

Environment Protection Licence

Licence - 6004

Licence Details	
Number:	6004
Anniversary Date:	24-September

Licensee
CITY OF LITHGOW COUNCIL
PO BOX 19
LITHGOW NSW 2790

Premises
LITHGOW SOLID WASTE FACILITY
GEORDIE STREET
LITHGOW NSW 2790

Scheduled Activity
Waste disposal (application to land)

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

Region
Central West
L102, 346 PANORAMA AVENUE
BATHURST NSW 2795
Phone: (02) 6333 3800
Fax: (02) 6333 3809
PO Box 1388
BATHURST NSW 2795



Environment Protection Licence

Licence - 6004

INFORMATION ABOUT THIS LICENCE	4
Dictionary	4
Responsibilities of licensee	4
Variation of licence conditions	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 Other activities	6
A4 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 Concentration limits	9
L3 Waste	10
L4 Noise limits	11
L5 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 Emergency response	12
O5 Processes and management	12
O6 Waste management	13
O7 Other operating conditions	15
5 MONITORING AND RECORDING CONDITIONS	16
M1 Monitoring records	16
M2 Requirement to monitor concentration of pollutants discharged	16
M3 Testing methods - concentration limits	19



Environment Protection Licence

Licence - 6004

M4	Recording of pollution complaints	19
M5	Telephone complaints line	20
M6	Other monitoring and recording conditions	20
6	REPORTING CONDITIONS	20
R1	Annual return documents	20
R2	Notification of environmental harm	21
R3	Written report	22
R4	Other reporting conditions	22
7	GENERAL CONDITIONS	23
G1	Copy of licence kept at the premises or plant	23
G2	Contact number for incidents and responsible employees	23
G3	Signage	23
8	SPECIAL CONDITIONS	23
E1	Filling Plan	23
E2	Alternate Covering of Asbestos Waste	24
DICTIONARY	25
	General Dictionary	25

Environment Protection Licence

Licence - 6004



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).

Environment Protection Licence



Licence - 6004

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:

CITY OF LITHGOW COUNCIL
PO BOX 19
LITHGOW NSW 2790

subject to the conditions which follow.

Environment Protection Licence

Licence - 6004

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 capacity

A2 Premises or plant to which this licence applies

A2.1 The licence applies to the following premises:

Premises Details
LITHGOW SOLID WASTE FACILITY
GEORDIE STREET
LITHGOW
NSW 2790
LOT 1 DP 190934, LOT 1 DP 630638, PART LOT 44 DP 751655, PART LOT 1 DP 947828

A3 Other activities

A3.1 This licence applies to all other activities carried on at the premises, including:

Ancillary Activity
Waste processing (non-thermal treatment)
Waste storage

A4 Information supplied to the EPA

A4.1 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

Environment Protection Licence

Licence - 6004



replaces under the Protection of the Environment Operations (Savings and Transitional) Regulation 1998; and

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

- A4.2 Any other document and/or management plan is not to be taken as part of the documentation in condition A4.1, other than those documents and/or management plans specifically referenced in this licence.

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
10	Landfill gas monitoring (accumulated)		Inside all buildings within 250 metres of waste filled areas (and where consent / permission is granted for buildings not owned by the licensee)

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

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

<i>Water and land</i>			
EPA Identification no.	Type of Monitoring Point	Type of Discharge Point	Location Description
1	Groundwater quality monitoring		Groundwater Monitoring Bore "MB1" as identified on drawing 07A_EV03 contained within the Lithgow Solid Waste Facility Pollution Incident Response Management Plan dated 11/2014

Environment Protection Licence

Licence - 6004



2	Groundwater quality monitoring		Groundwater Monitoring Bore "MB5" as identified on drawing 07A_EV03 contained within the Lithgow Solid Waste Facility Pollution Incident Response Management Plan dated 11/2014
3	Groundwater quality monitoring		Groundwater Monitoring Bore "MB6-B" as identified on drawing 07A_EV03 contained within the Lithgow Solid Waste Facility Pollution Incident Response Management Plan dated 11/2014
4	Groundwater quality monitoring		Groundwater Monitoring Bore "MB9" as identified on drawing 07A_EV03 contained within the Lithgow Solid Waste Facility Pollution Incident Response Management Plan dated 11/2014
5	Groundwater quality monitoring		Groundwater Monitoring Bore "MB10" as identified on drawing 07A_EV03 contained within the Lithgow Solid Waste Facility Pollution Incident Response Management Plan dated 11/2014
6	Discharge to waters Discharge quality monitoring	Discharge to waters Discharge quality monitoring	Surface Water Discharge and Monitoring Point "SW1" as identified on drawing 07A_EV03 contained within the Lithgow Solid Waste Facility Pollution Incident Response Management Plan dated 11/2014
7	Groundwater quality monitoring		Groundwater Monitoring Bore "MB12" as identified on drawing 07A_EV03 contained within the Lithgow Solid Waste Facility Pollution Incident Response Management Plan dated 11/2014
8	Groundwater quality monitoring		Groundwater Monitoring Bore "MB14" as identified on drawing 07A_EV03 contained within the Lithgow Solid Waste Facility Pollution Incident Response Management Plan dated 11/2014
9	Leachate quality monitoring		Leachate Monitoring Point "LW1" as identified on drawing 07A_EV03 contained within the Lithgow Solid Waste Facility Pollution Incident Response Management Plan dated 11/2014

Environment Protection Licence

Licence - 6004

3 Limit Conditions

L1 Pollution of waters

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

L2 Concentration limits

L2.1 For each monitoring/discharge point or utilisation area specified in the table below (by a point number), the concentration of a pollutant discharged at that point, or applied to that area, must not exceed the concentration limits specified for that pollutant in the table.

L2.2 Where a pH quality limit is specified in the table, the specified percentage of samples must be within the specified ranges.

L2.3 To avoid any doubt, this condition does not authorise the pollution of waters by any pollutant other than those specified in the table.

L2.4 Water and/or Land Concentration Limits

POINT 6

Pollutant	Units of Measure	50 Percentile concentration limit	90 Percentile concentration limit	3DGM concentration limit	100 percentile concentration limit
pH	pH				6.5-8.5
Total suspended solids	milligrams per litre				30

L2.5 The concentration limits stipulated by condition L2.1/L2.4 for EPA Identification Point 6 is deemed not to apply when the discharge from the stormwater control structures (sediment basin) occurs solely as a result of rainfall measured at the premises which exceeds:
a) a total of 56.4 millimetres of rainfall over any consecutive 5 day period.

Note: A 56.4mm rainfall event is defined by the EPA endorsed publication "Managing urban stormwater: soils and construction" (Landcom, 2004) as the rainfall depth in millimetres for a 95th percentile, 5 day rainfall event for Lithgow which is also consistent with the storage capacity (recommended minimum design criteria) for Type D sediment basins for main road construction (see "Managing urban stormwater: soils and construction, Volume 2D, main road construction" (DECC, 2008)).

L2.6 The concentration limit for Total Suspended Solids stipulated by condition L2.1/L2.4 for EPA Identification Point 6 is deemed not to have been breached where:

Environment Protection Licence

Licence - 6004

- a) the water discharged meets the criteria specified by condition L2.5; and
- b) the water discharged complies with a Total Suspended Solids limit of 30 mg/L or a Turbidity limit of 25 nephelometric turbidity units at the time of the discharge (in-situ measurement); and
- c) the EPA is advised within 3 working days of the completion of the sample testing and analysis as required by condition M2.1/M2.3 of any results above the concentration limit.

Note: The purpose of this condition is to expedite the assessment and subsequent discharge of any clarified water from the stormwater control structures (sediment basins).

L3 Waste

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

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

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

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

Code	Waste	Description	Activity	Other Limits
K130	Sewage products	Biosolids generated from the treatment of sewage at City of Lithgow Council's sewage treatment plants that have been dewatered but not classified	Waste disposal (application to land)	See Note following table
T140	Tyres	As defined in Schedule 1 of the POEO Act, as in force from time to time	Waste disposal (application to land)	See Note following table
N220	Asbestos	As defined in Schedule 1 of the POEO Act, as in force from time to time	Waste disposal (application to land)	See Note following table
R100	Clinical and related wastes	As defined in Schedule 1 of the POEO Act, as in force from time to time	Waste disposal (application to land)	See Note following table
NA	General solid waste (non-putrescible)	As defined in Schedule 1 of the POEO Act, as in force from time to time	Waste disposal (application to land)	See Note following table
NA	General solid waste (putrescible)	As defined in Schedule 1 of the POEO Act, as	Waste disposal (application to land)	See Note following table

Environment Protection Licence

Licence - 6004



in force from time to
time

Note: The total amount of all wastes listed under the 'Waste' heading of this table and disposed of at the premises must not exceed 50,000 tonnes per annum, including no more than 5 tonnes per annum of clinical and related waste.

L4 Noise limits

Operating hours

L4.1 Operational activities at the premises must only be conducted during the following operating hours:
a) 7.00am to 7.00pm, Monday to Sunday including Public Holidays.

Operating limits

L4.2 Noise from the premises must not exceed:

a) an $L_{Aeq(15\text{ minute})}$ noise emission criteria of 45 dB(A) during the operating hours stipulated by condition L4.1 at any noise sensitive receiver (land use) as defined by the NSW Industrial Noise Policy (EPA, 2000/2001).

L4.3 To determine compliance with condition L4.2, noise from the premises is to be measured at the most affected point within the sensitive receiver boundary, or at the most affected point within 30 metres of the sensitive receiver boundary where the residence/building is more than 30 metres from the sensitive receiver boundary.

L4.4 To determine compliance with condition L4.2, the modification factors in Section 4 of the NSW Industrial Noise Policy (EPA, 2000/2001) must be applied, as appropriate, to the noise levels measured by any noise monitoring equipment.

L4.5 The noise limits stipulated by condition L4.2 apply under all meteorological conditions except for the following:

- a) wind speeds greater than 3 metres per second at ground level; and
- b) temperature inversions as outlined in Section 5 of the NSW Industrial Noise Policy (EPA, 2000/2001).

L5 Potentially offensive odour

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

4 Operating Conditions

O1 Activities must be carried out in a competent manner

Environment Protection Licence



Licence - 6004

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

This includes:

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

O2 Maintenance of plant and equipment

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

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

Note: Plant is defined in the Dictionary. The type of plant and equipment that should be considered includes, but is not limited to, drainage systems; infrastructure and pollution control equipment such as (but not limited to) spill containment and clean-up equipment; dust screens and collectors; sediment collection systems, traps and sumps; waste collection, storage and disposal equipment.

O3 Dust

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

O3.2 The premises must be maintained in a condition which minimises or prevents the emission of dust from the premises.

O4 Emergency response

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

O4.2 The licensee must have adequate fire prevention measures in place, and ensure that facility personnel are able to access fire-fighting equipment and manage fire outbreaks at any part of the premises.

O4.3 The licensee must extinguish fires at the premises as soon as possible.

O5 Processes and management

Staff/personnel training

O5.1 The licensee must ensure that adequately trained staff/personnel are available at the premises in order to administer the requirements of this licence.

Unauthorised entry

Environment Protection Licence

Licence - 6004



- O5.2 The licensee must take all practicable steps to control entry to the premises.
- O5.3 The licensee must install and maintain a stockproof perimeter fence around the premises.
- O5.4 The licensee must install and maintain lockable security gates at all access and departure locations.
- O5.5 The licensee must ensure that all lockable security gates are locked whenever the premises is unattended.

Control of pests, vermin and weeds

- O5.6 The licensee must control pests, vermin and weeds at the premises.

Tracking of mud and other materials

- O5.7 The licensee must take all practicable measures to minimise the tracking of mud and waste by vehicles leaving the premises.

Surface water management

- O5.8 Surface water must be diverted away from any area where waste is being or has been landfilled and/or any leachate disposal and/or utilisation area if there is surface water run off potential of any kind.
- O5.9 The licensee must minimise, including through the use of rehabilitation/revegetation techniques, the area of the premises that is able to generate suspended material when water runs over it.
- O5.10 The licensee must maximise the diversion of rain/storm water containing suspended material (not including leachate) to the sediment basin installed at the premises.

O6 Waste management

Leachate management

- O6.1 The licensee is prohibited from discharging from the premises any waters or residue liquids that have come in contact with waste contained in the defined waste disposal areas.
- O6.2 The licensee must install an EPA endorsed leachate barrier and collection system in accordance with the in-force Landfill Environmental Management Plan
- O6.3 The licensee must install an EPA endorsed leachate barrier on any surface to be used for the storage/impoundment of leachate.
- O6.4 Leachate collected at EPA Identification Point 9 (interception point) may be irrigated on the following utilisation area(s):

Environment Protection Licence

Licence - 6004



a) any surface on the premises that has received waste, excluding any road surfaces.

O6.5 Leachate applied to the utilisation area must not generate any surface runoff.

O6.6 Leachate applied to the utilisation area must not cause any spray drift.

Screening of waste

O6.7 The licensee must have in place and implement procedures to identify and prevent the disposal of any waste not permitted by this licence to be disposed of at the premises.

Filling of waste

O6.8 The licensee must manage the disposal of waste at the premises in accordance with the progressive filling plan within the in-force Landfill Environmental Management Plan (LEMP). A LEMP update is not required when only the order of filling is varied.

Asbestos waste

Note: The *Protection of the Environment Operations (Waste) Regulation*, as in force from time to time, stipulates the disposal requirements for asbestos waste and as approved by special condition E2.

Clinical waste

O6.9 The licensee must ensure that any clinical waste received/disposed of at the premises is packaged in accordance with the requirements set out in the document called "Waste Management Guidelines for Health Care Facilities - August 1998" as published by the NSW Ministry of Health and as in force from time to time.

O6.10 The licensee must ensure that any clinical waste received at the premises must be:

- a) immediately buried, or
- b) immediately contained prior to later disposal in a manner that prevents the waste coming into contact with any persons or animals.

Tyre waste

O6.11 The licensee must not receive tyres at the premises which are delivered in a load containing more than five (5) whole tyres.

O6.12 The licensee must ensure that tyres stockpiled on the premises:

- a) do not exceed fifty (50) tonnes at any one time; and
- b) are located in a clearly defined area away from the waste disposal areas; and
- c) are managed to control vermin; and
- d) are managed to prevent any tyres from catching on fire.

O6.13 The licensee must not dispose of any tyres at the premises unless:

Environment Protection Licence

Licence - 6004



- a) the tyre/s have a diameter of less than 1.2 metres; or
- b) the tyre/s have been shredded so that the pieces measure no more than 250 millimetres in any direction; or
- c) the tyre/s have had their walls removed.

Litter

O6.14 The licensee must ensure that the local amenity is not degraded by litter from the premises.

Compaction

O6.15 An average compaction rate of not less than 650 kg per cubic metre must be achieved for all waste disposed of at the premises.

Capping and covering

- O6.16 Cover material must be virgin excavated natural material either won on premises or imported to the premises and be applied as follows:
- a) 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: at least two weeks cover material must be available at the premises under all weather conditions. This material may be won on site, or alternatively, a cover stockpile must be maintained adjacent to the tip face.
- O6.17 The licensee must ensure that the landfill cells are capped progressively and in accordance with the conditions of this licence and the in-force Landfill Environmental Management Plan.
- O6.18 Final capping must comprise two layers in the order of installation as follows:
- a) a seal bearing surface (600mm thick); and
 - b) a revegetation layer (150mm thick).

O7 Other operating conditions

- O7.1 The stormwater control structure (sediment basin) identified as licence discharge point 6 must be drained or pumped out as necessary to maintain the basins design storage capacity within 5 days following rainfall.
- O7.2 Water discharged to comply with condition O7.1 may only be discharged to waters from the stormwater control structure (sediment basin) identified as licence discharge point 6, where the discharged water complies with the discharge limits stipulated at condition L2.1/L2.4 (and taking into consideration condition L2.6).
- O7.3 The licensee must undertake maintenance as necessary to desilt any stormwater control structures

Environment Protection Licence

Licence - 6004



(sediment basins) identified as licence discharge point 6 in order to retain the basins design storage capacity.

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:

- in a legible form, or in a form that can readily be reduced to a legible form;
- kept for at least 4 years after the monitoring or event to which they relate took place; and
- 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:

- the date(s) on which the sample was taken;
- the time(s) at which the sample was collected;
- the point at which the sample was taken; and
- 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 10

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

M2.3 Water and/ or Land Monitoring Requirements

POINT 1,2,3,4,5,7,8

Environment Protection Licence

Licence - 6004



Pollutant	Units of measure	Frequency	Sampling Method
Alkalinity (as calcium carbonate)	milligrams per litre	Special Frequency 1	Grab sample
Aluminium	milligrams per litre	Special Frequency 1	Grab sample
Ammonia	milligrams per litre	Special Frequency 1	Grab sample
Calcium	milligrams per litre	Special Frequency 1	Grab sample
Chemical oxygen demand	milligrams per litre	Special Frequency 1	Grab sample
Chloride	milligrams per litre	Special Frequency 1	Grab sample
Chromium (hexavalent)	milligrams per litre	Special Frequency 1	Grab sample
Chromium (total)	milligrams per litre	Special Frequency 1	Grab sample
Conductivity	microsiemens per centimetre	Special Frequency 1	Grab sample
Fluoride	milligrams per litre	Special Frequency 1	Grab sample
Iron	milligrams per litre	Special Frequency 1	Grab sample
Magnesium	milligrams per litre	Special Frequency 1	Grab sample
Manganese	milligrams per litre	Special Frequency 1	Grab sample
Nitrate	milligrams per litre	Special Frequency 1	Grab sample
Pesticides	milligrams per litre	Special Frequency 1	Grab sample
pH	pH	Special Frequency 1	Grab sample
Phosphorus	milligrams per litre	Special Frequency 1	Grab sample
Potassium	milligrams per litre	Special Frequency 1	Grab sample
Sodium	milligrams per litre	Special Frequency 1	Grab sample
Standing Water Level	As approp.	Special Frequency 1	Grab sample
Sulfate	milligrams per litre	Special Frequency 1	Grab sample
Total dissolved solids	milligrams per litre	Special Frequency 1	Grab sample
Total organic carbon	milligrams per litre	Special Frequency 1	Grab sample
Total petroleum hydrocarbons	milligrams per litre	Special Frequency 1	Grab sample
Total Phenolics	milligrams per litre	Special Frequency 1	Grab sample

POINT 6

Pollutant	Units of measure	Frequency	Sampling Method
Alkalinity (as calcium carbonate)	milligrams per litre	Monthly during discharge	Grab sample
Aluminium	milligrams per litre	Monthly during discharge	Grab sample
Ammonia	milligrams per litre	Monthly during discharge	Grab sample
Calcium	milligrams per litre	Monthly during discharge	Grab sample
Chemical oxygen demand	milligrams per litre	Monthly during discharge	Grab sample

Environment Protection Licence

Licence - 6004

Chloride	milligrams per litre	Monthly during discharge	Grab sample
Chromium (hexavalent)	milligrams per litre	Monthly during discharge	Grab sample
Chromium (total)	milligrams per litre	Monthly during discharge	Grab sample
Conductivity	microsiemens per centimetre	Monthly during discharge	Grab sample
Fluoride	milligrams per litre	Monthly during discharge	Grab sample
Iron	milligrams per litre	Monthly during discharge	Grab sample
Magnesium	milligrams per litre	Monthly during discharge	Grab sample
Manganese	milligrams per litre	Monthly during discharge	Grab sample
Nitrate	milligrams per litre	Monthly during discharge	Grab sample
Pesticides	milligrams per litre	Monthly during discharge	Grab sample
pH	pH	Monthly during discharge	Grab sample
Phosphorus	milligrams per litre	Monthly during discharge	Grab sample
Potassium	milligrams per litre	Monthly during discharge	Grab sample
Sodium	milligrams per litre	Monthly during discharge	Grab sample
Sulfate	milligrams per litre	Monthly during discharge	Grab sample
Total organic carbon	milligrams per litre	Monthly during discharge	Grab sample
Total petroleum hydrocarbons	milligrams per litre	Monthly during discharge	Grab sample
Total Phenolics	milligrams per litre	Monthly during discharge	Grab sample
Total suspended solids	milligrams per litre	Monthly during discharge	Grab sample

POINT 9

Pollutant	Units of measure	Frequency	Sampling Method
Alkalinity (as calcium carbonate)	milligrams per litre	Special Frequency 1	Grab sample
Ammonia	milligrams per litre	Special Frequency 1	Grab sample
Calcium	milligrams per litre	Special Frequency 1	Grab sample
Chloride	milligrams per litre	Special Frequency 1	Grab sample
Fluoride	milligrams per litre	Special Frequency 1	Grab sample
Iron	milligrams per litre	Special Frequency 1	Grab sample
Magnesium	milligrams per litre	Special Frequency 1	Grab sample
Manganese	milligrams per litre	Special Frequency 1	Grab sample

Environment Protection Licence



Licence - 6004

Nitrate	milligrams per litre	Special Frequency 1	Grab sample
pH	pH	Special Frequency 1	Grab sample
Potassium	milligrams per litre	Special Frequency 1	Grab sample
Sodium	milligrams per litre	Special Frequency 1	Grab sample
Sulfate	milligrams per litre	Special Frequency 1	Grab sample
Total organic carbon	milligrams per litre	Special Frequency 1	Grab sample
Total Phenolics	milligrams per litre	Special Frequency 1	Grab sample

Note: For the purpose of condition M2.3:

a) Special Frequency 1 means: inspect every 6 months and sample for analysis where liquid is present.

M3 Testing methods - concentration limits

M3.1 Monitoring for the concentration of a pollutant emitted to the air required to be conducted by this licence must be done in accordance with:

- a) any methodology which is required by or under the Act to be used for the testing of the concentration of the pollutant; or
- b) if no such requirement is imposed by or under the Act, any methodology which a condition of this licence requires to be used for that testing; or
- c) if no such requirement is imposed by or under the Act or by a condition of this licence, any methodology approved in writing by the EPA for the purposes of that testing prior to the testing taking place.

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".

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.

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

Environment Protection Licence

Licence - 6004



complainant; and

f) if no action was taken by the licensee, the reasons why no action was taken.

M4.3 The record of a complaint must be kept for at least 4 years after the complaint was made.

M4.4 The record must be produced to any authorised officer of the EPA who asks to see them.

M5 Telephone complaints line

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

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 remaining disposal capacity (in cubic metres) of the landfill.

6 Reporting Conditions

R1 Annual return documents

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

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

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

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

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.

Environment Protection Licence



Licence - 6004

- 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.

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

- R1.4 Where this licence is surrendered by the licensee or revoked by the EPA or Minister, the licensee must prepare an Annual Return in respect of the period commencing on the first day of the reporting period and ending on:
- a) in relation to the surrender of a licence - the date when notice in writing of approval of the surrender is given; or
 - b) in relation to the revocation of the licence - the date from which notice revoking the licence operates.

- R1.5 The Annual Return for the reporting period must be supplied to the EPA via eConnect *EPA* or by registered post not later than 60 days after the end of each reporting period or in the case of a transferring licence not later than 60 days after the date the transfer was granted (the 'due date').

- R1.6 The licensee must retain a copy of the Annual Return supplied to the EPA for a period of at least 4 years after the Annual Return was due to be supplied to the EPA.

- R1.7 Within the Annual Return, the Statements of Compliance must be certified and the Monitoring and Complaints Summary must be signed by:
- a) the licence holder; or
 - b) by a person approved in writing by the EPA to sign on behalf of the licence holder.

- R1.8 Monitoring Report.
- The licensee must supply with the Annual Return a Monitoring Report which provides:
- a) an analysis and interpretation of monitoring results;
 - b) actions proposed/taken to correct identified adverse trends;
 - c) The achieved compaction rate (excluding cover material) for the premises and the remaining disposal capacity for the premises.

R2 Notification of environmental harm

- R2.1 Notifications must be made by telephoning the Environment Line service on 131 555.

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.

- 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.

Environment Protection Licence

Licence - 6004



R3 Written report

- R3.1 Where an authorised officer of the EPA suspects on reasonable grounds that:
- where this licence applies to premises, an event has occurred at the premises; or
 - 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:
- the cause, time and duration of the event;
 - the type, volume and concentration of every pollutant discharged as a result of the event;
 - 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;
 - 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;
 - action taken by the licensee in relation to the event, including any follow-up contact with any complainants;
 - details of any measure taken or proposed to be taken to prevent or mitigate against a recurrence of such an event; and
 - 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 The licensee must record the following data in relation to fires occurring at the premises:
- Time and date when the fire started.
 - Whether the fire was authorised by the licensee, and, if not, the circumstances which ignited the fire.
 - The time and date that the fire burnt out or was extinguished.
 - The location of fire (eg. clean timber stockpile, putrescible garbage cell, etc).
 - Prevailing weather conditions at the time of the fire.
 - Observations made in regard to smoke direction and dispersion.
 - The amount of waste that was combusted by the fire.
 - Action taken to extinguish the fire;
 - Action taken to prevent a reoccurrence.

The data must be recorded on each day that the fire is burning.

- R4.2 The licensee or its employees or agents must notify the occurrence of all fires on the premises in accordance with conditions R2.1 and R2.2 as soon as practical after becoming aware of the fire.

Environment Protection Licence



Licence - 6004

- R4.3 The licensee must notify the EPA within 24 hours by telephoning the Environment Line service on 131 555 if any landfill gas monitoring required by this licence detects methane above 1.25%(v/v), and increase the frequency of monitoring to daily, until the EPA determines otherwise.

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.

G2 Contact number for incidents and responsible employees

- G2.1 The licensee must operate 24-hour telephone contact lines for the purpose of enabling the EPA to directly contact one or more representatives of the licensee who can:
- a) respond at all times to incidents relating to the premises; and
 - b) contact the licensee's senior employees or agents authorised at all times to:
 - i) speak on behalf of the licensee; and
 - ii) provide any information or document required under this licence.
- G2.2 The licensee is to inform the EPA in writing of the appointment of any subsequent contact persons, or changes to the person's contact details as soon as practicable and in any event within fourteen days of the appointment or change.

G3 Signage

- G3.1 The location of EPA point identification numbers 1 to 9 must be clearly marked by a sign that indicates the point identification numbers used in this licence and located as close as practical to each point.

8 Special Conditions

E1 Filling Plan

Note: The licensee must incorporate the revised Final Landform and Filing Plan (Amaral 2016) into the Landfill Environmental Management Plan (LEMP) for the premises and operate the facility in accordance with the revised LEMP 2016.

Environment Protection Licence

Licence - 6004



E2 Alternate Covering of Asbestos Waste

E2.1 The licensee is permitted to cover asbestos waste received at the premises with general solid waste, subject to the conditions below.

Note: Clause 80(4) of the *Protection of the Environment Operations (Waste) Regulation 2014* allows for the environment protection licence for the premises to approve materials other than virgin excavated natural material for covering asbestos waste. Any approval to use alternate materials to cover asbestos waste does not remove any of the requirements relating to asbestos waste as detailed in Clause 80 of the *Protection of the Environment Operations (Waste) Regulation 2014*.

E2.2 Only non-friable asbestos waste can be covered with general solid waste.

E2.3 Asbestos waste being covered with general solid waste must be covered to a minimum depth of 0.5m at the time of disposal.

E2.4 Compaction equipment must not be used on general solid wastes used to cover asbestos waste where the depth of the general solid waste covering the asbestos waste is less than 0.5m.

E2.5 The covering of asbestos waste with general solid waste must not generate dust.

Environment Protection Licence

Licence - 6004

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 - 6004

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 - 6004



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

Mr Terry Knowles

Environment Protection Authority

(By Delegation)

Date of this edition: 10-November-2000

Environment Protection Licence

Licence - 6004



End Notes

- 1 Licence varied by notice 1009282, issued on 11-Sep-2001, which came into effect on 06-Oct-2001.
- 2 Licence varied by notice 1022777, issued on 10-Feb-2003, which came into effect on 07-Mar-2003.
- 3 Licence varied by notice 1026055, issued on 15-Sep-2003, which came into effect on 10-Oct-2003.
- 4 Licence varied by notice 1075622, issued on 05-Jul-2007, which came into effect on 05-Jul-2007.
- 5 Licence varied by repair to Annual Return Archive, issued on 18-Jul-2007, which came into effect on 18-Jul-2007.
- 6 Licence varied by notice 1081121, issued on 15-Jan-2008, which came into effect on 15-Jan-2008.
- 7 Condition A1.3 Not applicable varied by notice issued on <issue date> which came into effect on <effective date>
- 8 Licence varied by notice 1092351, issued on 18-Dec-2008, which came into effect on 18-Dec-2008.
- 9 Licence varied by notice 1109393, issued on 03-Feb-2010, which came into effect on 03-Feb-2010.
- 10 Licence varied by notice 1501044 issued on 04-Oct-2011
- 11 Licence varied by notice 1509831 issued on 01-Nov-2012
- 12 Licence varied by notice 1515576 issued on 04-Sep-2013
- 13 Licence varied by notice 1529476 issued on 17-Apr-2015
- 14 Licence varied by notice 1540528 issued on 12-May-2016
- 15 Licence varied by notice 1541781 issued on 22-Aug-2016
- 16 Licence varied by notice 1548885 issued on 16-Feb-2017
- 17 Licence varied by notice 1559015 issued on 17-Jan-2018
- 18 Licence varied by notice 1562271 issued on 21-Jun-2018
- 19 Licence format updated on 14-Feb-2019