



Licence

Environmental Protection Act 1986, Part V

Licensee: Shire of Northampton

Licence: L6877/1997/12

Registered office: 199 Hampton Road
NORTHAMPTON WA 6535

ABN: 13 596 797 267

Premises address: Kalbarri Waste Management Facility
Crown Reserve 48527
KALBARRI WA 6535
Being Lot 12927 on Plan 41490 as depicted in Schedule 1.

Issue date: Thursday, 06 June 2013

Commencement date: Thursday, 20 June 2013

Expiry date: Tuesday, 19 June 2018

Prescribed premises category
Schedule 1 of the Environmental Protection Regulations 1987

Category number	Category description	Category production or design capacity	Approved Premises production or design capacity
64	Class II putrescible landfill site: premises on which waste (as determined by reference to the waste type set out in the document entitled "Landfill Waste Classification and Waste Definitions 1996" published by the Chief Executive Officer and as amended from time to time) is accepted for burial.	20 tonnes or more per year	250 tonnes per annual period

Conditions

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

Date signed: 22 May 2014

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



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Introduction

This Introduction is not part of the Licence conditions.

DER's industry licensing role

The Department of Environment Regulation (DER) is a government department for the state of Western Australia in the portfolio of the Minister for Environment. DER's purpose is to protect and conserve the state's environment on behalf of the people of Western Australia.

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

Licence requirements

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

Where other statutory instruments impose obligations on the Premises/Licensee the intention is not to replicate them in the licence conditions. You should therefore ensure that you are aware of all your statutory obligations under the Act and any other statutory instrument. Legislation can be accessed through the State Law Publisher website using the following link:
<http://www.slp.wa.gov.au/legislation/statutes.nsf/default.html>

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

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



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

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

Licence fees

If you have a licence that is issued for more than one year, you are required to pay an annual licence fee prior to the anniversary date of issue of your licence. Non payment of annual licence fees will result in your licence ceasing to have effect meaning that it will no longer be valid and you will need to apply for a new licence for your Premises. Operating without a licence is an offence under the Act.

Ministerial conditions

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

Premises description and Licence summary

The Shire of Northampton (the Shire) encompasses the towns of Horrocks, Port Gregory, Kalbarri and Northampton. The Shire owns and manages the Kalbarri Waste Management Facility which has been assessed as a Class II putrescible landfill site.

The premises size is approximately 93.56 hectares with a portion of this being used as a landfill and transfer station. The nearest sensitive human health receptor is Kalbarri Industrial Area and is located 2.5 kilometres (km) in a westerly direction. The closest sensitive environmental receptor is the Murchison River which approximately 5 km in a north westerly direction and the ocean in a westerly direction.

The premises is a policy use – P3 site within a Public Drinking Water Reserve policy use – P1. The depth to groundwater for the premises is approximately 24.9 meters (m).

The Shire transfers approximately 102 tonnes per annum of waste from this facility which does not trigger threshold for Category 62 Solid waste depot in accordance with the Environmental Protection Regulations 1987 schedule 1, part 1.

Currently the Shire is only accepting inert waste type 1 for landfilling on the premises. Putrescible waste (including green waste), inert waste type 2 (tyres) and scrap metals is currently accepted onto the premises for waste storage and transfer only.

All putrescible waste (non green waste) is being transferred off-site for disposal to the Meru Waste Disposal facility (L6462/1992/12). Green waste accepted at the premises is being burned biannually by Shire staff, Department of Fire and Emergency Services and Volunteer Fire brigade personnel. Scrap metals are collected biannually by 'Sims Metals' for recycling off-site. Inert waste type 2 (tyres) are collected by an off road facility out on Coolcalaya Station and used to define tracks and form barriers and bunding. The inert waste type 1 stream is being monitored and managed on a daily basis, and backfilled and covered fortnightly.

Although the Shire is only landfilling inert waste type 1 on the premises they wish to retain the flexibility to dispose other wastes in accordance with original approvals and existing licence conditions.

The main potential emissions from the site is dust as the premises is subject to strong winds. Hard surfaces (gravel) and clay surface capping is used on the roads to prevent dust emissions.

The septage ponds are used for disposal of septic tank waste however, in recent years, the majority of the town has converted to sewer inflow lines and the septage ponds have not been used over the last five years. The ponds have not been desluded in the last five years.



This Licence is the result of an amendment sought by DER to upgrade the conditions and definitions held within licence L6877/1997/12 and to convert the existing licence to a new REFIRE format.

The licences and works approvals issued for the Premises since 10/04/2008 are:

Instrument log		
Instrument	Issued	Description
L6877/1997/10	27/03/2006	Licence
L6877/1997/11	19/06/2008	Licence reissue
L6877/1997/12	06/06/2013	Licence amendment
L6877/1997/12	27/02/2014	Licence amendment and conversion to REFIRE format
L6877/1997/12	22/05/2014	Licence amendment to reporting timeframe

Severance

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

END OF INTRODUCTION



Licence conditions

1 General

1.1 Interpretation

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

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

'ACM' means asbestos containing material and has the meaning defined in the *Guidelines for Assessment, Remediation and Management of Asbestos Contaminated Sites, Western Australia*, (DOH, 2009);

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

'annual period' means the inclusive period from 1 May until 30 April in the following year;

'asbestos' means the asbestiform variety of mineral silicates belonging to the serpentine or amphibole groups of rock-forming minerals and includes actinolite, amosite, anthophyllite, chrysolite, crocidolite, tremolite and any mixture containing 2 or more of those;

'AS/NZS 3816' means the Australia Standard AS/NZS 3816 *Management of clinical and related wastes*;

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

'AS/NZS 5667.10' means the Australian Standard AS/NZS 5667.10 *Water Quality – Sampling – Guidance on sampling of waste waters*;

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

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

'capping material' means capping as outlined in the Victoria Environmental Protection Act, *Best Practice Environmental Management guideline for Siting, Design, Operation and Rehabilitation of Landfills, September 2010* (as amended) or other approved guideline or standard;

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

'CEO' for the purpose of correspondence means;

Manager Licensing (Midwest)
Department of Environment Regulation
PO Box 72
GERALDTON WA 6531
Telephone: (08) 9964 0901
Facsimile: (08) 9921 5713
Email: GeraldtonIR@der.wa.gov.au;

'clean fill' has the meaning defined in the *'Landfill Waste Classification and Waste Definitions 1996* (as amended)' published by the Chief Executive Officer and as amended from time to time;



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

'Contaminated Solid Waste' has the meaning defined in Landfill Waste Classification and Waste Definitions 1996 (As amended December 2009), published by the CEO and as amended from time to time;

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

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

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

'Fire Control Officer' in relation to the Premises means a person who has such qualifications in fire fighting or fire control and is approved or appointed to that position by the Licensee;

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

'fugitive emissions' means all emissions not arising from point sources identified in sections 2.2, 2.3, 2.4 and 2.5;

'green waste' means waste that originates from flora and which does not contain or has not been treated or coated with, preserving agents, biocides, fire retardants, paint, adhesives or binders;

'hardstand' means a surface with a permeability of 10^{-9} metres/second or less;

'Inert Waste Type 1' has the meaning defined in Landfill Waste Classification and Waste Definitions 1996 (As amended December 2009), published by the Chief Executive Officer and as amended from time to time;

'Inert Waste Type 2' has the meaning defined in Landfill Waste Classification and Waste Definitions 1996 (As amended December 2009), published by the Chief Executive Officer and as amended from time to time;

'Landfill Waste Classification and Waste Definitions 1996 (As amended December 2009)' means the document entitled *'Landfill Waste Classification and Waste Definitions 1996 (as amended December 2009)'* published by the Chief Executive Officer, and as amended from time to time;

'leachate' means liquid released by or water that has percolated through waste and which contains some of its constituents;

'Licence' means this Licence numbered L6877/1997/12 and issued under the Act;

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

'Licenced carrier' means a person licensed as a carrier under the Environmental Protection (Controlled Waste) Regulations 2004;



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

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

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

'Putrescible' has the meaning defined in Landfill Waste Classification and Waste Definitions 1996 (As amended December 2009), published by the CEO and as amended from time to time;

'rehabilitation' means the completion of the engineering of a landfill cell and includes capping and/or final cover;

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

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

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

'Special Waste Type 1' has the meaning defined in Landfill Waste Classification and Waste Definitions 1996 (As amended December 2009), published by the CEO and as amended from time to time;

'Special Waste Type 2' has the meaning defined in Landfill Waste Classification and Waste Definitions 1996 (As amended December 2009), published by the CEO and as amended from time to time;

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

'tipping area' means the area of a landfill site where waste currently being brought to the site is being deposited;

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

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

1.2 General conditions

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

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

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



- 1.2.3 The Licensee, except where storage is prescribed in section 1.3, shall ensure that environmentally hazardous materials are stored in accordance with the code of practice for the storage and handling of dangerous goods.
- 1.2.4 The Licensee shall immediately recover, or remove and dispose of spills of environmentally hazardous materials outside an engineered containment system.
- 1.2.5 The Licensee shall:
 - (a) implement all practical measures to prevent stormwater run-off becoming contaminated by the activities on the Premises; and
 - (b) treat contaminated or potentially contaminated stormwater as necessary prior to being discharged from the Premises.¹

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

1.3 Premises operation

- 1.3.1 The Licensee shall only allow waste to be accepted onto the Premises if:
 - (a) it is of a type listed in Table 1.3.1;
 - (b) the quantity accepted is below any limit listed in Table 1.3.1;
 - (c) it meets any specification listed in Table 1.3.1.; and
 - (d) in the case of contaminated solid waste is supported by documentation that demonstrates compliance with the acceptance criteria for Class II landfills

Table 1.3.1: Waste acceptance		
Waste	Quantity Limit	Specification¹
Clean fill	Combined total of less than 5 000 tonnes per year	None specified
Inert Waste Type 1		None specified
Inert Waste Type 2		Tyres and plastic only
Putrescible Waste		None specified
Special Waste Type 1		Cement bonded asbestos (ACM). No fibrous asbestos shall be accepted. Sealed and labelled in double lined or double bagged heavy duty plastic sheeting, of at least 0.2mm thickness.
Special Waste Type 2		Biomedical/ clinical waste <ul style="list-style-type: none"> • Accept only Special Waste Type 2 which is bagged, packaged or containerised in the appropriate colour coded container in accordance with AS/NZS 3816 as appropriate.
Contaminated solid waste		Must meet the acceptance criteria for Class II landfill

Note 1: Additional requirements for the acceptance of controlled waste (including asbestos and tyres) are set out in the Environmental Protection (Controlled Waste) Regulations 2004.

- 1.3.2 The Licensee shall ensure that where waste does not meet the waste acceptance criteria set out in condition 1.3.1 of this Licence it is removed from the Premises by the delivery vehicle or, where that is not possible, the Licensee shall contact the CEO to agree a course of action in relation to the waste.
- 1.3.3 The Licensee shall ensure that wastes accepted onto the Premises are only subjected to the process(es) set out in Table 1.3.2 and in accordance with any process limits described in that Table.



Table 1.3.2: Waste processing		
Waste type(s)	Process	Process limits ^{1,2}
All	Disposal of waste by landfilling	<ul style="list-style-type: none"> no waste shall be temporarily stored or landfilled within 35 metres from the boundary of the premises. the separation distance between the base of the landfill and the highest groundwater level shall not be less than 3m. the waste is placed in a defined trench or within an area enclosed by earthen bunds; the tipping area is restricted to a maximum linear length of 30 metres; the tipping area is no greater than two metres in height.
Clean Fill	Receipt, handling and disposal by landfilling	None specified
Contaminated Solid Waste		None specified
Inert Waste Type1		None specified
Inert Waste Type 2 - Tyres	Receipt, handling, storage prior to disposal by landfilling	<p>To be stored in piles of up to 100 units with a 6m separation distance between piles</p> <p>Tyres shall only be landfilled:</p> <ul style="list-style-type: none"> in batches separated from each other by at least 300mm of soil and each consisting of not more than 40 cubic metres of tyres reduced to pieces; or in batches separated from each other by at least 300mm of soil and each consisting of not more than 1000 whole tyres.
Putrescible Waste	Receipt, handling, storage prior to disposal by landfilling	None specified
	Disposal by Burning	<p>Burning of Green Waste Only</p> <ul style="list-style-type: none"> to be dried and seasoned for at least 2 months before burning; to take place in a designated burning area at least 25m from the boundary of any active disposal areas; to take place in trenches or windrows; and to take place only when an adequate supply of water is available to effectively manage the burning process. ensure burning does not commence before 8 am and the Fire Control Officer for the landfill site declares the area safe by 12 noon on the same day; ensure that, from the time burning commences until the Fire Control Officer for the Premises declares the area safe, that; <ol style="list-style-type: none"> a fire fighting vehicle is present carrying at least 500 litres of water, fitted with at least 30 metres of 19 millimetres diameter rubber hose and with a pump capacity capable of delivering a minimum of 250 litres of water per minute at a minimum of 700 kPA through a nozzle capable of projecting water by spray or by jet; and persons are present, who have such qualifications in fire fighting as are approved.



Special Waste Type 1 (Asbestos Waste)	Receipt, handling and disposal by landfilling	<ul style="list-style-type: none"> Only to be disposed of into a designated asbestos disposal area within the landfill; Not to be deposited within 2m of the final tipping surface of the landfill; and No works shall be carried out on the landfill that could lead to a release of asbestos fibres.
Special Waste Type 2 (Biomedical and Clinical Waste)	Receipt, handling and disposal by landfilling	<ul style="list-style-type: none"> Only to be disposed of into a designated biomedical waste disposal area within the landfill; Not to be deposited within 2m of the final tipping surface of the landfill; and No works shall be carried out on the landfill that could lead to biomedical wastes being excavated or uncovered. Witness the disposal and covering of the Special Waste Type 2 and sign the register referred to condition 5.1.5.

Note 1: Requirements for landfilling tyres are set out in Part 6 of the Environmental Protection Regulations 1987.

Note 2: Additional requirements for the acceptance and landfilling of controlled waste (including asbestos and tyres) are set out in the Environmental Protection (Controlled Waste) Regulations 2004.

1.3.4 The Licensee shall ensure that wastewater and sewage sludge is only stored and/or treated within vessels or compounds provided with the infrastructure detailed in Table 1.3.3.

Table 1.3.3: Containment infrastructure		
Storage vessel or compound	Material	Infrastructure details
Septage Ponds	Sewage and oily water	Initially plastic lined with clay base to achieve a permeability of less than 1×10^{-9} m/s or equivalent.
Sewage sludge compound	Sewage sludge	Prior to disposal in the putrescible cell, direct sludge to temporary or permanent infrastructure that consists of a banded hardstand or lined area (lined to achieve a permeability of less than 10^{-9} m/s or equivalent), capable of preventing surface run-off of leachate and sludge and which includes a leachate collection system

1.3.5 The Licensee shall maintain septage ponds in such a manner that:

- a minimum top of embankment freeboard of 500mm or a '1 in 100 year', 72 hour storm event (whichever is greater) is maintained; and
- methods of operation minimise the likelihood of erosion of the embankments.

1.3.6 The Licensee shall manage the landfilling activities to ensure:

- the size of the tipping face is kept to a minimum and not larger than 10m x 10m;
- waste is levelled and compacted to ensure all faces are stable and capable of retaining rehabilitation material;
- waste is covered as soon as possible after it is discharged and not later than by the end of the working day; and
- rehabilitation of a cell or phase takes place within 6 months after disposal in that cell or phase has been completed.

1.3.7 The Licensee shall ensure that cover is applied and maintained on landfilled waste in accordance with Table 1.3.4 and that sufficient stockpiles of cover are maintained on site at all times.



Table 1.3.4: Cover requirements¹			
Waste Type	Material	Depth	Timescales
Inert Waste Type 1	Inert waste type 1 or soil (clean fill)	200mm	No cover required.
Putrescible Waste			Fortnightly or as soon as practicable after deposit and not later than the end of the working day.
Inert Waste Type 2 (Tyres only)		300mm	To be covered by the end of the working day in which the waste was deposited with sufficient quantities of Type 1 inert waste or clean fill to prevent the spread of fire and harbouring of disease vectors.
Special Waste Type 1		1000mm	To be covered by the end of the working day in which the waste was deposited with sufficient quantities of Type 1 inert waste or clean fill.
Special Waste Type 2		1000mm	As soon as practicable after deposit
Contaminated solid wastes		200mm	Fortnightly or as soon as practicable after deposit.

Note 1: Additional requirements for the covering of tyres are set out in Part 6 of the Environmental Protection Regulations 1987.

1.3.8 The Licensee shall install and maintain a capping system on each waste cell in accordance with the requirements of Table 1.3.5.

Table 1.3.5: Capping requirements¹		
Cell Number(s)	Specification	Timescales
1-10	300mm of clay with a permeability no greater than 75% of 1×10^{-9} m/sec or equivalent	Each cell to be capped within 6 months of achieving final waste contours

Note 1: Capping as per the Best Practice Environmental Management guideline for Siting, Design, Operation and Rehabilitation of Landfills (EPA Victoria, September 2010) as amended from time to time.

1.3.9 The Licensee shall implement the following security measures at the site:

- erect and maintain suitable fencing to prevent unauthorised access to the site as far as is practicable;
- ensure that any entrance gates to the premises are securely locked when the premises are unattended; and
- undertake regular inspections of all security measures and repair damage as soon as practicable

1.3.10 The Licensee shall install and maintain a sign at the entrance to the Premises which clearly displays the following information:

- hours of operation;
- contact telephone number;
- a warning indicating penalties for people lighting fires;
- list of materials accepted for recycling and the location of where they can be deposited on the premises.

1.3.11 The licensee shall ensure that vermin, birds, flies and other insects do not give rise to nuisance at the premises or in the immediate area of the premises. Any method used by the licensee shall not cause environmental pollution.



- 1.3.12 The Licensee shall take all reasonable and practical measures to ensure that no windblown waste escapes from the Premises and that windblown waste is collected on at least a fortnightly basis and returned to the tipping area.
- 1.3.13 The Licensee shall ensure that there are appropriate procedures in place at the premises so that any unauthorised fire is promptly extinguished.
- 1.3.14 The Licensee shall notify the CEO if a fire has not been extinguished within two (2) hours.



2 Emissions

2.1 General

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

2.2 Point source emissions to air

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

2.3 Point source emissions to surface water

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

2.4 Point source emissions to groundwater

There are no specified conditions relating to point source emissions to ground water in this section.

2.5 Emissions to land

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

2.6 Fugitive emissions

2.6.1 The Licensee shall use all reasonable and practical measures to prevent and where that is not practicable to minimise dust emissions from the Premises.

2.6.2 The Licensee shall ensure that no visible dust generated by the activities on the Premises crosses the boundary of the Premises.

2.7 Odour

2.7.1 The Licensee shall ensure that odour emitted from the Premises does not unreasonably interfere with the health, welfare, convenience, comfort or amenity of any person who is not on the Premises.

2.8 Noise

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



3 Monitoring

3.1 General monitoring

- 3.1.1 The licensee shall ensure that:
- (a) all water samples are collected and preserved in accordance with AS/NZS 5667.1;
 - (b) all wastewater sampling is conducted in accordance with AS/NZS 5667.10;
 - (c) all groundwater sampling is conducted in accordance with AS/NZS 5667.11; and
 - (d) all laboratory samples are submitted to and tested by a laboratory with current NATA accreditation for the parameters being measured.
- 3.1.2 The Licensee shall ensure that :
- (a) six monthly monitoring is undertaken at least 5 months apart
- 3.1.3 The Licensee shall have all monitoring equipment referred to in any condition of the Licence calibrated in accordance with the manufacturer's specifications.
- 3.1.4 The Licensee shall, where the requirements for calibration cannot be practicably met, or a discrepancy exists in the interpretation of the requirements, bring these issues to the attention of the CEO accompanied with a report comprising details of any modifications to the methods.

3.2 Monitoring of point source emissions to air

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

3.3 Monitoring of point source emissions to surface water

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

3.4 Monitoring of point source emissions to groundwater

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

3.5 Monitoring of emissions to land

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

3.6 Monitoring of inputs and outputs

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



Table 3.6.1: Monitoring of inputs and outputs				
Input/Output	Parameter	Units	Averaging period	Frequency
Waste Inputs	Clean Fill, Inert Waste Type 1, Inert Waste type 2, Putrescible waste, Special Waste Type 1, Special Waste Type 2, and Contaminated Solid Waste	tonnes (where a weighbridge is present on the site) m ³ (where no weighbridge is present)	N/A	Each batch arriving at premises
Waste Outputs	Waste type as defined in the Landfill Waste Classification and Waste Definitions 1996 (As amended December 2009)			Each load leaving or rejected from the Premises

3.7 Process monitoring

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

3.8 Ambient environmental quality monitoring

3.8.1 The Licensee shall undertake the monitoring in Table 1 according to the specifications in that table and record and investigate results that do not meet any limit specified.

Table 3.8.1: Monitoring of ambient groundwater quality						
Monitoring point reference and location	Parameter	Limit	Units	Averaging period	Frequency	
MB1 (Monitoring Bore 1) as depicted on the Map of monitoring location in Schedule 1	Ammonia (as NH ₃)	0.5	mg/L	Spot sample	Six monthly	
	Arsenic	0.007				
	Cadmium	0.002				
	Chromium (Cr VI)	0.05				
	Copper	2				
	Lead	0.01				
	Manganese	0.5				
	Nitrate	50				
	Nitrite	3				
	pH ¹	5.8 – 8.5				pH
	Phosphate	0.1				mg/L
	Sulphate	500				
	Total dissolved solids	500				
	Zinc	3				
Standing Water Level			m			

Note 1: In-situ non-NATA accredited analysis permitted.

3.9 Meteorological monitoring

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



4 Improvements

There are no specified conditions relating to premises improvements in this section.

5 Information

5.1 Records

- 5.1.1 All information and records required by the Licence shall:
- (a) be legible;
 - (b) if amended, be amended in such a way that the original and subsequent amendments remain legible or are capable of retrieval;
 - (c) except for records listed in 5.1.1(d) be retained for at least 6 years from the date the records were made or until the expiry of the Licence or any subsequent licence; and
 - (d) for those following records, be retained until the expiry of the Licence and any subsequent licence:
 - (i) off-site environmental effects; or
 - (ii) matters which affect the condition of the land or waters.

- 5.1.2 The Licensee shall ensure that:
- (a) any person left in charge of the Premises is aware of the conditions of the Licence and has access at all times to the Licence or copies thereof; and
 - (b) any person who performs tasks on the Premises is informed of the conditions of the Licence that relate to the tasks which that person is performing.

- 5.1.3 The Licensee shall complete an Annual Audit Compliance Report indicating the extent to which the Licensee has complied with the conditions of the Licence, and any previous licence issued under Part V of the Act for the Premises for the previous annual period.

- 5.1.4 The Licensee shall implement a complaints management system that as a minimum records the number and details of complaints received concerning the environmental impact of the activities undertaken at the Premises and any action taken in response to the complaint.

- 5.1.5 The Licensee shall maintain a register of Special Waste Type 1 (Asbestos waste) and Special Waste Type 2 (Biomedical and clinical waste) disposed of at the Premises which shall include a plan showing the position of Special Waste Type 1 (Asbestos waste) and Special Waste Type 2 (Biomedical and clinical waste) disposed of at the Premises.

5.2 Reporting

- 5.2.1 The Licensee shall submit to the CEO an Annual Environmental Report within 28 calendar days (i.e. 31 May) after the end of the annual period. The report shall contain the information listed in Table 5.2.1 in the format or form specified in that table.



Table 5.2.1: Annual Environmental Report		
Condition or table (if relevant)	Parameter	Format or form¹
-	Summary of any failure or malfunction of any pollution control equipment and any environmental incidents that have occurred during the annual period and any action taken	None specified
-	Summary of measures taken to suppress dust, to control wind blown waste and to control pest and vermin.	None specified
-	Summary on the number and severity of fires on site.	None specified
Table 3.6.1	Monthly summary of each waste type received, leaving and rejected at the premises	None specified
Table 3.8.1	Monitoring of ambient groundwater quality. Information provided should include the date sampling took place, the method used and who carried out the sampling.	Tabular format
5.1.3	Compliance	Annual Audit Compliance Report (AACR)
5.1.4	Complaints summary	None specified
5.2.2	Annual Environmental Report Summary	None specified

Note 1: Forms are in Schedule 2

- 5.2.2 The Licensee shall ensure that the Annual Environmental Report also contains:
- any relevant process, production or operational data recorded under Condition 3.1.3;
 - an assessment of the information contained within the report against previous monitoring results and Licence limits and/or targets; and
 - a list of any original monitoring reports submitted to the Licensee from third parties for the annual period and make these reports available on request.

5.3 Notification

- 5.3.1 The Licensee shall ensure that the parameters listed in Table 5.3.1 are notified to the CEO in accordance with the notification requirements of the table.

Table 5.3.1: Notification requirements			
Condition or table (if relevant)	Parameter	Notification requirement¹	Format or form²
-	Removal of sewage sludge from a septage pond.	No less than 14 days in advance of works	None specified
-	a schematic of the landfill highlighting areas of the landfill where capping of completed cells has taken place;	As part of the Annual Environmental Report submission	None specified
-	any changes to site boundaries, internal buffer zones, asbestos and clinical waste disposal areas, location of groundwater monitoring bores, surface drainage channels;	As soon as practicable	None specified
-	any issues raised by DER (eg. arising from inspections) during the reporting period are to be summarised	As soon as practicable or as per the notification letter received from DER	None specified



	together with details on how these have been addressed/rectified or, if the required work has yet to be completed, how and when they will be rectified/completed.		
3.8.1	Breach of any limit specified in the Licence	Part A: As soon as practicable but no later than 5pm of the next usual working day. Part B: As soon as practicable	N1
-	Any failure or malfunction of any pollution control equipment or any incident, which has caused, is causing or may cause pollution		

Note 1: Notification requirements in the licence shall not negate the requirement to comply with s72 of the Act

Note 2: Forms are in Schedule 2

5.3.2 The Licensee shall provide to the CEO a report detailing, but not limited to, the following information within fourteen (14) days of the fire:

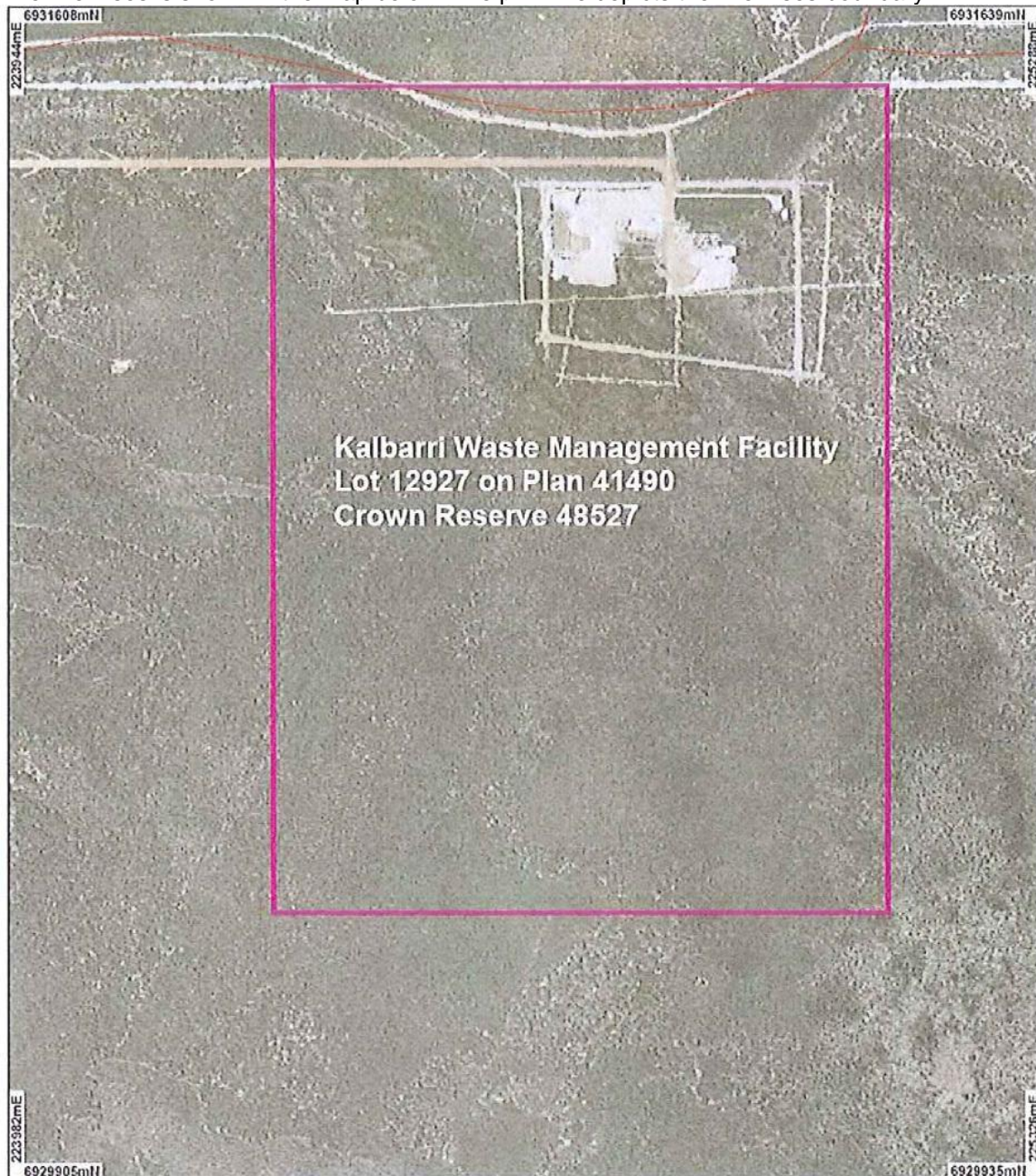
- (a) details of the date, time and location of the fire;
- (b) the time the fire was declared safe by the Fire Control Officer for the Premises;
and
- (c) the cause, or suspected cause, of the fire.



Schedule 1: Maps

Premises map

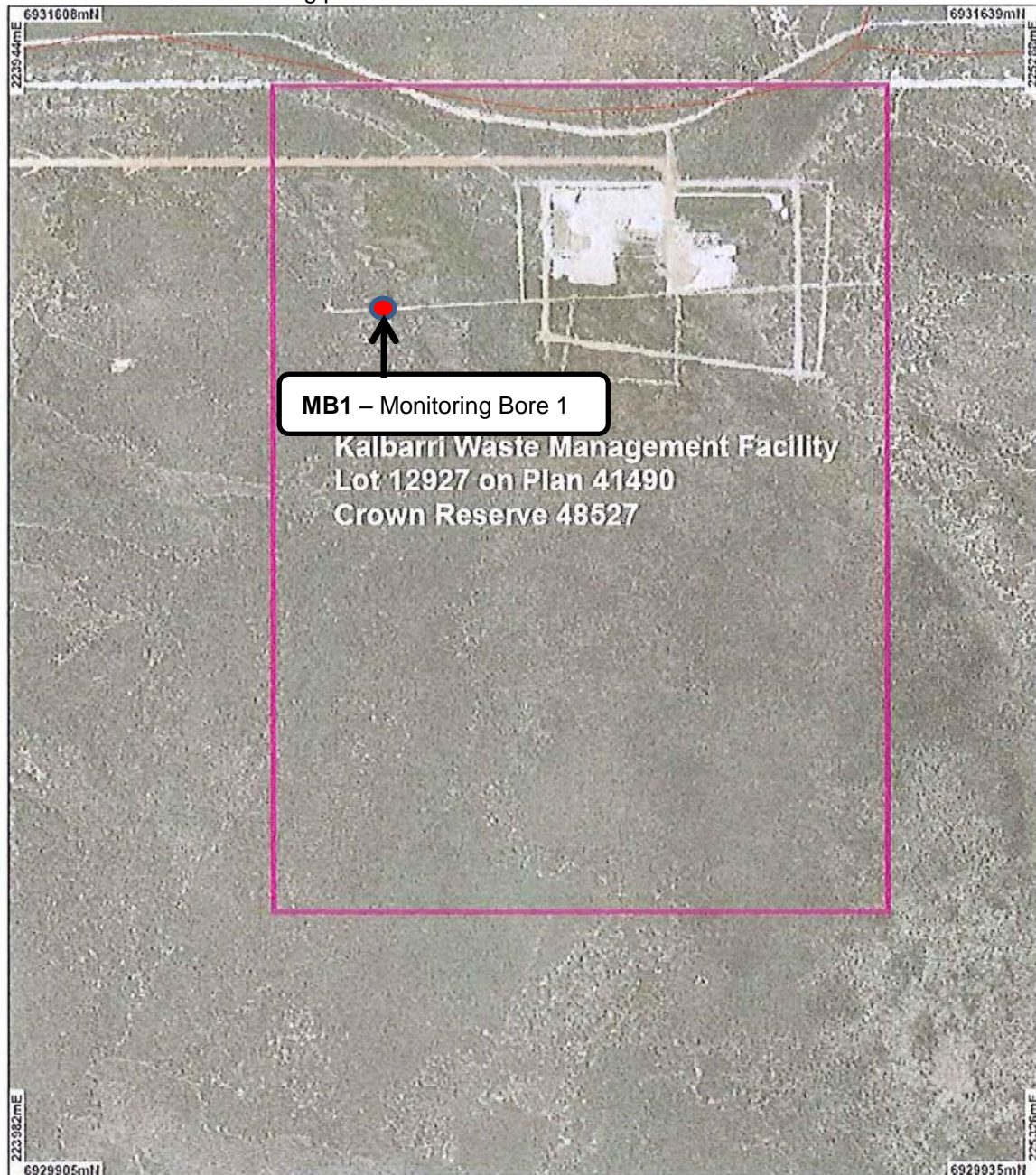
The Premises is shown in the map below. The pink line depicts the Premises boundary.





Map of monitoring location

The location of the monitoring point defined in Table 3.8.1 is shown below.





Schedule 2: Reporting & notification forms

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

ANNUAL AUDIT COMPLIANCE REPORT PROFORMA

SECTION A LICENCE DETAILS

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

STATEMENT OF COMPLIANCE WITH LICENCE CONDITIONS

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

Yes Please proceed to Section C

No Please proceed to Section B

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

Initial:



SECTION B

DETAILS OF NON-COMPLIANCE WITH LICENCE CONDITION.

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

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

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

Initial:



SECTION C

SIGNATURE AND CERTIFICATION

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

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

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

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

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

SIGNATURE: _____

SIGNATURE: _____

NAME:
(printed) _____

NAME:
(printed) _____

POSITION: _____

POSITION: _____

DATE: ____/____/____

DATE: ____/____/____

SEAL (if signing under seal)



Licence: L6877/1997/12
 Form: N1

Licensee: Shire of Northampton
 Date of breach:

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

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

Part A

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

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

Notification requirements for any failure or malfunction of any pollution control equipment or any incident which has caused, is causing or may cause pollution	
Date and time of event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substances potentially released	
Best estimate of the quantity or rate of release of substances	
Measures taken , or intended to be taken, to stop any emission	
Description of the failure or accident	



Part B

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

Name	
Post	
Signature on behalf of Shire of Northampton	
Date	