



Mr Dean Taylor - Chief Executive Officer  
Shire of Katanning  
PO Box 130  
KATANNING WA 6317

Dear Mr Taylor

**ENVIRONMENTAL PROTECTION ACT 1986: LICENCE GRANTED**

**Premises:** Katanning Shire Refuse Site  
Lot 9241 on Plan 215173 (Crown Reserve 6044) Katanning-Nyabing Rd,  
KATANNING WA 6317  
**Licence Number:** L6919/1997/11

A licence under the *Environmental Protection Act 1986* (the Act) has been granted for the above premises. The Department of Environment Regulation will advertise the issuing of this licence in the public notices section of *The West Australian* newspaper.

The licence includes attached conditions. Under section 58(1) of the Act, it is an offence to contravene a condition of a licence. This offence carries a penalty of up to \$125,000 and a daily penalty of up to \$25,000. In accordance with section 102(1)(c) of the Act, you have 21 days to appeal the conditions of the licence. Under section 102(3)(a) of the Act, any other person may also appeal the conditions of the licence. To lodge an appeal contact the Office of the Appeals Convenor on 6467 5190 or by email at [admin@appealsconvenor.wa.gov.au](mailto:admin@appealsconvenor.wa.gov.au).

Where a licence is issued for more than one year it requires payment of an annual fee and will cease to have effect if the fee is unpaid. It is the occupier's responsibility to lodge a fee application and pay the annual fee in sufficient time to avoid incurring a late payment fee and for processing to be completed before the licence anniversary date.

If you have any queries regarding the above information, please contact Alan Kietzmann on 08 9621 3403.

Yours sincerely

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

23 January 2014



# Licence

## *Environmental Protection Act 1986, Part V*

**Licensee:** Shire of Katanning

**Licence:** L6919/1997/11

**Registered office:** 16-24 Austral Tce  
 KATANNING WA 6317

**Premises address:** Katanning Shire Refuse Site  
 Lot 9241 on Plan 215173 (Crown Reserve 6044) Katanning-Nyabing Rd  
 KATANNING WA 6317  
 Being Lot 9241 on Plan 215173 as depicted in Schedule 1.

**Issue date:** Thursday, 23 January 2014

**Commencement date:** Thursday, 30 January 2014


**Expiry date:** Tuesday, 29 January 2019

**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
57	Used tyre storage (general): premises (other than premises within category 56) on which used tyres are stored.	100 tyres or more	< 1,000 tyres at any one time
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	< 5,000 tonnes per year

**Conditions**

Subject to this Licence and the conditions set out in the attached pages.



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





## Contents

Licence	1
Contents	2
Introduction	2
Licence Conditions	5
1 General	5
2 Emissions	13
3 Monitoring	14
4 Improvements	15
5 Information	17
Schedule 1: Maps	20
Schedule 2: Reporting & notification Forms	22

## 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 Katanning Shire Refuse Site is operated by the Shire of Katanning. It is located east of the town of Katanning between the Katanning-Nyabing Rd (to the north) and the railway line (to the south) and covers an area of approximately 73.1 ha. Surrounding land uses include rural, recreation and open space with the landfill premises being classified as public purposes under Town Planning Scheme No. 4.

The nearest sensitive receptor is residential and is located approximately 425 m north east (this was constructed after the Katanning Shire Refuse Site commenced in operation). This conforms with the buffer distance guideline given in the Environmental Protection Authority’s Guidance Statement No. 3 – Separation Distances between Industrial and Sensitive Land Uses dated June 2005, as it states the buffer distance should be 150 m for single residences.

The current site accepts approximately 3,200 tonnes of waste (general waste and kerbside collection) per year and services the Katanning town with a population of 4,500 (includes surrounding rural areas). Only the township is serviced by a weekly refuse collection (2,190 weekly pick-ups). In addition to this the site also receives from 30 to 130 carcasses per month (mainly from the Katanning saleyards), dogs from the pound and the occasional road kill animal, green waste and asbestos. Kerbside recycling is currently collected by Warren Blackwood Waste and transported to the Kojonup Transfer Station (L8734/2013/1) based in Kojonup.

The main potential emissions from the site are dust, odour and discharges to land with the potential for leachate to groundwater. Additionally windblown litter, flies and pests are issues and asbestos fibres are a potential issue.

This Licence is the successor to licence L6919/1997/10 and includes changes to the licence to update to REFIRE format.

The licences and works approvals issued for the Premises since 24/01/2008 are:

Instrument Log		
Instrument	Issued	Description
L6919/1997/9	24/01/2008	Licence re-issue
L6919/1997/10	24/01/2011	Licence re-issue
L6919/1997/10	31/03/2011	Licence amendment (update Special Waste, Inert Waste green waste, used tyres and stormwater conditions)
L6919/1997/11	23/01/2014	This Licence re-issue (REFIRE format)



**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:

**'acceptance criteria'** 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;

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

**'AHD'** means the Australian height datum;

**'annual period'** means the inclusive period from 1 January until 31 December in the same 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 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 5667.11'** 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;

**'car tyre equivalents'** are based on the following relativities:

- 1 truck tyre equals 7 car tyres;
- 1 light truck tyre equals 1.5 car tyres;
- 1 super single equals 14 car tyres; and
- 1 earth moving tyre equals 20 car tyres;

**'clean fill'** 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;

**'code of practice for the storage and handling of dangerous goods'** means the Storage and handling of dangerous goods - code of practice, Department of Mines and Petroleum, Government of Western Australia;

**'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;

**'designated burning area'** means an area of a landfill site that has been designated by the occupier of the site as a designated burning area;

**'Director'** means Director, Environmental Regulation Division of the Department of Environment Regulation for and on behalf of the Chief Executive Officer as delegated under section 20 of the *Environmental Protection Act 1986*;

**'Director'** for the purpose of correspondence means;  
Regional Leader, Industry Regulation, South Coast Region  
Department of Environment Regulation  
120 Albany Highway  
ALBANY WA 6330  
Telephone: (08) 9842 4567  
Facsimile: (08) 9642 7105  
Email: [Industryregsalbany@der.wa.gov.au](mailto:Industryregsalbany@der.wa.gov.au)

**'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;

**'fugitive emissions'** means all emissions not arising from point sources;

**'green waste'** means waste that originates from flora;

**'hazardous 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;

**'Inert 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;

**'Inert 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;

**'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 a liquid containing contaminants leached from the waste mass produced as water percolates through a landfill or liquid waste ponds;

**'Licence'** means this licence numbered L6919/1997/11 and issued under the *Environmental Protection Act 1986*;

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

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





**'NATA accreditation'** 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;

**'quarantined storage area or container'** means a hardstand storage area or sealed-bottom container that is separate and isolated from authorised waste disposal areas and is capable of containing all non-conforming waste and its constituents, these areas must be clearly marked and their access restricted to authorised personnel;

**'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;

**'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;

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

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

**'tipping area'** means the area of the landfill in which waste other than cover material is being deposited for burial;

**'tyre storage catchment area'** means an area of the licensed premises that is large enough to fully and effectively contain no less than 162,000 litres (10 litres per second for 3 hydrants for 90 minutes) of fire water;

**'usual working day'** means 0800 – 1700 hours, Monday to Friday excluding public holidays in Western Australia; and

**'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.

1.1.3 Any reference to an Australian or other standard in the Licence means the relevant parts of the current version of that standard.

1.1.4 Any reference to a guideline or code of practice in the Licence means the current version of the guideline or code of practice.





## 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 only store environmentally hazardous materials if:
- (a) they are stored in accordance with the Code of Practice for the Storage and handling of dangerous goods; or
  - (b) they are stored within compounds or vessels that:
    - (i) were constructed prior to 23/01/2014;
    - (ii) have not previously met the requirements of conditions 1.2.3(a); and
    - (iii) are the subject of improvement requirements IR1 and IR2 in section 4.
- 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.<sup>1</sup>
- 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 accept waste on to the Premises if:
- (a) it is of a type listed in Table 1.3.1;
  - (b) the quantity accepted is below any quantity limit listed in Table 1.3.1;
  - (c) it meets any specification listed in Table 1.3.1; and
  - (d) where contaminated solid waste is received, it is supported by documentation that demonstrates compliance with the acceptance criteria for Class II landfills.



Table 1.3.1: Waste acceptance		
Waste	Quantity Limit	Specification <sup>1</sup>
Clean fill	None	None specified
Controlled waste	<100 tpa	Biological wastes (septage effluent only) to be deposited in septage ponds.
Inert waste Type 1	None	None specified
Inert Waste Type 2 (except tyres)		scrap metal and plastic only
Inert Waste Type 2 (tyres only)	<1 000 tyres at any one time	Tyres only
Contaminated solid waste	Combined total of <5 000 tonnes per year	Must meet the acceptance criteria for Class II landfills
Hazardous		Limited to waste oil, paint, vehicle batteries, DrumMuster products
Putrescible waste		None specified
Special Waste Type 1		Cement bonded asbestos only. No fibrous asbestos shall be accepted. Asbestos to be received only by prior arrangement with the Licensee, or wrapped in plastic prior to acceptance
Special Waste Type 2		E.g. Biomedical / clinical

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 it is removed from the Premises by the delivery vehicle or, where that is not possible, stored in a quarantined storage area or container and removed to an appropriately authorised facility as soon as practicable.

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 <sup>1,2</sup>
All	Disposal of waste by landfilling	Disposal of waste by landfilling shall only take place within the landfill area shown on the Landfill Area Map in Schedule 1.  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 3 m.
Clean Fill	Receipt, handling and disposal by landfilling	None specified
Contaminated Solid Waste		<ul style="list-style-type: none"> <li>• DrumMuster products must be triple rinsed prior to acceptance on the premises;</li> <li>• Waste oil, paint, vehicle batteries must be stored in a fully enclosed bunded area/container.</li> </ul>
Hazardous		
Inert Waste Type1		None specified





Inert Waste Type 2 - Tyres	Receipt, handling, storage prior to re-use or removal offsite	<p>No more than 1 000 tyre equivalents shall be stored at any one time.</p> <p>To be stored in piles of up to 100 tyre equivalents with:</p> <ul style="list-style-type: none"> <li>• a 6 m separation distance between piles;</li> <li>• a minimum 3 m from the wall of any building; and</li> <li>• a minimum of 6 m from any active putrescible disposal area, any historical putrescible areas and fences.</li> </ul> <p>To be stored in a tyre catchment area that is maintained free of accumulate stormwater, or is the subject of improvement requirement IR4 in section 4.</p> <p>To be stored on level ground.</p>
	Receipt, handling, storage prior to disposal by landfilling	<p>Tyres shall only be landfilled:</p> <ul style="list-style-type: none"> <li>• in a designated cell;</li> <li>• in batches separated from each other by at least 100 mm of soil and consisting no more than 40 m<sup>3</sup> of tyres reduced to pieces; or</li> </ul> <p>in batches separated from each other by at least 100 mm of soil and not consisting of more than 100 tyres.</p>
Inert Waste Type 3 (dried wastewater treatment sludge)	Receipt, handling, storage prior to disposal by landfilling	To be covered within 24 hours of delivery.
Putrescible Waste	Receipt, handling, storage prior to disposal by landfilling	Municipal waste to be covered within 24 hours of delivery.
	Disposal by Burning	<p>Green waste is to be stored in piles no greater than 4 m in height and no more than 1 000 m<sup>3</sup> in volume with a 6 m firebreak between piles.</p> <p><u>Burning of Green Waste Only</u></p> <ul style="list-style-type: none"> <li>• to be dried and seasoned for at least 2 months before burning;</li> <li>• to take place in a designated burning area at least 25 m from the boundary of any active disposal areas;</li> <li>• to take place in trenches or windrows; and</li> <li>• to take place only when an adequate supply of water is available to effectively manage the burning process.</li> </ul>



Special Waste Type 1 (Asbestos Waste)	Receipt, handling and disposal by landfilling	<ul style="list-style-type: none"> <li>• Only to be disposed of into a designated asbestos disposal area within the landfill;</li> <li>• Access to the area where the waste is buried should be restricted to authorised persons only;</li> <li>• The Licensee, or representative of the Licensee must witness and sign the register to condition 5.1.5 within 2 hours to attest that it has been buried in accordance with the conditions of this Licence;</li> <li>• Not to be deposited within 2 m of the final tipping surface of the landfill; and</li> <li>• No works shall be carried out on the landfill that could lead to a release of asbestos fibres.</li> </ul>
Special Waste Type 2 (Biomedical and Clinical Waste)		<ul style="list-style-type: none"> <li>• Only to be disposed of into a designated biomedical waste disposal area within the landfill;</li> <li>• Access to the area where the waste is buried should be restricted to authorised persons only;</li> <li>• The Licensee, or representative of the Licensee must witness and sign the register to condition 5.1.5 within 2 hours to attest that it has been buried in accordance with the conditions of this Licence;</li> <li>• Not to be deposited within 2 m of the final tipping surface of the landfill; and</li> <li>• No works shall be carried out on the landfill that could lead to biomedical wastes being excavated or uncovered.</li> </ul>
Liquid waste	Receipt and disposal	<ul style="list-style-type: none"> <li>• Septage waste disposal shall only take place within the septage ponds as shown on the landfill area map in Schedule 1.</li> <li>• Access to the area where the waste is deposited should be restricted to authorised persons only.</li> </ul>

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 septage waste 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 requirements
septage pond 1 and 2	septage waste	<ul style="list-style-type: none"> <li>• Lined to achieve permeability of at least <math>1 \times 10^{-9}</math> m/s, or equivalent.</li> <li>• Designed to contain leachate and stormwater produced as a result of a 1 in 100 year storm event.</li> <li>• A freeboard at or greater than 500 mm is targeted.</li> <li>• The integrity of the infrastructure is maintained.</li> <li>• Vegetation and floating debris (emergent or otherwise) is prevented from encroaching onto pond surfaces or inner pond embankments.</li> </ul>

1.3.5 The Licensee shall manage the landfilling activities to ensure:

- the size of the tipping face is kept to a minimum and not larger than 30 m long by 2 m in vertical height;
- waste is levelled and compacted to ensure all faces are stable and capable of retaining rehabilitation material;





- (c) waste is covered as soon as possible after it is discharged and not later than by the end of the working day; and
- (d) rehabilitation of a cell or phase takes place within 9 months after disposal in that cell or phase has been completed.

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

Waste Type	Material	Depth	Timescales
Inert Waste Type 2 <sup>1</sup>	Inert waste type 1 or soil	100 mm	As soon as practicable after deposit and not later than the end of the working day.
Putrescible Wastes	Inert waste type 1, soil or clay	150 mm	As soon as practicable and not later than the end of the working day.
	Inert waste type 1, soil, or clay	1000 mm	Within 3 months of achieving final waste contours.
Special Waste Type 1	Inert waste type 1 or clean fill;	300 mm;	As soon as practicable after deposit, prior to compaction and by the end of the working day in which the asbestos waste was deposited.
	OR Solid waste or soil	OR 1 000 mm	
Special Waste Type 2	Solid waste or soil	1 000 mm	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.

- 1.3.10 The Licensee shall implement the following security measures at the site:
- (a) erect and maintain suitable fencing to prevent unauthorised access to the site as far as is practicable;
  - (b) ensure that any entrance gates to the premises are securely locked when the premises are unattended; and
  - (c) undertake regular inspections of all security measures and repair damage as soon as practicable.
- 1.3.11 The Licensee shall install and maintain a sign at the entrance to the Premises which clearly displays the following information:
- (a) hours of operation;
  - (b) contact telephone number; and
  - (c) a warning indicating penalties for people lighting fires.
- 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 weekly basis and returned to the tipping area.
- 1.3.13 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.
- 1.3.14 The Licensee shall notify the Director if an unauthorised fire has not been extinguished within two (2) hours.
- 1.3.15 The Licensee shall provide to the Director a report detailing but not limited to, the following information:
- (a) details of the date, time and location of the unauthorised fire;
  - (b) the time the unauthorised fire was declared safe by the Fire Control Officer for the Premises; and
  - (c) the cause, or suspected cause, of the unauthorised fire.



- 1.3.16 The Licensee shall provide the report referred to in condition 1.3.15 of this licence within fourteen (14) days of the fire.

## **2 Emissions**

### **2.1 General**

- 2.1.1 The Licensee shall record and investigate the exceedance of any descriptive or numerical limit, and/or target in this section.

### **2.2-2.4 Point source emissions to air, surface water and groundwater**

There are no specified conditions relating to point source emissions to air, surface water or groundwater in these sections.

### **2.5 Emissions to land**

There are no 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.

### **2.7 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 groundwater sampling is conducted in accordance with AS/NZS 5667.11; and
- (c) all laboratory samples are submitted to a laboratory with current NATA accreditation for the parameters to be measured.

3.1.2 The Licensee shall ensure that 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 Director accompanied with a report comprising details of any modifications to the methods.

#### 3.2-3.4 Monitoring of point source emissions to air, surface or groundwater

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

#### 3.5 Monitoring of emissions to land

There are no 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, Contaminated solid waste, Inert Waste Type 1, Inert Waste Type 2, Putrescible waste, Special Waste Type 1, Special Waste Type 2.	tonnes (where a weighbridge is present on the site)	N/A	Each load arriving at the Premises.
Waste Outputs	Waste type as defined in the Landfill Waste Classification and Waste Definitions 1996 (As amended December 2009).	m <sup>3</sup> (and estimated tonnage where no weighbridge is present)		Each load leaving or rejected from the Premises.



**3.7 Process monitoring**

There are no 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 3.8.1 according to the specifications in that table and record and investigate results that do not meet any target specified.

<b>Table 3.8.1: Monitoring of ambient groundwater quality</b>				
<b>Monitoring point reference and location</b>	<b>Parameter</b>	<b>Units</b>	<b>Averaging period</b>	<b>Frequency</b>
Monitoring Bore 1 (MB1) & Monitoring Bore 2 (MB2)	Standing water level	m (AHD)	Spot sample	Six monthly
MB1 & MB2	Cadmium	mg/L	Spot sample	Six monthly
MB1 & MB2	Chloride	mg/L	Spot sample	Six monthly
MB1 & MB2	Chromium	mg/L	Spot sample	Six monthly
MB1 & MB2	Copper	mg/L	Spot sample	Six monthly
MB1 & MB2	Lead	mg/L	Spot sample	Six monthly
MB1 & MB2	Manganese	mg/L	Spot sample	Six monthly
MB1 & MB2	Nickel	mg/L	Spot sample	Six monthly
MB1 & MB2	pH		Spot sample	Six monthly
MB1 & MB2	Potassium	mg/L	Spot sample	Six monthly
MB1 & MB2	Total dissolved solids	mg/L	Spot sample	Six monthly
MB1 & MB2	Total nitrogen	mg/L	Spot sample	Six monthly
MB1 & MB2	Zinc	mg/L	Spot sample	Six monthly

**3.9 Meteorological monitoring**

There are no specified conditions relating to meteorological monitoring.

**4 Improvements**

**4.1 Improvement Program**

4.5.1 The Licensee shall complete the improvements in Table 4.1.1 by the date specified.

4.1.2 The Licensee, for improvements not specifically requiring a written submission, shall write to the Director stating whether and how the Licensee is compliant with the improvement within one week of the completion date specified in Table 4.1.2.





Table 4.1.2: Improvement Program		
Improvement Reference	Improvement	Date of completion
IR1	The Licensee shall submit to the Director a report on all existing tanks holding dangerous goods or environmentally hazardous materials identifying whether are compliant with the standards in Condition 1.2.3 for new tanks. The report will include a list of actions for each non-compliant tank required to meet these requirements.	30/04/2014
IR2	The Licensee shall submit to the Director a report detailing a program of improvements to bring those non-compliant tanks identified in the response to IR1. These improvements should ensure those tanks are brought up to the standards in Condition 1.2.3 based on the environmental risk from each tank.	30/04/2013
IR3	<p>The Licensee shall prepare and submit a post closure rehabilitation plan for the Premises/Landfill.</p> <p>The post closure rehabilitation (or phased restoration plan) should set out a plan for the rehabilitation of the site and should include as a minimum:</p> <ul style="list-style-type: none"><li>• options (including the preferred option) for the use of the site after it has ceased to be a landfill site;</li><li>• a conceptual design of the infrastructure needed for the preferred option for the use of the site after it has ceased to be a landfill site;</li><li>• the estimated final contours of the site, after allowing for settlement, and specifying to what extent settlement has been allowed for;</li><li>• the capping materials proposed to be used on the site;</li><li>• a proposed system of drainage of the site;</li><li>• measures to deal with leachate and gas production (if applicable)</li><li>• measures proposed for the protection of the environment and the monitoring of the site;</li><li>• timeframe for implementing the plan, and</li><li>• the estimated period for which the site will require protection and monitoring.</li></ul>	30/07/2014
IR4	Tyres are stored within a defined storage catchment area (condition 1.3.3).	30/07/2014



## 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 all 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:
- (a) implement a complaints management system that shall record the following information (if known or provided) about complaints received at the Premises concerning any environmental impact of the activities undertaken at the Premises:
    - (i) name and address of the complainants (if consented);
    - (ii) date and time of complaint;
    - (iii) date and time of alleged incident;
    - (iv) alleged source of the incident;
    - (v) general description of the alleged incident, including any environmental or health impacts reported by the complainant;
    - (vi) wind direction, wind speed and temperature at time of alleged incident;
    - (vii) likely source of the alleged incident; and
    - (viii) actions taken by licensee to address complaint, including the outcome of any investigation(s) and action(s) to verify any impacts.
  - (b) complete an annual analysis and review of complaints recorded under 5.1.4(a) to identify any common factors and root cause of complaints and proposals to address these.
- 5.1.5 The Licensee shall:
- (a) implement and maintain a system which ensures that a record is made of:
    - (i) the waste types and quantities accepted at the Premises;
    - (ii) the waste types and quantities disposed of at the Premises;
    - (iii) where appropriate the amount of landfill levy payable in respect of the waste;
    - (iv) the waste types and quantities removed or rejected from the Premises, including the reasoning; and
    - (v) any documentary evidence to demonstrate compliance with the Class II landfill acceptance criteria.





- (b) maintain a register of the Special Waste Type 1 and Special Waste Type 2 disposed of at the Premises which shall include:
  - (i) a plan showing the position of the Special Waste Type 1 and Special Waste Type 2 disposed of at the Premises;
  - (ii) the date of the deposit; and
  - (iii) the name of the person that deposited the waste.

## 5.2 Reporting

5.2.1 The Licensee shall submit to the Director an Annual Environmental Report within 90 calendar days 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 form <sup>1</sup>
1.3.1	Documentation that demonstrates compliance with Class II landfills.	None specified
	Annual Monitoring Report shall also contain, but not be limited to the following: <ul style="list-style-type: none"> <li>(i) the number of fires at the site;</li> <li>(ii) the measures taken to suppress dust;</li> <li>(iii) the measures taken to control windblown waste;</li> <li>(iv) any issues raised from inspections or incident responses during the reporting period together with details as to how these have been addressed/rectified or, if the required work has yet to be completed, how and when they will be rectified/completed; and</li> <li>(v) any changes to the premises boundary, internal buffer zones, asbestos and clinical waste disposal areas, location of groundwater monitoring bores, surface drainage channels and on-site or off-site impacts or pollution.</li> </ul>	None specified
5.1.3	Compliance	Annual Audit Compliance Report (AACR)
5.1.4	Complaints summary	None specified
Table 3.6.1	Monitoring of inputs and outputs	None specified
Table 3.8.1	Monitoring of ambient groundwater quality	GR1
-	Summary of any failure or malfunction of any pollution control equipment or any incidents that have occurred during the annual period and any action taken.	None specified

Note 1: Forms are in Schedule 2

- 5.2.2 The Licensee shall ensure that the Annual Environmental Report also contains:
- (a) any relevant process, production or operational data recorded under Condition 3.1.3;
  - (b) an assessment of the information contained within the report against previous monitoring results and Licence limits and/or targets; and
  - (c) 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 Director at the Contact Address and in accordance with the notification requirements of the table.

Table 5.3.1: Notification requirements			
Condition or table (if relevant)	Parameter	Notification requirement <sup>1</sup>	Format or form <sup>2</sup>
L1.3.14	Unauthorised fires burning for more than 2 hours.	Immediately.	Not specified
L1.3.16	The date, time, cause and location of any unauthorised fires on the premises.	Within 14 days of the fire.	In writing
	Any failure or malfunction of any pollution control equipment or any incident which has caused, is causing or may cause pollution.	Part A: As soon as practicable but no later than 5 pm of the next usual working day.  Part B: As soon as practicable.	N1

Note 1: No notification requirement in the Licence shall negate the requirement to comply with s72 of the Act.

Note 2: Forms are in Schedule 2

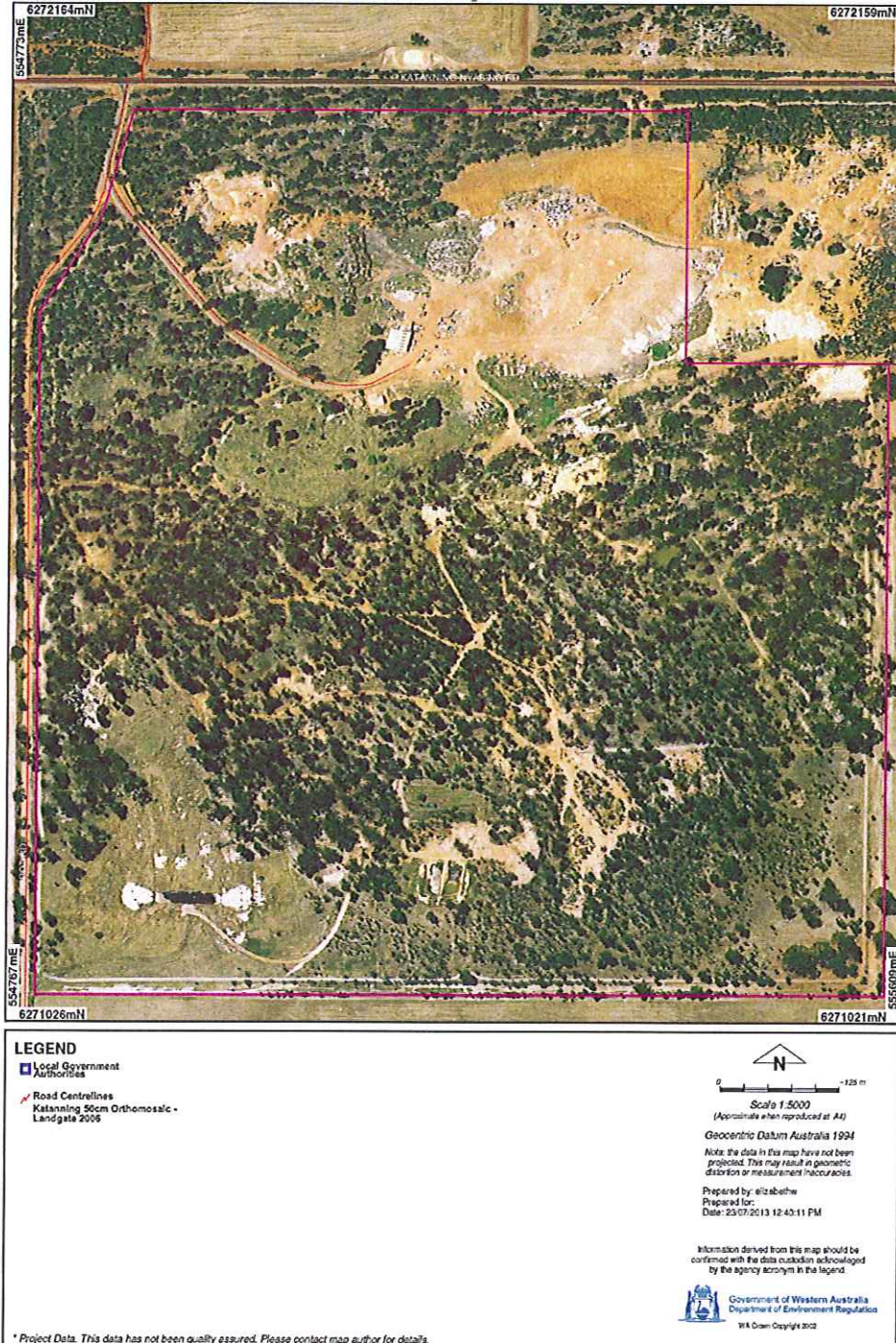




## Schedule 1: Maps

### Premises Map

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

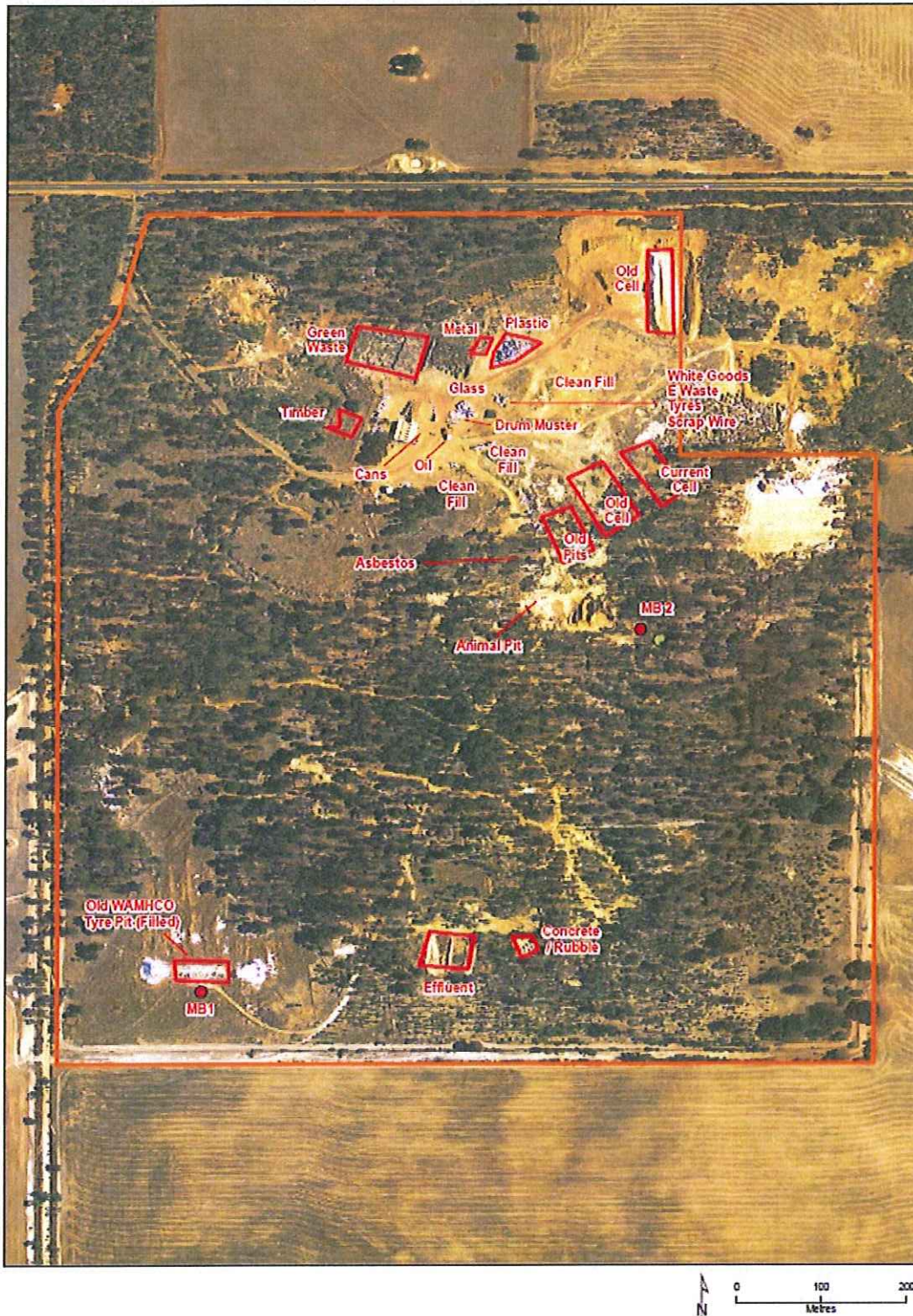






### Map of Landfill area and monitoring Locations

The locations of the monitoring points defined in Tables 3.8.1 are shown below.







## Schedule 2: Reporting & notification Forms

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

The original monitoring reports must also be submitted.

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Licence: L6919/1997/11 Licensee: Shire of Katanning  
Form: AACR Period :  
Name: Annual Audit Compliance Report

### Annual Audit Compliance Report

#### Section A: Statement of compliance with licence conditions

Were all conditions of licence complied with within the reporting period?		
Yes	<input type="checkbox"/>	Initial Sections A & B, then proceed to Section C
No	<input type="checkbox"/>	Initial Section A, then 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**

a) Licence condition not complied with?	
b) Date(s) and time(s) the non compliance occurred, if applicable?	
c) Was this non compliance reported to DER?	
<input type="checkbox"/> Yes, and  <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 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	

Please use a separate page for each licence condition that was not complied with. Each page must be initialled by the person(s) who signs Section C of this AACR

Initial:



**Section C: Signature and certification**

This AACR may only be signed by a person(s) with legal authority to sign it as defined 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 AACR 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 (CEO) of DER to sign on the Licensee's behalf.
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 CEO of DER.
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 CEO of DER.
a local government	<input type="checkbox"/>  <input type="checkbox"/>	by the CEO 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 AACR 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: L6919/1997/11  
 Form: N1

Licensee: Shire of Katanning  
 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	

<b>Notification requirements for the breach of a limit</b>	
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	

<b>Notification requirements for any failure or malfunction of any pollution control equipment or any incident which has caused, is causing or may cause pollution</b>	
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 Katanning	
Date	

	mg/L		
	mg/L		
	mg/L		
	mg/L		
solids	mg/L		
	mg/L		
	mg/L		