



Licence

Environmental Protection Act 1986, Part V

Licensee: City of Greater Geraldton

Licence: L6913/1997/10

Registered office: 63 Cathedral Avenue
GERALDTON WA 6530

Premises address: Mullewa Waste Management Facility
Crown Reserve 12107, Carnarvon-Mullewa Road
MULLEWA WA 6630
Being Lot 58 on Plan 134427 as depicted in Schedule 1

Issue date: Thursday, 27 June 2013

Commencement date: Sunday, 7 July 2013

Expiry date: Wednesday, 6 July 2033

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
62	Solid waste depot: premises on which waste is stored, or sorted, pending final disposal or re-use	500 tonnes or more per year	5,000 tonnes per annual period
64	Class II putrescible landfill site	20 tonnes or more per year	1,000 tonnes per annual period

Conditions

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

Date signed 4 February 2016

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Steve Checker

Manager - Licensing (Waste Industries)

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 advise on and implement strategies for a healthy environment for the benefit of all current and future Western Australians.

DER has responsibilities under Part V of the *Environmental Protection Act 1986* (the Act) for the licensing of prescribed premises. Through this process DER regulates to prevent, control and abate pollution and environmental harm to conserve and protect the environment. DER also monitors and audits compliance with works approvals and licence conditions, takes enforcement action as appropriate and develops and implements 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.

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 Mullewa Waste Management Facility (MWMF) is situated on Crown Reserve 12107, Carnarvon-Mullewa Road, Mullewa and is located about 3 kilometres (km) north of the Mullewa town and 464 km north of Perth. The nearest residence is located 700 metres (m) to the south of the MWMF. The nearest surface water is the Wooderarrung River which is located 270 m away. Department of Water records indicate groundwater in the area of the MWMF is approximately 6 m below ground level.

The MWMF currently receives approximately 1,000 tonnes per annum of solid wastes and a small volume (less than 100 tonnes per annum) of liquid (septage) waste from commercial operators. The City of Greater Geraldton operate a weekly verge bin collection service in the Town of Mullewa whereby household waste is collected and transported to Geraldton for burial. The solid wastes accepted at the MWMF are inert materials, general household waste not suitable for verge collection, used tyres, asbestos and greenwaste.

The waste transfer station is an uncovered light vehicle concrete hardstand area which utilises mobile bins for the collection of general household wastes which are not suitable for verge collection. All collected waste is then transported off site for disposal at the Meru Waste Management Facility located 50 km away in Geraldton.

The potential emissions from the Premises are dust associated with vehicle movement, noise from vehicles and equipment and odour from putrescible wastes.

This Licence is the result of an amendment sought by the Licensee to include a waste transfer station at the MWMF. As part of this Licence amendment process, DER has converted the Licence into a new Licence format.

The licences and works approvals issued for the Premises since 22/09/2004 are:

Instrument log		
Instrument	Issued	Description
L6913/1997/8	22/09/2004	Licence re-issue
L6913/1997/9	26/06/2008	Licence re-issue
L6913/1997/10	27/06/2013	Licence re-issue
L6913/1997/10	DRAFT	Licence amendment to include category 62, conversion into new Licence format and extension of Licence duration

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 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, chrysotile, crocidolite, tremolite and any mixture containing 2 or more of those;

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

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

'CEO' for the purpose of correspondence means;
Chief Executive Officer
Department Administering the Environmental Protection Act 1986
Locked Bag 33
CLOISTERS SQUARE WA 6850
Email: info@der.wa.gov.au

'Fire Control Officer' means a person who holds current and recognised qualifications in fire fighting and fire control as are specified in the Licence and that person is appointed to the position of Fire Control Officer by the Licensee;

'Inert Waste Type 1' has the meaning defined in Landfill Definitions;

'Inert Waste Type 2' has the meaning defined in Landfill Definitions;

'Landfill Definitions' means the document titled "Landfill Waste Classification and Waste Definitions 1996" published by the Chief Executive Officer of the Department of Environment as amended from time to time;

'Licence' means this Licence numbered L6913/1997/10 and issued under the Act;

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

'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 Definitions;

'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;

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

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

'Septage waste' means a liquid and solid material removed from septic tanks or other holding tanks for domestic sewage; and

'wire stock fence' means a fence at least 1.2 metres in height which is constructed from five strand plain or barbed wire or a ringlock fence with at least one strand of plain or barbed wire on top.

1.1.3 Any reference to an Australian or other standard in the Licence means the relevant parts of the 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 Premises operation

1.2.1 The Licensee shall record and investigate the exceedance of any descriptive or numerical limit in this section.

1.2.2 The Licensee shall only accept waste on to the Premises if:

- a) it is of a type listed in Table 1.2.1;
- b) the quantity accepted is below any quantity limit listed in Table 1.2.1;
- c) it meets any specification listed in Table 1.2.1; and
- d) it conforms to the description in the documentation supplied by the producer and holder.

Waste	Quantity limit	Specification
Clean Fill	None specified	None specified
Inert Waste Type 1	Combined total of 1,000 tonnes per annual period	Tyres and plastics only
Inert Waste Type 2		
Special Waste Type 1		
Putrescible Waste	5,000 tonnes per annual period	None specified

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

1.2.3 The Licensee shall ensure that where waste does not meet the waste acceptance criteria set out in condition 1.2.2, it is stored in a quarantined storage area or container and removed from the Premises to an appropriately authorised facility as soon as practicable.

1.2.4 The Licensee shall ensure that wastes accepted onto the Premises are only subjected to the process(es) set out in Table 1.2.2 and in accordance with any process limits described in that Table.



Table 1.2.2: Waste processing		
Waste type	Process(es)	Process limits ^{1, 2, 3}
All waste types	Receipt, handling, associated storage and disposal of waste	<ul style="list-style-type: none"> No waste shall be temporarily stored or landfilled within 35 metres from the boundary of the premises; 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. The separation distance between the base of the landfill and the highest groundwater level shall not be less than 3 m.
Putrescible waste		<p><u>Putrescible waste</u></p> <ul style="list-style-type: none"> Only to be accepted for transfer not burial/ disposal, except for animal carcasses, following the commissioning of the waste transfer station; To be removed from premises within 7 days of receipt, except for carcasses. <p><u>Green waste</u></p> <p>Ensure the following measures relating to the storage of green waste on the premises are implemented:</p> <ul style="list-style-type: none"> all mulch and green waste shall be stored in windrows; a 5 m fire break shall be maintained around the green waste storage area; and stored to a maximum height of 2 m.
Inert Waste Type 1		<ul style="list-style-type: none"> Waste containing visible asbestos or ACM shall not be accepted as Inert Waste Type 1. Scrap metal can be accepted on site.
Inert Waste Type 2		<ul style="list-style-type: none"> Tyres and plastics only. A total of less than 100 used tyres can be stored.
Special Waste Type 1		<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 2 m 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.
Clean Fill		None specified.

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*.

Note 3: Additional requirements for the management of rural landfills are set out in the *Environmental Protection (Rural Landfill) Regulations 2002*.

1.2.5 The Licensee shall ensure that cover is applied to waste in accordance with Table 1.2.3 and that sufficient stockpiles of cover are maintained on site at all times.

Table 1.2.3: Cover requirements			
Waste type	Material	Depth	Timescales
Inert Waste Type 1	No cover required		
Inert Waste Type 2	Type 1 Inert Waste or Clean fill	100mm	Prior to the number of whole tyres to be disposed reaching 100
		500mm	Final soil cover



Special Waste Type 1	Type 1 Inert Waste or Clean fill	A minimum of 1,000 mm	As soon as practical by supervised covering of the waste following deposition
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- 1.2.6 The licensee shall ensure that an accurate and up to date register is kept of material containing asbestos waste disposed of at the premises and include the following information in the register within 2 hours of supervising the covering of waste;
- the date;
 - the person's name that disposed of the waste; and
 - that the waste has been covered in accordance with condition 1.2.5.
- 1.2.7 The licensee shall maintain a plan showing the current position of material containing asbestos waste disposed of at the premises.
- 1.2.8 The Licensee shall maintain a wire stock fence around the Premises which is an effective barrier to cattle, horses and other stock.
- 1.2.9 The Licensee shall take all reasonable and practical measures to ensure that no wind-blown waste escapes from the Premises and that wind-blown waste is collected on at least a monthly basis and returned to the waste transfer station for containment.
- 1.2.10 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 for information and complaints or notification of fires;
 - warning indicating penalties for people lighting fires;
 - list of materials that are accepted and the location of where they can be deposited on the premises; and
 - the types of waste that must not be deposited on the Premises and a contact number for alternative disposal options.
- 1.2.11 The Licensee shall not burn or allow the burning of non-greenwaste on the Premises.
- 1.2.12 The Licensee or a person nominated by the Licensee, prior to the burning of green waste, shall:
- ensure the green waste is dry and seasoned for at least two months before being burnt;
 - ensure the green waste is burnt in a designated burning area;
 - provide an adequate water supply and distribution system to prevent fires from escaping beyond the green waste area;
 - burn green waste in a manner to minimise the generation of smoke;
 - burn green waste in windrows or trenches;
 - burning does not commence before 8 a.m. and the Fire Control Officer for the landfill site declares the area safe by 12 noon on the same day; and
 - ensure that, from the time burning commences until the Fire Control Officer for the premises declares the area safe;
 - a fire fighting vehicle is present nearby which is capable of carrying at least 500L of water, fitted with at least 30m of 19mm diameter rubber hose and with a pump capacity capable of delivering a minimum of 250L of water per minute at a minimum of 700kPA through a nozzle capable of projecting water by spray or by jet; and
 - 2 persons are present who have approved qualifications in fire fighting.
- 1.2.13 The Licensee shall ensure that there are appropriate procedures in place at the Premises so that any unauthorised fire is promptly extinguished.
- 1.2.14 The Licensee shall ensure that any unauthorised fire on the Premises is extinguished as soon as possible.



1.2.15 The Licensee shall maintain all access roads and drainage channels at the Premises to ensure that uncontaminated stormwater runoff does not come into contact with wastes.

1.2.16 The Licensee shall construct the waste transfer station in accordance with the documentation detailed in Table 1.2.4:

Table 1.2.4: Construction Requirements ¹		
Document	Parts	Date of Document
Bowman & Associates Pty Ltd, <i>Licence Amendment for Waste Transfer Station at Mullewa Landfill</i> , on behalf of City of Greater Geraldton, 2 December 2015.	All, including Drawings	2 December 2015

Note 1: Where the details and commitments of the documents listed in condition 1.2.16 are inconsistent with any other condition of this Licence, the conditions of this Licence shall prevail.

2 Monitoring

2.1.1 The Licensee shall undertake the monitoring in Table 2.1.1 according to the specifications in that table.

Table 2.1.1: Monitoring of inputs and outputs				
Input/Output	Parameter	Units	Averaging period	Frequency
Waste Outputs	Wastes that are removed from the Premises	Tonnes	Annual	Each load received at the Meru Waste Disposal Facility weighbridge

3 Information

3.1 Records

3.1.1 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 3.1.1(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.

3.1.2 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.

3.2 Reporting

3.2.1 The Licensee shall submit to the CEO an Annual Environmental Report within 32 calendar days after the end of the annual period. The report shall contain the information listed in Table 3.2.1 in the format or form specified in that table.

Table 3.2.1: Annual Environmental Report		
Condition or table	Parameter	Format or form ¹



(if relevant)		
-	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
2.1.1	Annual tonnes of waste leaving the Premises	None specified
3.1.2	Compliance	Annual Audit Compliance Report (AACR)

Note 1: Forms are in Schedule 2

- 3.2.2 The Licensee shall ensure that the Annual Environmental Report also contains:
- management of liquid waste at the Premises;
 - the number and severity of any fires on site;
 - the measures taken to suppress dust;
 - the measures taken to control windblown waste;
 - the measures taken to control pest and vermin; and
 - the number and type of complaints received including complainants name, address, nature of complaint (where appropriate cross referenced with prevailing wind directions) and action taken.

3.3 Notification

- 3.3.1 The Licensee shall ensure that the parameters listed in Table 3.3.1 are notified to the CEO in accordance with the notification requirements of the table.

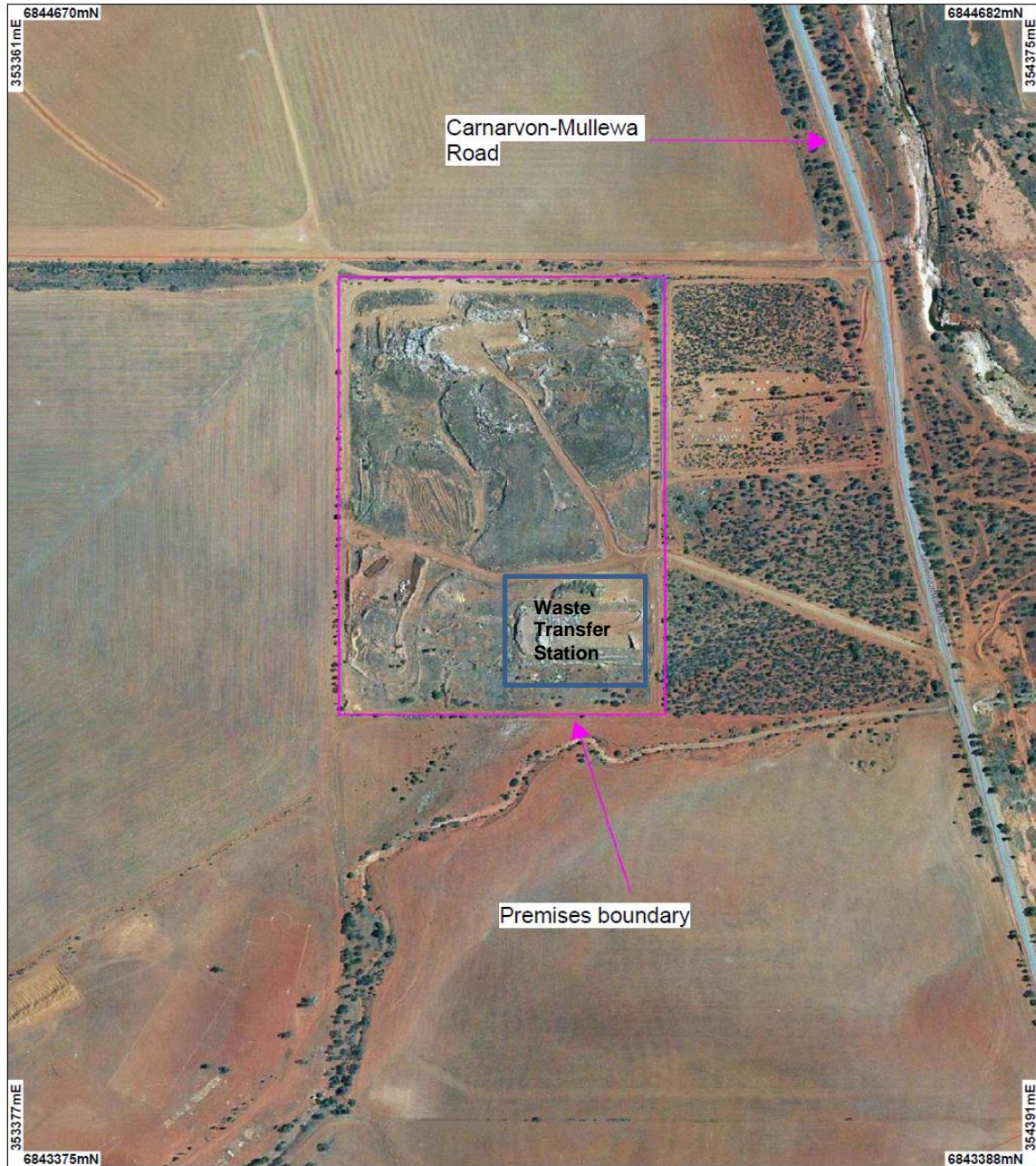
Table 3.3.1: Notification requirements			
Condition or table (if relevant)	Parameter	Notification requirement	Format or form
1.2.16	Waste transfer station	<p>Notify the CEO in writing within 14 days following the completion of the works for the waste transfer station as specified in condition 1.2.16.</p> <p>The written notification shall:</p> <ol style="list-style-type: none"> confirming that the works were constructed in accordance with condition 1.2.16 ; and be signed by a person authorised to represent the License Holder and contain the printed name and position of that person within the company. <p>Following submission of the written notification, the Licensee shall operate the waste transfer station in accordance with the conditions of this Licence.</p>	Not specified
-	Report any unauthorised fire	<p>Within 14 days of the fire and include:</p> <ol style="list-style-type: none"> details of the date, time and location of the fire; the time the fire was declared safe by the Fire Control Officer for the premises; and; the cause, or suspected cause, of the fire. 	None specified



Schedule 1: Maps

Premises map

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





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 <i>Corporations Act 2001</i> ; 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)



Decision Document

Environmental Protection Act 1986, Part V

Licensee: City of Greater Geraldton

Licence: L6913/1997/10

Registered office: 63 Cathedral Avenue
GERALDTON WA 6530

Premises address: Mullewa Waste Management Facility
Crown Reserve 12107, Carnarvon-Mullewa Road
MULLEWA WA 6630
Being Lot 58 on Plan 134427

Issue date: Thursday, 27 June 2013

Commencement date: Sunday, 7 July 2013

Expiry date: Wednesday, 6 July 2033

Decision

Based on the assessment detailed in this document the Department of Environment Regulation (DER), has decided to issue an amended Licence. DER considers that in reaching this decision, it has taken into account all relevant considerations.

Decision Document prepared by: Paul Anderson
A/Senior Licensing Officer

Decision Document authorised by: Steve Checker
Delegated Officer



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1 Purpose of this Document

This decision document explains how DER has assessed and determined the application and provides a record of DER's decision-making process and how relevant factors have been taken into account. Stakeholders should note that this document is limited to DER's assessment and decision making under Part V of the *Environmental Protection Act 1986*. Other approvals may be required for the proposal, and it is the proponent's responsibility to ensure they have all relevant approvals for their Premises.

2 Administrative summary

Administrative details		
Application type	Works Approval <input type="checkbox"/> New Licence <input type="checkbox"/> Licence amendment <input checked="" type="checkbox"/> Works Approval amendment <input type="checkbox"/>	
Activities that cause the premises to become prescribed premises	Category number(s)	Assessed design capacity
	62	5,000 tonnes per annum
	64	1,000 tonnes per annum
Application verified	Date: Not applicable	
Application fee paid	Date: Not applicable	
Works Approval has been complied with	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	
Compliance Certificate received	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	
Commercial-in-confidence claim	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Commercial-in-confidence claim outcome		
Is the proposal a Major Resource Project?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Was the proposal referred to the Environmental Protection Authority (EPA) under Part IV of the <i>Environmental Protection Act 1986</i> ?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Referral decision No: Managed under Part V <input type="checkbox"/> Assessed under Part IV <input type="checkbox"/>
Is the proposal subject to Ministerial Conditions?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Ministerial statement No:



		EPA Report No:
Does the proposal involve a discharge of waste into a designated area (as defined in section 57 of the <i>Environmental Protection Act 1986</i>)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Department of Water consulted Yes <input type="checkbox"/> No <input type="checkbox"/>
Is the Premises within an Environmental Protection Policy (EPP) Area	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
If Yes include details of which EPP(s) here.		
Is the Premises subject to any EPP requirements?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
If Yes, include details here, eg Site is subject to SO ₂ requirements of Kwinana EPP.		

3 Executive summary of proposal and assessment

The City of Greater Geraldton (CoGG) applied to DER on 10 December 2015 to have their *Environmental Protection Act 1987* Licence L6913/1997/10 amended to include the construction and operation of a waste transfer station at the Mullewa Waste Management Facility (MWMF). The MWMF is currently licensed as an *Environmental Protection Regulation 1987* category 64 premises which accepts Class II type wastes for burial.

The waste transfer station is expected to receive up to 5,000 tonnes annually of solid wastes for storage pending burial offsite. This capacity exceeds the *Environmental Protection Regulation 1987* category 62 design capacity threshold of 500 tonnes per year when a Licence is required for operation. Therefore Licence L6913/1997/10 has been amended by including category 62. As part of this Licence amendment process, the Licence has been converted into a new licensing format. An assessment of the risk for the waste transfer station is presented in Section 4 of this document.

The MWMF is situated on Crown Reserve 12107, Carnarvon-Mullewa Road, Mullewa and is located about 3 kilometres (km) north of the Mullewa town and 464 km north of Perth. The nearest residence is located 700 metres (m) to the south of the MWMF. The nearest surface water is the Wooderarrung River which is located 270 m away. The MWMF is not located within a Department of Water Public Drinking Water Resource Protection Area with the nearest being located 50 km away near the City of Geraldton. Historical records indicate groundwater in the area of the MWMF is approximately 6 m below ground level.

The MWMF currently receives approximately 1,000 tonnes per annum of solid wastes and a small volume (less than 100 tonnes per annum) of liquid (septage) waste from commercial operators. The City of Greater Geraldton operate a weekly verge bin collection service in the Town of Mullewa whereby household waste is collected and transported to Geraldton for burial. The solid wastes currently accepted at the MWMF are inert materials, general household waste (putrescible), used tyres, asbestos and greenwaste. Only general household waste (not collected by verge collection), asbestos and tyres are buried at the MWMF.

The proposed waste transfer station will be an uncovered light vehicle concrete hardstand area which utilises mobile bins for the collection of general household wastes which are not collected by the verge collection service. All collected waste is then transported off site for disposal at the Meru Waste Management Facility located 50 km away in Geraldton. The installation of the waste transfer station removes the requirement for the burial of putrescible wastes at the MWMF.



The waste transfer station will consist of two reinforced concrete hardstands, each 15 m by 4 m in size, with one of the hardstands located at the top of a 2 m high by 15 m long retaining wall with the other hardstand located at the base of the retaining wall where the roll-on, roll-off collection bins are located. The hardstand at the top of the retaining wall is where members of the public park their cars and deposit the waste over the edge of the retaining wall into the collection bins below. A 25 m by 25 m gravel hardstand will be constructed next to the upper concrete hardstand to allow members of the public to manoeuvre and reverse their vehicles. A gravel hard stand area will also be constructed next to the lower concrete hardstand for waste transfer trucks to manoeuvre, lay down waste bins and swap waste bins for the removal of waste from the waste transfer station.

All stormwater from the waste transfer station is graded toward existing drainage channels at the MWMF. The drainage channels are unlined 'v' drains that consist of grass seeded batters on either side with a slope no greater than a 1 in 4 gradient. Stormwater drainage under road ways is via precast concrete headwall and culvert structures. Rock armouring is placed around each inlet and outlet opening. All stormwater is contained within the Premises.

The construction of the waste transfer station and the operation of the existing MWMF are considered low risk to human health and to the environment. The Licence expiry date has been extended for a 20 year period from the date of commencement in accordance with DER Guidance Statement 'Licence Duration', May 2015.



4 Decision table

All applications are assessed in line with the *Environmental Protection Act 1986*, the *Environmental Protection Regulations 1987* and DER's Operational Procedure on Assessing Emissions and Discharges from Prescribed Premises. Where other references have been used in making the decision they are detailed in the decision document.

DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L = Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
Premises operation	L1.2.1 to 1.2.15 and 2.3.1	<p>Operation of Premises Descriptive limits have been applied in the Licence and therefore condition 1.2.1 regarding recording and investigation of exceedances of limits has been included.</p> <p>Condition 1.2.2 replaces condition G1 from the previous Licence version.</p> <p>Condition 1.2.3 is a new condition which requires the Licensee to segregate wastes that do not meet the acceptance criteria in condition 1.2.2, and remove those waste to an authorised facility as soon as practicable.</p> <p>Condition 1.2.4 replaces condition G3(i) to (iii), G3(viii) and W2(a) from the previous Licence version. Following the completion of the waste transfer station, all putrescible wastes will be collected in mobile bins for transport offsite to another licenced facility. This has been established as a process limit for putrescible wastes.</p> <p>Process limits for the storage of greenwaste have been established through condition 1.2.4. The limits have been included in the Licence amendment to manage fire risk from the storage of greenwaste.</p> <p>A maximum of 100 used tyres can be stored at the Premises (no category 57 on the Licence), therefore this limit has been included through condition 1.2.4.</p> <p>Asbestos is permitted to be accepted and buried at the Premises. Additional asbestos disposal limits have been included through condition 1.2.4.</p>	<p>Application supporting documentation</p> <p><i>Environmental Protection Act 1986.</i></p> <p><i>Environmental Protection (Unauthorised Discharges) Regulation 2004</i></p>



DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L= Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
		<p>Condition 1.2.5 replaces condition G2(a), G2(b), G3(iv) to (vii) from the previous Licence version. Covering requirements for putrescible wastes has not been applied to this Licence amendment because putrescible wastes are no longer buried at the Premises.</p> <p>Condition G2(c) from the previous Licence version has been carried over into this Licence amendment as a new condition 1.2.6.</p> <p>Condition G2(d) from the previous Licence version has been carried over into this Licence amendment as a new condition 1.2.7.</p> <p>Condition 1.2.8 replaces condition G4(a) from the previous Licence version.</p> <p>Condition 1.2.9 replaces condition G4(b) and (c) from the previous Licence version.</p> <p>Condition 1.2.10 replaces condition G5 from the previous Licence version.</p> <p>Condition A2(a) from the previous Licence version has been carried over into this Licence amendment as a new condition 1.2.11.</p> <p>Condition A2(b) from the previous Licence version has been carried over into this Licence amendment as a new condition 1.2.12.</p> <p>Condition A2(c) from the previous Licence version has been carried over into this Licence amendment as a new condition 1.2.13.</p> <p>Condition A2(d) from the previous Licence version has been carried over into this Licence amendment as a new condition 1.2.14.</p>	



DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L= Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
		<p>Condition W2(b), which relates to a minimum separation distance of at least 100 metres is maintained between the disposal areas at the Premises and any surface water body, has not been carried over into this Licence amendment as the nearest surface water body is 270 metres away.</p> <p>Conditions W1(a), (b) and (c), which relate to stormwater management at the Premises, have been replaced by new condition 1.2.15 which requires the Licensee to maintain all access roads and drainage channels at the Premises to ensure that uncontaminated stormwater runoff does not come into contact with wastes. All stormwater is contained within the Premises boundary within the existing drainage channels. All stormwater from the waste transfer station will be graded toward existing drainage channels at the MWMF. The drainage channels are unlined 'v' drains that consist of grass seeded batters on either side with a slope no greater than a 1 in 4 gradient. Stormwater drainage under road ways is via precast concrete headwall and culvert structures. Rock armoring is placed around each inlet and outlet opening.</p> <p>Condition 1.2.16 has been included in this Licence amendment as a new condition which requires the Licensee to construct the waste transfer station in accordance with the submitted documentation.</p>	
Fugitive emissions	Not applicable	<p>Construction of transfer station <u>Emission description</u> <i>Emission:</i> Potential dust emissions from site preparation works and vehicle movement. <i>Impact:</i> Fugitive dust emissions can impact on local air quality. Fugitive dust emissions can also adversely impact on adjacent vegetation including any agricultural crops grown on land adjacent to the premises. Ambient dust levels in this area are natural high. <i>Controls:</i> Contractor is required to submit a dust management plan to the CoGG 7 days prior to commencement of construction of the transfer station. Nearest resident is 700 m away.</p>	General provisions of the <i>Environmental Protection Act 1986</i> .



DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L= Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
		<p><u>Risk Assessment</u> <i>Consequence:</i> Insignificant <i>Likelihood:</i> Unlikely <i>Risk rating:</i> Low</p> <p><u>Regulatory controls</u> DER considers that fugitive dust emissions during the construction phase can be sufficiently regulated under section 49 of the <i>Environmental Protection Act 1986</i>. No specified conditions for fugitive emissions have therefore been included.</p> <p><u>Residual risk</u> <i>Consequence:</i> Insignificant <i>Likelihood:</i> Unlikely <i>Risk rating:</i> Low</p> <p>Operation of Premises Condition A1 from the previous Licence version, which related to fugitive dust emissions, has not been carried over into this Licence amendment as dust emissions can be sufficiently regulated under section 49 of the <i>Environmental Protection Act 1986</i>.</p>	
Noise		<p>Construction of transfer station <u>Emission description</u> <i>Emission:</i> Noise emissions during construction typically arise from vehicles on the premises undertaking earthworks. Noise from vehicles can include reversing beepers. <i>Impact:</i> Nuisance noise to nearby residences. <i>Controls:</i> Restricting the hours of the construction activities from 7am to 7pm Monday to Friday. Nearest resident is 700 m away.</p> <p><u>Risk assessment</u></p>	<i>Environmental Protection (Noise) Regulations 1997</i> apply.



DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L= Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
		<p><i>Consequence:</i> Insignificant <i>Likelihood:</i> Unlikely <i>Risk Rating:</i> Low</p> <p><u>Regulatory controls</u> No specific conditions are required in the Licence amendment. The <i>Environmental Protection (Noise) Regulations 1997</i> apply.</p> <p><u>Residual risk</u> <i>Emission:</i> Insignificant <i>Impact:</i> Unlikely <i>Controls:</i> Low</p> <p>Operation of Premises Conditions in relation to noise emissions were not previously applied and have not been applied to this Licence amendment. The <i>Environmental Protection (Noise) Regulations 1997</i> apply.</p>	
Odour	Not applicable	<p>Operation of Premises <u>Emission description</u> <i>Emission:</i> Odour emissions from the storage of putrescible waste at the transfer station. Odours from previous landfilled areas. <i>Impact:</i> Nuisance odours to nearby residences. <i>Controls:</i> The nearest resident is 700 m away. Prevailing wind direction is away from the town of Mullewa. Putrescible wastes will no longer be buried at the Premises. Existing landfilled putrescible wastes have been covered.</p> <p><u>Risk assessment</u> <i>Consequence:</i> Insignificant <i>Likelihood:</i> Unlikely <i>Risk Rating:</i> Low</p>	General provisions of the <i>Environmental Protection Act 1986</i> .



DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L= Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
		<p><u>Regulatory controls</u> Condition 1.2.4 has been included in this Licence amendment requiring the Licensee to remove the transfer station bins no later than 7 days following acceptance of waste, and putrescible wastes are no longer accepted for burial, only transfer. Odour emissions can be sufficiently regulated under section 49 of the <i>Environmental Protection Act 1986</i>.</p> <p><u>Residual risk</u> <i>Emission:</i> Insignificant <i>Impact:</i> Unlikely <i>Controls:</i> Low</p>	
Monitoring of inputs and outputs	L2.1.1	<p>Operation of Premises Condition 2.1.1 has been included in this Licence amendment as a new condition which requires the Licensee to record the tonnes of waste that is removed from the Premises and sent to the Meru Waste Disposal Facility for disposal. The recording of weight occurs at the Meru Waste Disposal Facility because the Premises has no mechanisms for recording weight.</p>	Not applicable
Information	L3.1.1 to L3.1.2, L3.2.1 to L3.2.2, and L3.3.1	<p>Operation of Premises The requirement for general record keeping has been applied through new condition 3.1.1.</p> <p>Condition 3.1.2 replaces condition G6 from the previous Licence version.</p> <p>Condition 3.2.1 replaces condition G7(a) from the previous Licence version.</p> <p>Condition 3.2.2 replaces condition G7(b) from the previous Licence version.</p> <p>Condition 3.3.1 has been included as a new condition which requires the Licensee to notify the CEO in writing within 14 days following the completion of the waste transfer station.</p>	Not applicable



DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L= Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
		Condition A2(e) from the previous Licence version has been carried over into this Licence amendment as condition 3.3.1.	
Licence Duration	Not applicable	<p>The current Licence expires on the 6 July 2018. The Premises is considered a low risk site with no history of complaints and only minor items identified during inspections conducted by DER.</p> <p>Additionally, it is considered that this Licence amendment to include the waste transfer station so putrescible wastes are no longer buried at the Premises will reduce the level of risk to human health and the environment. Therefore in accordance with DER Guidance Statement 'Licence Duration', May 2015, the Licence expiry has been extended for a 20 year period from the date of commencement. The new expiry date will be 6 July 2033.</p>	Not applicable



5 Advertisement and consultation table

Date	Event	Comments received/Notes	How comments were taken into consideration
15/01/2016	Proponent sent a copy of draft instrument	<p>Comments received 19/1/2016 via email.</p> <p><i>1.2.1 The licensee shall record and investigate the exceedance of any descriptive or numerical limit in this section. Regarding the numerical limit in particular, does the quantifying of these come from data obtained using the Meru Waste Disposal Facility (MWDF) Weighbridge for example?</i></p> <p><i>Table 1.2.3 Cover Requirements: 100mm of cover Prior to the number of whole tyres to be disposal reaching 100. We are proposing to use 15m³ hook-lift skip bins or 6m³ front lift bins to store our used tyres prior to transport back to the MWDF. Would that suffice – Instead of placing a covering of dirt over the tyres?</i></p> <p><i>1.2.12(f) – It would be difficult to adhere specifically to the 0800 and 1200 hrs start-end times. Would it be possible to state the hours of dawn and dusk; in order to take into account the amount of light and other environmental factors depending upon the season?</i></p>	<p>Explanation provided. No change required in Licence.</p> <p>Proposed storage method agreed. Cover requirements still retained if the City wish to bury tyres onsite. The 100 tyre storage limit still applies. If the City need to store more than 100 tyres onsite (in bins), they will also need 'category 56: used tyre storage' added to the Licence. No change required in Licence.</p> <p>The City has agreed (confirmation email dated 1/2/2016) that this condition can stay as proposed and they will apply at a later date to have their Licence amended to change the hours. The City will complete their Management Plan for the Premises, which includes procedures for the burning of greenwaste, prior to the submission of a Licence amendment application.</p>



Date	Event	Comments received/Notes	How comments were taken into consideration
		<p><i>Table 2.1.1 Monitoring of Inputs and Outputs – Instead of using an estimated average monthly volume received at the premises, would it possible to report using the MWDF weighbridge data (in tonnages) when waste comes back to Geraldton?</i></p>	<p>Proposed Licence condition has been amended by:</p> <ul style="list-style-type: none">• removing the requirement for the recording of volumes of waste received at the Premises because it is unmanned and most waste is no longer buried at the Premises; and• requiring the Licensee to record the tonnes of waste that is removed from the Premises and sent to the Meru Waste Disposal Facility for disposal.



6 Risk Assessment

Note: This matrix is taken from the DER Corporate Policy Statement No. 07 - Operational Risk Management

Table 1: Emissions Risk Matrix

Likelihood	Consequence				
	Insignificant	Minor	Moderate	Major	Severe
Almost Certain	Moderate	High	High	Extreme	Extreme
Likely	Moderate	Moderate	High	High	Extreme
Possible	Low	Moderate	Moderate	High	Extreme
Unlikely	Low	Moderate	Moderate	Moderate	High
Rare	Low	Low	Moderate	Moderate	High