



Licence

Environmental Protection Act 1986, Part V

Licensee: City of Karratha

Licence: L7021/1997/15

Registered office: City of Karratha
Welcome Road
KARRATHA WA 6714

Premises address: Seven Mile Waste Disposal Facility
Seven Mile Road
GAP RIDGE WA 6714
Being Lot 85 on Plan 180017 and Lot 552 on Plan 71049
As depicted in Schedule 1.

Issue date: Thursday, 11 June 2015

Commencement date: Sunday, 21 June 2015

Expiry date: Saturday, 20 June 2020

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	174 000 tyres
61	Liquid waste facility: premises on which liquid waste produced on other premises (other than sewerage waste) is stored, reprocessed, treated or irrigated	100 tonnes or more per year	116 500 tonnes per annual period
62	Solid waste depot: premises on which waste is stored, or sorted, pending final disposal or re-use	500 tonnes or more per year	20 000 tonnes per annual period
64	Class II or Class III 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 CEO and as amended from time to time) is accepted for burial	20 tonnes or more per year	100 000 tonnes per annual period

Conditions

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

Date signed: 3 December 2015

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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 Seven Mile Waste Disposal Facility (the Landfill) is operated by the City of Karratha. The Landfill is located approximately 8km west-south west of the town of Karratha. Baynton West, a residential area, is 3.2km away and the Gap Ridge Industrial Estate is 2km north of the Landfill.

The Landfill is approximately 100ha in size and has been in operation since 1997. It receives an estimated 100,000 tonnes per annum of Clean Fill, Inert Waste Type 1 and 2, Putrescible Waste, Special Waste Type 1 and 2, Quarantine Waste, Green Waste, and Contaminated Solid Waste (meeting the requirements of a Class I or II landfill). Both residential and commercial waste is received at the facility.

The premises currently consists of:

- Waste transfer Station;
- Unlined Class II landfill;
- Tyre disposal area;
- Construction and demolition (C&D) waste stockpile area;
- Borrow pit;
- Liquid waste ponds;
- Hazardous waste disposal area; and
- Bulk metal area.

The main emissions from the site are dust, odour, windblown waste and hydrocarbon spills.

2015 Amendment

This Licence amendment has been initiated by DER to change condition 4.2.1 relating to the Annual Environmental Report (AER). The previous Licence required the City of Karratha to provide documentation that demonstrates acceptance criteria for class II landfills (condition 1.3.1). This AER requirement is not consistent with other AER conditions for Category 64 landfills across the State. As such, the requirement to provide such information in the AER has been removed. The City of Karratha are still required to maintain such information as this will be required to ensure compliance with the licence. DER has also used this amendment to incorporate other minor changes in accordance with current licensing procedure.

The licences and works approvals issued for the Premises since 26 July 2000 are:

Instrument Log		
Instrument	Issued	Description
L7021/1997/1 – L7021/1997/3	Previous archived licences.	
L7021/1997/4	26 July 2000	Licence re-issue – First licence noted in Industry Licensing System.
L7021/1997/5	20 June 2001	Licence re-issue
L7021/1997/6	20 June 2002	Licence re-issue
L7021/1997/7	20 June 2003	Licence re-issue



L7021/1997/8	20 June 2004	Licence re-issue
L7021/1997/9	20 June 2005	Licence re-issue
L7021/1997/10	20 June 2006	Licence re-issue
L7021/1997/11	20 June 2007	Licence re-issue
L7021/1997/12	20 June 2008	Licence re-issue
L7021/1997/13	20 June 2009	Licence re-issue
L7021/1997/14	20 June 2012	Licence re-issue
L7021/1997/14	23 August 2013	Licence amendment for two evaporation ponds
L7021/1997/14	30 October 2014	Licence amendment for addition of category 62 and conversion to REFIRE
L7021/1997/15	11 June 2015	Licence reissue
L7021/1997/15	3 December 2015	Licence amendment to change condition 4.2.1 to align with Annual Environmental Report requirements.

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 Definitions;

'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*;

'AHD' means the Australian Height Datum;

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

'AQIS' means Australian Quarantine and Inspection Service;

'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 two or more of those;

'AS/NZS 5667.1' means the current version of 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 current version of 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;

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

'CEO' means 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

'Clean Fill' has the meaning defined in Landfill Definitions;

'Contaminated Solid Waste' has the meaning defined in Landfill Definitions;

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

'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;



'environmentally hazardous material' means material (either solid or liquid raw materials, materials in, 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 the process of manufacture, manufactured products, products used in the manufacturing process 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;

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

'green waste' means waste that originates from flora;

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

'Hazardous Waste' has the meaning defined in Landfill Definitions;

'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 and Conservation as amended from time to time;

'Licence' means this Licence numbered L7021/1997/15 and issued under the Act;

'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 accredited' means the submission of a sample to a laboratory which is NATA accredited for the analysis specified 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 Waste' has the meaning defined in Landfill Waste 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;

'quarterly period' means the 4 inclusive periods from 1 January to 31 March, 1 April to 30 June, 1 July to 30 September and 1 October to 31 December;

'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 Definitions;

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



'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;

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

'Waste Code' means the Waste Code assigned to a type of controlled waste for purposes of waste tracking and reporting as specified in the Department of Environment Regulation "Controlled Waste Category List" (July 2014), 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 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 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.
- 1.1.5 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 General conditions

- 1.2.1 The Licensee shall immediately recover, or remove and dispose of spills (outside of an engineered containment system) of hydrocarbons, septage, sewage, grease trap waste, industrial wash waters, paint, biomedical/clinical wastes, leachate, acids, bases or chemicals associated with the disposal or handling of waste onsite.
- 1.2.2 The licensee shall ensure that stormwater within the premises is adequately managed so that it is diverted from areas of the premises where there is waste.

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; and
 - (c) it meets any specification listed in Table 1.3.1.

Waste	Waste Code	Quantity Limit	Specification ¹
Clean Fill	N/A	Combined total limit of 120 000 tonnes per annual period	None specified.
Contaminated Solid Waste	N/A		Must meet the acceptance criteria for Class II landfill.
Inert Waste Type 1	N/A		None specified.
Inert Waste Type 2	T140 (used tyres)		Tyres and plastic only.
Putrescible Waste (including green waste)	N/A		None specified.
Solid Hazardous Waste	B100, D220, D221, N100 N160		Limited to acids in solid form, lead and lead compounds, used lead acid batteries, engine oil filters, aerosol



			cans, empty drums and Quarantine Waste.
Liquid Hazardous Waste	J100, J170, L100, L150 N205		Limited to waste oil, oily wastes (e.g. from oil filters), industrial wash waters.
Special Waste Type 1	N220		Cement bonded asbestos only. No fibrous asbestos shall be accepted.
Special Waste Type 2	R100, R120, R130, R140		Biomedical / clinical waste that is not radioactive ² .
Liquid waste (Septage waste, Sewerage waste, waste from grease traps)	K110, K130, K210	Combined total limit of 116 500 tonnes per annual period	Biological waste (septage and grease trap waste only). Tankered into the premises and discharged in one of the three receiving ponds.

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*.

Note 2: Information relating to the classification of radioactive waste can be found in the *Western Australian Radiation Safety Act 1975*.

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 processes set out in Table 1.3.2 and in accordance with any process limits described in that Table.

Table 1.3.2: Waste processing		
Waste type(s)	Process	Process limits ^{1,2}
All	Disposal of waste by landfilling	<ul style="list-style-type: none"> • Shall only take place within designated landfill trenches or cells; • No waste shall be temporarily stored or landfilled within 35m from the boundary of the premises; and • The separation distance between the base of the landfill and the highest groundwater level shall not be less than 3m.
Clean Fill		None specified.
Contaminated Solid Waste	Receipt, handling and disposal by landfilling (solid hazardous wastes only)	None Specified.
Liquid and Solid Hazardous Wastes	Receipt handling and storage prior to disposal offsite (liquid hazardous waste)	<p><u>Acceptance of Quarantine Waste</u></p> <ul style="list-style-type: none"> • DrumMuster products must be triple rinsed prior to acceptance on the premises; and • Waste oil, paint, vehicle batteries must be stored in a fully enclosed bunded area/container. <ul style="list-style-type: none"> • complete and sign the original waste transport certificate, noting in writing, any discrepancies between waste declared and waste received; • ensure quarantine waste is buried in accordance with the AQIS; • keep a log of quarantine waste accepted at the premises including, but not limited to transport details, waste generator, waste description and volume, time and date of burial and in the case of deep burials, location of the burial site indicated by GPS co-ordinates and burial depth;



Table 1.3.2: Waste processing		
Waste type(s)	Process	Process limits ^{1,2}
		<ul style="list-style-type: none"> ensure that the disposal areas are not excavated or uncovered during subsequent landfill operations; restrict access to the landfill area where quarantine waste is buried to authorised personnel only during disposal; and make information available for viewing or copying by a DER officer during any inspection of the premises.
Inert Waste Type 1		None specified.
Inert Waste Type 2 - Tyres	Receipt, handling, storage prior to re-use or disposal by landfilling	Refer to conditions 1.3.13 – 1.3.16.
Putrescible Waste	Receipt, handling and storage prior to disposal	None specified.
	Disposal by Burning	<p>Only green waste is to be burnt on site. Green waste shall only be burnt if;</p> <ul style="list-style-type: none"> It has been dried and seasoned for at least 2 months before burning; it takes place in a designated burning area at least 25m from the boundary of any active disposal areas; it takes place in trenches or windrows; it takes place only when an adequate supply of water is available to effectively manage the burning process; and it is free of any contaminant.
Special Waste Type 1 (asbestos waste)	Receipt, handling and disposal by landfilling	<ul style="list-style-type: none"> Only to be disposed of into a designated asbestos disposal area within the landfill; Not to be deposited within 2m of the final tipping surface of the landfill; and No works shall be carried out on the landfill that could lead to a release of asbestos fibres.
Special Waste Type 2 (Biomedical and Clinical Waste)		<ul style="list-style-type: none"> Only to be disposed of into a designated biomedical waste disposal area within the landfill; Not to be deposited within 2m of the final tipping surface of the landfill; and No works shall be carried out on the landfill that could lead to biomedical wastes being excavated or uncovered.
Liquid waste (Septage waste, Sewerage waste, waste from grease traps)	Physical, biological and chemical treatment	<ul style="list-style-type: none"> pH to be maintained at 6.5 to 9.

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 manage the landfilling activities to ensure:



- (a) the size of the tipping face is kept to a minimum and not larger than 30m in length and 2m in height;
- (b) waste is levelled and compacted to ensure all faces are stable and capable of retaining rehabilitation material; and
- (c) rehabilitation of a cell or phase takes place within 6 months after disposal in that cell or phase has been completed.

1.3.5 The Licensee shall ensure that cover is applied to waste in accordance with Table 1.3.3 and that sufficient stockpiles of cover are maintained on site at all times.

Table 1.3.3: Cover requirements			
Waste Type	Material	Depth	Timescales
Inert Waste Type 2	Inert Waste Type 1 or soil	100mm	As soon as practicable after deposit
Putrescible Wastes	Inert Waste Type 1, soil or clay	150mm	As soon as practicable and not later than the end of the working day
	Inert Waste Type 1, soil, or clay	1,000mm	Within 3 months of achieving final waste contours
Special Waste Type 1	Inert Waste Type 1 or clean fill	300mm	As soon as practicable and not later than the end of the working day after deposit.
	Solid waste or soil	1,000mm	As soon as practicable after deposit
Special Waste Type 2	Inert Waste Type 1 or clean fill	300mm	As soon as practicable and not later than the end of the working day after deposit and prior to compaction
	Solid waste or soil	1,000mm	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*.

- 1.3.6 The Licensee shall implement the following security measures at the site:
- (a) erect and maintain suitable fencing to prevent unauthorised access to the site;
 - (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.

- 1.3.7 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;
 - (c) a warning indicating penalties for people lighting fires; and
 - (d) list of materials accepted for recycling and the location of where they can be deposited on the premises.

1.3.8 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.

1.3.9 The Licensee shall ensure fire fighting equipment stored on site is capable of controlling and extinguishing a tyre fire.

1.3.10 The Licensee shall ensure that water and other liquid waste that may result from fire fighting on the Premises is captured and contained within the Premises.

1.3.11 The Licensee shall ensure that any fire water is removed from the Premises by a carrier licensed under the *Environmental Protection (Controlled Waste) Regulations 2004*.

1.3.12 The Licensee shall ensure that an unauthorised fire on the Premises is extinguished as soon as possible.



- 1.3.13 The Licensee shall ensure that all tyres are stacked on their side walls or if stored on their treads, are baled with a non-combustible securing device.
- 1.3.14 The Licensee shall ensure that tyres are only stacked on level ground at the Premises.
- 1.3.15 The Licensee shall ensure that tyre storage complies with the following:
 - (a) each stockpile is located at a minimum of 6m from any fence, combustible material or wall;
 - (b) each stockpile is a maximum of 100m² in area; and
 - (c) each stockpile is a maximum of 3m in height.
- 1.3.16 The Licensee shall ensure that tyre stacks at the Premises do not obscure fire protection equipment (including fire hydrants and fire hoses) or related signage.
- 1.3.17 The Licensee shall ensure that waste material is only stored and/or treated within vessels or compounds provided with the infrastructure detailed in Table 1.3.4.

Table 1.3.4: Containment infrastructure

Vessel or compound	Material	Requirements
Pond 1 (Aerated Receiving Pond)	Wastewater	Clay lined to achieve a permeability of 10 ⁻⁹ m/s or less (or equivalent)
Pond 2 (Aerated Receiving Pond)	Wastewater	Clay lined to achieve a permeability of 10 ⁻⁹ m/s or less (or equivalent)
Pond 3 (Aerated Receiving Pond)	Wastewater	Clay lined to achieve a permeability of 10 ⁻⁹ m/s or less (or equivalent)
Pond 4 (Sedimentation Pond)	Treated Wastewater	Clay lined to achieve a permeability of 10 ⁻⁹ m/s or less (or equivalent)
Ponds 5, 6 & 7 (Evaporation/infiltration ponds)	Treated wastewater	HDPE lined to achieve a permeability of 10 ⁻⁹ m/s or less (or equivalent)

- 1.3.18 The Licensee shall manage all wastewater treatment and evaporation ponds such that:
 - (a) overtopping of the ponds does not occur;
 - (b) a freeboard equal to, or greater than, 500mm is maintained;
 - (c) the integrity of the containment infrastructure is maintained;
 - (d) trapped overflows are maintained on the outlet of ponds to prevent carry-over of surface floating matter; and
 - (e) vegetation and floating debris (emergent or otherwise) is prevented from encroaching onto pond surfaces or inner pond embankments.
- 1.3.19 The Licensee shall undertake activities on the Premises in accordance with the City of Karratha Environmental Management Plan – 7 Mile Waste Disposal Facility.

2 Monitoring

2.1 General monitoring

- 2.1.1 The licensee shall ensure that:
 - (a) all water samples are collected and preserved in accordance with AS/NZS 5667.1, with the exception of holding times where these are not achievable;
 - (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 unless indicated otherwise in the relevant table.

2.1.2 The Licensee shall ensure that quarterly monitoring is undertaken at least 45 days apart.

2.1.3 The Licensee shall have all monitoring equipment referred to in any condition of the Licence calibrated in accordance with the manufacturer's specifications.

2.1.4 The Licensee shall, where the requirements for calibration cannot be practicably met, or a discrepancy exists in the interpretation of the requirements, bring these issues to the attention of the CEO accompanied with a report comprising details of any modifications to the methods.

2.2 Monitoring of inputs and outputs

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

Table 2.2.1 Monitoring of inputs and outputs				
Input/Output	Parameter	Units	Averaging Period	Frequency
Waste inputs	Clean Fill, Contaminated Solid Waste, Liquid Hazardous Waste, Solid Hazardous Wastes Inert Waste Type 1, Inert Waste Type 2, Putrescible Waste, Green Waste, Special Waste Type 1, Special Waste Type 2 and Liquid Waste	Tonnes	N/A	Each load arriving at the Premises
Waste outputs	Waste type as defined in the Landfill Definitions			Each load leaving or rejected from the Premises

2.3 Ambient environmental quality monitoring

2.3.1 The Licensee shall undertake the monitoring in Table 3.8.1 according to the specifications in that table.

Table 2.3.1: Monitoring of ambient groundwater quality



Monitoring point reference and location	Parameter	Units	Averaging period	Frequency
BH 1 - 8	pH ¹	pH units	Spot sample	Quarterly
	Electrical conductivity	µS/cm		
	Standing water level (SWL) ²	m AHD (and m bgl)		
	Biochemical oxygen demand	mg/L		
	Reactive phosphorus			
	Total phosphorus			
	Chloride			
	Total recoverable hydrocarbons			
	Total Nitrogen			
	Nitrate- nitrogen			
	Ammonia-nitrogen			
	Hexavalent chromium			
	Total chromium			
	Cadmium			
	Cobalt			
	Copper			
	Mercury			
	Molybdenum			
Nickel				
Lead				
Zinc				

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

Note 2: SWL shall be determined prior to collection of other water samples.



3 Information

3.1 Records

- 3.1.1 All information and records required by the Licence shall:
- (a) be legible; and
 - (b) if amended, be amended in such a way that the original and subsequent amendments remain legible or are capable of retrieval; and
 - (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.
- 3.1.2 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.
- 3.1.3 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.
- 3.1.4 The Licensee shall implement a complaints management system that as a minimum records the number and details of complaints received concerning the environmental impact of the activities undertaken at the Premises and any action taken in response to the complaint.
- 3.1.5 The Licensee shall maintain a register of Special Waste Type 1 (asbestos waste) and Special Waste Type 2 (biomedical and clinical waste) disposed of at the Premises which shall include a plan showing the position of Special Waste Type 1 (asbestos waste) and Special Waste Type 2 (biomedical and clinical waste) disposed of at the Premises.

3.2 Reporting

- 3.2.1 The Licensee shall submit to the CEO 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 3.2.1: Annual Environmental Report		
Condition or table (if relevant)	Parameter	Format or form¹
Table 2.2.1	Monitoring of inputs and outputs	Tabular form
Table 2.3.1	Monitoring of ambient groundwater quality	Tabular form
-	Summary of any failure or malfunction of any pollution control equipment and any incidents that have occurred during the annual period and any action taken	None specified
3.1.3	Compliance	Annual Audit Compliance Report (AACR)
3.1.4	Complaints summary	None specified

Note 1: Forms are in Schedule 2



- 3.2.2 The Licensee shall ensure that the Annual Environmental Report also contains:
- (a) an assessment of the information contained within the report against previous monitoring results and Licence limits and/or targets; and
 - (b) 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.

3.3 Notification

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

Table 3.3.1: Notification requirements			
Condition or table (if relevant)	Parameter	Notification requirement¹	Format or form²
1.3.12	Unauthorised fire	Within 14 days of unauthorised fire	ET1
2.1.1	Breach of any limit specified in the Licence	Part A: As soon as practicable but no later than 5pm of the next usual working day. Part B: As soon as practicable	N1
-	Any failure or malfunction of any pollution control equipment or any incident, which has caused, is causing or may cause pollution		

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

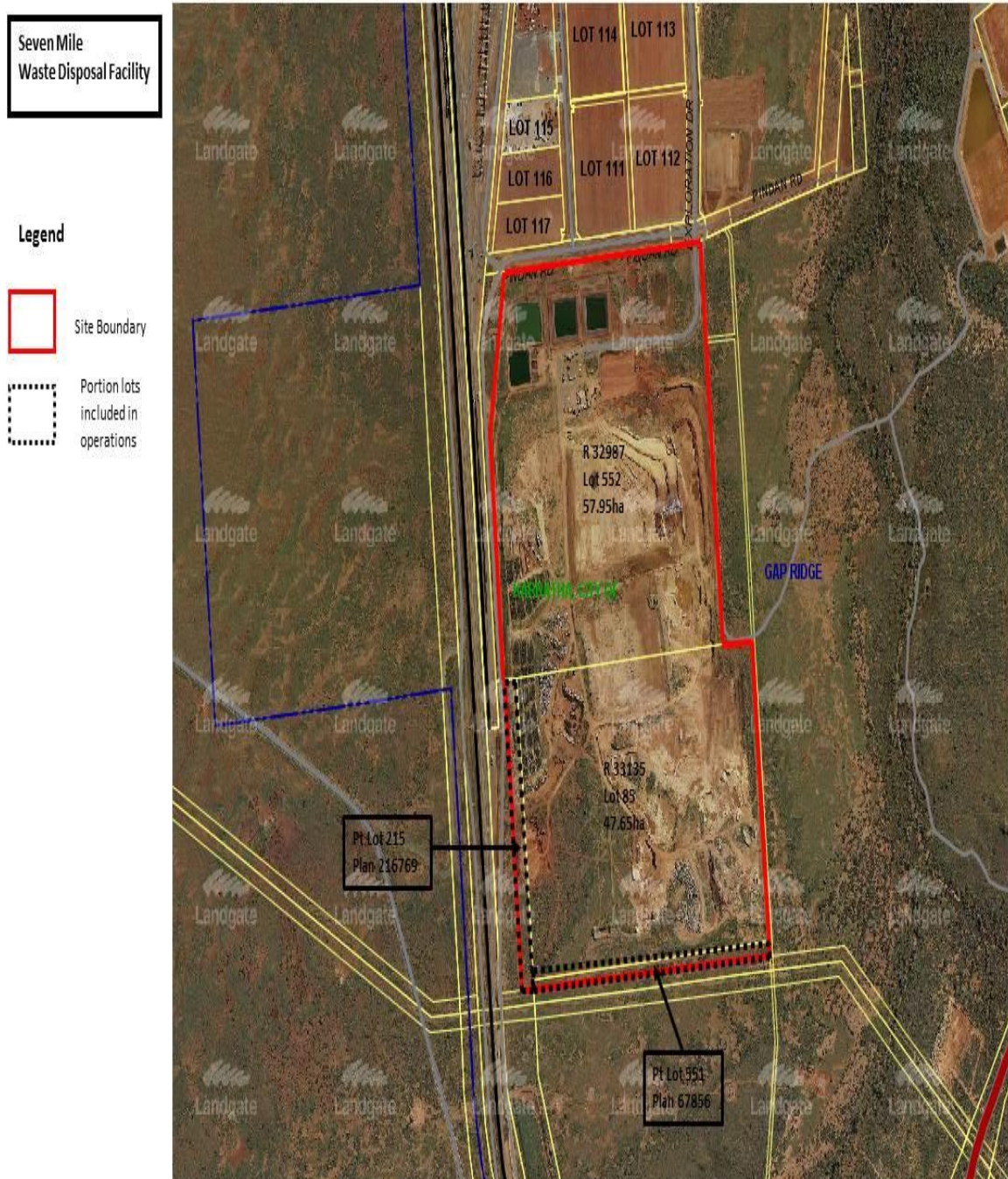
Note 2: Forms are in Schedule 2



Schedule 1: Maps

Premises Map

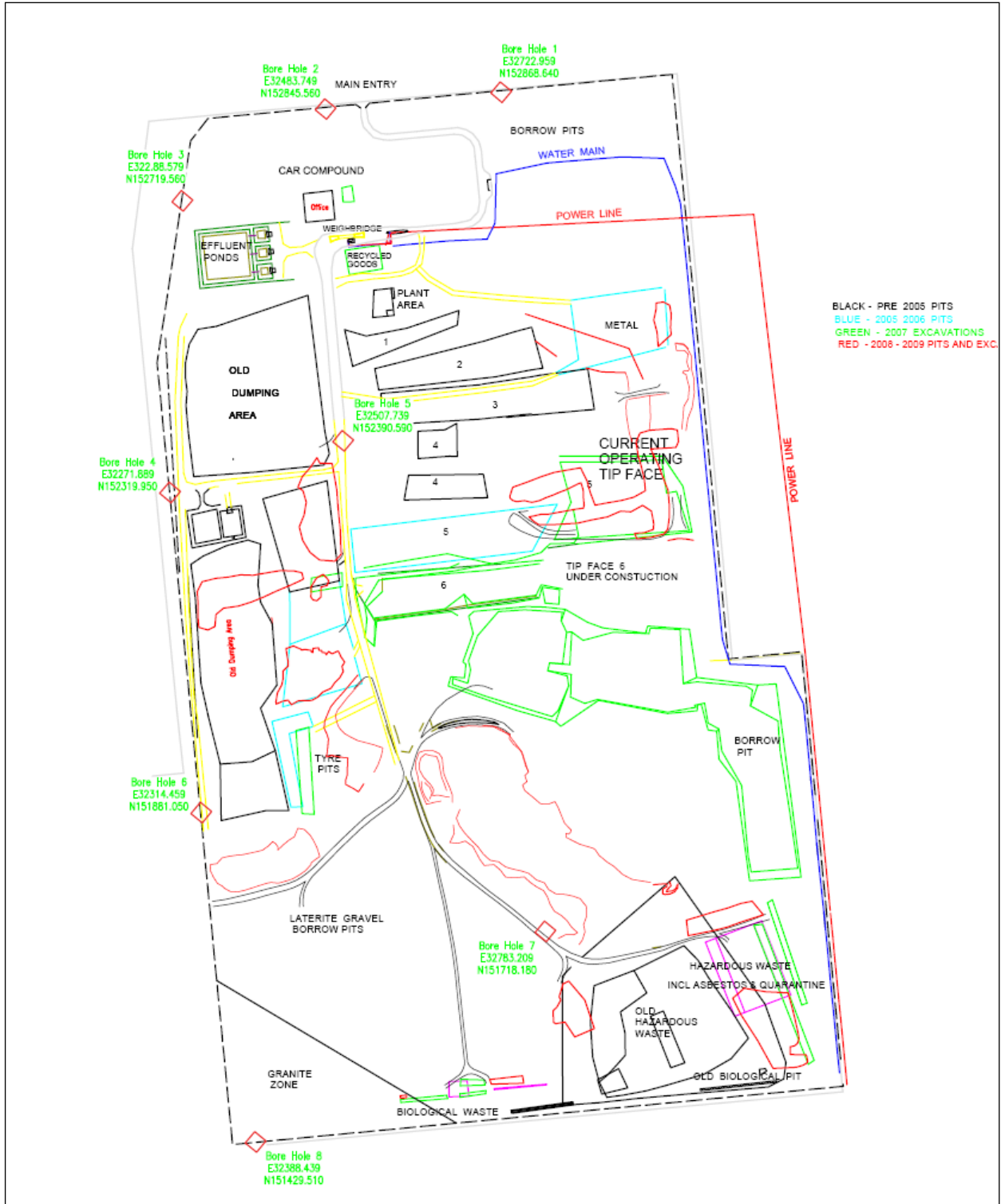
The Premises is shown in the map below. The red line depicts the Premises boundary.





Map of monitoring locations

The locations of the monitoring points defined in Table 2.3.1 are shown below. The red squares depict the groundwater monitoring bore locations.





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) must 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"/>	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

_____/_____/____



Licence: L7021/1997/14
 Form: N1

Licensee: City of Karratha
 Date of breach:

Notification of detection of the breach of a limit

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

Part A

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

Notification requirements for the breach of a limit

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

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.	



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Name	
Post	
Signature on behalf of City of Karratha	
Date	



Licence: L7201/1997/14
Form: ET1
Name: Unauthorised Fire

Licensee: City of Karratha
Period:

Form ET1: Unauthorised Fire

Please provide details of unauthorised fire on the premises, including but not limited to:

- (a) details of the date, time and location of the fire;
- (b) the time the fire was declared safe by the Fire Control Officer for the premises;
- (c) the cause, or suspected cause, of the fire; and
- (d) a description measures taken or planned to be taken, to prevent recurrence of the unauthorised fires.

Signed on behalf of City of Karratha Date:



Decision Document

Environmental Protection Act 1986, Part V

Proponent: City of Karratha

Licence: L7021/1997/15

Registered office: City of Karratha
Welcome Road
KARRATHA WA 6714

Premises address: Seven Mile Waste Disposal Facility
Seven Mile Road
GAP RIDGE WA 6714
Being Lot 85 on Plan 180017 and Lot 552 on Plan 71049

Issue date: Thursday, 11 June 2015

Commencement date: Sunday, 21 June 2015

Expiry date: Saturday, 20 June 2020

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 and legal requirements and that the Licence and its conditions will ensure that an appropriate level of environmental protection is provided.

Decision Document prepared by: Chris Slavin
Licensing Officer

Decision Document authorised by: Steve Checker
Manager Licensing



Contents

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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
	57	174 000 used tyres
	61	116 500 tonnes per annual period
	62	20 000 tonnes per annual period
64	100 000 tonnes per annual period	
Application verified	Date: N/A	
Application fee paid	Date: N/A	
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	N/A	
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 checked="" 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 Karratha (the City) formally the Shire of Roebourne, applied to renew their Licence for the Seven Mile Waste Disposal Facility (the Landfill).

This Licence amendment has been initiated by DER to change condition 4.2.1 relating to the Annual Environmental Report (AER). The previous Licence required the City of Karratha to provide documentation that demonstrates acceptance criteria for class II landfills (condition 1.3.1). This AER requirement is not consistent with other AER conditions for Category 64 landfills across the State. As such, the requirement to provide such information in the AER has been removed. The City of Karratha are still required to maintain such information as this will be required to ensure compliance with the licence.

Based on the information available to DER at the time of the amendment, DER is not aware of any changes at the premises that would alter the risk profile for emissions and discharges. DER has therefore not amended any conditions relating to emissions and discharges. Where conditions have been changed or altered, they are justified in Section 4.

The draft Licence was sent to the City on 5 November 2015. DER has not received correspondence from the City regarding the draft Licence.



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
Fugitive emissions	L2.6.1 & L2.6.2	The previous licence contained conditions for dust management. Fugitive emissions of dust can be sufficiently regulated under section 49 of the <i>Environmental Protection Act 1986</i> . In accordance with DER's licensing process, no specified conditions for fugitive emissions have been included on this licence.	<i>Environmental Protection Act 1986.S49</i>
Odour	2.7.1	The previous licence contained conditions for odour management. Odour can be sufficiently regulated under section 49 of the <i>Environmental Protection Act 1986</i> . In accordance with DER's licensing process, no specified conditions for fugitive emissions have been included on this licence.	<i>Environmental Protection Act 1986.S49</i>
Information	L4.2.1	Licence condition 4.2.1 has been amended to remove condition 1.3.1 (d) as this is not a typical requirement for Category 64 landfills across the State.	N/A
Licence Duration	N/A	This Licence was reissued on 4 June 2015. The expiry date for the Licence is 20 June 2020.	N/A



5 Advertisement and consultation table

Date	Event	Comments received/Notes	How comments were taken into consideration
5 November 2015	Draft package sent to proponent	No comments received	N/A



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