



**Licence number** L8513/2010/2

**Licence holder** SHIRE OF MERREDIN

**ABN** 87 065 676 484

**Registered business address** Shire of Merredin Administration Centre  
Lot 1444 King Street, MERREDIN WA 6415.

**DWER file number** ILS2013/004002-1~1

**Duration** 8/02/2015 to 7/02/2035

**Date of issue** 5/02/2015

**Date of Amendment** 02/05/2023

**Premises details** Merredin Chandler Road Landfill,  
Lot 500 on Plan 66111 Chandler Road,  
MERREDIN WA 6415.  
as depicted in Schedule 1.

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i> )	Assessed design capacity
Category 61: Liquid waste facility: premises on which liquid waste produced on other premises (other than sewerage waste) is stored, reprocessed, treated or irrigated.	200 tonnes per annual period
Category 62: Solid waste depot: Premises on which waste is stored, or sorted, pending final disposal or re-use.	2,000 tonnes per annual period
Category 64: Class II or III putrescible landfill site: Premises on which waste (as determined by the reference to the waste type set out in the document entitled "Landfill Waste Classification and Waste Definitions 1996 (as amended 2019): published by the Chief Executive Officer and as amended from time to time) is accepted for burial.	10,000 tonnes per annual period

This licence is granted to the licence holder, subject to the attached conditions, on 2 May 2023 by:

Abbie Crawford  
**A/MANAGER, WASTE INDUSTRIES**

an officer delegated under section 20 of the *Environmental Protection Act 1986* (WA)

## Licence history

Date	Reference number	Summary of changes
21/10/2010	W4751/2010/1	Works approval to extend landfilling operations under previous registration R139
6/02/2011	L8513/2010/1	New licence
8/02/2015	L8513/2010/2	Licence re-issue
12/11/2015	L8513/2010/2	Licence amendment to increase capacity, remove groundwater monitoring and conversion to new format
4/02/2015	L8513/2010/2	Licence amendment to install and operate new animal burial pit
22/09/2017	L8513/2010/2	Licence amendment to authorise the burning of greenwaste
14/05/2021	L8513/2010/2	Licence amendment to reporting period 1 July to 30 June and to update format to current licence template
16/05/2023	L8513/2010/2	Notice of Amendment of Licence Reporting Requirements to remove annual reporting requirements and require annual audit compliance reports to be submitted annually by 30/08/2023.
02/05/2023	L8513/2010/2	Licence amendment for e-waste acceptance, storage and offsite disposal, and increased throughput for Category 64.  Consolidated conditions from previous amendment notice for burning of green waste on premises.

## Interpretation

In this licence:

- (a) the words 'including', 'includes' and 'include' in conditions mean "including but not limited to", and similar, as appropriate;
- (a) where any word or phrase is given a defined meaning, any other part of speech or other grammatical form of that word or phrase has a corresponding meaning;
- (b) where tables are used in a condition, each row in a table constitutes a separate condition;
- (c) any reference to an Australian or other standard, guideline, or code of practice in this licence:
  - (i) if dated, refers to that particular version; and
  - (ii) if not dated, refers to the latest version and therefore may be subject to change over time;

- (d) unless specified otherwise, any reference to a section of an Act refers to that section of the EP Act; and
- (e) unless specified otherwise, all definitions are in accordance with the EP Act.

**NOTE:** This licence requires specific conditions to be met but does not provide any implied authorisation for other emissions, discharges, or activities not specified in this licence.

## Licence conditions

The licence holder must ensure that the following conditions are complied with:

### Premises operation

- 1 The licence holder shall only accept waste on to the Premises if:
  - (a) it is of a type listed in Table 1; and
  - (b) the quantity accepted is below any quantity limit listed in Table 1; and
  - (c) it meets any specification listed in Table 1.

Table 1: Waste acceptance				
Waste type	Quantity limit / annual period			Specification <sup>1</sup>
	Category 64 activities	Category 62 activities	Category 61 activities	
Clean fill	NA	NA	NA	None
Hazardous waste	N/A	Combined total of 2 000 tonnes	N/A	Limited to waste oil and batteries only
E-waste				None
Green waste				
Putrescible waste	Combined total of 10,000 tonnes			
Inert Waste Type 1				
Inert Waste Type 2				
Special Waste Type 1 (Asbestos waste)				
Special Waste Type 2 (Biomedical waste)		N/A	Biomedical/clinical waste which is radioactive must not be accepted <sup>2</sup>	
Septage wastes (waste code K210)	N/A		Combined total of 200 tonnes	None
Waste from grease traps resulting from food preparation (waste code K110)				
Fire debris and washwater (waste code N140)				
Stormwater, pondwater and low				

Table 1: Waste acceptance				
Waste type	Quantity limit / annual period			Specification <sup>1</sup>
	Category 64 activities	Category 62 activities	Category 61 activities	
strength wastewater				

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.

- 2 The licence holder shall ensure that where waste does not meet the waste acceptance criteria set out in condition 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.
- 3 The licence holder shall ensure that wastes accepted onto the premises are only subjected to the processes set out in Table 2 and in accordance with any process limits described in that Table.

Table 2: Waste processing		
Waste type	Process(es)	Process limits <sup>1, 2</sup>
All solid waste (excluding hazardous waste)	Disposal of waste by landfilling	<ul style="list-style-type: none"> <li>Wastes shall be disposed of in a defined trench and within an area enclosed by earthen bunds;</li> <li>No waste shall be temporarily stored or landfilled within 15 metres from the boundary of the premises;</li> <li>The separation distance between the base of the landfill and the highest groundwater level shall not be less than 3m; and</li> <li>The separation distance between any existing or new tipping areas and any naturally occurring surface water body shall not be less than 100 metres.</li> </ul>
Green waste	Receipt, handling, storage, prior to removal offsite, or burning.	<ul style="list-style-type: none"> <li>No more than 1000m<sup>3</sup> stored at any one time;</li> <li>Stored in piles of up to 4m in height with a 6m fire break between piles;</li> <li>All mulched green waste shall be stored in windrows;</li> <li>Windrows with an internal temperature exceeding 80 degrees Celsius shall be turned/mixed, or otherwise treated to reduce the temperature; and</li> <li>Windrows are to be maintained as parallel rows no more than 3 meters high or 4 metres wide and separated by at least 5 metres of clear ground from any other row.</li> </ul> <p>Where burning the is proposed, the following will apply:</p>

Table 2: Waste processing		
Waste type	Process(es)	Process limits <sup>1, 2</sup>
		<ul style="list-style-type: none"> <li>Green waste is to be dried and seasoned for at least two months prior to burning</li> <li>Burning to take place in the Designated Green Waste Burning Area</li> <li>Is undertaken in a manner to minimise the generation of smoke</li> <li>Ensure that from the time burning commences until the Fire Control Officer for the premises declares the area safe that; <ul style="list-style-type: none"> <li>i. A fire fighting vehicle is present carrying an adequate amount of water to control the fire and fitted with appropriate fire fighting equipment capable of delivering a minimum of 250 litres of water per minute at a minimum of 700 kPA through a nozzle capable of projecting water by spray or by jet; and</li> <li>ii. Persons are present who have such qualifications in fire fighting as are approved</li> </ul> </li> </ul>
E-waste	Receipt, handling, associated storage prior to removal offsite.	<ul style="list-style-type: none"> <li>Stored on pallets or in cages with a waterproof covering; and</li> <li>Pallets and/or cages to be stored on an impermeable concrete hardstand</li> </ul>
Hazardous Wastes		<ul style="list-style-type: none"> <li>Directed to a quarantined storage area or container.</li> <li>The licence holder shall immediately recover or remove and dispose of spills of hazardous wastes outside of a quarantined storage area or container.</li> </ul>
Special Waste Type 1 (Asbestos waste)	Receipt, handling, associated storage and disposal of waste by landfilling	<ul style="list-style-type: none"> <li>Only to be disposed of into a designated asbestos disposal area within the landfill;</li> <li>Not to be deposited within 2m of the final tipping surface of the landfill; and</li> <li>No works shall be carried out on the landfill that could lead to a disturbance of Special Waste Type 1.</li> </ul>
Special Waste Type 2 (Biomedical waste)	Receipt, handling, associated storage and disposal of waste by landfilling	<ul style="list-style-type: none"> <li>Buried in a designated Special Waste Type 2 area where access is restricted to authorised personnel only; and</li> <li>No works shall be carried out on the landfill that could lead to a disturbance of Special Waste Type 2.</li> </ul>
Septage wastes (waste code K210)	Receipt and storage	Liquid wastes shall be directed to an evaporation pond
Waste from grease traps (waste code K110)		

Table 2: Waste processing		
Waste type	Process(es)	Process limits <sup>1, 2</sup>
Fire debris and washwater (waste code N140)		
Stormwater, pondwater and low strength wastewater		

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.

- 4 The licence holder shall ensure that waste material is only stored and/or treated within vessels or compounds provided with the infrastructure detailed in Table 3.

Table 3: Containment infrastructure		
Vessel or compound	Material	Requirements
Evaporation pond	Liquid waste	Lined with in situ clays

- 5 The licence holder shall ensure that cover is applied and maintained on landfilled wastes in accordance with Table 4 and that sufficient stockpiles of cover are maintained on site at all times.

Table 4: Cover requirements <sup>1</sup>			
Waste Type	Material	Depth	Timescales
Special Waste Type 1	Type 1 Inert waste or soil	300mm	As soon as practicable after deposit and prior to compaction
		1000mm	By the end of the working day in which the asbestos waste was deposited
Special Waste Type 2		1000mm	Immediately
Putrescible waste Inert waste type 2		230mm	By the end of the working day in which municipal waste was deposited.
		1000mm	Within 3 months of achieving final waste contours
Animal carcasses		1000mm	Immediately

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

- 6 The licence holder shall implement the following security measures at the site:
- (a) erect and maintain suitable fencing to prevent unauthorised access to the site; and
  - (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.
- 7 The licence holder 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 weekly basis and returned to the tipping area.
- 8 The licence holder shall ensure that no waste is burnt, other than green waste, on the premises.
- 9 The licence holder shall ensure that there are appropriate procedures in place at the premises so that any unauthorised fire is promptly extinguished.
- 10 The licence holder shall install and maintain a sign at the entrance to the premises which clearly displays
- (a) Hours of operation;
  - (b) Contact telephone number for information and complaints or notification of fires;
  - (c) A list of materials accepted for recycling and the location of where they can be deposited on the premises;
  - (d) Types of wastes not accepted by the premises and a contact number for alternative disposal options; and
  - (e) A warning indicating penalties for people lighting fires.
- 11 The licence holder shall manage the evaporation pond such that:
- (a) overtopping of the pond does not occur;
  - (b) stormwater runoff is prevented from entering the pond;
  - (c) there is no discernible seepage loss from the pond; and
  - (d) vegetation and floating debris (emergent or otherwise) is prevented from growing or accumulating in the pond.
- 12 The licence holder shall comply with the document titled 'Asbestos Management Plan Merredin-Chandler Road Landfill, Merredin Shire Council' dated October 2015.

## Monitoring

- 13 The licence holder shall undertake the monitoring in Table 5 according to the specifications in that table.

Table 5: Monitoring of inputs and outputs				
Input/Output	Parameter	Units	Averaging period	Frequency
Waste Inputs	Putrescible waste, green waste, e-waste, hazardous waste, inert waste type 1 and 2, clean fill, special waste type 1 and 2, liquid wastes.	m <sup>3</sup>	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

- 14 The licence holder shall undertake the monitoring in Table 6 according to the specifications in that table.



Table 6: Process monitoring					
Monitoring point reference	Process description	Parameter	Units	Frequency	Method
-	Mulched green waste	Temperature	°C	Weekly	None specified

## Information reporting

- 15 The licence holder must:
  - (a) undertake an audit of their compliance with the conditions of this licence during the preceding annual period; and
  - (b) prepare and submit to the CEO an Annual Audit Compliance Report in the approved form by the 30 August each year.
- 16 The licence holder shall maintain a register of Special Waste Type 1 and Type 2 disposed of at the premises which shall include a plan showing the position of Special Waste Type 1 and Type 2 disposed of at the premises.
- 17 The licence holder shall ensure that the parameters listed in Table 7 are notified to the CEO and in accordance with the notification requirements of the table.

Table 7: Notification requirements			
Condition or table (if relevant)	Parameter	Notification requirement <sup>1</sup>	Format or form <sup>2</sup>
1, 3 & 8	Scheduled green waste burning event	The CEO is required to be informed at least 24 hours prior to a scheduled green waste burning event.	None specified
8	Unauthorised fire	Within 14 days of unauthorised fire	None specified
-	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

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

Note 2: Forms are in Schedule 2

- 18 The licence holder must record the following information in relation to complaints received by the licence holder (whether received directly from a complainant or forwarded to them by the Department or another party) about any alleged emissions from the premises:
  - (a) the name and contact details of the complainant, (if provided);
  - (b) the time and date of the complaint;
  - (c) the complete details of the complaint and any other concerns or other issues raised; and
  - (d) the complete details and dates of any action taken by the licence holder to investigate or respond to any complaint.
- 19 The licence holder must maintain accurate and auditable records that include the following records, information, reports, and data required by this licence:

- (a) the calculation of fees payable in respect of this licence;
- (b) monitoring programmes undertaken in accordance with conditions 13 and 14 of this licence; and
- (c) complaints received under condition 18 of this licence.

20 The information and records specified under the licence must:

- (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) be retained by the licence holder for the duration of the licence; and
- (d) be available to be produced to an inspector or the CEO as required.

## Definitions

In this licence, the terms in Table 8 have the meanings defined.

**Table 8: Definitions**

Term	Definition
Act	means the <i>Environmental Protection Act 1986</i> .
ACN	Australian Company Number.
Annual Audit Compliance Report (AACR)	means a report submitted in a format approved by the CEO (relevant guidelines and templates may be available on the Department's website).
annual period	a 12 month period commencing from 1 July until 30 June of the immediately following year.
asbestos	as defined in the Asbestos Guidelines.
averaging period	means the time over which a limit is measured or a monitoring result is obtained.
clean fill	has the meaning defined in Landfill Definitions.
CEO	means Chief Executive Officer of the Department. "submit to / notify the CEO" (or similar), means either: Director General Department administering the <i>Environmental Protection Act 1986</i> Locked Bag 10 Joondalup DC WA 6919 or: <a href="mailto:info@dwer.wa.gov.au">info@dwer.wa.gov.au</a>
controlled waste	has the definition in Environmental Protection (Controlled Waste) Regulations 2004.
Department	means the department established under section 35 of the <i>Public Sector Management Act 1994</i> (WA) and designated as responsible for the administration of the EP Act, which includes Part V Division 3.
Asbestos Guidelines	means document titled "Guidelines for managing asbestos at construction and demolition waste recycling facilities", published by the Department of Water and Environmental Regulation, as amended April 2021.
Designated green waste burning area	an area of the landfill site designated by the licence holder for the burning of green waste, which is at least 50m from the premises boundary and a 20m radius from any flammable material other than green waste or live trees, and is not positioned on an area of the site where waste (other than green waste) has been deposited.

Term	Definition
discharge	has the same meaning given to that term under the EP Act.
emission	has the same meaning given to that term under the EP Act.
EP Act	<i>Environmental Protection Act 1986 (WA).</i>
EP Regulations	<i>Environmental Protection Regulations 1987 (WA).</i>
e-waste	means electronic, electrical and battery-powered items that have been discarded or no longer in working order. Covers a range of items used in commercial, industrial and residential premises and includes, but is not limited to, televisions, computers, mobile phones, kitchen appliances and audio/visual equipment.
Fire Control Officer	a person appointed under the <i>Bush Fires Act 1954</i> .
green waste	means waste that originates from flora and which does not contain or has not been treated or coated with, preserving agents, biocides, fire retardants, paint, adhesives or binders.
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	refers to this document, which evidences the grant of a licence by the CEO under section 57 of the EP Act, subject to the specified conditions contained within.
licence holder	refers to the occupier of the premises, being the person specified on the front of the licence as the person to whom this licence has been granted.
monthly period	means a one-month period commencing from the first day of a month until the last day of the same month.
premises	refers to the premises to which this licence applies, as specified at the front of this licence and as shown on the premises map (Figure 1) in Schedule 1 to this licence.
prescribed premises	has the same meaning given to that term under the EP Act.
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.

Term	Definition
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.
usual working day	means 0800 – 1700 hours, Monday to Friday excluding public holidays in Western Australia.
waste	has the same meaning given to that term under the EP Act.

---

**END OF CONDITIONS**

## Schedule 1: Maps

### Premises map

The premises is shown in the map below. The yellow line depicts the premises boundary.



**Figure 1 Premises boundary and associated waste infrastructure**

## Schedule 2: Reporting & notification forms

**Licence:** L8513/2010/2      **Licence holder :** Shire of Merredin

**Form:** N1      **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.	

Name	
Post	
Signature on behalf of Shire of Merredin	
Date	