



Licence Number	L7303/1998/10
Licence Holder	Western Metropolitan Regional Council
File Number:	DEC8923/1~3
Premises	West Metro Recycling Centre 60 Lemnos Street SHENTON PARK WA 6010 Legal description - Part of Lot 11541 on Deposited Plan 189946
Date of Report	19/08/2020
Decision	Grant

1. Definitions and interpretation

Definitions

In this Amendment Report, the terms in Table 1 have the meanings defined.

Table 1: Definitions

Term	Definition
AACR	Annual Audit Compliance Report
AER	Annual Environment Report
Amendment Report	refers to this document
Category/ Categories/ Cat.	categories of Prescribed Premises as set out in Schedule 1 of the EP Regulations
CEO	means Chief Executive Officer. CEO for the purposes of notification means: Director General Department administering the <i>Environmental Protection Act 1986</i> Locked Bag 10 Joondalup DC WA 6919 or: info@dwer.wa.gov.au
Delegated Officer	an officer under section 20 of the EP Act
Department	means the department established under section 35 of the <i>Public Sector Management Act 1994</i> and designated as responsible for the administration of Part V, Division 3 of the EP Act.
DWER	Department of Water and Environmental Regulation
EP Act	<i>Environmental Protection Act 1986 (WA)</i>
EP Regulations	<i>Environmental Protection Regulations 1987 (WA)</i>
Existing Licence	The Licence issued under Part V, Division 3 of the EP Act and in force prior to the commencement of and during this Review
Licence Holder	Western Metropolitan Regional Council
Minister	the Minister responsible for the EP Act and associated regulations
Noise Regulations	<i>Environmental Protection (Noise) Regulations 1997 (WA)</i>
Occupier	has the same meaning given to that term under the EP Act.
Prescribed Premises	has the same meaning given to that term under the EP Act.
Premises	refers to the premises to which this Amendment Report applies, as specified at the front of this Amendment Report.

Term	Definition
Revised Licence	the amended Licence issued under Part V, Division 3 of the EP Act, with changes that correspond to the assessment outlined in this Amendment Report.
Risk Event	as described in <i>Guidance Statement: Risk Assessment</i>

2. Amendment Description

This amendment has been informed by DWER's Regulatory Framework which is available at <https://www.der.wa.gov.au/our-work/regulatory-framework>.

2.1 Purpose and scope of assessment

On 4 March 2020 DWER Officers met with representatives from the Western Metropolitan Regional Council (WMRC) to discuss their plans to start accepting food organics and garden organics (FOGO) at the Premises. DWER advised that an amendment to the Licence should be sought to identify FOGO as a separate feedstock on the Licence.

On 8 May 2020 WMRC submitted an application to amend Licence L7303/1998/10. The application requested to amend the licence to allow the Premises to receive and handle 10,000 tonnes of FOGO waste per annum. WMRC is not however, seeking to amend the actual throughput of putrescible waste at the Premises. No changes to current infrastructure have been proposed.

FOGO waste will be delivered to the Premises in small bin trucks, and after being weighed, it will proceed into the transfer station building. Upon entering the transfer station building the trucks will tip the FOGO material into fully enclosed, inverted storage silos. Once in the silos the waste will be compacted.

The silos are constructed of metal with two doors at one end, which can be closed to seal the silo after each delivery. Once silos are full, they will be lowered to the horizontal position and transferred off site via trucks to a FOGO recycling facility without exposing waste to open-air. This is the process currently in place for handling municipal waste at the Premises.

In an email dated 15 May 2020 additional changes were requested to the Licence. WMRC requested to increase the throughput for Special Waste Type 1 / Hazardous Waste to a combined total of 500 tonnes per year (from 200 tonnes) and to increase Inert Waste Type 1 to 10,000 tonnes per year (from 200 tonnes). It was advised that the maximum amount of construction and demolition (C&D) waste (Inert Waste Type 1) kept on the Premises at any one time would not exceed 200 tonnes.

Table 2 below outlines the proposed throughput changes to the Licence.

Table 2: Proposed throughput capacity changes

Category	Current throughput capacity	Proposed throughput capacity	Description of proposed amendment
62	125,400 tonnes per year	135,500 tonnes per year	The additional 10,100 tonnes of waste will be made up of 300 tonnes of Special Waste Type 1 and 9,800 tonnes of C&D waste.

3. Licensing history

Table 3 provides the amendment history for L7303/1998/10 since 2005.

Table 3: Licence amendment history

Instrument	Issued	Amendment
13/10/2005	L7303/1998/8	Licence re-issue
02/10/2008	L7303/1998/9	Licence re-issue
10/10/2013	L7303/1998/10	Licence re-issue including conversion to new format
8/10/2015	L7303/1998/10	Occupier initiated amendment to increase putrescible waste annual input.
19/08/2020	L7303/1998/10	Occupier initiated amendment to: <ul style="list-style-type: none"> • Increase acceptance of Inert Waste Type 1 and Special Waste Type 1; and • Include food organics and garden organics as an authorised feedstock.

4. Emission sources, pathways and receptors

4.1 Emissions

The potential for emissions to impact on sensitive receptors has been assessed in accordance with the Department's *Guidance Statement: Risk Assessments*. The key emissions, related to the acceptance of FOGO waste, considered in this report are odour and leachate. The key emissions, related to the increased capacity of Inert Waste Type 1 and Special Waste Type 1, considered in this report are dust, noise, asbestos and contamination of stormwater.

4.2 Pathways

As odour, dust and noise are considered potential emissions, the prevailing wind direction has been considered. Using information available on the Bureau of Meteorology's website, the prevailing wind direction at the Swanbourne weather station (2.9km from Shenton Park) is predominately in an easterly direction in the morning (19.2km/h) and south westerly in the afternoon (23km/h).

4.3 Receptors

Table 4 below lists the relevant sensitive land uses in the vicinity of the Prescribed Premises which may be receptors relevant to the proposed amendment.

Table 4: Receptors and distance from activity boundary

Residential and sensitive premises	Distance from Prescribed Premises
Residential Premises – high density subdivision	Approximately 700m south west of the Prescribed Premises boundary
Sports ovals	285m north west of the Prescribed Premises

Residential and sensitive premises	Distance from Prescribed Premises
Department of Defense – Army base	Adjacent to the eastern and southern boundary of the Prescribed Premises
Perth Transit bus depot	West of the Prescribed Premises, opposite side of Brockway Road

Table 5 below lists the relevant environmental receptors in the vicinity of the Prescribed Premises which may be receptors relevant to the proposed amendment.

Table 5: Environmental receptors and distance from activity boundary

Environmental receptors	Distance from Prescribed Premises
Bush Forever Site 218 – Shenton Bushland	475m east of the Prescribed Premises boundary
Bush Forever Site 119 – Underwood Avenue Bushland	700m north east of the Prescribed Premises boundary
Threatened Ecological Community (TEC) – Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	Three occurrences of this TEC with 15m of the Prescribed Premises Boundary (south and east)
Groundwater	5m below ground level and flowing in a south west direction
<i>Rights in Water and Irrigation Act 1914</i> – Perth Groundwater Area	Prescribed Premises is located within this proclaimed area.

5. Risk assessment

Table 6 below describes the Risk Events associated with the amendment consistent with the *Guidance Statement: Risk Assessments*. The table identifies whether the emissions present a material risk to public health or the environment, requiring regulatory controls.

Table 6: Risk assessment for proposed amendments during operation

Risk Event				Consequence rating ¹	Likelihood rating ¹	Risk ¹	Reasoning	Regulatory controls
Source/Activities*	Potential emissions	Potential receptors, pathway and impact	Applicant controls					
Acceptance, transfer and storage of FOGO waste	Odour	<p>Receptors: The closest residential receptor is located 700m south west of the Premises and sports ovals are located within 285m.</p> <p>Pathway: Air / wind dispersion</p> <p>Impact: Impacts to health and amenity</p>	<p>FOGO waste will be transferred directly into sealed silos, within the transfer station building.</p> <p>Silo lids can be closed after each delivery.</p>	Moderate	Unlikely	Medium	Due to the acceptance of highly odorous feedstocks and the proximity of receptors, there is potential for mid level impacts to amenity. However, due to the applicant's controls, impacts to amenity are not likely to occur in most circumstances.	Conditions 4 and 22 of the Revised Licence have been updated to include regulatory controls relating to the acceptance of FOGO waste.

Risk Event				Consequence rating ¹	Likelihood rating ¹	Risk ¹	Reasoning	Regulatory controls
Source/Activities*	Potential emissions	Potential receptors, pathway and impact	Applicant controls					
Acceptance, transfer and storage of FOGO waste	Leachate	<p>Receptors: Groundwater (5m below ground level)</p> <p>Threatened ecological community (15m)</p> <p>Pathway: Stormwater runoff or infiltration through soil</p> <p>Impact: Impacts to soil and vegetation quality, and groundwater from the addition of nutrients.</p>	<p>FOGO waste will be transferred directly into sealed metal silos, within the transfer station building.</p> <p>Any leaching products are captured in a drain at the base of the silo. The drain feeds into a sump and is pumped through a three stage interceptor.</p>	Minor	Unlikely	Medium	FOGO waste is generally nutrient rich, however due to the Licence Holders controls and existing infrastructure, leachate is not likely to impact receptors in most circumstances.	Conditions 4 and 22 of the Revised Licence have been updated to include regulatory controls relating to the acceptance of FOGO waste.

Risk Event				Consequence rating ¹	Likelihood rating ¹	Risk ¹	Reasoning	Regulatory controls
Source/Activities*	Potential emissions	Potential receptors, pathway and impact	Applicant controls					
Increased capacity limit of Inert Waste Type 1 (construction and demolition waste)	Dust	<p>Receptors: The closest residential receptor is located 700m south west of the Premises and sports ovals are located within 285m.</p> <p>Pathway: Air / wind dispersion</p> <p>Impact: Impacts to health and amenity</p>	<p>Sprinklers will be installed and uses to suppress visible dust.</p> <p>No more than 200 tonnes of C&D waste will be kept on the premises at any given time.</p>	Minor	Unlikely	Medium	Due to the relatively large increase in acceptance of C&D waste at the Premises, there is potential for mid level impacts to health and amenity. However, due to the applicant's commitment to install and use sprinklers, impacts are not likely to occur in most circumstances.	Condition 22, Table 2 of the Revised Licence has been updated to require stockpiles to be maintained in a damp state during operational hours.

Risk Event				Consequence rating ¹	Likelihood rating ¹	Risk ¹	Reasoning	Regulatory controls
Source/Activities*	Potential emissions	Potential receptors, pathway and impact	Applicant controls					
Increased capacity limit of Inert Waste Type 1 (construction and demolition waste)	Noise	<p>Receptors: The closest residential receptor is located</p> <p>Pathway: Air / wind dispersion</p> <p>Impact: Impacts to amenity</p>	Opening hours are restricted to Monday to Friday 7:30am to 4pm, and Weekends 8am to 4pm.	Minor	Unlikely	Medium	The increased capacity limit is likely to increase truck movements around the Premises and therefore there may be some low level impacts of increased noise from the premises. The general provisions of the EP Act and the Environmental Protection (Noise) Regulations 1997 will apply ensuring that impacts are not likely to occur in most circumstances	General provisions of the EP Act and the Environmental Protection (Noise) Regulations 1997 apply.

Risk Event				Consequence rating ¹	Likelihood rating ¹	Risk ¹	Reasoning	Regulatory controls
Source/Activities*	Potential emissions	Potential receptors, pathway and impact	Applicant controls					
Increased capacity limit of Inert Waste Type 1 (construction and demolition waste)	Contamination of stormwater	<p>Receptors: Groundwater (5m below ground level)</p> <p>Threatened ecological community (15m)</p> <p>Pathway: Stormwater runoff or infiltration through soil</p> <p>Impact: Impacts to ecology of soil quality and groundwater from the addition of nutrients.</p>	<p>No more than 200 tonnes of C&D waste will be kept on the premises at any given time.</p> <p>Storage of C&D waste occurs on a bunded concrete hardstand which directs stormwater flow to a gross pollutant trap.</p>	Minor	Unlikely	Medium	<p>Stormwater coming in contact with Inert Waste Type 1 has the potential to become contaminated, however due to the applicant's controls and existing infrastructure, impacts are not likely to occur in most circumstances</p>	<p>Condition 1.2.4 of the Existing Licence has been carried over to the Revised Licence as Condition 3 and requires contaminated stormwater to be treated prior to discharge.</p> <p>The Existing Licence contained condition 3.1.1 (Improvement Program) which required the Licence Holder to submit a Site Management Plan to address stormwater contamination. Condition 3.1.1 has been removed as the Licence Holder has provided documentary evidence to show that the stormwater works have been completed.</p>

Risk Event				Consequence rating ¹	Likelihood rating ¹	Risk ¹	Reasoning	Regulatory controls
Source/Activities*	Potential emissions	Potential receptors, pathway and impact	Applicant controls					
Increased capacity limit of Inert Waste Type 1 (construction and demolition waste)	Asbestos	<p>Receptors: The closest residential receptor is located 700m south west of the Premises and sports ovals are located within 285m.</p> <p>Pathway: Air / wind dispersion</p> <p>Impact: Impacts to health.</p>	<p>Asbestos Management Plan</p> <p>Asbestos Acceptance and Transfer Procedure</p> <p>Loose Asbestos Containment Procedure</p>	Severe	Unlikely	High	While regulations and procedures are in place to identify and remove asbestos and ACM from buildings prior to demolition, there is still a risk that some asbestos or ACM will be contained in C&D waste. Due to the applicant's controls, the risks associated with asbestos inhalation are unlikely to occur in most circumstances.	Conditions 6 to 13 have been added to the Revised Licence. These conditions align with the 'Guidelines for managing asbestos at construction and demolition waste recycling facilities'.

Risk Event				Consequence rating ¹	Likelihood rating ¹	Risk ¹	Reasoning	Regulatory controls
Source/Activities*	Potential emissions	Potential receptors, pathway and impact	Applicant controls					
Increased capacity limit of Special Waste Type 1	Asbestos	<p>Receptors: The closest residential receptor is located 700m south west of the Premises and sports ovals are located within 285m.</p> <p>Pathway: Air / wind dispersion</p> <p>Impact: Impacts to health.</p>	<p>Asbestos Management Plan</p> <p>Asbestos Acceptance and Transfer Procedure</p> <p>Loose Asbestos Containment Procedure</p>	Severe	Unlikely	High	<p>Due to the acceptance of cement bonded asbestos and the proximity of receptors, there is potential for high level impacts to health. However, due to the applicant's controls, the risk event is unlikely to occur in most circumstances.</p>	<p>Conditions 14 to 21 have been added to the Revised Licence. These conditions align with commitments made in the Licence Holders Asbestos Management Plan.</p> <p>The Existing Licence contained condition 3.1.1 (Improvement Program) which required the Licence Holder to prepare, submit and implement an Asbestos Management Plan. The Asbestos Management Plan was provided to DWER on 16/12/2015.</p>

Note 1: Consequence ratings, likelihood ratings and risk descriptions are detailed in the Department's Guidance Statement: Risk Assessments (February 2017)

6. Consultation

Table 7: Summary of consultation

Method	Comments received	DWER response
Application advertised on DWER website (17/07/2020)	None received	N/A
Local Government Authority advised of proposal (21/07/2020)	None received	N/A
Applicant referred draft documents (17/08/2020)	Comments received on 17/08/2020. Refer to Appendix 2 for a summary of comments The remaining consultation period was waived on 18/08/2020.	Refer to Appendix 2

7. Decision

Based on the assessment in this Amendment Report, the Delegated Officer has determined that a licence amendment will be granted, subject to conditions commensurate with the determined controls and necessary for administration and reporting requirements.

7.1. Summary of amendments

Table 8 provides a conversion map table which outlines the changes made to the licence in converting it to a current format.

Table 8: Licence conversion map for new licence format

Existing licence condition	Condition Summary	Revised licence condition	Conversion notes
1.1.1	Definitions	n/a	Redundant condition
1.1.2	Definitions	Table 6	Definitions updated as required
1.1.3	Australian Standards	n/a	Redundant condition
1.1.4	Guidelines or code of practice	n/a	Redundant condition
1.1.5	Emissions	n/a	Redundant condition
1.2.1	operation of pollution control equipment	1	n/a
1.2.3	Spills of environmental hazardous material	2	n/a
1.2.4	Stormwater management	3	n/a
1.3.1	Waste acceptance	4	Quantity limits updated
1.3.2	Non-conforming waste	5	n/a
1.3.3	Waste processing	22	FOGO added as a waste type and specifications added
1.3.4	Security	23	n/a
1.3.5	Pests and vermin	24	n/a
1.3.6	Windblown waste	25	n/a

Existing licence condition	Condition Summary	Revised licence condition	Conversion notes
1.3.7	No burning of waste	26	n/a
2.1.1	Calibration of monitoring equipment	27	n/a
2.1.2	Calibration	28	n/a
2.2.1	Monitoring of inputs and outputs	29	Table updated to break Putrescible waste down into municipal solid waste, FOGO and green waste.
3.1.1	Improvement program	Conditions 14 to 21	<p>This condition has been removed as the Licence Holder has met the requirements of the condition.</p> <p>Photographic evidence has been provided to demonstrate that the works undertaken in accordance with the Site Management Plan (IR1) have been complete. These works relate to the management of stormwater.</p> <p>Aspects of the Asbestos Management Plan have been added as conditions of the Revised Licence – Condition 14 to 21</p>
4.1.1	Information and records	30	n/a
4.1.2	Compliance with licence	31	n/a
4.1.3	Annual Audit Compliance Report	32	n/a
4.1.4	Complaints management system	33	Condition updated to current standard wording
4.2.1	Reporting	34	Condition numbers update
4.3.1	Notification requirements	35	Condition numbers update

Tracey Hassell
A/Manager, Waste Industries

An officer delegated by the CEO under section 20 of the EP Act

Appendix 1: Key documents

	Document title	In text ref	Availability
1	Licence L7303/1998/10	L7303/1998/10	accessed at www.dwer.wa.gov.au
2	Licence amendment application and supporting documentation	n/a	DWER records (A1891944)
3	Email requesting additional changes to the Licence – capacity increases	n/a	DWER records (A1893743)
4	Additional information provided in response to DWER’s letter of 29/05/2020	n/a	DWER records (A1904806)
5	Email received providing additional information in regards to stormwater management (08/07/2020)	n/a	DWER records (A1911204)
6	DER, July 2015. <i>Guidance Statement: Regulatory principles.</i> Department of Environment Regulation, Perth.	DER 2015a	accessed at www.dwer.wa.gov.au
7	DER, October 2015. <i>Guidance Statement: Setting conditions.</i> Department of Environment Regulation, Perth.	DER 2015b	
8	DER, November 2016. <i>Guidance Statement: Environmental Siting.</i> Department of Environment Regulation, Perth.	DER 2016	
9	DER, February 2017. <i>Guidance Statement: Risk Assessments.</i> Department of Environment Regulation, Perth.	DER 2017	
10	DWER, June 2019. <i>Guidance Statement: Decision Making.</i> Department of Water and Environmental Regulation, Perth.	DWER 2019	

Appendix 2: Summary of Licence Holder comments

The Licence Holder was provided with the draft Amendment Report on 17 August 2020 for review and comment. The Licence Holder responded on 17 and 18 August 2020.

Condition	Summary of Licence Holder comment	DWER response
14 (No more than three sheets of asbestos per customer)	The Licence Holder advised that restricting customers to three sheets of asbestos per visit would increase the likelihood of inappropriate disposal and illegal dumping. The restriction was perceived to prevent the Licence Holder providing a service to contractors and would leave them without a disposal option in the west central metropolitan area.	DWER responded to the Licence Holder advising that the reason this restriction was placed on the Licence was to align with their Asbestos Acceptance and Transfer Procedure which was provided to the department on 16/12/2015. DWER has removed this restriction from the Licence as it believes that it would not increase the risk associated with asbestos acceptance as there is already a total quantity limit (per year) on the Licence.
14 (No more than one sheet of asbestos in each bundle)	The Licence Holder advised that as asbestos is required to be received securely wrapped and taped, they have no real way of checking the restriction of no more than one sheet in each bundle.	DWER has removed the restriction of 'no more than one sheet of asbestos in each bundle' as it has been determined that as long as the asbestos is received securely wrapped, in accordance with the Acceptance procedure, it does not increase the risk associated with asbestos acceptance.