



Application for Licence Amendment

Part V Division 3 of the *Environmental Protection Act 1986*

Licence Number	L7303/1998/10
Licence Holder	Western Metropolitan Regional Council
ACN	870276 543
File Number	DEC8923/1~4
Premises	West Metro Recycling Centre 60 Lemnos Street SHENTON PARK WA 6010 Legal description – Part of Lot 11541 on Deposited Plan 189946 Certificate of Title Volume LR3044 Folio 389
Date of Report	10/01/2022
Decision	Revised licence granted

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

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1. Decision summary

Licence L7303/1998/10 is held by Western Metropolitan Regional Council (Licence Holder) for the West Metro Recycling Centre (the Premises), located at 60 Lemnos Street, Shenton Park.

This Amendment Report documents the assessment of potential risks to the environment and public health from proposed changes to the emissions and discharges during operation of the Premises. As a result of this assessment, Revised Licence L7303/1998/10 has been granted.

The Revised Licence issued as a result of this amendment supersedes the existing Licence previously granted in relation to the Premises.

2. Scope of assessment

2.1 Regulatory framework

In completing the assessment documented in this Amendment Report, the department has considered and given due regard to its Regulatory Framework and relevant policy documents which are available at <https://dwer.wa.gov.au/regulatory-documents>.

2.2 Application summary

On 20 September 2021, the Licence Holder submitted an application to the department to amend Licence L7303/1998/10 under section 59 and 59B of the *Environmental Protection Act 1986* (EP Act). The following amendments were sought:

- Increase throughput capacity of municipal solid waste handling and storage by 10,000 tonnes per year.
- Increase throughput capacity of food organic and garden organic (FOGO) waste by 10,000 tonnes per year.
- Adopt a second method for handling and storage of FOGO waste.

This amendment is limited only to changes to Category 62 activities from the Existing Licence.

Table 1 below outlines the proposed changes to the existing Licence.

Table 1: Proposed throughput capacity changes

Category	Current throughput capacity	Proposed throughput capacity	Description of proposed amendment
62	<ul style="list-style-type: none">• 105,000 tonnes per year of municipal solid waste;• 10,000 tonnes per year of FOGO	<ul style="list-style-type: none">• 115,000 tonnes per year of municipal solid waste;• 20,000 tonnes per year of FOGO	<p>Increase throughput by 10,000 tonnes per year of both municipal solid waste and FOGO waste.</p> <p>A maximum of 85,000 tonnes per year of putrescible waste is permitted for handling and storage at the Premises. The remaining 60,000 tonnes per year is permitted to enter the Premises for weighing purposes only and must be removed from the Premises as soon as it has been weighed.</p>

3. Risk assessment

The department assesses the risks of emissions from prescribed premises and identifies the potential source, pathway and impact to receptors in accordance with the *Guideline: Risk assessments* (DWER 2020).

To establish a Risk Event there must be an emission, a receptor which may be exposed to that emission through an identified actual or likely pathway, and a potential adverse effect to the receptor from exposure to that emission.

3.1 Source-pathways and receptors

3.1.1 Emissions and controls

The key emissions and associated actual or likely pathway during premises operation which have been considered in this Amendment Report are detailed in Table below. Table also details the proposed control measures the Licence Holder has proposed to assist in controlling these emissions, where necessary.

Table 2: Licence Holder controls

Emission	Sources	Potential pathways	Proposed controls
Odour	<p>Increased acceptance throughput of FOGO</p> <p>Increased acceptance throughput of Municipal Solid Waste</p>	Air/windborne pathway	<p>FOGO</p> <p>Waste will be unloaded from collection trucks, within the building, into a waste bunker directly adjoining the waste hopper. The waste will be transferred immediately from the bunker into the compactor hopper/trailer. FOGO waste shall be transferred within 30 minutes of unloading and no FOGO waste shall be left in the bunker overnight.</p> <p>MSW</p> <p>No additional proposed controls. Current controls deemed to be sufficient by the applicant to mitigate any additional risk.</p>
Leachate	<p>Increased acceptance throughput of FOGO</p> <p>Increased acceptance throughput of Municipal Solid Waste</p>	<p>Overland runoff</p> <p>Migration to soil and groundwater underlying the site</p>	<p>FOGO</p> <p>The waste will be transferred immediately from the bunker into the compactor hopper/trailer. FOGO waste shall be transferred within 30 minutes of unloading and no FOGO waste shall be left in the bunker overnight. Leachate drains located within 10 m of the bunker.</p> <p>MSW</p> <p>No additional proposed controls. Current controls deemed to be sufficient by the applicant to mitigate any additional risk.</p>

3.1.2 Receptors

In accordance with the *Guideline: Risk assessments* (DWER 2020), the Delegated Officer has excluded employees, visitors and contractors of the Licence Holder's from its assessment. Protection of these parties often involves different exposure risks and prevention strategies, and is provided for under other state legislation.

Table below provides a summary of potential human and environmental receptors that may be impacted as a result of activities upon or emission and discharges from the prescribed premises (*Guideline: Environmental siting* (DWER 2020)).

Table 3: Sensitive human and environmental receptors and distance from prescribed activity

Human receptors	Distance from prescribed activity
Residential Premises – high density subdivision	Approximately 700m south west of the Prescribed Premises boundary
Sports Oval	285m north west of the Prescribed Premises
Department of Defence – 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
School	Approximately 400 m south west of the Prescribed Premises; and Approximately 850 m east of the Prescribed Premises
Hospital	Approximately 300 m south west of the Prescribed Premises
Environmental receptors	Distance from prescribed activity
Bush Forever Site 218 – Shenton Bushland	475 m east of the Prescribed Premises boundary
Bush Forever Site 119 – Underwood Avenue Bushland	700 m 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 15 m of the Prescribed Premises boundary (south and east)
Threatened Fauna – Carnaby's Cockatoo (<i>Calyptorhynchus latirostris</i>)	One occurrence of this endangered species within 100 m of Prescribed Premises boundary
Groundwater	Approximately 3 – 5 m bgl 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

3.2 Risk ratings

Risk ratings have been assessed in accordance with the *Guideline: Risk Assessments* (DWER 2020) for those emission sources which are proposed to change and takes into account potential source-pathway and receptor linkages as identified in Section 3.1. Where linkages are incomplete they have not been considered further in the risk assessment.

Where the Licence Holder has proposed mitigation measures/controls (as detailed in Section 3.1), these have been considered when determining the final risk rating. Where the Delegated Officer considers the Licence Holder's proposed controls to be critical to maintaining an acceptable level of risk, these will be incorporated into the licence as regulatory controls.

Additional regulatory controls may be imposed where the Licence Holder's controls are not deemed sufficient. Where this is the case the need for additional controls will be documented and justified in Table .

The Revised Licence L7303/1998/10 that accompanies this Amendment Report authorises emissions associated with the operation of the Premises.

The conditions in the Revised Licence have been determined in accordance with *Guidance Statement: Setting Conditions* (DER 2015).

Table 4. Risk assessment of potential emissions and discharges from the Premises operation

Risk Event					Risk rating ¹ C = consequence L = likelihood	Licence Holder's controls sufficient?	Conditions ² of licence	Justification for regulatory controls
Source/Activities	Potential emission	Potential pathways and impact	Receptors	Licence Holder's controls				
Increased acceptance, transfer and storage of FOGO	Odour	Air/windborne pathway causing impacts to health and amenity	Residential premises approximately 700 m south east Adjacent industry	Refer to Table	C = Moderate L = Unlikely Medium Risk	Y	Condition 22	Condition 22 outlines the current and proposed applicant controls for storage and handling of FOGO waste. The Delegated Officer considers that due to the current and proposed controls for handling and storage of FOGO waste, impacts to health and amenity are not likely to occur in most circumstances. Condition 22 requires FOGO waste to be removed from the Premises within 72 hours. This allows waste that is delivered on a Friday to be stored in sealed containers over the weekend.
	Leachate	Overland runoff contaminating stormwater and ecological receptors Migration to soil and groundwater underlying the site impacting adjacent non-potable groundwater users	On site irrigation bore Bore water users (eight registered bore water abstraction wells within a 500 m radius of the Prescribed Premise)	Refer to Table	C = Minor L = Unlikely Medium Risk	Y	Condition 22	Condition 22 outlines the current and proposed applicant controls for storage and handling of FOGO waste. Combined with the existing on-site leachate collection system, the Delegated Officer considers that impacts to stormwater, soil and groundwater are not likely to occur in most circumstances.

Risk Event					Risk rating ¹	Licence Holder's controls sufficient?	Conditions ² of licence	Justification for regulatory controls
Source/Activities	Potential emission	Potential pathways and impact	Receptors	Licence Holder's controls	C = consequence L = likelihood			
Increased limits of MSW acceptance.	Odour	Air/windborne pathway causing impacts to health and amenity	Residential premises approximately 700 m south east Adjacent industry	Refer to Table	C = Moderate L = Unlikely Medium Risk	Y	Condition 22	N/A
	Leachate	Overland runoff contaminating stormwater and ecological receptors Migration to soil and groundwater underlying the site impacting adjacent non-potable groundwater users	On site irrigation bore Bore water users (eight registered bore water abstraction wells within a 500 m radius of the Prescribed Premise)	Refer to Table	C = Minor L = Unlikely Medium Risk	Y	Condition 22	N/A

Note 1: Consequence ratings, likelihood ratings and risk descriptions are detailed in the *Guideline: Risk assessments* (DWER 2020).

Note 2: Proposed Licence Holder's controls are depicted by standard text. **Additional regulatory controls** depicts additional regulatory controls imposed by department.

4. Consultation

Table provides a summary of the consultation undertaken by the department.

Table 5: Consultation

Consultation method	Comments received	Department response
Local Government Authority advised of proposal 21 October 2021.	The City of Nedlands provided comment via email on 26 November 2021. The City did not have any objections to the proposal provided that activities associated with the site do not unduly impact nearby lots with pest and odour issues.	N/A
Licence Holder was provided with draft amendment on 23 November 2021	In an email dated 5 January 2022 the Licence Holder advised that the drafts had been reviewed and that no comments or changes needed to be made.	N/A

5. Conclusion

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

5.1 Summary of amendments

Table provides a summary of the proposed amendments and will act as record of implemented changes. All proposed changes have been incorporated into the Revised Licence as part of the amendment process.

Table 6: Summary of licence amendments

Condition no.	Proposed amendments
4	Increased throughput capacity of 10,000 tonnes per year of municipal solid waste and 10,000 tonnes per year of FOGO waste.
22	Inclusion of a second FOGO waste acceptance and storage system.
22	Wording amended to more clearly identify how long putrescible waste is stored at the Premises. A 72 hour time limit, for storing FOGO waste, was added to the licence. FOGO shipments do not occur over the weekend so this allows FOGO to be stored in sealed containers over the weekend and taken off site on Monday.

Appendix 1: Application validation summary

SECTION 1: APPLICATION SUMMARY (as updated from validation checklist)				
Application type				
Works approval	<input type="checkbox"/>			
Licence	<input type="checkbox"/>	Relevant works approval number:		None <input type="checkbox"/>
		Has the works approval been complied with?	Yes <input type="checkbox"/> No <input type="checkbox"/>	
		Has time limited operations under the works approval demonstrated acceptable operations?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	
		Environmental Compliance Report / Critical Containment Infrastructure Report submitted?	Yes <input type="checkbox"/> No <input type="checkbox"/>	
		Date Report received:		
Renewal	<input type="checkbox"/>	Current licence number:		
Amendment to works approval	<input type="checkbox"/>	Current works approval number:		
Amendment to licence	<input checked="" type="checkbox"/>	Current licence number:	L7303/1998/10	
		Relevant works approval number:	N/A	<input checked="" type="checkbox"/>
Registration	<input type="checkbox"/>	Current works approval number:	None	<input type="checkbox"/>
Date application received				
Applicant and Premises details				
Applicant name/s (full legal name/s)		Western Metropolitan Regional Council		
Premises name		West Metro Recycling (previously known as the JFR (Jim) McGeough Resource Recovery Facility)		
Premises location		60 Lemnos Street, Shenton Park		
Local Government Authority		Part of Lot 11541 on Deposited Plan 189946		
Application documents				
HPCM file reference number:		DEC8923/1~4		
Key application documents (additional to application form):		<ul style="list-style-type: none"> Cover Letter Aerial photo of WMRC site WMRC Transfer Station Site Services Drawing Odour screen analysis 		
Scope of application/assessment				

Summary of proposed activities or changes to existing operations.	<p>The current licence for the site provides for the receipt of up to 10,000 tpa of FOGO waste. A licence amendment is sought for the receipt of up to 20,000 tpa of FOGO waste.</p> <p>A licence amendment is additionally sought to increase the maximum MSW throughput by 10,000 tpa from 105,000 tpa to 115,000 tpa.</p>
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Category number/s (activities that cause the premises to become prescribed premises)

Table 1: Prescribed premises categories

Prescribed premises category and description	Assessed production or design capacity	Proposed changes to the production or design capacity (amendments only)
Category 62: Solid waste depot: premises on which waste is stored, or sorted, pending final disposal or re-use.	105,000 tpa of MSW (60,000 tpa is only permitted onto the premises to be weighed). 10,000 tpa of FOGO waste.	Increase to 115,000 tpa (up 10,000 tpa) of MSW (75,000 tpa permitted for handling and storage (up 10,000 tpa) and remaining 60,000 tpa for weighing purposes only (no change)). Increase to 20,000 tpa of FOGO waste.

Legislative context and other approvals

Has the applicant referred, or do they intend to refer, their proposal to the EPA under Part IV of the EP Act as a significant proposal?	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"/>
Does the applicant hold any existing Part IV Ministerial Statements relevant to the application?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Ministerial statement No: EPA Report No:
Has the proposal been referred and/or assessed under the EPBC Act?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Reference No:
Has the applicant demonstrated occupancy (proof of occupier status)?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Certificate of title <input checked="" type="checkbox"/> General lease <input type="checkbox"/> Expiry: Mining lease / tenement <input type="checkbox"/> Expiry: Other evidence <input type="checkbox"/> Expiry:

Has the applicant obtained all relevant planning approvals?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Approval: Expiry date: If N/A explain why? Relevant planning approval still valid.
Has the applicant applied for, or have an existing EP Act clearing permit in relation to this proposal?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	CPS No: N/A No clearing is proposed.
Has the applicant applied for, or have an existing CAWS Act clearing licence in relation to this proposal?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Application reference No: N/A Licence/permit No: N/A No clearing is proposed.
Has the applicant applied for, or have an existing RIWI Act licence or permit in relation to this proposal?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Licence/permit No: GWL175532 Expires 10/05/2022 2400kL Taking of water for the irrigation of road verge, lawns and gardens
Does the proposal involve a discharge of waste into a designated area (as defined in section 57 of the EP Act)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	N/A
Is the Premises situated in a Public Drinking Water Source Area (PDWSA)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	N/A
Is the Premises subject to any other Acts or subsidiary regulations (e.g. <i>Dangerous Goods Safety Act 2004, Environmental Protection (Controlled Waste) Regulations 2004, State Agreement Act xxxx</i>)	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Asbestos - <i>Environmental Protection (Controlled Waste) Regulations 2004</i> Household Hazardous Waste drop off facility - <i>Dangerous Goods Safety Act 2004</i>
Is the Premises within an Environmental Protection Policy (EPP) Area?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Is the Premises subject to any EPP requirements?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Is the Premises a known or suspected contaminated site under the <i>Contaminated Sites Act 2003</i> ?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Classification: N/A Date of classification: N/A