



Application for Licence Amendment

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

Licence Number	L6958/1997/12
Licence Holder	City of Canning
File Number	2013/000045-2
Premises	Ranford Road Waste Transfer Station 81 Ranford Road; 330 and 350 Bannister Road; 76 Clifton Road; CANNING VALE WA 6155 Legal description – Lot 76 on Plan 2903 Lot 77 on Plan 2903 Lot 78 on Plan 2903 Lot 300 on Plan 30748 Lot 301 on Plan 30748 Lot 302 on Plan 30748 Lot 500 on Plan 15262 As defined by the Premises map and the coordinates in Schedule 1 of the Revised Licence
Date of Report	31 January 2023
Decision	Revised licence granted

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A/MANAGER, WASTE INDUSTRIES

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

31 January 2023

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1. Decision summary

Licence L6958/1997/12 is held by the City of Canning (Licence Holder) for the Ranford Road Waste Transfer Station (the Premises), located at 81 Ranford Road, 330 and 350 Bannister Road and Lot 76 Clifton Road.

This Amendment Report documents the assessment of potential risks to the environment and public health from proposed changes to the emissions and discharges during the operation of the Premises. As a result of this assessment, Revised Licence L6958/1997/12 has been granted.

The Revised Licence issued as a result of this amendment consolidates and supersedes the existing Licence previously granted in relation to the Premises. The Revised Licence has been granted in a new format with existing conditions being transferred, but not reassessed, to the new format.

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 Amendment summary

The City of Canning operates a waste transfer station on land previously associated with the Ranford Road Landfill. The City of Canning ceased to receive waste for burial in 2005 and the landfill category was removed from the licence in 2013. The premises operates as a transfer station and as a works depot for the City of Canning. The transfer station itself is not located on the former landfill cells however the area previously used for the Class II landfill is included in the area of this licence.

The transfer station receives waste from residents of the City of Canning and some waste generated by the City itself. Wastes accepted are Clean Fill, Inert Waste Type 1, Inert Waste Type 2 (tyres and plastics), Special Waste Type 1 (asbestos products), Putrescibles (Green Waste and household furnishings only) and Hazardous Waste (waste oil, paint, vehicle batteries, and e-waste).

The operational area includes:

- surfaced access roads;
- a fully enclosed shed where waste other than green waste is dropped off and sorted and collected by trucks for removal for off-site processing or disposal. Waste generally remains in the shed for less than 24 hours before being removed from the premises;
- a bunded, enclosed household hazardous waste collection depot;
- a vehicle wash down bay;
- outdoor storage bays for inert materials used for council works; and
- a green waste and shredded/mulched green waste storage area surfaced with crushed road base.

On 25 October 2022 the Licence Holder submitted an application to the department to amend Licence L6958/1997/12 under section 59 and 59B of the *Environmental Protection Act 1986* (EP Act) to update the licence to cover all materials collected as part of the State Government's Hazardous Household Waste program. Whilst the existing site licence

references the bundled, enclosed hazardous household waste collection depot, Table 2 of the licence provides only a limited number of items currently collected, that being waste oil, paint, vehicle batteries, and e-waste. The acceptance of hazardous household wastes is not a new activity at the premises, however the variety of wastes accepted is expanding. The hazardous wastes listed in Table 1 are the new wastes intended on being accepted. The Licence Holder has also advised DrumMuster products are not accepted and to remove this from the Licence.

It was also requested that the premises details be updated to accurately reflect the street address and lot numbers.

Table 1: Hazardous household wastes to be included Licence

Hazardous household wastes for addition		
Acids and alkalis	Aerosols	Batteries (household)
Engine coolants and glycols	Fire extinguishers (non halon only)	Flammables
Flares	Fluorescent lamps and tubes (CFLs)	Gas cylinders (small household)
Household chemicals (including unknown chemicals)	Paint	Pesticides/herbicides
Poisons/toxics	Pool chemicals	Smoke detectors

The Licence Holder has advised they do not intend on increasing the volume of waste accepted at the premises and do not need to construct additional infrastructure, therefore there are no proposed changes to Category 62 activities from the previously assessed Existing Licence L6958/1997/12, as outlined in Table 2.

Table 2: Approved production capacity

Category	Assessed production capacity
Category 62: Solid waste depot: premises on which waste is stored or sorted pending final disposal or re-use, other than in the course of operating – (a) a refund point (as defined in the Waste Avoidance and Resource Recovery Act 2007 section 47C(1)) (a refund point); or (b) a facility or other place (an aggregation point) for the aggregation of containers that have been returned to refund points until those containers are accepted for processing or disposal.	40 000 tonnes per year

2.3 Consolidation of Licence

As part of this amendment package the department has consolidated the licence by incorporating changes made under the Amendment Notices as summarised in Table 3.

Table 3: Licences consolidated in this amendment

Instrument	Issued	Summary of approval
16/05/2022	L6958/1997/12	Notice of Amendment of Licence Reporting Requirements to reduce the frequency of environmental reporting from annual to biennial, commencing 28 August 2023 and biennially thereafter. Notice of Amendment of Licence Reporting Requirements to amend the reporting date for the AACR to 28 August annually.

The obligations of the Licence Holder have not changed in consolidating the licence. The department has not undertaken any additional risk assessment of the Premises related to previous Amendment Notices.

The full consolidation of licence conditions as they relate to this Revised Licence are detailed in Section 5.1. Previously issued Amendment Notices will remain on the department’s website for future reference and will act as a record of the department’s decision making.

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 4 below. Table 4 also details the proposed control measures the Licence Holder has proposed to assist in controlling these emissions, where necessary.

Table 4: Licence Holder controls

Sources	Emission	Potential pathways	Proposed controls
Storage of hazardous household wastes at the transfer station	Leachate	Subsurface seepage	Hazardous waste is stored in a purpose built, fully enclosed, bunded shed with a sealed floor. Existing signage alerts public to types of waste accepted.
	Contaminated stormwater	Overland flow	All unknown chemicals must be in sealed, chemical resistant containers. Only domestic wastes accepted, with limits of 20 kg or 20 L per waste type. Maximum of 100 L of paint accepted per delivery, to be contained in containers of maximum size of 20 L each.

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 5 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 5: Sensitive human and environmental receptors and distance from prescribed activity

Human receptors	Distance from prescribed activity
Residential premises	Adjacent to the premises boundary to the south east 50 m to the east, across Ranford Rd 500 m to the north west, across Canning Vale Railway
Environmental receptors	Distance from prescribed activity
Public Drinking Water Source Areas	Priority 1 protection zone within the Jandakot Underground Water Pollution Control Area 200 m from premises boundary Priority 2 protection zone within the Jandakot Underground Water Pollution Control Area 800 m from premises boundary
Groundwater areas declared under the <i>Rights in Water and Irrigation Act 1914</i>	Within the Jandakot Groundwater Area Within the Perth Groundwater Area
Geomorphic wetlands of the Swan Coastal Plain	Damplands located within the premises boundary, to the east and to the west. Unnamed wetlands of conservation significance located adjacent to the premises boundary to the west.
Threatened Ecological Communities	Priority 3 listed Banksia Dominated Woodlands of the Swan Coastal Plain located within the premises boundary, adjacent to the premises boundary and multiple pockets within a 1 km radius of the premises boundary
Threatened and Priority Flora	One threatened flora <i>Caladenia huegelii</i> and one Priority 4 rare or near threatened flora <i>Tripterococcus</i> sp. <i>Brachylobus</i> have been located within 1 km of the premises boundary.
Threatened and Priority Fauna	Two endangered bird species, one vulnerable bird species, one reptile species listed as Priority 3 poorly-known species and one mammal species listed as Priority 4 rare or near threatened have been located within 1 km of the premises boundary.
Bush Forever	Site 388 located within the premises boundary and adjacent to the premises boundary to the south west. Site 245 adjacent to the premises boundary to the west.



Figure 1: Distance to sensitive receptors

Licence: L6958/1997/12 (Amended 31/01/2023)

IR-T15 Amendment report template v3.0 (May 2021)

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 in-complete 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 6.

The Revised Licence L6958/1997/12 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 6. Risk assessment of potential emissions and discharges from the Premises during operation

Risk Event					Risk rating ¹ C = consequence L = likelihood	Licence Holder's controls sufficient?	Conditions ² of licence	Justification for additional regulatory controls
Source / Activities	Potential emission	Potential pathways and impact	Receptors	Licence Holder's controls				
Operation								
Storage of hazardous household wastes at the transfer station	Leachate	Subsurface seepage Impacts to groundwater quality	Groundwater users Groundwater sources	Refer to Section 5.1	C = Minor L = Unlikely Moderate Risk	Yes	Condition 1, 3, 4, 5, 7, 9, 16 and 17 Conditions 2 and 6	The existing collection shed will be used for storage of the additional hazardous wastes intended to be accepted. The shed has been constructed to be fully enclosed and bunded with a sealed floor. The Delegated Officer considers this infrastructure is sufficient to mitigate risks posed by the current and proposed hazardous household wastes to the generation of leachate and contaminated stormwater.
	Contaminated stormwater	Overland flow Impacts to surface water quality	Wetlands, vegetation and fauna of the area	Refer to Section 5.1	C = Minor L = Unlikely Moderate Risk	Yes	Conditions 1 and 13	Existing licence conditions will be amended to incorporate the requested additional hazardous household wastes. No additional licence conditions are required.

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. **Bold and underline text** depicts additional regulatory controls imposed by department.

4. Consultation

Table 7 provides a summary of the consultation undertaken by the department.

Table 7: Consultation

Consultation method	Comments received	Department response
Licence Holder provided with draft amendment 23/01/2023	An email was received from the Licence Holder on 25/01/2023 advising that 'unknown chemicals' had been omitted from the draft licence and that reference to DrumMuster products could be removed as the facility is not a drop off location.	The licence has been updated as requested.

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 8 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 8: Summary of licence amendments

Condition no.	Proposed amendments
N/A	Premises details updated to correct the street address and legal land description.
Condition 1 Table 1	Row 2 addition of requirement for chemicals to be stored in sealed, chemical resistant containers
Condition 2 Table 2	Row 6 addition as requested for specified hazardous household wastes authorised to be accepted at the premises
Condition 6 Table 3	Row 6 addition of requirement for hazardous household wastes to be stored in the hazardous waste collection depot
Condition 22	AACR submission date amended to 28 August in each year, in accordance with the Notice of Amendment of Reporting Requirements (16/05/2022).
Condition 25 Table 7	Environmental Reporting amended to 28 August 2023 and then biennially thereafter, in accordance with the Notice of Amendment of Reporting Requirements (16/05/2022).
Definitions Table 8	Definitions updated to include approved form and condition as per the Notice of Amendment of Reporting Requirements (16/05/2022).

References

1. Department of Environment Regulation (DER) 2015, *Guidance Statement: Setting Conditions*, Perth, Western Australia.
2. Department of Water and Environmental Regulation (DWER) 2020, *Guideline: Environmental Siting*, Perth, Western Australia.
3. DWER 2020, *Guideline: Risk Assessments*, Perth, Western Australia.

Appendix 1: Application validation summary

SECTION 1: APPLICATION SUMMARY				
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 checked="" 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:	L6958/1997/12	
		Relevant works approval number:		N/A <input type="checkbox"/>
Registration	<input type="checkbox"/>	Current works approval number:		None <input type="checkbox"/>
Date application received	25 October 2022			
Applicant and Premises details				
Applicant name/s (full legal name/s)	City of Canning			
Premises name	Ranford Road Waste Transfer Station			
Premises location	Lot 9006, Part Lot 9005, Lot 9004, Part Lot 9002 Part Lot 9001 Lot 300, and Lot 76 Johnston Road, Canning Vale WA 6155			
Local Government Authority	City of Canning			
Application documents				
HPCM file reference number:	2013/000045-2			
Key application documents (additional to application form):	Accepted materials list Premises map			
Scope of application/assessment				
Summary of proposed activities or changes to existing operations.	Licence amendment Request to amend the licence to accurately reflect all hazardous household wastes intended to be accepted at the premises.			

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, other than in the course of operating – (a) a refund point (as defined in the <i>Waste Avoidance and Resource Recovery Act 2007</i> section 47C(1)) (a <i>refund point</i>); or (b) a facility or other place (an <i>aggregation point</i>) for the aggregation of containers that have been returned to refund points until those containers are accepted for processing or disposal.	40,000 tonnes per annual period	

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 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"/>		
Has the proposal been referred and/or assessed under the EPBC Act?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Has the applicant demonstrated occupancy (proof of occupier status)?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Has the applicant obtained all relevant planning approvals?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>		
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"/>	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"/>	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 type="checkbox"/> No <input checked="" type="checkbox"/>	Licence / permit not required.	
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"/>		
Is the Premises situated in a Public Drinking Water Source Area (PDWSA)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Is the Premises subject to any other Acts or subsidiary regulations (e.g. <i>Dangerous Goods Safety Act 2004</i> , <i>Environmental Protection (Controlled Waste) Regulations 2004</i> , <i>State Agreement Act xxxx</i>)	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"/>		
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 checked="" type="checkbox"/> No <input type="checkbox"/>	Site ID 34779, 36127,36128,36129, 36131, 36827, 36828, 36831, 36832, 36833, Possibly contaminated investigation required	