



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

Premises

Ranford Road Waste Transfer Station

Lot 9006, Part Lot 9005, Lot 9004, Part Lot 9002 Part Lot
9001 Lot 300, and Lot 76 Johnston Road

CANNING VALE WA 6155

Date of Report 5 July 2021

Proposed Decision Revised licence granted

Melissa Chamberlain
A/MANAGER WASTE INDUSTRIES
REGULATORY SERVICES

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

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1. Decision summary

Licence L6958/1997/2 is held by City of Canning (Licence Holder) for the Ranford Road Transfer Station (the Premises), located at Lot 76, Part Lot 77 and Part Lot 78 on Plan 2903, Lots 300, 301 and 302 on Plan 30748, and Lot 500 on Plan 15262 Canning Vale, WA.

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 Application summary

On 21 April 2021, 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). The following amendments are being sought:

- A realignment of the Premises boundary due to the acquisition by the State Government of land for the Thornlie-Cockburn Link Railway Project. Through the subdivision process, the State Government is creating new Lot numbers and this application to DWER reflects these updated lot numbers.
- One of the monitoring bores, RR08, is outside of the new proposed Premises boundary. Accordingly, the Licence Holder is requesting that the condition relating to the monitoring of this bore be amended to remove this bore from the Licence.

This amendment is limited only to changes to Category 62 activities from the Existing Licence. No other changes to the aspects of the existing Licence have been requested by the Licence Holder. 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, Drum Master products and e-waste).

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

Table 1: Proposed design or throughput capacity changes

Category	Current design throughput capacity	Proposed design throughput capacity	Description of proposed amendment
62	40,000 tonnes per annual period	40,000 tonnes per annual period	No changes to design capacity throughput – just a change in Premises

			<i>boundary and monitoring bore.</i>
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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 *Guidance Statement: Risk Assessments* (DER 2017).

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 2 below. Table 2 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
<i>Leachate</i>	<i>Historic landfill activity. The waste transfer station accepts inert and green waste</i>	<i>Contamination of surrounding land, surface water drainage systems and ground water.</i>	<i>Groundwater monitoring resultant from previous Class II landfill activity (landfill closed in 2005 and Category 64 subsequently removed from licence). Fully enclosed shed. Inert waste does not generate leachate and given the short greenwaste storage time, greenwaste does not generate leachate.</i>
<i>Stormwater</i>	<i>Transfer station and greenwaste</i>	<i>Contamination of surrounding land, surface water drainage systems and ground water.</i>	<i>Fully enclosed shed for transfer station. Stormwater and wash down water from areas the transfer station shed, and the vehicle wash down bay are directed to a clay lined evaporation pond with sufficient freeboard that is desludged annually. Stormwater from the green-waste storage area is directed to a compensation basin.</i>

3.1.2 Receptors

In accordance with the *Guidance Statement: Risk Assessment* (DER 2017), 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 3 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 (*Guidance Statement: Environmental Siting* (DER 2016)).

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

Human receptors	Distance from prescribed activity
<i>Closest residential receptor</i>	<i>350m south</i>
Environmental receptors	Distance from prescribed activity
<i>Contaminated Sites</i>	<i>Premises are classified as 'Potential contaminated-investigation required'.</i>
<i>Bush Forever: Regional open space or proposed regional open space</i>	<i>Bushforever site 388 is located immediately to the west of the Premises boundary and inside the southeast third of the premises</i>
<i>Wetlands</i>	<i>A small conservation wetland (Ranford Road Wetland) is located inside the northeast boundary of the premises.</i>
<i>Groundwater</i>	<i>Depth to groundwater is 3.5m to 4.5m below ground surface level in the area of the Transfer Station.</i>

3.2 Risk ratings

Risk ratings have been assessed in accordance with the *Guidance Statement: Risk Assessments* (DER 2017) 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 4.

The Revised Licence L6958/1997/12 that accompanies this Amendment Report authorises emissions associated with the operation of the Premises i.e. Waste transfer station activities.

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 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								
Transfer station and greenwaste storage	Leachate	Contamination of surrounding land, surface water drainage systems and ground water.	Depth to groundwater is 3.5m to 4.5m below ground surface level. Bushforever site 388 is located immediately to the west of the Premises boundary and inside the southeast third of the premises. A small conservation wetland (Ranford Road Wetland) is located inside the northeast boundary of the premises.	Refer to Section 3.1	C = Minor L = Rare Low Risk	Y	NA	<p>NA - DWER Contaminated Sites advice was received in relation to removal of bore RR08 which indicated that:</p> <ul style="list-style-type: none"> Bore RR08 relates to groundwater monitoring for leachate impacts from previous Category 64 landfill activities. They are not reflective or associated with the current Category 62 activity. The removal of RR08 is considered acceptable and does not require a replacement under licence <p>The Delegated Officer agrees with the advice and has not placed any additional requirements on the licence in relation to the removal of bore RR08.</p>
	Stormwater		C = Minor L = Rare Low Risk		Y	NA	NA	

Note 1: Consequence ratings, likelihood ratings and risk descriptions are detailed in the *Guidance Statement: Risk Assessments* (DER 2017).

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

Licence: L6958/1997/12

4. Consultation

Table 5 provides a summary of the consultation undertaken by the department.

Table 5: Consultation

Consultation method	Comments received	Department response
<i>Licence Holder was provided with draft amendment on (28/6/2021 and provided comment on 2/7/2021</i>	<ul style="list-style-type: none"> <i>Typographical error in table 2 of Draft Condition 2 requires amending from “top” to “to”</i> <i>Draft Conditions 23 and 24 replacing current Condition 5.1 (Records) contains different requirements to the existing conditions. The City has no objection to the change provided it is only effective from the date of issue of the updated licence.</i> 	<p><i>Changed.</i></p> <p><i>Condition 23 and 24 will not take effect until the date of the updated licence</i></p>

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 6 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
Premises address	Amended for new boundary request
18	Remove Bore RR08 from the licence due to new premises boundary
Schedule 1 and 2	New premises map, monitoring bore location map and GPS coordinates included for new premises boundary

All Conditions from the Existing Licence have been converted to and replaced with the following Conditions of the Revised Licence. Table 7 outlines the conversion of licence conditions.

Table 7: Consolidation of licence conditions in this amendment.

Existing condition	Revised licence condition
1.1.3	Removed from licence
1.1.4	Removed from licence
1.2.1	Removed from licence
1.2.2	Condition 20
1.2.3	Condition 4 and 5
1.2.4	Condition 4 and 5
1.2.5	Condition 13
1.2.6	Condition 8
1.3.1	Condition 2
1.3.2	Condition 3
1.3.3	Condition 6
1.3.4	Condition 7
1.3.5	Condition 9
1.3.6	Condition 10
1.3.7	Condition 11
1.3.8	Condition 12
2.6.1	Condition 14
2.6.2	Condition 14
2.7.1	Condition 15
3.1.1	Condition 18 and 19
3.1.2	Condition 18 and 19
3.1.3	Condition 20
3.1.4	Condition 20
3.6.1	Condition 16 and 17
3.8.1	Condition 18
4.1.1	Removed from licence as Asbestos Management Plan has been submitted

Existing condition	Revised licence condition
5.1.1	Condition 23 and 24
5.1.2	Removed from licence as condition considered redundant
5.1.3	Condition 22
5.1.4	Condition 21
5.2.1	Condition 25
5.2.2	Condition 25
5.3.1	Removed from licence

References

1. Department of Environment Regulation (DER) 2016, *Guidance Statement: Environmental Siting*, Perth, Western Australia.
2. DER 2017, *Guidance Statement: Risk Assessments*, Perth, Western Australia.
3. DER 2015, *Guidance Statement: Setting Conditions*, Perth, Western Australia.
4. DWER, June 2019. *Guideline: Industry Regulation Guide to Licensing*. Department of Water and Environmental Regulation, Perth.
5. DWER, June 2019. *Guideline: Decision Making*. Department of Water and Environmental Regulation, Perth.
6. DWER, June 2019. *Guideline: Odour emissions*. Department of Water and Environmental Regulation, Perth.

Appendix 2: 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:	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	3/02/2021			
Applicant and Premises details				
Applicant name/s (full legal name/s)	City of Canning			
Premises name	Ranford Road Transfer Station			
Premises location	Lot 9006, Part Lot 9005, Lot 9004, Part Lot 9002 Part Lot 9001 Lot 300, and Lot 76 Johnston Road			
Local Government Authority	City of Canning			
Application documents				
HPCM file reference number:	2013/000045			
Key application documents (additional to application form):	Application Form			
Scope of application/assessment				
Summary of proposed activities or changes to existing operations.	Licence amendment Operation of Transfer station Amendment to change Premises boundary and remove one bore from the licence as the bore will no longer be within the proposed new Premises boundary			

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.	40,000 tonnes per annual period	None

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"/>	
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"/>	
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"/>	
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"/>	
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"/>	

<p>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>)</p>	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>	
<p>Is the Premises within an Environmental Protection Policy (EPP) Area?</p>	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>	
<p>Is the Premises subject to any EPP requirements?</p>	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>	
<p>Is the Premises a known or suspected contaminated site under the <i>Contaminated Sites Act 2003</i>?</p>	<p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>	