



Application for Licence Amendment

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

Licence Number	L7200/1997/10
Licence Holder	Cleanaway Pty Ltd
ACN	000 164 938
File Number	2010/008332-1~2
Premises	Gordon Road Transfer Station LOT 300 ON PLAN 401608 Corsican Place PARKLANDS WA 6180
Date of Report	21 September 2022
Proposed Decision	Revised licence granted

STEPHEN CHECKER
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 L7200/1997/10 held by Cleanaway Pty Ltd (licence holder) for the Gordon Road Transfer Facility (the premises), located at Corsican Place, Parklands.

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 L7200/1997/10 has been granted.

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 June 2022, the licence holder submitted an application to the department to amend licence L7200/197/10 under section 59 and 59B of the *Environmental Protection Act 1986* (EP Act). The following amendment is being sought:

- Extend the permitted compactor operating hours from “0700 to 1900 Monday to Saturday (excluding public holidays)” and “0900 to 1600 on Sundays and public holidays” to “0700 to 1900 Monday to Sunday (including public holidays)”

This amendment is limited only to changes to Category 62 activities from the existing licence. No changes to the aspects of the existing licence relating to Categories 57 and 61A have been requested by the licence holder. No changes to premises capacity or throughput are proposed.

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 1 below. Table 1 also details the proposed control measures the licence holder has proposed to assist in controlling these emissions, where necessary.

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Table 1: Licence holder controls

Emission	Sources	Potential pathways	Proposed controls
Noise	Compaction and baling of solid waste material	Air/windborne pathway	Physical separation from sensitive receptors Activity restricted to enclosed sheds Restriction of operating hours Ongoing compliance with <i>Environmental Protection (Noise) Regulations 1997</i>

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 from its assessment. Protection of these parties often involves different exposure risks and prevention strategies, and is provided for under other state legislation.

Table 2 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 2: Sensitive human and environmental receptors and distance from prescribed activity

Receptor ID	Human receptors	Distance from prescribed activity
H1	Rural residential dwelling, 2- 4 Marri Court, Parklands	Approximately 160 m southeast of premises boundary
H2	Rural residential dwelling, 3 Marri Court, Parklands	Approximately 215 m southeast of premises boundary
H3	Meadow Springs Reserve (R21319) and Sports Facility, Oakmont Avenue, Meadow Springs (Public Recreation)	Approximately 182 m west of premises boundary
H4	Residential premises, Elkridge Turn, Meadow Springs	Approximately 160 m north of premises boundary
H5	Frederick Irwin Anglican School, 33-36 Gordon Road, Mandurah	Approximately 480 m southwest of premises boundary
H6	RAAFA Estate Meadow Springs, 41 Portrush Parade, Meadow Springs	Approximately 375 m west of premises boundary

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Receptor ID	Environmental receptors	Distance from prescribed activity
E1	Groundwater (private bores)	Groundwater approximately 10.5 metres below ground level (Groundwater salinity 500-1000 mg/L) Multiple private bores within neighboring rural residential properties
E2	Reserve 29777 (Public Recreation)	Approximately 100 m east of premises boundary
E3	Goegrup Lake - Conservation Category Wetland, and Class 3 Reserve (R 26351)	Approximately 1.2 km southeast of premises boundary
E4	Indian Ocean	Approximately 2 km west of premises boundary



Figure 1: Distance to sensitive human and environmental receptors

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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 3.

The revised licence L7200/1997/10 that accompanies this amendment report authorises emissions associated with the operation of the premises i.e. extended waste compactor operating hours. The conditions in the Revised Licence have been determined in accordance with *Guidance Statement: Setting Conditions* (DER 2015).

Table 3: 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 of licence	Justification for additional regulatory controls
Source/Activities	Potential emission	Potential pathways and impact	Receptors	Licence holder's controls				
Operation								
Solid waste compactor units within Waste Transfer Shed and the Recyclables Handling Facility	Noise	Air/windborne pathway causing impacts to health and amenity	Marri Court residences	Refer to Section 3.1.1	C = Low L = Unlikely Low Risk (refer to 3.3 for discussion)	Y	Conditions 3 and 22	N/A Ongoing noise emissions to comply with the <i>Environmental Protection (Noise) Regulations 1997</i>

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

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3.3 Additional information

3.3.1 Noise emissions

The licence holder engaged acoustical consultancy Herring Storer Acoustics to undertake monitoring of noise emissions from the premises. The focus of this noise monitoring was to measure the existing noise emissions from the premises, and assess them against the provisions of the *Environmental Protection (Noise Regulations) 1997* (Noise Regulations); with the subsequent acoustic assessment to be used in support an application to change the approved waste compactor operating hours (currently set out in licence L7200/1997/10).

The licence holder has applied to extend the currently prescribed waste compactor operating hours, specifically 07:00 and 19:00, Monday to Saturday (excluding public holidays) and 09:00 and 16:00 on Sundays and public holidays to 07:00 to 19:00 seven-days a week (inclusive of any public holidays). To facilitate this, analysis of the current noise emissions was undertaken, and measurements compared to the times when the plant is not in operation. i.e., between 07:00 and 09:00 and 16:00 and 19:00 on Sundays and public holidays.

The allowable noise level at the surrounding locales is prescribed by the Noise Regulations. Regulations 7 & 8 stipulate maximum allowable external noise levels determined by the calculation of an influencing factor, which is then added to the base levels. The influencing factor is calculated for the usage of land within two circles, having radii of 100m and 450m from the premises of concern.

The closest neighboring noise sensitive premises are 2 Marri Court, Parklands and 1 Elkrige Turn, Meadow Springs. To enable the assessment of noise emissions from the facility, noise level measurements were carried out continuously from the 17th to the 23rd of February 2022. Noise level measurements were conducted using three environmental noise loggers recording continuous noise levels at three different locations. The placement of the noise loggers was determined based on proximity to the Waste Transfer Shed and the Recyclables Handling Facility; and are depicted in Figure 2. The loggers were set to record continuous noise levels for the assessment period and were time synchronised so that the noise levels at each location were comparable. Weather conditions over the monitoring period were recorded, with the results used to compare periods of highest noise level propagation. The monitors were also set to record audio files, which were used to confirm noise sources during post analysis.

Assessment of the current operations for the premises determined that compliance at the residential locations with the criteria stipulated in the Noise Regulations, is achieved, for the current operational times of the facility. The change of the operating hours to an earlier start time would not impact the level of compliance at the highly noise sensitive receivers and based on the measured noise levels for background, would likely have no perceived difference for the facilities noise emissions. As such, the Delegated Officer has determined the requested operating hours are acceptable.



Figure 2: Noise monitoring locations.

4. Consultation

Table 4 provides a summary of the consultation undertaken by the department.

Table 4: Consultation

Consultation method	Comments received	Department response
Licence holder was provided with draft amendment on 11 August 2022	N/A	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 5 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 5: Summary of licence amendments

Condition no.	Proposed amendments
22	"The licence holder shall ensure that waste compactor units within the Waste Transfer Shed and the Recyclables Handling Facility are operated only between the hours of 07:00 and 19:00, Monday to Sunday (including public holidays)"
26	FEMP submission date specified as 12 September 2021 to reflect 60 days from date of previous licence amendment. DWER has not assessed compliance with this condition as part of this amendment and therefore the submission requirements has been retained on the licence.

6. 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: Summary of Licence holder's comments on risk assessment and draft conditions

Condition	Summary of licence holder's comment	Department's response
	No comments were received	

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Appendix 2: 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 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:	L7200/1997/10		
		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	21/06/2022				
Applicant and Premises details					
Applicant name/s (full legal name/s)	Cleanaway Pty Ltd				
Premises name	Gordon Road Transfer Station				
Premises location	Corsican Place, LOT 300 ON PLAN 401608 PARKLANDS WA 6180				
Local Government Authority	City of Mandurah				
Application documents					
HPCM file reference number:	L2010/008332-1~2				
Key application documents (additional to application form):	City of Mandurah endorsement and Cleanaway Solid Waste Depot Operating Hours Amendment: Acoustic Assessment (Herring Storer Acoustics, March 2022)				

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Scope of application/assessment		
Summary of proposed activities or changes to existing operations.	<p><i>Licence amendment</i></p> <p>To improve operation at the site, Cleanaway propose to extend the site operating hours, and more specifically the compactor operating hours, from “0700 to 1900 Monday to Saturday (excluding public holidays)” and “0900 to 1600 on Sundays and public holidays” to “0700 to 1900 Monday to Sunday (including public holidays)”</p>	
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 57: Used tyre storage	Less than 300 at any time	N/A
Category 61A: Solid waste facility	10, 000 tpa	N/A
Category 62: Solid waste depot	75, 000 tpa	N/A
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 checked="" 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 type="checkbox"/> General lease <input checked="" type="checkbox"/> Expiry: The City owns the Waste Management Centre located at 80 Corsican Place, Parklands and the facility is managed by Cleanaway Pty Ltd under contract with the City. Mining lease / tenement <input type="checkbox"/> Expiry: Other evidence <input type="checkbox"/> Expiry:

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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? Premises operated on behalf of City of Mandurah
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"/>	Name: N/A Type: Proclaimed Groundwater Area/Surface Water Area Has Regulatory Services (Water) been consulted? Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Regional office: Swan Avon / Mid-West Gascoyne / Kwinana Peel / North West / South West / Goldfields / South Coast
Is the Premises situated in a Public Drinking Water Source Area (PDWSA)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Name: N/A Priority: N/A Are the proposed activities/landuse compatible with the PDWSA (refer to <u>WQPN 25</u>)? Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <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"/>	

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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