



Application for Works Approval

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

Works Approval Number	W6896/2024/1
Applicant	Shire of Murray
File number	DER2024/000007
Premises	DER2024/000007 Legal description - Part of Lot 11 on Diagram 66827 (No. 834) As defined by the coordinates in Schedule 1 of the works approval
Date of report	27 May 2024
Decision	Works approval granted

Grace Heydon

**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

This decision report documents the assessment of potential risks to the environment and public health from emissions and discharges during the construction and operation of the premises. As a result of this assessment, works approval W6896/2024/1 has been granted.

2. Scope of assessment

2.1 Regulatory framework

In completing the assessment documented in this decision report, the Department of Water and Environmental Regulation (the department; DWER) 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 and overview of premises

On 11 January 2024, the applicant submitted an application for a works approval to the department under section 54 of the *Environmental Protection Act 1986* (EP Act).

The application is to undertake construction works relating to installation of a moving floor and compactor unit within the existing tipping platform at the premises. The premises is approximately 3.5 km north-east of Ravenswood and currently operates under licence L6976/1997/10.

The premises relates to the categories and assessed production / design capacity under Schedule 1 of the *Environmental Protection Regulations 1987* (EP Regulations) which are defined in works approval W6896/2024/1. The infrastructure and equipment relating to the premises category and any associated activities which the department has considered in line with *Guideline: Risk Assessments* (DWER 2020) are outlined in works approval W6896/2024/1.

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 construction and operation which have been considered in this decision report are detailed in Table 1 below. Table 1 also details the control measures the applicant has proposed to assist in controlling these emissions, where necessary.

Table 1: Proposed applicant controls

Emission	Sources	Potential pathways	Proposed controls
Construction			
Dust	Vehicle movements and installation of infrastructure/equipment	Air / windborne pathway	<ul style="list-style-type: none"> No Applicant controls proposed; Construction/installation of new infrastructure will occur within existing operating hours Construction/ installation expected to occur over 2 weeks
Noise	General Construction noise associated with installation of infrastructure/equipment.		
Operation			
Noise	Operation of new mechanical moving floor and compactor unit	Air/windborne pathway	<ul style="list-style-type: none"> Machinery only operated as required – not continuous; Operates within the existing shed Operations emissions and operating times will comply with the <i>Environmental Protection (Noise) Regulation 1997</i>

3.1.2 Receptors

In accordance with the *Guideline: Risk Assessment* (DWER 2020), the Delegated Officer has excluded the applicant’s employees, visitors, and contractors 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 and Figure 1 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

Human receptors	Distance from prescribed activity
Residential premises	~50m east; ~125m north; ~400m south; ~788 m south-south west; ~2.7 km west-south west; 2.9 km south east of the premises boundary.
‘Residential development’ zoned land	~1.4km south west of the premises boundary and ~2.9km south east of the premises boundary

Environmental receptors	Distance from prescribed activity
Peel Harvey Environmental Protection Policy (EPP)	Premises is within the EPP area

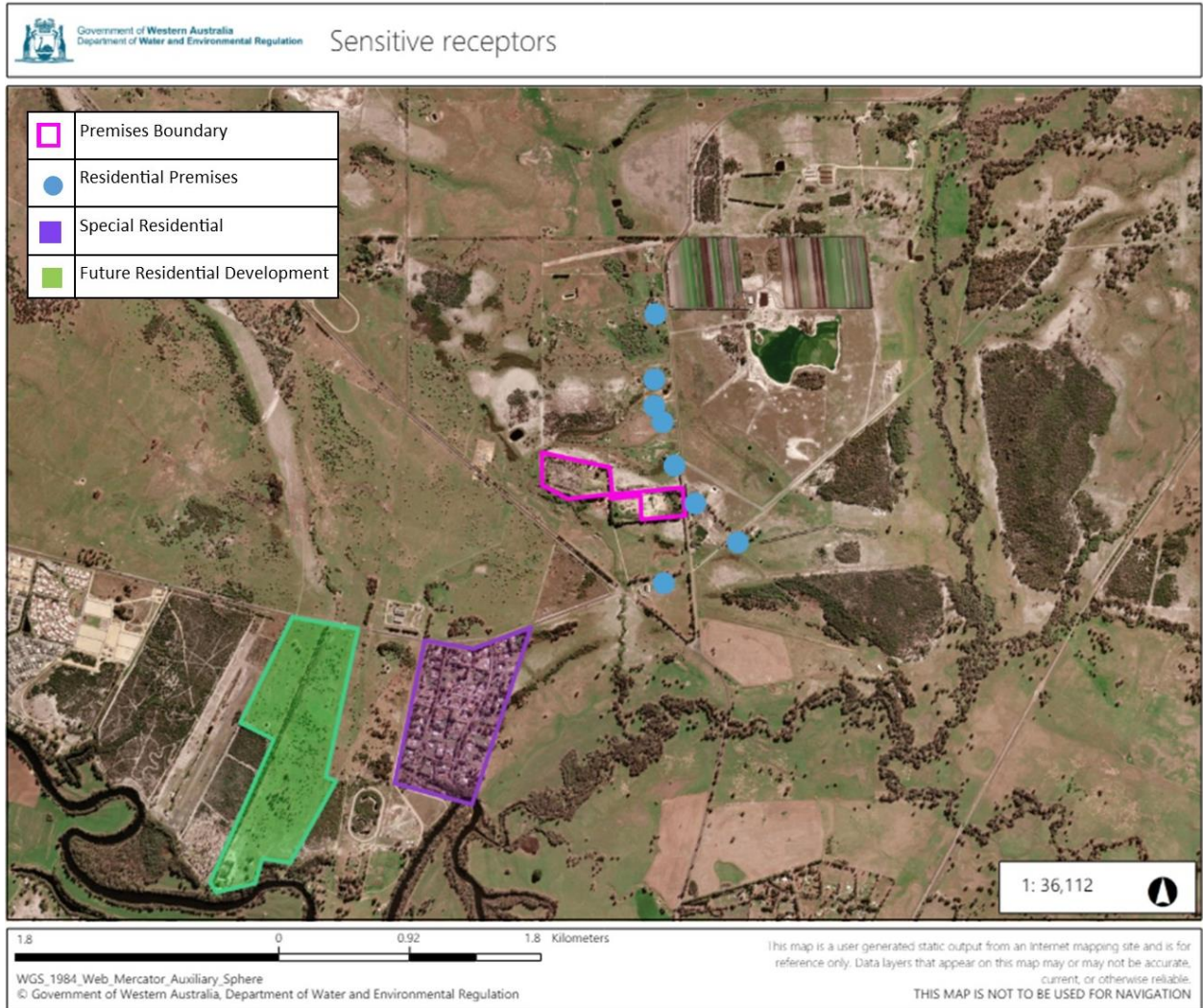


Figure 1: Distance to sensitive receptors

3.2 Risk ratings

Risk ratings have been assessed in accordance with the *Guideline: Risk Assessments* (DWER 2020) for each identified emission source 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 applicant 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 applicant's proposed controls to be critical to maintaining an acceptable level of risk, these will be incorporated into the works approval as regulatory controls.

Additional regulatory controls may be imposed where the applicant's controls are not deemed sufficient. Where this is the case the need for additional controls will be documented and justified in Table 3.

Works approval W6896/2024/1 that accompanies this decision report authorises construction only. The conditions in the issued works approval, as outlined in Table 3 have been determined in accordance with *Guidance Statement: Setting Conditions* (DER 2015).

A licence amendment is required to authorise emissions associated with the ongoing operation of the premises i.e. operation of the upgraded tipping platform floor and compactor unit. A risk assessment for the operational phase has been included in this decision report, however licence conditions will not be finalised until the department assesses the licence application.

Table 3: Risk assessment of potential emissions and discharges from the premises during construction and operation

Risk events					Risk rating ¹	Applicant controls sufficient?	Conditions ² of works approval	Justification for additional regulatory controls
Sources / activities	Potential emission	Potential pathways and impact	Receptors	Applicant controls	C = consequence L = likelihood			
Construction								
Installation of the new equipment	Dust	Air / windborne pathway causing impacts to health and amenity	Residences 150-800 m from premises	Refer to Section 3.1	C = Slight L = Unlikely Low Risk	Y	Condition 1, Table 1	N/A
Operation of machinery and vehicle movements	Noise				C = Slight L = Unlikely Low Risk	Y	Condition 1, Table 1	N/A
Operation								
Operation of new equipment	Noise	Air/windborne pathway causing impacts to health and amenity	Residences 150-800 m from premises	Refer to Section 3.1	C = Slight L = Unlikely Low Risk	Y	Condition 1, Table 1	N/A

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

Note 2: Proposed applicant controls are depicted by standard text. **bold and underline text** depicts additional regulatory controls imposed by department.

4. Consultation

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

Table 4: Consultation

Consultation method	Comments received	Department response
Application advertised on the department's website on 18 March 2024	None received	N/A
Applicant was provided with draft documents on 15/04/2024	Email received 16/05/2024 with no comment	N/A

5. Conclusion

Based on the assessment in this decision report, the delegated officer has determined that a works approval will be granted, subject to conditions commensurate with the determined controls and necessary for administration and reporting requirements.

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 (as updated from validation checklist)	
Application type	
Works approval	<input checked="" type="checkbox"/>
Date application received	15 January 2024
Applicant and Premises details	
Applicant name/s (full legal name/s)	Shire of Murray
Premises name	Corio Road Transfer Station
Premises location	Part of Lot 11 diagram 66827 volume No. 1679 Folio No. 375
Local Government Authority	Shire of Murray
Application documents	
HPCM file reference number:	DER2024/000007
Key application documents (additional to application form):	<i>Moving floor specifications</i> <i>Map</i> <i>Fee calculation</i>
Scope of application/assessment	
Summary of proposed activities or changes to existing operations.	<p><i>Works approval at an existing premises L6976/1997/10</i></p> <p>Construction of a moving floor and compactor unit to be located at the existing tipping platform. This is to allow waste to be compacted into enclosed 30m³ skip bins replacing the current open top 30m³ skip bins.</p> <p>New compactor has been designed with a 4.0 cubic metre pack chamber and a 495 mm pack off penetration into the bin thus keeping spillage when removing the bins for disposal to a minimum.</p> <p>Moving floor pit to cope with the rigors of solid inert transfer station waste. The new moving floor pit will be 25.0 m long 2.3 m wide and 600 mm deep on a 2.2 m high steel support structure.</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
Category 62: Solid waste depot: premises on which waste is stored, or sorted, pending final disposal or re-use.	10,000 tonnes per annual period

SECTION 1: APPLICATION SUMMARY (as updated from validation checklist)		
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 type="checkbox"/> No <input checked="" type="checkbox"/>	Certificate of title <input checked="" type="checkbox"/> Evidence not provided - the Department has existing evidence from a 2021 amendment at the same premises.
Has the applicant obtained all relevant planning approvals?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	N/A
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"/>	N/A
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"/>	N/A
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"/>	N/A
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

SECTION 1: APPLICATION SUMMARY (as updated from validation checklist)		
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"/>	<i>Dangerous Goods Safety Act 2004, Environmental Protection (Controlled Waste) Regulations 2004; Unauthorised discharge regs; Environmental Protection (noise) Regulations.</i>
Is the Premises within an Environmental Protection Policy (EPP) Area?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Peel Harvey Environmental Protection Policy
Is the Premises subject to any EPP requirements?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	N/A
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"/>	Classification: possibly contaminated – investigation required (PC–IR) Date of classification: 29 July 2015