



## Application for Licence

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

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<b>Licence Number</b>	L9303/2021/1
<b>Applicant</b>	Vanhar Co Pty Ltd t/as WA Recycled Asphalt
<b>ACN</b>	616 316 995
<b>File number</b>	DER2021/000481
<b>Premises</b>	Wattleup Asphalt Recycling Facility 13 Musson Road WATTLEUP WA 6166  Legal description - Part Lot 20, Diagram 75527, Volume 1837, Folio 895 and Part Lot 4, Diagram 18018, Volume 1177, Folio 833 As defined by the coordinates in Schedule 1 of the licence
<b>Date of report</b>	22 December 2021
<b>Proposed Decision</b>	Intent to grant licence

**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

This decision report documents the assessment of potential risks to the environment and public health from emissions and discharges during the operation of the premises. As a result of this assessment, licence L9303/2021/1 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 18 August 2021, the applicant submitted an application for a licence to the department under section 57 of the *Environmental Protection Act 1986* (EP Act).

The application is to seek a licence relating to the temporary storage, crushing, and screening of bituminous asphalt waste generated through road construction activities at the premises. The premises is approximately 3.5 km west-southwest of the residential suburb of Hammond Park.

The premises relates to the categories and assessed production capacity under Schedule 1 of the *Environmental Protection Regulations 1987* (EP Regulations) which are defined in licence L9303/2021/1. 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 licence L9303/2021/1.

## 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 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
<b>Operation</b>			
Dust	<p>Unloading and processing (crushing and screening) of material</p> <p>Lift-off from waste and product stockpiles</p>	Air / windborne pathway	<p>Physical separation distance between premises and residential receptors.</p> <p>Freestanding sprinklers on stockpiles.</p> <p>Low discharge height from the back of vehicles.</p> <p>Sprinklers on processing equipment.</p> <p>Wetting down input feedstock.</p> <p>Restriction of screening activities during unfavorable wind conditions.</p> <p>Slow filling of vehicles by placing material into bins and not dropping material from height.</p>
Noise	<p>Crushing and screening of material</p> <p>Vehicle movements and bin doors</p>	Air / windborne pathway	<p>Physical separation distance between premises and residential receptors.</p> <p>Low vehicle speed due to physical site constraints.</p> <p>Appropriate maintenance of all plant machinery and equipment is to be conducted on a regular basis.</p> <p>Processing operations to occur only within the unrestricted noise period (7.00 am to 7.00 pm).</p> <p>Processing only two days per fortnight.</p>
Sediment laden stormwater	<p>Stormwater runoff from waste and product stockpiles</p> <p>Vehicle movements</p>	Overland flow and tracking by delivery vehicles	<p>Premises is fenced, with a crushed road base and 100 mm recycled asphalt surface.</p> <p>All surface water flows to stormwater swales within the lease area or the greater property.</p>

### 3.1.2 Receptors

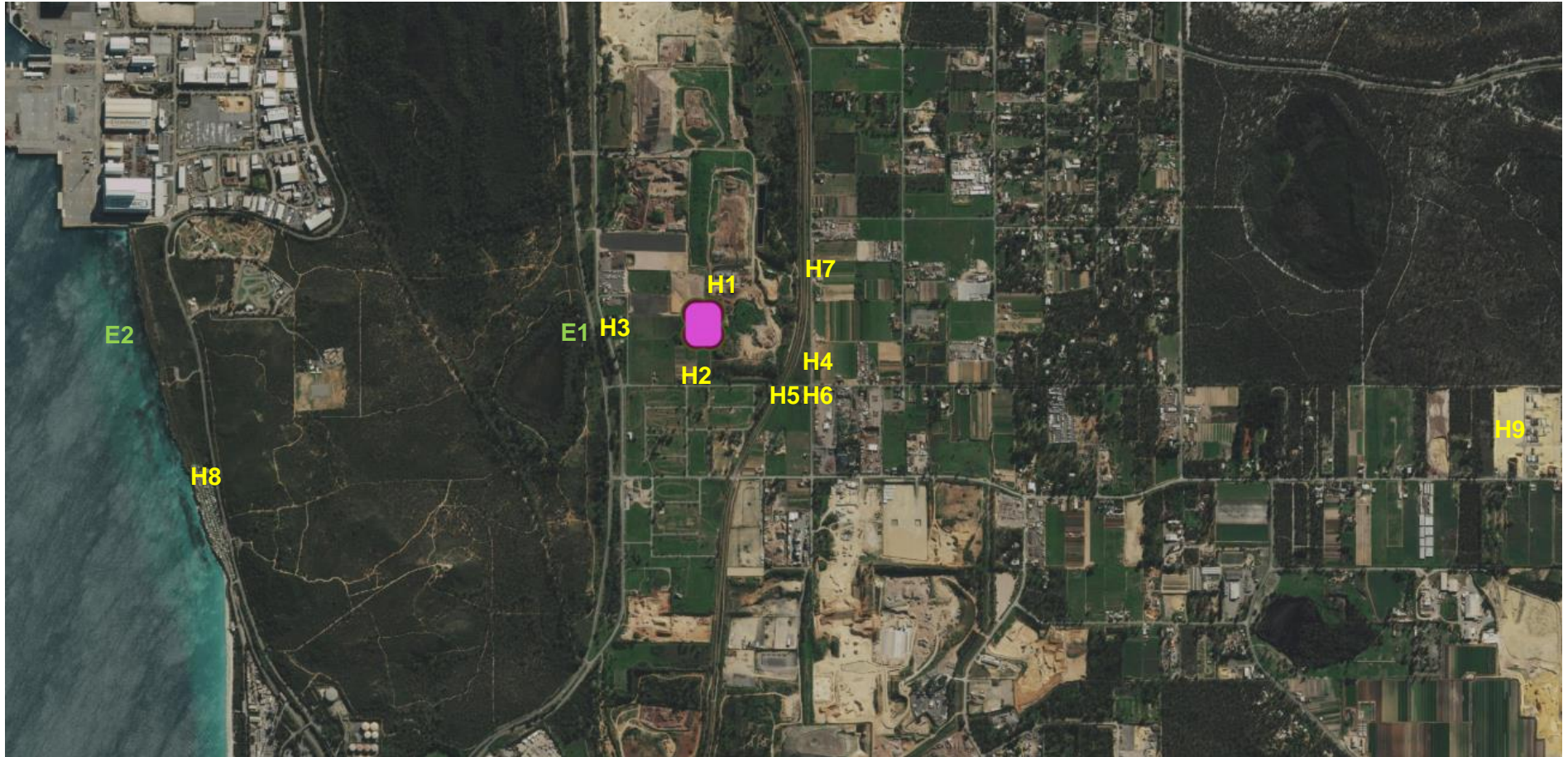
In accordance with the *Guideline: Risk Assessment* (DWER 2020), the Delegated Officer has excluded the applicant's employees, visitors, and contractors from its assessment. Protection of these parties often involves different exposure risks and prevention strategies, and is provided for under other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

<b>Receptor ID</b>	<b>Human receptors</b>	<b>Distance from prescribed activity</b>
H1	Adjoining industrial premises	Directly adjacent to premises boundary
H2	Rural property (Dallison Avenue, Wattleup)	Approximately 200 m southwest of southern premises boundary
H3	Rural property (Rockingham Road, Wattleup)	Approximately 350 m west of western premises boundary
H4	Rural property (Moylan Road, Wattleup)	Approximately 480 m northeast or eastern premises boundary
H5 & H6	Rural properties (Moylan Road and Dallison Avenue, Wattleup)	Approximately 500 m east-southeast of eastern premises boundary
H7	Rural property (Moylan Road, Wattleup)	Approximately 525 m northeast or eastern premises boundary
H8	Naval Base Shacks and Challengers Beach, Sutton Road, Naval Base	Approximately 2.3 km southwest of western premises boundary
H9	Residential Premises (Hammond Park)	Approximately 3.5 km east-southeast of eastern premises boundary
<b>Receptor ID</b>	<b>Environmental receptors</b>	<b>Distance from prescribed activity</b>
E1	Mount Brown Lake and Beeliar Regional Park <sup>1</sup>	Approximately 450 m west of western premises boundary
E2	Indian ocean <sup>1</sup>	Approximately 2.4 km west of western premises boundary

**Note 1: Down hydrological gradient**



**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 licence 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.

Licence L9303/2021/1 that accompanies this decision report authorises emissions associated with the operation of the premises i.e. storage and processing of bituminous asphalt waste.

The conditions in the issued licence, as outlined in Table 3 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 events					Risk rating <sup>1</sup> C = consequence L = likelihood	Applicant controls sufficient?	Conditions <sup>2</sup> of licence	Justification for additional regulatory controls
Sources / activities	Potential emission	Potential pathways and impact	Receptors	Applicant controls				
<b>Operation</b>								
Screening, crushing, unloading, loading and storage of material  Vehicle movements	Dust	Air / windborne pathway causing impacts to health and amenity	Rural properties	Refer to Section 3.1	C = Slight L = Unlikely <b>Low Risk</b>	Y	Conditions 1, 2, 3, 4, 6, 7, 8, 9, 10	N/A
	Noise	Air / windborne pathway causing impacts to health and amenity		Refer to Section 3.1	C = Slight L = Possible <b>Low Risk</b>	Y	Conditions 1, 2, 6, 7, 8, 9, 10	N/A
	Sediment laden stormwater	Overland runoff potentially causing ecosystem disturbance or impacting surface water quality	Rural properties	Refer to Section 3.1	C = Slight L = Rare <b>Low Risk</b>	Y	Conditions 1, 2, 5, 6, 7, 8, 9, 10	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 19/10/2021	No comments received	N/A
Local Government Authority (city of Cockburn) advised of proposal on 19/10/2021	No comments received	N/A
Applicant was provided with draft documents on 15 November 2021	No comments received	N/A

## 5. Conclusion

Based on the assessment in this decision report, the delegated officer has determined that a licence 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 2: Application validation summary

SECTION 1: APPLICATION SUMMARY (as updated from validation checklist)				
<b>Application type</b>				
<del>Works approval</del>	<input type="checkbox"/>			
Licence	<input checked="" type="checkbox"/>	Relevant works approval number:		None <input checked="" 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 type="checkbox"/>	Current licence number:		
		Relevant works approval number:		N/A <input type="checkbox"/>
Registration	<input type="checkbox"/>	Current works approval number:		None <input checked="" type="checkbox"/>
Date application received				
<b>Applicant and premises details</b>				
Applicant name/s (full legal name/s)		Vanhar Co Pty Ltd		
Premises name		WA Recycled Asphalt		
Premises location		Part Lot 20, Diagram 75527, Volume 1837, Folio 895 and Part Lot 4, Diagram 18018, Volume 1177, Folio 833 13 Musson Road Wattleup WA 6166		
Local Government Authority		City of Cockburn		
<b>Application documents</b>				
HPCM file reference number:		DWERDT492040		
Key application documents (additional to application form):		Application form Certificate of title Lease agreement ASIC company statement Premises map Fee calculation Licence approval application supporting documentation package (includes site plans)		

SECTION 1: APPLICATION SUMMARY (as updated from validation checklist)		
	Environmental acoustic impact assessment (includes noise contour map)	
Scope of application/assessment		
Summary of proposed activities or changes to existing operations.	Licence for the operation of an asphalt recycling facility (Cat 13 and 61A at 100, 000 tpa)	
Category number/s (activities that cause the premises to become prescribed premises)		
Table 1: Prescribed premises categories		
Prescribed premises category and description	Proposed production or design capacity	Proposed changes to the production or design capacity (amendments only)
Category 13: Crushing of building material: premises on which waste building or demolition material (for example, bricks, stones or concrete) is crushed or cleaned.	40, 000 tpa (22,700 m3 based on a conversion rate of 1.5 t/m3)	
Category 61A Solid waste facility: premises (other than premises within category 67A) on which solid waste produced on other premises is stored, reprocessed, treated, or discharged onto land.		
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 type="checkbox"/> No <input checked="" type="checkbox"/>	Certificate of title <input 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 checked="" type="checkbox"/> N/A <input type="checkbox"/>	Approval: Expiry date: An application has been sent to the City of Cockburn to obtain

**SECTION 1: APPLICATION SUMMARY (as updated from validation checklist)**

		the necessary change of use Copy of approval to be provided If N/A explain why?
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: P1 / P2 / P3 / 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, Environmental Protection (Controlled Waste) Regulations 2004, 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 checked="" type="checkbox"/> No <input type="checkbox"/>	Environmental Protection (Kwinana) (Atmospheric Wastes) Policy 1999 Area B
Is the Premises subject to any EPP requirements?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

**SECTION 1: APPLICATION SUMMARY (as updated from validation checklist)**

<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>	<p>Classification: CSS_SITE_ID 4520 Contaminated - remediation required Date of classification: Dec 11, 2013 8:00 AM</p>
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