



Application for Licence

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

Works Approval Number L9366/2022/1

Applicant 4M Waste Pty Ltd

ACN 631 452 492

File number DER2022/000497

Premises 4M Waste
39 Resources Way
MALAGA WA 6090
Legal description – Lot 2000 on Deposited Plan 9309 being the whole of the land in certificate of Title Volume 2552 Folio 636
As defined by the premises map attached to the issued works approval

Date of report 20 March 2023

Decision 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

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 W6625/2021/1 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 29 September 2021, the applicant submitted an application for a licence to the department under section 54 of the *Environmental Protection Act 1986* (EP Act). The application relates to the storage and reprocessing of used tyres at the premises to generate tyre crumb at the premises. The premises is approximately 465 m south of the residential suburb of Ballajura.

The premises relates to the categories and assessed design capacity under Schedule 1 of the *Environmental Protection Regulations 1987* (EP Regulations) which are defined in licence L9332/2022/1. 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 L9332/2022/1.

Background

Works approval W6625/2021/1 was granted for construction of the premises on 10 March 2021 with the following condition to support the licence application process:

- The works approval holder must within 30 calendar days of an item of infrastructure or equipment being constructed and / or installed:
 - (a) Undertake an audit of their compliance with the requirements of condition 1;
and
 - (b) Prepare and submit to the CEO an Environmental Compliance Report on that compliance
- The Environmental Compliance Report required, must include as a minimum the following:
 - (a) Certification by a Qualified, Competent Civil or Structural Engineer that the items of infrastructure or component(s) thereof, as specified in the works approval, have been constructed in accordance with the relevant requirements specified;
 - (b) As constructed plans and a detailed site plan for each item of infrastructure or component of infrastructure specified in the works approval;
 - (c) Evidence of consultation with the Department of Fire and Emergency Services confirming the adequacy of fire management infrastructure and systems for the volumes of combustible material proposed to be processed and stored onsite;
 - (d) Where they have not been met, measures proposed to meet the manufacturer's design specifications and the conditions of this works approval, together with timeframes for implementing the proposed measures; and
 - (e) Be signed by a person authorised to represent the works approval holder and.

The department assessed the 4M Waste Works Approval compliance documents submitted

on 8 September 2022, to demonstrate compliance with Works Approval W6625/2021/1. In the letter dated 6 October 2022 the department identified the submission as noncompliant and requested further evidence to demonstrate compliance by 25 November 2022. The works approval holder submitted further evidence of compliance on 24 November 2022.

On 29 November 2022, the delegated officer advised the applicant that compliance with Works Approval W6625/2021/1 has been demonstrated and they may commence time limited operations under condition 5 of the works approval.

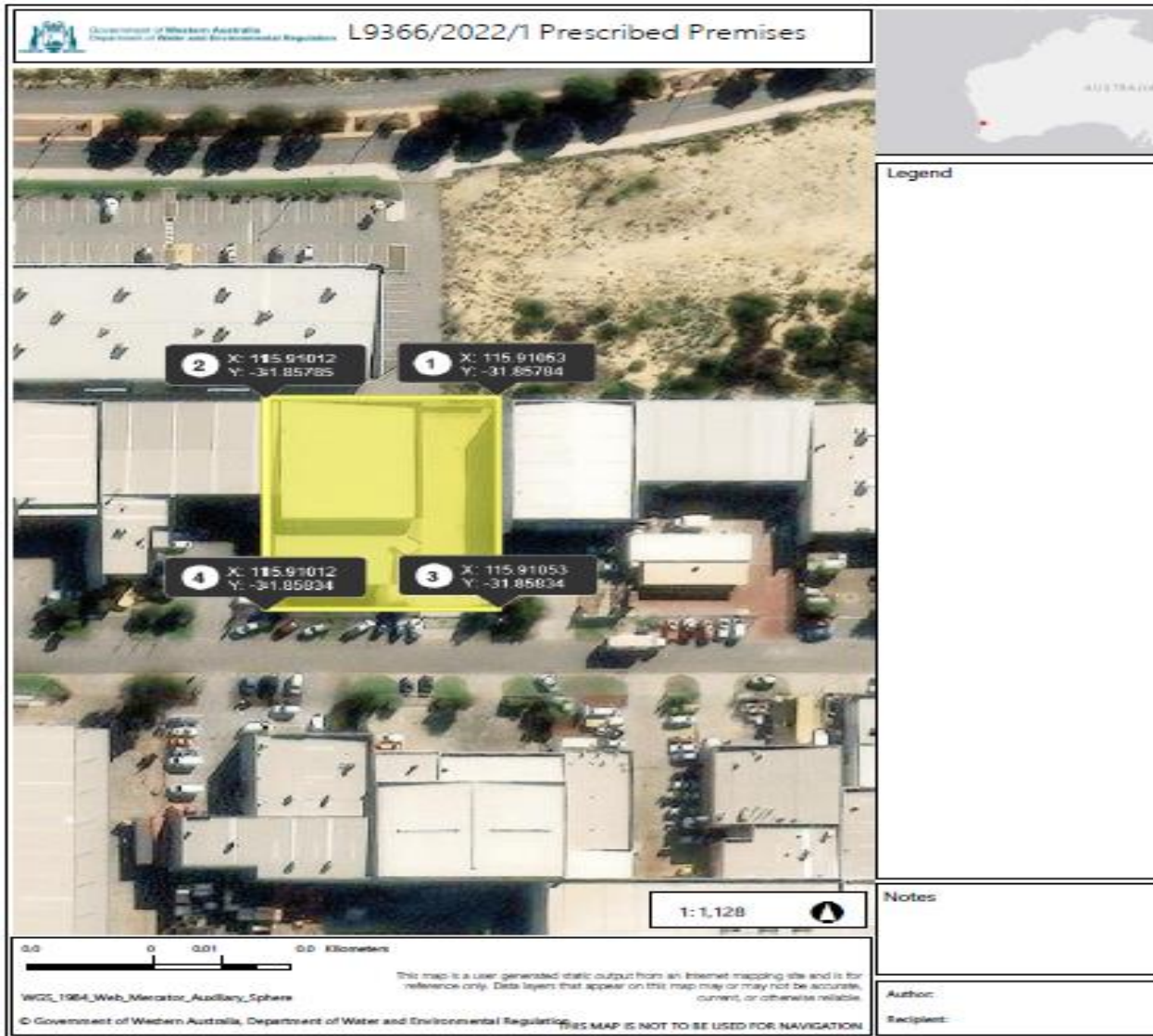


Figure 1: Prescribed Premises

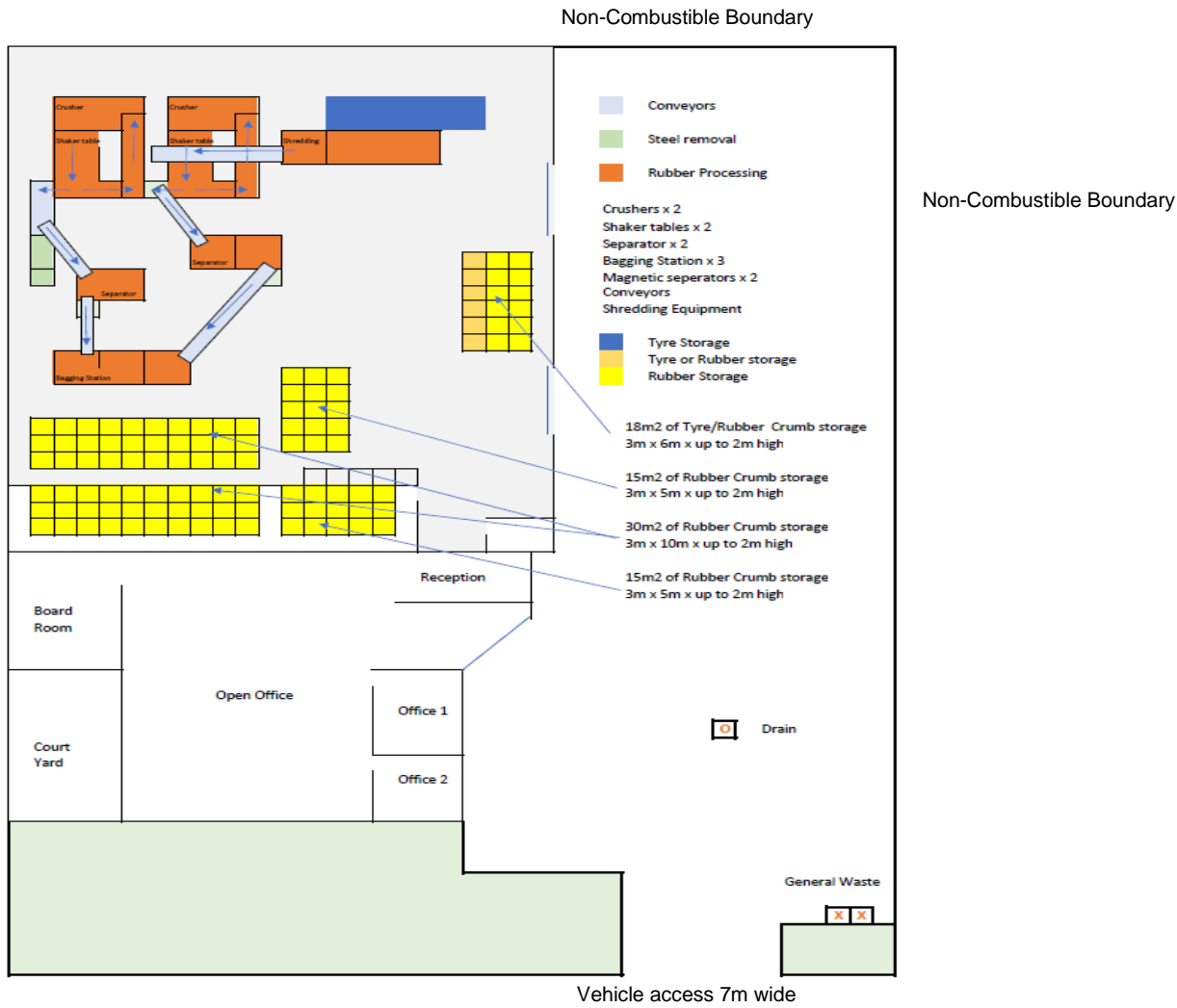


Figure 2: Site layout and separation distances

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 11 below. Table 11 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
Operation			
Dust	Tyre delivery, handling and tyre Operation of tyre processing equipment and machinery	Air / windborne pathway	Minimal dust generated by whole tyres. Tyre processing and crumb storage take place in an enclosed building. Dust generating activities take place in enclosed building. Regular cleaning and housekeeping.
Noise and vibration	Operation of equipment and machinery (Rubber crusher and shaker screens, mill, conveyors, fiber separator and shredder)	Air/windborne pathway and ground/adjoining walls causing impacts to health and amenity	Location of tyre processing activities within an enclosed building. Placement of magnet conveyor prior to crumbing to reduce steel going through the crushing machine. Proposed operational hours are from 7am to 4pm Monday to Sunday.

Emission	Sources	Potential pathways	Proposed controls
Smoke (particulates and noxious gases)	Uncontrolled fire (tyres and crumb stockpiles)	Air/windborne pathway causing impacts to health and amenity	<p><i>Tyres stored in accordance with DFES Guidance Note: GN02 Bulk Storage of Rubber Tyres (see Section 3.1.2 below).</i></p> <p>Preparation and implementation of Emergency Plan for the premises.</p> <p>Tyres received stacked on mobile pallet stackers, maximum of 3.7 m high. Only 1 stack intended to be in use.</p> <p>Tyre crumb to be stored in 1 or 2 tonne bulka bags.</p> <p>External yard and access way to be kept clear for emergency service vehicle access, if required.</p> <p>Tyres will only be stored inside the warehouse.</p> <p>Provision of on-site fire extinguishers and fire hose reels.</p>
Fire debris and washwater	Firefighting activities in the event of an uncontrolled tyre or crumb fire	Overland flow to stormwater infrastructure and infiltration to groundwater	<p>205 mm height concrete graded bunding (retaining wall) to be constructed, including driveway and building entrance.</p> <p>900 mm x 900 mm stormwater sump with inbuilt sand trap fitted with temporary PVC drain sealing mats in the event of a fire.</p> <p>As part of the end of day procedures drain covers will be placed in case a fire event occurs after hours.</p> <p>Fire wastewater will be removed by contractor Advanced Liquid Waste as per Fire Water Containment Plan. This is a 24/7 service.</p>

3.1.2 Fire management

The applicant proposes to store tyres internally in the main warehouse in accordance with section 8 and section 9 of the Department of Fire and Emergency Services (DFES) '*Guidance Note: GN02 Bulk Storage of Rubber Tyres Including Shredded and Crumbed Tyres*' (GN02). Internal tyre storage requirements include:

- Individual tyre stack within the warehouse will not exceed 3.7 m in height and 30 m² in area.
- Stored tyres will remain at least 1 m clear in all directions from the underside of the warehouse roof, roof structure members, and lights (including light fixtures).
- Tyres will be processed within 7 days.
- A minimum clearance of 1 m will be maintained along paths of travel to required exits and firefighting equipment (e.g. fire hose reels, fire extinguishers & fire hydrants). The paths of travel will always be kept clear and unobstructed.

- Rubber crumb will be stored in either 1m³ bulker bags (1m x 1m x 1m) or 2m³ bulker bags (1m x 1m x 2m high).
- Rubber crumb will not be stored in direct sunlight.
- Rubber crumb will not be stored against any metallic objects (walls/wall struts).
- The bags will be placed on pallets for air flow below the bags.
- The bags will be placed next to each other up to 30m² with the biggest storage being 10m x 3m x 2m in height.
- The design is set to allow for maximum maneuverability in the warehouse to allow safe work practices, whilst also allowing for adequate airflow around, between, below and over the storage areas to minimise fire risk.

The main warehouse building designated for general industry and to be used to store tyres has a fire compartment floor area of 620 m² (Figure 2). The applicant has proposed in accordance with the DFES Guidance Note (GN02), as the fire compartment floor area is less than 2,000 m² a sprinkler protection system is not proposed to be installed. As a non-sprinkler protected building, a minimum clearance of 3 m will be provided between tyre storage and baling areas and any load-bearing building elements as required by Section 9.4 of the DFES guidance note (GN02).

The tyres stacked outside will have a clearance of 6m from the building and boundary walls.

The application further details that tyres will be stored in a stack configuration as set out in section 7.1 of the DFES Guidance Note (GN02).

The premises will have the following firefighting and fire extinguisher equipment installed:

- 6 x portable dry chemical extinguishers
- 1 x hose reel
- 3 x hydrants capable of 10 L/s. One hydrant is located immediately adjacent to premises entrance and 50 m west and east of the site entrance
- 1 x hydrant capable of 30L/s within the prescribed premises boundary.

The number and capacity of hydrants and outlets for non-sprinklered at the proposed premises meets the requirements of Section 12 of the DFES GN02.

3.1.1 Noise and vibration

The processing of used tyres into tyre crumb has the potential for noise and vibration emissions from the crushing of tyres, shaker tables to separate rubber, steel and nylon and use of conveyor systems. The *Environmental Protection (Noise) Regulations 1997* (Noise Regulations) specify the maximum assigned noise levels authorised to be emitted from a premises in relation to receiving receptors and siting. As the premises is located within an industrial area, the assigned noise levels for “industrial and utility premises” are considered applicable. These levels set an assigned noise level of 60dB LA10, 75dB LA1 and 90dB LAmax for all hours.

Amenity and health impacts can also be assessed against the general provisions of the EP Act, specifically whether noise emissions unreasonably interfere with the health, welfare, convenience, or comfort of any person. The premises occupies an industrial lot within the Malaga industrial centre; with the existing warehouse and office space sharing a wall with an adjoining business to the west, and non-combustible boundary walls separating commercial premises to the north and east. These three immediately abutting premises are the most likely receptors for emissions associated with premises activities.

3.1.2 Contaminated fire water

The 4M Waste Pty Ltd premises comprises a concrete hardstand floor within the building and a bitumen hardstand area externally that slopes and drains into two stormwater sumps situated within the external yard of the premises.

If ignited, tyre fires are very difficult to extinguish and have the potential to produce large volumes of smoke and very high temperatures. Fire-fighting foams used to extinguish a fire can also contain hazardous materials including surfactants, emulsifiers and modifiers. Fire-water run-off may comprise solids (e.g. particulates, burnt rubber), Volatile Organic Compounds (VOCs), Polycyclic Aromatic Hydrocarbons (PAHs), benzene, dioxins, furans, heavy metals, nitrous oxides, pyrolytic oil and fuel oils. In the event of a fire, firefighting wastewater (fire water) and pyrolytic oil may discharge into onsite unlined stormwater soak wells, or offsite onto land or into stormwater drains, subsequently reaching local environmental receptors.

The 4M Waste Pty Ltd premises is located within the Malaga industrial area. Groundwater is approximately 8 m below ground level, and appears to flow in a south-south easterly direction.

The Department of Fire and Emergency Services (DFES, 2020) *Guidance Note No. 2 – Bulk Storage of Rubber tyres including shredded and crumbed tyres* provides for acceptable storage, fire-prevention and fire water containment measures for tyre storage and processing facilities.

3.1.3 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 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	Adjoining industrial unit	Immediately west of premises boundary (shared wall)
H2	Light industrial and service commercial businesses	Immediately adjacent to premises boundary
H3	Residential Premises – Guadalupe Way, Ballajura.	Approximately 465 m north of northern premises boundary
H4	Residential Premises – Mitra Loop, Bennett Springs	Approximately 680 m east of eastern premises boundary
H5	South Ballajura Primary School, Wyperfeld Gardens, Ballajura and Karijini Oval.	Approximately 670 m north of northern premises boundary
Receptor ID	Environmental receptors	Distance from prescribed activity

E1	Compensation basin – surface expression of underlying groundwater	Approximately 120 m east of premises boundary (connected via stormwater drain running along front of premises) Depth to groundwater is approximately 8 m below ground level. Regional groundwater flow appears to be in a south-south easterly direction.
E2	Victoria Road Swamp – Multiple use sumpland (compensation basin)	Approximately 180 m southeast of southern premises boundary
E3	Gnangara Underground Water Pollution Control Area	Approximately 700 m west of western premises boundary
E4	Bush Forever Area - Lightning Swamp and Adjacent Bushland ad Lightning Park Ovals, Noranda	Approximately 850 m south of southern premises boundary



Figure 3: 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 33.

Licence L9366/2022/1 that accompanies this decision report authorises emissions associated with the operation of the premises. The conditions in the issued licence, as outlined in Table 33 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 construction and operation

Risk events					Risk rating ¹ C = consequence L = likelihood	Applicant controls sufficient?	Conditions ² of licence	Justification for additional regulatory controls
Sources / activities	Potential emission	Potential pathways and impact	Receptors	Applicant controls				
Operation								
	Noise and vibration	Air/windborne pathway and ground/adjoining walls causing impacts to health and amenity	Adjoining and adjacent light industrial and service commercial businesses Residences approximately 465 m north and 680 m east Primary school 670 m north	Refer to Section 3.1	C = Moderate L = Unlikely Medium Risk	Y	Condition 1, 8, 12, 14, 17 & 18	The Delegated Officer considers that noise emissions can be sufficiently managed through the <i>Environmental Protection (Noise) Regulations 1997</i> .
Unloading and storage of used tyres, and tyre crumb. Operation of equipment and machinery (Rubber crusher and shaker screens, mill, conveyors, fiber separator and shredder) Vehicle and equipment \ movements	Tyres and tyre crumb Fire (smoke) – particulates and noxious gases from fire	Air/windborne pathway causing impacts to health and amenity	Adjoining and adjacent light industrial and service commercial businesses Residences approximately 465 m north and 680 m east Primary school 670 m north	Refer to Section 3.1	C = Moderate L = Likely High Risk	Y	Conditions 1, 2, 3, 4, 5, 8, 12, 16, 17 & 18	The Delegated Officer has reviewed the information regarding the impact of air emissions generated during a fire and has noted that; Tyre storage limits can reduce the risks of impacts to fire and storage of whole tyres can be regulated through conditions in the licence. The Delegated Officer considers that the smaller internal tyre crumb stockpiles with 1m separation proposed still meets the minimum requirements in DFES GN02 since combined, they are smaller than the max 20 x 5 x 3.5 m stockpile length rubber requiring 6m separation from adjacent stockpiles and can be considered a single stockpile of under maximum size. Further, adherence to DFES

Risk events					Risk rating ¹ C = consequence L = likelihood	Applicant controls sufficient?	Conditions ² of licence	Justification for additional regulatory controls
Sources / activities	Potential emission	Potential pathways and impact	Receptors	Applicant controls				
								<p>'Guidance Note:GN02 Bulk Storage of Rubber Tyres Including Shredded and Crumbed Tyres' relates to managing fires on site and having appropriate procedures to extinguish any unauthorised fire should be sufficient to control any fire incidents at the premises.</p> <p>The Delegated Officer notes that the internal tyre crumb storage floor area is under the 2000m² required for automatic sprinklers and smoke/heat vents. Given the storage so significant quantities of both whole and crumbed tyres internally and in a manner not expressly covered in the guidelines (bulka bags), the Delegated Officer agrees with the DFES advice with regard to the installation of a fire hydrant within the prescribed premises boundary to adequately manage systems in relation to fire risk on site.</p> <p>Conditions have also been added to the licence to require the implementation of a Fire and Emergency Management Plan (EMP) to adequately manage emergency events, as well as a copy of the most recent and up to date EMP to be submitted annually.</p>
	Wastewaters/ leachate generated from extinguishing of a fire	Overland flow to stormwater infrastructure and infiltration to groundwater Seepage through	Stormwater compensation basin, and water sources Underlying groundwater and beneficial users	Refer to Section 3.1	C = Moderate L = Unlikely Medium Risk	Y	Condition 1, 6, 7, 12, 15, 16, 17 & 18	The Applicant is concrete lining all external areas of the warehouse which will prevent leachate to groundwater. Any surface water, stormwater that is collected or created within the premises will be contained and

Risk events					Risk rating ¹ C = consequence L = likelihood	Applicant controls sufficient?	Conditions ² of licence	Justification for additional regulatory controls
Sources / activities	Potential emission	Potential pathways and impact	Receptors	Applicant controls				
	Contaminated stormwater	<p>hardstands</p> <p>Impacts groundwater quality and ecosystem health</p> <p>Health and amenity impact to nearby residences</p>					<p>collected onsite.</p> <p>Additional conditions for placement of temporary bunding around soak wells have been added to the works approval to prevent firefighting water collection in soak wells system and infiltration into groundwater.</p> <p>As this risk is mitigated by adequate implementation of these Applicant controls, the Delegated Officer shall enforce these controls via operational and maintenance conditions on the works approval, and via operational conditions on the Licence.</p> <p>In addition, conditions have been added to the works approval to require the implementation of a Fire and Emergency Management Plan to prevent discharges of contaminated firewater into stormwater systems, documentation for which is to be lodged with the Licence application for assessment of effectiveness of the controls.</p> <p>Discharges of hydrocarbons and other chemicals within contaminated stormwater may also be subject to the provisions of the <i>Environmental Protection (Unauthorised Discharges) Regulations 2004</i>.</p>	

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.

3.3 Detailed risk assessment

3.3.1 Noise and vibration emissions

In response to a request from the Department, 4M Waste Pty Ltd provided a noise and vibration survey prepared by Lloyd George Acoustics Pty Ltd (2021) to the Department on 10 November 2021 to support the works approval application relating to the storage and reprocessing of used tyres at 39 Resource Way, Malaga. A noise management plan (4M Waste 2021) for 39 Resource Way, Malaga, was also submitted with the works approval application.

Lloyd George Acoustics Pty Ltd (2021) was engaged by 4M Waste Pty Ltd to record noise and vibration levels of tyre reprocessing equipment at 39 Resource Way, Malaga. The premises is situated within an industrial area of Malaga and surrounded by other industrial premises, with commercial receivers to the north. Noise and vibration measurements were recorded inside the proposed processing building at the premises and inside the neighbouring industrial building located at 35 Resource Way (Figure 44). This is the closest property to premises and therefore compliance at the measurement location should imply compliance at other receivers located further away from the premises (Lloyd George Acoustics Pty Ltd 2021).



Figure 4: Site location (Lloyd George Acoustics Pty Ltd 2021)

Figure 55 presents the basic layout of the workshop, showing the location of the tyre recycling equipment and measurement locations denoted as black dots (Lloyd George Acoustics Pty Ltd 2021). A summary of noise and vibration levels of the tyre processing equipment is provided in Table 4

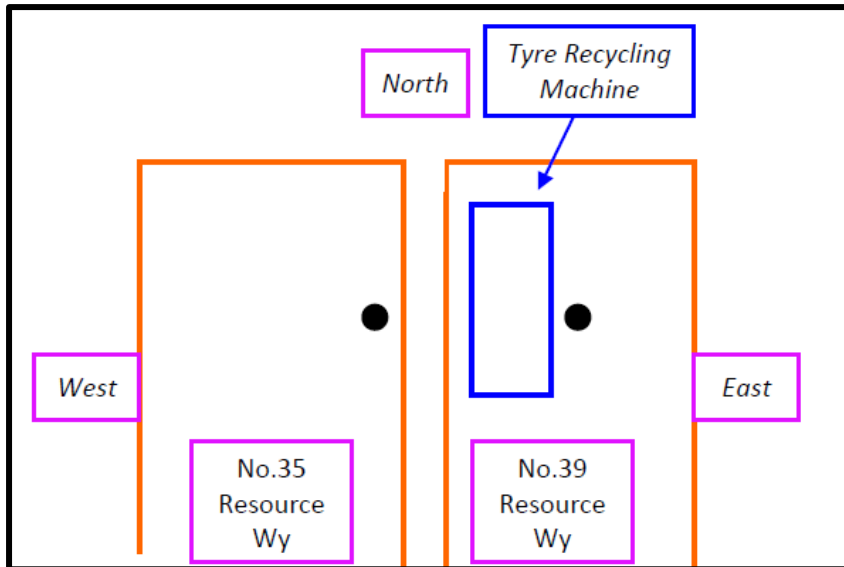


Figure 5: Site layout (not to scale; Lloyd George Acoustics Pty Ltd 2021)

Table 4: Measured noise and vibration levels (Lloyd George Acoustics Pty Ltd 2021)

Location	Noise level, dB LA ₁₀	Vibration level (vector sum)	Radial vibration	Longitudinal vibration	Vertical vibration	Comment
No.39 Resource Way at 2 m from tyre recycling machine	78	0.055 mm/s	0.004	0.004	0.012	Tyre recycling machine "on"
No.35 Resource Way at 3 m from east wall	31	0.013 mm/s	0.009	0.039	0.038	Tyre recycling machine "on"

The measured level recorded inside 35 Resources Way was 31 dB LA₁₀, which was adjusted to 46 dB LA₁₀ to compare to the external assigned noise level of 65 dB LA₁₀ (Lloyd George Acoustics Pty Ltd 2021). No adjustments were applicable for intrusive characteristics and as such, noise levels were deemed compliant (Lloyd George Acoustics Pty Ltd 2021). Compliance with the assigned level of 60 dB LA₁₀ for a commercial building were also noted (Lloyd George Acoustics Pty Ltd 2021). Vibration levels recorded near the tyre recycling machine were below the preferred vibration value of 0.56 mm/s for commercial buildings (Lloyd George Acoustics Pty Ltd 2021). Given that the other premises are located further away from 39 Resources Way, lower ground vibration levels than those measured are expected within the adjacent premises (Lloyd George Acoustics Pty Ltd 2021).

A technical review of the Lloyd George Acoustics Pty Ltd (2021) survey report conducted by the Department concluded that the methodology of the noise and vibration measurements including the type of measuring equipment, measurement locations and the assessment criteria used in the assessment appear reliable and correct (DWER 2022). The noise and vibration assessment and conclusions are reliable and accurate and indicate that the noise generated from the proposed tyre reprocessing operations will likely with the assigned noise levels at the neighbouring industrial premises (DWER 2022). Vibration levels meet the acceptable vibration criteria at the closest industrial building (DWER 2022).

4. Consultation

Table 55 provides a summary of the consultation undertaken by the department.

Table 5: Consultation

Consultation method	Comments received	Department response
<i>Application advertised on the department's website on 6 January 2023.</i>	<i>No comments were received.</i>	<i>N/A</i>
<i>Local Government Authority advised of proposal on 16 January 2023.</i>	<p><i>The City of Swan replied on 02 February 2023 advising that both "Storage" and "Industry General" are permissible (P) uses in this zone, under our Local Planning Scheme 17.</i></p> <p><i>Planning approval may not be required for these proposed uses if the applicants carry out the uses within the existing building(s).</i></p> <p><i>Planning approval would be required for any development which involves storage or processing outside the existing buildings.</i></p>	<i>Noted</i>
<i>Applicant was provided with draft documents on 17 February 2023.</i>	<p><i>Comments received on 8 March 2023</i></p> <p><i>Typographical changes relating to tyre crumb storage. Request was made to store 100 tonnes of rubber crumb.</i></p>	<p><i>Typographical changes adopted. The Delegated Officer is aware that the premises is currently allowed to store 100 tonnes of tyres during the time limited operation under WA6625/2021/1. The premises will be allowed, and has been assessed, to store 100 tonnes of rubber crumb.</i></p> <p><i>Updated site plan showing tyre storage location added to the licence (figure 2).</i></p>

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.

6. References

1. 4M Waste Pty Ltd 2021, *Noise Management Plan 4M Waste Pty Ltd 39 Resources Way, Malaga (Attachment 6A)* (DWERDT502695)
2. Department of Environment Regulation (DER) 2015, *Guidance Statement: Setting Conditions*, Perth, Western Australia.
3. Department of Water and Environmental Regulation (DWER) 2020, *Guideline: Environmental Siting*, Perth, Western Australia.
4. DWER 2020, *Guideline: Risk Assessments*, Perth, Western Australia.
5. DWER 2021, *4M Waste Pty Ltd – Noise and Vibration Assessment for a Works Approval Application for Tyre Storage and Reprocessing at 39 Resource Way, Malaga* (DWERDT547376), dated 16 December 2021.
6. Department of Fire and Emergency Services (DFES) 2020, *Guidance Note (GN02) Bulk storage of rubber tyres including shredded and crumbed tyres Version 1. 2020*, November 2019, Perth, Australia.
7. Lloyd George Acoustics Pty Ltd 2021, *Noise and Vibration Survey 39 Resource Way, Malaga Reference: 21106773-01, prepared for: 4M Waste Pty Ltd (A2062780)*

Appendix 2: Application validation summary

SECTION 1: APPLICATION SUMMARY						
Application type						
Works approval	<input type="checkbox"/>					
Licence	<input checked="" type="checkbox"/>	Relevant works approval number:	W6625/2021/1	None	<input type="checkbox"/>	
		Has the works approval been complied with?			Yes <input checked="" 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 checked="" type="checkbox"/>	
		Environmental Compliance Report submitted?			Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
		Date Report received: 8 September & F.I on 24 November 2022				
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 type="checkbox"/>	
Date application received		29 September 2022				
Applicant and Premises details						
Applicant name/s (full legal name/s)		4M Waste Pty Ltd				
Premises name		4m Waste				
Premises location		39 Resources Way MALAGA WA 6090				
Local Government Authority		City of Swan				
Application documents						
HPCM file reference number:		DER2022/000497				
Key application documents (additional to application form):		<i>Signed Licence application form Proof of occupier lease document ASIC Company extract Premises Map Summary of the proposed activity to be undertaken Noise assessment report and management plan</i>				

	<i>Site plan</i> <i>Emergency Management Plan</i> <i>Fire water containment Plan</i>	
Scope of application/assessment		
Summary of proposed activities.	<i>Licence</i> The aim of the facility is to recycle 50,000 end of life tyres per annum which equates to 2,500 tonnes of tyres and 1,500 tonne of reusable rubber crumb annually. The facility will generate two products from the process: <ul style="list-style-type: none"> • 0.6mm crumb: to be used in bitumen and asphalt mixes that are managed by Main Roads WA. • 2-3mm crumb: to be used in soft fall playgrounds and in sporting centres. 	
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)
<i>Category 57: Premises on which used tyres are stored</i>	<i>Up to 500 whole tyres at any one time</i>	<i>NA</i>
<i>Category 61A: Solid waste facility</i>	<i>Up to 50,000 tyres per year</i>	<i>NA</i>
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 checked="" type="checkbox"/> No <input 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Approval: Expiry date: 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 checked="" type="checkbox"/> No <input type="checkbox"/>	Controlled waste facility
Is the Premises within an Environmental Protection Policy (EPP) Area?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If Yes include details of which EPP(s) here.
Is the Premises subject to any EPP requirements?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If Yes, include details here, e.g. Site is subject to SO ₂ requirements of Kwinana EPP.

<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>CSS_SITE_ID 10462 Classification: possibly contaminated – investigation required (PC–IR) Date of classification: 07/09/2017</p>
Direct interest stakeholders		
<p><i>City of Swan</i></p>	<p>Letter to be sent Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>	