



## Application for Works Approval

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

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**Works Approval Number** W6907/2024/1

**Applicant** Premier Metals Corporation Pty Ltd

**ACN** 635 161 992

**File number** DER2024/000037

**Premises** Premier Metal Recyclers  
87 Kelvin Road  
Maddington WA 6109  
Legal description  
Lot 25 on Diagram 90351  
Certificate of Title Volume 2062 Folio 394  
As defined by the premises maps attached to the issued works approval

**Date of report** 22 July 2024

**Decision** Works approval granted

Adam Green  
A/MANAGER, WASTE INDUSTRIES  
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 W6907/2024/1 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 the premises

On 22 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).

Premier Metal Recyclers (the applicant) is operating as scrap metal recycling facility that uses heavy equipment and machinery to separate, and then process scrap metal into different grades and sizes for export or on-sale to metal foundries. The premises is located within the City of Gosnells. The premises is zoned 'General Industry' under the City of Gosnells Town Planning Scheme 6 (2002) and is currently approved to be used as a scrap metal recovery facility.

The following activities are currently being carried out on the premises:

- Heavy metal sorting and cutting;
- Metal oxy acetylene cutting;
- End of life vehicle dismantling;
- Non-ferrous sorting and recycling; and
- Processed metal loading and removal.

The works approval application is to undertake construction works associated with the following:

- Installation of Drake 16HP High Production Shredding System;
- Construction of a 5 m high concrete sound barrier along the southern and eastern boundaries in the location of the Drake 16HP High Production Shredding System; and
- Installation of fire hydrant system

The Drake 16HP High Production Shredding System is a grinding mill for metallic scrap with a system for separating ferrous and non-ferrous materials. The machine breaks up metallic materials subsequently discharging only ferrous material. The broken material flows, via vibrating surfaces, to one or more rotating magnets, which are arranged in succession and separate the ferrous from the non-ferrous material. A suction system placed in the vicinity of the machine itself removes the dust that is released during the various phases of the processing cycle.

The whole premises has been considered a single catchment discharging to the council drain located at the front of buildings and carparks. A SPEL Stormceptor model number OL.44110.C1 Class 1 is currently installed at the discharge point as a treatment system, which is a filtration system that allows the water to pass through filter media to remove pollutants. The SPEL Stormceptor is a horizontally configured two chamber stormwater quality improvement device equipped with a gravity enhancing coalescer unit. The design, facilitated by a retention period of approximately six minutes generates quiescent conditions within the secondary chamber,

efficiently promoting the separation of total suspended solids (TSS), light liquids and pollutants.

The premises relates to the category and assessed production capacity under Schedule 1 of the Environmental Protection Regulations 1987 (EP Regulations) which are defined in works approval W6907/2024/1. 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 W6907/2024/1.

### 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
<b>Construction</b>			
Dust	Placement of shredding infrastructure and associated equipment  Construction of fire infrastructure and concrete sound barrier  Vehicle movements	Air / windborne pathway	Work areas, access points and driveways have been sealed.  All dust-generating activities will be inspected daily.  Management strategies for controlling dust that will be employed include the use of water carts, water mist sprays, reduced speeds, signage to vehicle drivers and plant/equipment and barriers.  Vehicles and equipment shall be properly maintained to the manufacturer's specifications and comply with the Clean Air Regulation under the <i>Protection of the Environment Operations Act 1997</i> .
Noise			Noise generating works shall be undertaken in accordance with the standard hours of work within the approved Site Management Plan are as follows: <ul style="list-style-type: none"> <li>- Monday to Friday 7:00 am to 5:00 pm.</li> <li>- Saturday 8:00 am to 1:00 pm.</li> </ul> Well maintained and low noise generating

Emission	Sources	Potential pathways	Proposed controls
			<p>machinery would be used and machinery operated at the minimum necessary power setting.</p> <p>Regular inspection and maintenance of equipment and machinery to ensure that it is in good condition.</p> <p>Machinery and equipment will be operated in an effective manner to minimise noise.</p> <p>Workers would be inducted about noise from the works and reduction strategies.</p> <p>Noise monitoring will be undertaken if community complaints are received to ensure that noise mitigation measures have been effectively implemented.</p>
Operation			
Dust	<p>Operation of shear, bailer and other equipment</p> <p>Stockpiling of scrap metal</p> <p>Traffic movements and deliveries</p> <p>Sorting and load preparation</p>	Air / windborne pathway	<p>Dust filtration system is built into the shredder operating system.</p> <p>Work areas, access points and driveways have been sealed.</p> <p>General housekeeping, including sweeping, will be undertaken to limit the amount of dust in work areas.</p> <p>All dust-generating activities will be inspected daily.</p> <p>Vehicles and equipment shall be properly maintained to the manufacturer's specifications and comply with the Clean Air Regulation under the <i>Protection of the Environment Operations Act 1997</i>.</p> <p>All exposed material with the potential to generate dust is wetted before dust generation occurs using the following:</p> <ul style="list-style-type: none"> <li>- Use of water carts and water mist sprays.</li> <li>- Wetting down of material stockpiled within the processing area.</li> <li>- Covering stockpiles to reduce dust.</li> <li>- Minimise dust generating activities.</li> <li>- Reduced vehicle speeds.</li> </ul> <p>Any dust complaints received will be investigated and addressed.</p>
Noise			<p>A 5 m high concrete sound barrier along a portion of the southern and eastern boundaries of the premises to be constructed to mitigate noise risk to sensitive receptors.</p>

Emission	Sources	Potential pathways	Proposed controls
			<p>Noise generating works shall be undertaken in accordance with the standard hours of work within the approved Site Management Plan are as follows:</p> <ul style="list-style-type: none"> <li>- Monday to Friday 7:00am to 5:00pm.</li> <li>- Saturday 8:00am to 1:00pm.</li> </ul> <p>Well maintained and low noise generating machinery would be used and machinery operated at the minimum necessary power setting.</p> <p>Regular inspection and maintenance of equipment and machinery to ensure that it is in good condition.</p> <p>Machinery and equipment will be operated in an effective manner to minimise noise.</p> <p>Workers will be inducted about noise from the works and reduction strategies.</p> <p>Noise monitoring will be undertaken if community complaints are received to ensure that noise mitigation measures have been effectively implemented.</p>
Fire/smoke	<p>Oxy cutting operation</p> <p>Acceptance of used lead acid batteries and other hazardous waste</p> <p>Stockpiling of scrap metal and tyres</p>		<p>The following control measures are implemented to minimize the risk of fire at the site.</p> <ul style="list-style-type: none"> <li>- Installation of fire hydrant system</li> <li>- Identify and mitigate potential ignition sources.</li> <li>- implement no smoking areas and butt bins.</li> <li>- Implementation of robust waste acceptance procedures that prevent unauthorised wastes from being accepted so far as possible and limiting their potential impact if received in error.</li> <li>- Segregation of wastes.</li> <li>- Use of effective signage designating waste type and quantity to be stored in each location.</li> <li>- Stockpile construction, size and arrangement.</li> <li>- Maintain high standards of house-keeping to ensure the site is free from loose/discarded combustible wastes and dusts as possible.</li> <li>- Design and maintain trafficable areas to allow vehicles to manoeuvre within the</li> </ul>

Emission	Sources	Potential pathways	Proposed controls
			<p>area for the purposes of stockpile management and maintenance.</p> <ul style="list-style-type: none"> <li>- Oxy-cutting area will be kept free of combustible materials including vegetation and organic litter; and</li> <li>- Any combustible materials that cannot be removed will be covered using suitable guards or covers during cutting activities.</li> </ul> <p>The following measures are implemented to minimize the spread of fire at the site.</p> <ul style="list-style-type: none"> <li>- Placement of non-combustible waste (i.e. loose glass, non-reactive metals) between combustible wastes.</li> <li>- Use of structural firebreaks (i.e., masonry walls between stockpiles)</li> <li>- Provisions for firefighting intervention.</li> <li>- Provision of assistance to firefighters.</li> </ul>
Windblown waste/floc	Stockpiling of shredder floc	Air / windborne pathway	<p>Shredder floc stockpile will be approximately 200 m<sup>2</sup> –350 m<sup>2</sup>.</p> <p>The shredder floc will remain on site for approximately 3 days and will be collected and disposed of at an appropriate landfill or recycling facility.</p>
Potentially contaminated stormwater	Stockpiling of scrap metal Stockpiling of shredder floc	Overland runoff Seepage to land	<p>Fragmentiser residues stored on hardstand areas and kept separately from tyres, foams, batteries and liquid storages.</p> <p>Hydrocarbon and refuelling areas are bunded.</p> <p>Spill kits accessible on site and well-maintained.</p> <p>Access roads and operational areas are sealed.</p> <p>Detention/ filtration ponds and concentrated flow drainage pathways are lined.</p> <p>Oil / water separators are installed in the warehouse and dismantling area.</p> <p>Stormwater within sealed bunded areas surrounding machinery will be diverted into the SPEL Stormceptor system installed at discharge point as a treatment system which is a filtration system that allows the water to pass through filter media to remove pollutants.</p> <p>Inspect and correct for significant sediment and debris accumulation on surface flow paths.</p>

Emission	Sources	Potential pathways	Proposed controls
			Clean-up of general site litter on a weekly basis, prior to anticipated heavy rainfall and after significant rainfall events.
Potentially contaminated firefighting water	Firewater coming into contact with waste material on site	overland runoff Seepage to land	Site firefighting water will be diverted through the storm water management system. This system is designed to include a drainage filtration system to collect stormwater runoff and prevent uncontrolled discharge.
Spills of chemicals and hydrocarbon and spills of dangerous or hazardous waste	Storage of used lead acid batteries and other hazardous waste Operation of shear, bailer and other equipment	overland runoff Seepage to land	Hydrocarbon and refuelling areas are bunded. Access roads and operational areas are sealed. Spill kits are available near the waste storage location and contain the following: <ul style="list-style-type: none"> <li>- Absorbent material</li> <li>- Container for waste absorbent</li> <li>- Shovel, broom, dustpan, and gloves</li> <li>- Catch trays for spills.</li> </ul>

### 3.1.2 3.1.2. Receptors

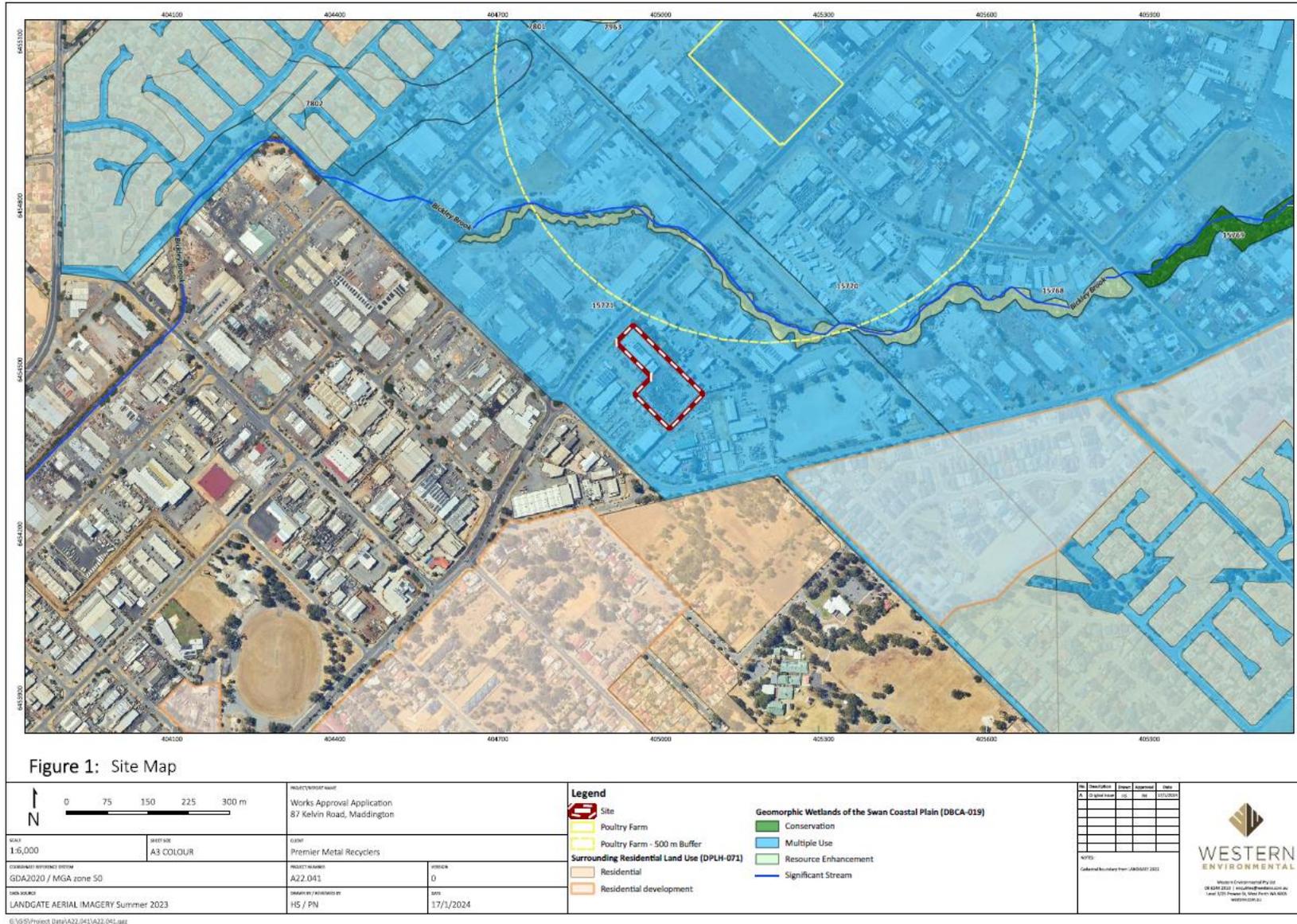
In accordance with the *Guideline: Risk Assessment* (DWER 2020), the Delegated Officer has excluded the applicant’s employees, visitors, and contractors from its assessment. Protection of these parties often involves different exposure risks and prevention strategies and is provided for under other state 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	150 m south of the premises boundary 200 m south-east of the premises boundary 600 m north-west of the premises boundary
Industrial premises	Immediately adjacent to the premises are other industrial premises
Environmental receptors	Distance from prescribed activity
Geomorphic wetlands – Palusplain	Premises located within the Palusplain
Bickley Brook (drains into the Canning River) - Resource enhancement wetland	180 m northeast of the premises boundary

Underlying groundwater	Depth to groundwater is approximately between 5 and 8 mBGL (Perth Groundwater Map) with groundwater flow to the west. There are 3 groundwater licences within 500 m of the premises (north, north-east).
Proclaimed area ( <i>RIWI Act 1911</i> ) – Perth Groundwater Area	Premised located within Proclaimed Perth Groundwater Area
Priority and Threatened Ecological Communities (PEC/TECs)	Banksia Woodlands of the Swan Coastal Plain ecological community is located approximately 800 m east of the premises boundary



**Figure 1: Premises siting**

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IR-T13 Decision report template (short) v3.0 (May 2021)

## 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 W6907/2024/1 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 is required to authorise emissions associated with the ongoing operation of the premises. 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 <sup>1</sup> C = consequence L = likelihood	Applicant controls sufficient?	Conditions <sup>2</sup> of works approval	Justification for additional regulatory controls
Sources / activities	Potential emission	Potential pathways and impact	Receptors	Applicant controls				
<b>Construction</b>								
Placement of shredding infrastructure and associated equipment	Dust	Air / windborne pathway causing impacts to health and amenity	Residences within 150 m of premises	Refer to Section 3.1	C = Minor L = Rare <b>Low Risk</b>	Y	N/A	The Delegated Officer considers that the Applicant's proposed infrastructure and management controls are likely to be sufficient at mitigating dust and noise emissions during construction.
Construction of fire infrastructure and concrete sound barrier Vehicle movements	Noise		Priority ecological community approximately 800 m east of the premises boundary	Refer to Section 3.1	C = Minor L = Rare <b>Low Risk</b>	Y	N/A	
<b>Operation</b>								
Operation of shredder and other equipment Stockpiling of scrap metal Traffic movements and deliveries Sorting and load preparation	Dust	Air / windborne pathway causing impacts to health and amenity	Residences within 150 m of premises Immediately adjacent industrial premises	Refer to Section 3.1	C = Moderate L = possible <b>Medium Risk</b>	Y	<b>Condition 6, 7, 9, 11 and 30</b>	According to the manufacturer's specifications, the Drake 16HP High Production Shredding System comes with a suction system to remove dust created during the different stages of the processing cycle.  The Delegated Officer considers that the Applicant's proposed controls and infrastructure are likely to be sufficient at mitigating dust emissions.
	Noise/vibration	Air / windborne pathway causing impacts to health and amenity	Priority ecological community approximately 800 m east of the premises boundary	Refer to Section 3.1	See detailed risk assessment outlined in Section 3.3			
Oxy cutting operation	Fire/smoke	Air / windborne pathway causing impacts to health	Residences within 150 m of premises Immediately adjacent	Refer to Section 3.1	C = Severe L = Unlikely	Y	<b>Condition 6, 7, 9, 21, 22 and 23</b>	A fire prevention and management plan can help reduce the risks of impacts of fire and can be regulated

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Risk events					Risk rating <sup>1</sup> C = consequence L = likelihood	Applicant controls sufficient?	Conditions <sup>2</sup> of works approval	Justification for additional regulatory controls
Sources / activities	Potential emission	Potential pathways and impact	Receptors	Applicant controls				
Acceptance of used lead acid batteries and other hazardous waste Stockpiling of scrap metal		and amenity	industrial premises Priority ecological community approximately 800 m east of the premises boundary					through conditions in the works approval and the license.  The works approval holder will be required to implement a Fire and Emergency Management plan that is consistent with AS3745.
Stockpiling of scrap metal Stockpiling of shredder floc	Potentially contaminated stormwater/fire fighting water	Overland flow and subsurface seepage causing impacts on human health, soil and groundwater quality	Priority ecological community approximately 800 m east of the premises boundary	Refer to Section 3.1	C = Moderate L = Unlikely <b>Medium Risk</b>	Y	<b><u>Condition 6, 7, 9, 13, 14, 16, 17, 19 and 20</u></b>	The Delegated Officer considers that the Applicant's proposed infrastructure and management controls are likely to be sufficient at mitigating emissions from contaminated stormwater.
Storage of used lead acid batteries and other hazardous waste Operation of shear, bailer and other equipment	Spills of chemicals and hydrocarbon and spills of dangerous or hazardous waste	Overland flow and subsurface seepage causing impacts on human health, soil and groundwater quality	Underlying groundwater Proclaimed Perth Groundwater Area Bickley brook	Refer to Section 3.1	C = Moderate L = Unlikely <b>Medium Risk</b>	Y	<b><u>Condition 6, 7, 9, 13, 14, 16, 17, 19 and 20</u></b>	The Delegated Officer considers that the Applicant's proposed infrastructure and management controls are likely to be sufficient at mitigating emissions from spills of chemicals, hydrocarbons and dangerous or hazardous waste.
Stockpiling of shredder floc	Windblown waste/floc	Air/windborne pathway causing impacts to health and amenity	Residences within 150 m of premises Priority ecological community approximately 800 m east of the premises boundary	Refer to Section 3.1	C = Minor L = Unlikely <b>Medium Risk</b>	Y	<b><u>Condition 6, 7, 9, 10 and 30</u></b>	The Delegated Officer considers that the Applicant's proposed controls and the standard conditions within the works approval are likely to be sufficient at mitigating wind-blown waste and floc.

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 for noise emissions

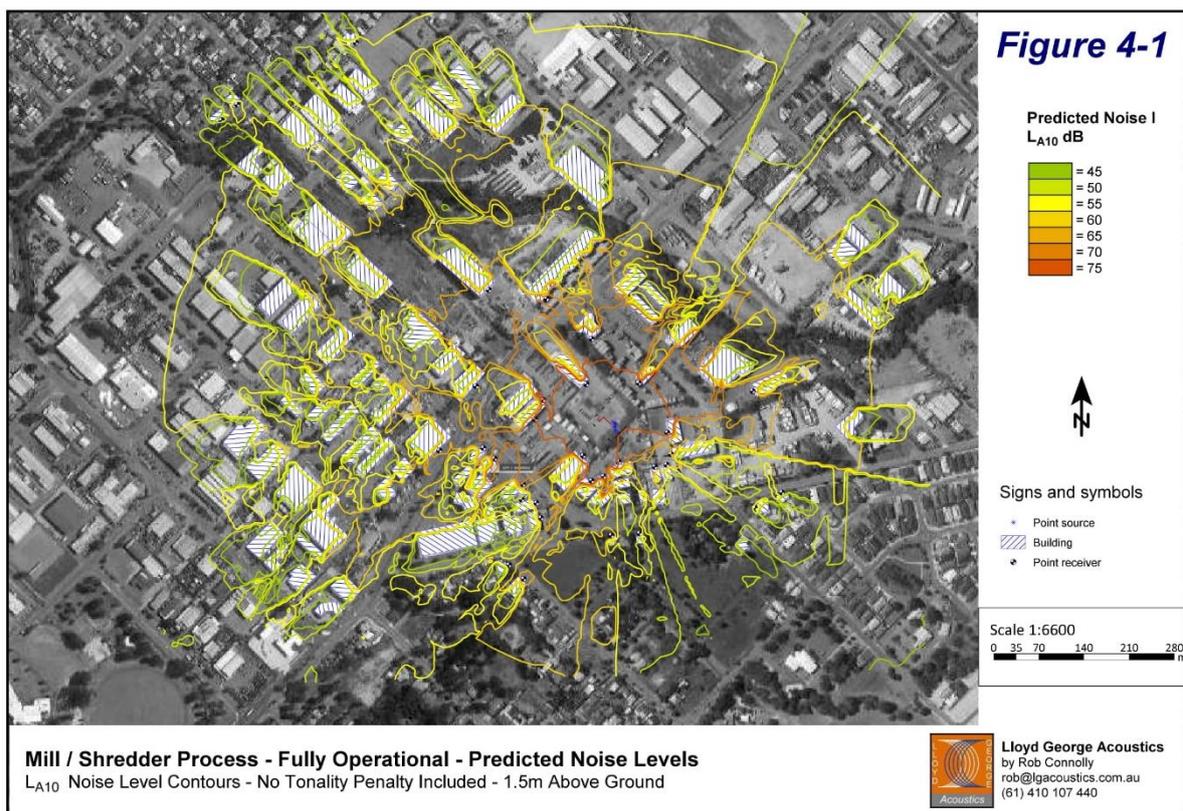
#### 3.3.1 Description of potential adverse impact from the emission

Noise emissions during Premier Metal Recycling’s operations will mainly arise from the proposed Drake 16HP High Production Shredding System and associated dust extraction and generator system. Other potential noise sources, such as vehicles, unloading/loading and sorting/stockpiling of materials and vibration are occurring on site concurrently with the shredding system. Nuisance impacts on residential receptors may result in the amenity of residential receptors being impacted.

#### 3.3.2 Acoustic assessment

Lloyd George Acoustics (LGA) was engaged by Premier Metal Recyclers to undertake an environmental noise assessment for a Drake 16HP - High Production Shredder, to be located at the Premises. The purpose of the assessment was to assess noise emissions for the proposed operations at the facility for compliance with the requirements of the *Environmental Protection (Noise) Regulations 1997*.

Computer modelling software *SoundPLAN 8.2* with the CONCAWE algorithms (ISO 171534-3 improved method) was used to predict the noise emissions from the shredder system to all nearby receptors. The meteorological information, topographical data, ground absorption; and source sound power levels have been used as input data for the computer modelling.



**Figure 2: Predicted noise levels**

LGA concluded that the results showed that a 17 dB reduction is required to the overall  $L_{A10}$  noise level in compliance with the *Environmental Protection (Noise) Regulations 1997* (Noise Regulations). LGA recommended two options to mitigate the impacts of noise, being;

- Fully enclose the mill/shredder plant and provide local noise barriers around the generator; or
- Provide 5 m high noise barriers to all sides of the plant, including the generator.

In addition to that, LGA recommends following ongoing noise controls;

- Plant design staff need to be aware of overall noise level constraints in the design stage;
- Operations staff need to be aware of limitations on plant operating conditions and numbers and locations of plant items, and times of day or met conditions when restrictions apply;
- Purchasing staff need clear policy guidelines for the procurement of new plant to ensure that noise levels do not increase over time; and
- Maintenance staff may need to implement a maintenance programme to prevent noise levels increasing over time.

The department acknowledged that the methodology used in the Environmental Noise Report was sound. It was further determined that the proposed shredding system is a large and complex machine, which has been characterised for the purposes of noise modelling based on limited measurement data taken by others. As such, it is difficult to accurately model such a system and may lead to underestimating its noise impact at this early stage of development.

Given the nature of the plant, its relative size and source levels, the department's preferred option would be to fully enclose the mill/shredder and generator in a large building.

that the department is of the opinion that housing the system and generator in a building would have the advantage of providing better certainty in the overall noise reduction achieved and should achieve a higher level of noise reduction compared to 5 m high noise barriers on all sides of the plant.

In accordance with the Noise Regulations, it is the overall noise emissions from the site that require compliance with the assigned noise levels. The department also notes that other activities such as unloading, loading, sorting, stockpiling and vibrations are occurring on site concurrently with the shredding system and will significantly contribute to the overall noise emissions.

The applicant advised that it is not feasible to fully enclose the mill/shredder and generator in a large building as the consultant has suggested for the following reasons;

- complete enclosure of the mill/shredder plant and generator could pose challenges in terms of regular maintenance, repairs, and overall access to the equipment. This could impact the operational efficiency of the plant;
- enclosing a large machine such as the shredder within a confined space could lead to heat buildup, potentially causing operational issues and safety concerns; and
- in the event of an emergency, having the mill/shredder and generator fully enclosed might impede firefighting efforts and access for emergency response teams.

Take into account those challenges, the applicant decided that 5 m-high concrete sound barriers would be a more practical and operationally effective choice.

Moreover, the applicant stated that the area is predominantly industrial in nature, with suburban housing further away to the north and south of the site. The existing barriers, including the scrap pile, colorbond fence, sea containers, neighbouring business tanks, and the street infrastructure on the eastern boundary, are strategically positioned between the noise source and the nearby building.

The applicant is of the opinion that the construction of 5 m high concrete sound barriers along a portion of the southern and eastern boundaries of the premises is sufficient to effectively reduce all noise emissions, taking into account the existing physical barriers within and near the surroundings.

### 3.3.3 Applicant proposed controls

Section 3.1.1 details the control measures the applicant has proposed to assist in controlling noise emissions.

### 3.3.4 Consequence

Given the proximity of residential and industrial receptors, the Delegated Officer has determined that the impact of noise emissions could have high-level off-site impacts to amenity and that the prescribed noise levels are at risk of not being met. Therefore, the Delegated Officer considers the consequence of noise emissions to be **Major**.

### 3.3.5 Likelihood of Risk Event

The Delegated Officer has determined that the likelihood of noise emissions causing a negative impact on adjacent premises could occur at some time after the commencement of operation of shredding system and other equipment. Therefore, the Delegated Officer considers the likelihood of the consequence of noise impacts to be **Likely**.

### 3.3.6 Overall rating of noise risk

The Delegated Officer has compared the consequence and likelihood ratings and determined that the overall rating for the risk of noise emissions is **High**.

### 3.3.7 Regulatory controls

In considering the findings of the risk assessment for overall noise emission from the site operations, the Delegated Officer considers the additional regulatory controls listed in Table 4 are necessary to address the uncertainties.

### 3.3.8 Key findings

**The Delegated Officer has reviewed the information regarding noise emissions from the premises and has found:**

1. Operational noise, particularly with the shredder system and generator, has the potential to cause amenity impacts on industrial and sensitive receptors.
2. Activities such as unloading, loading, sorting, stockpiling, and vibrations occurring on site concurrently with the shredding system will have a significant contribution to the overall noise emissions.
3. The applicant chose not to implement the recommendations of the acoustic consultant.
4. The delegated officer is not confident that the assigned levels in Regulation 8 of the *Environmental Protection (Noise) Regulations 1998* (Noise Regulations) can be met.
5. The applicant will be required to undertake a noise validation assessment to monitor the effectiveness of constructing 5 m high concrete sound barriers only along a portion of the southern and eastern boundaries of the premises.

**Table 4: Summary of additional regulatory controls for noise emission**

Condition number	Regulatory control
Condition 1 Table 1	The design and construction requirement for proposed 5 m-high concrete sound barriers along a portion of the southern and eastern boundaries of the premises was added by the delegated officer in order to address noise emissions from the Drake 16HP High Production Shredder.
Condition 6 Table 2	Operational requirements of the shredder system and noise barrier included for time limited operations.
Condition 12	Under Condition 12, the designated officer imposed operational hour limitations in order to reduce noise emissions from the premises operations.
Condition 23, 24, 25 and 26	During premises operations, the delegated officer determined that the overall noise emissions could be modified beyond the noise levels specified in the acoustic report. In order to evaluate the efficacy of the 5 m-high sound barrier along a portion of the southern and eastern boundaries of the premises, the delegated officer incorporated noise assessment-related conditions into the works approval. Additional noise measures will be implemented on the premises in the future if the assessment indicates that the noise exceeds the relevant assigned levels in the <i>Environmental Protection (Noise) Regulations 1997</i> .

## 4 Consultation

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

**Table 5: Consultation**

Consultation method	Comments received	Department response
Application advertised on the department's website on 12/04/2024	None received	N/A
Local Government Authority advised of proposal on 27/06/2024	None received	N/A
Applicant was provided with draft documents on 11/07/2024	The applicant responded on 15 July 2024. The applicant provided an updated site figure as requested by the department and requested the works approval be granted without further change.	Noted

## 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.

Premier Metal Recyclers will require a licence to authorise emissions associated with the ongoing operation of the premises, including the operation of all existing infrastructure at the premises used for recovery and fragmentation of scrap metal.

## 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.
4. Lloyd George Acoustics (2022), *Environmental Noise Assessment - Metal Shredder 87 Kelvin Road Maddington, WA 6109*, Lloyd George Acoustics Pty Ltd, Perth, Western Australia

## Appendix 1: Application validation summary

SECTION 1: APPLICATION SUMMARY (as updated from validation checklist)		
<b>Application type</b>		
Works approval	<input checked="" type="checkbox"/>	
Date application received	22 January 2024	
<b>Applicant and premises details</b>		
Applicant name/s (full legal name/s)	Abdullah Abdullah	
Premises name	Premier Metal Recyclers	
Premises location	87 Kelvin Road, Maddington WA 6109	
Local Government Authority	City of Gosnells	
<b>Application documents</b>		
HPCM file reference number:	DER2024/000037	
Key application documents (additional to application form):	A22.041-RPT-WA_A_FINAL Attachment 1A – Title 87 Kelvin Road Maddington Attachment 1B – ASIC Info Attachment 2A – Site Plan Attachment 2B – Site Map Attachment 5A – Written Planning Advice – PLN20-0322 - Confirmation of Approval of Metal Recycling Attachment 5B – Decision on Application for Development Approval Attachment 10 PMH – Order confirmation Premier Metals Q210328 Appendix A – D (duplicates of above) Appendix E – Bonfiglioli Drake Operating and Maintenance Manual Appendix F – Site Management Plan – Premier Metal Recyclers Appendix G – Acoustic Report	
<b>Scope of application/assessment</b>		
Summary of proposed activities or changes to existing operations.	Works approval application for the installation of a shredding system for scrap metal recovery.	
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 47 - Scrap metal recovery: premises (other than premises within category 45) on which metal scrap is fragmented or melted, including premises on which lead acid batteries are reprocessed.	100,000 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 checked="" type="checkbox"/> No <input type="checkbox"/>	Certificate of title <input checked="" 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: DA23/00365
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"/>	CPS No: N/A 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"/>	Application reference No: N/A Licence/permit No: N/A 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"/>	Application reference No: Licence/permit No: 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: N/A Has Regulatory Services (Water) been consulted? Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Regional office: 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"/>	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 checked="" type="checkbox"/> No <input type="checkbox"/>	<i>Environmental Protection (Unauthorised discharges) Regulations 2004</i>  <i>Environmental Protection (Noise) Regulations 1997</i>
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