



Application for Licence Amendment

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

Licence Number	L9408/2023/1
Licence Holder	Shire of Ashburton
File Number and Application number	DER2023/000528 and APP-0026831
Premises	<p>Tom Price Waste Disposal Site</p> <p>Lot 300 Bingarn Road/ Manuwarra Red Dog Highway</p> <p>TOM PRICE WA 6751</p> <p>Legal description –</p> <p>Crown Reserve 50203 within Lot 300 on Plan 52584, TOM PRICE WA 6751</p> <p>As defined by the premises boundary coordinates in Schedule 2.</p>
Date of Report	23 July 2025
Decision	Revised licence granted

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an officer delegated under section 20 of the *Environmental Protection Act 1986* (WA)

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1. Decision summary

Licence L9408/2023/1 is held by the Shire of Ashburton (licence holder) for the Tom Price Waste Disposal Site (the premises), located at Lot 300 Bingarn Road / Manuwarra Red Dog Highway in Tom Price.

This Amendment Report documents the assessment of potential risks to the environment and public health from proposed changes to the emissions and discharges during operation of the Premises. As a result of this assessment, Revised licence L9408/2023/1 has been granted.

2. Scope of assessment

2.1 Regulatory framework

In completing the assessment documented in this Amendment Report, the department has considered and given due regard to its Regulatory Framework and relevant policy documents which are available at <https://dwer.wa.gov.au/regulatory-documents>.

2.2 Application summary

On 06 December 2024, the licence holder submitted an application to the department to amend licence L9408/2023/1 under section 59 and 59B of the *Environmental Protection Act 1986* (EP Act). The following amendments are being sought:

- the addition of category 61A for the mulching of greenwaste (3,000 tonnes per annual period);
- the addition of category 62: solid waste storage to the licence (3,500 tonnes per annual period); and
- as part of category 62 waste acceptance - the addition of hazardous waste acceptance (500 tonnes per annual period)

The licence holder seeks to add category 62 to the licence in order to accept hydrocarbon and hazardous waste from mining oil and gas sectors in the region. The premises will act as a transfer station for these waste types to be consolidated before a cost viable load is attained and transferred to the Pilbara Regional Waste Management Facility in Onslow (L9304/2021/1). The licence holder also seeks to accept household hazardous waste. The waste types accepted under 62 are listed below in Table 1.

The licence holder received a large amount of municipal greenwaste generated from storms in late 2024. As a result of this excess greenwaste, the licence holder seeks to add mulching activities to reduce greenwaste volume and subsequent fire risk. The application proposes to repurpose the existing push pit sorting bay to receive and sort hydrocarbon solid controlled waste, as well as repurposing the reuse shop to store packaged hazardous waste (liquid waste).

Table 1 below outlines the proposed changes to the existing licence.

Table 1: Proposed throughput capacity changes

Category	Current throughput capacity	Proposed throughput capacity	Description of proposed amendment
61A	N/A	3,000 tonnes per annual period	Storage and mulching of greenwaste on the premises.

Category	Current throughput capacity	Proposed throughput capacity	Description of proposed amendment
62	N/A	3,500 tonnes per annual period	<p>Proposed solid wastes:</p> <ul style="list-style-type: none"> Scrap metal, white goods, e-waste and greenwaste (1,500 tonnes per annual period) Solid hydrocarbon wastes; rags and absorbent material saturated with oil/grease, hydrocarbon hoses, used oil filters, and soil contaminated with controlled waste (1,500 tonnes per annual period). <p>Proposed hazardous waste accepted on the premises – 500 tonnes per annual period:</p> <ul style="list-style-type: none"> Acids Aerosols - CFC based Aerosols, flammable – pesticide, paint and lacquers Alkali Arsenic based products Batteries – household, dry cell Cyanides Engine coolants and glycols Fire extinguishers – non-halon Flammable liquids – hydrocarbons and fuels Flammable solids Flares Fluorescent tubes, CFL and light fittings Gas cylinders (propane and other) General household chemicals and cleaners Heavy metal compounds Inorganic oxidising agents Low level radioactive substances (e.g. smoke detectors) Mercury Organic peroxides Paint – metal based, including isocyanates and amines, recyclable, solvent based (including resins and adhesives), and water based PCB materials Pesticides Solvents – halogenated

Category	Current throughput capacity	Proposed throughput capacity	Description of proposed amendment
			<ul style="list-style-type: none"> Poisons/toxics Unknown chemicals must be sealed, chemical-resistant containers

3. Risk assessment

The department assesses the risks of emissions from prescribed premises and identifies the potential source, pathway and impact to receptors in accordance with the *Guideline: Risk assessments* (DWER 2020).

To establish a Risk Event there must be an emission, a receptor which may be exposed to that emission through an identified actual or likely pathway, and a potential adverse effect to the receptor from exposure to that emission.

3.1 Source-pathways and receptors

3.1.1 Emissions and controls

The key emissions and associated actual or likely pathway during premises operation which have been considered in this Amendment Report are detailed in Table 2 below. Table 2 also details the proposed control measures the licence holder has proposed to assist in controlling these emissions, where necessary.

Table 2: Licence holder controls

Emission	Sources	Potential pathways	Proposed controls
Dust	Mulching of greenwaste Stockpiling of mulched greenwaste Acceptance and storage of solid waste	Air / windborne pathway	<ul style="list-style-type: none"> Application of water on unsealed roads and dusty waste prior to disposal at the tipping face where necessary
Windblown waste	Acceptance and storage of solid waste	Air / windborne pathway	<ul style="list-style-type: none"> Existing windblown waste controls on the licence
Noise	Mulching of greenwaste Acceptance and storage of solid and hazardous wastes	Air / windborne pathway	<ul style="list-style-type: none"> Waste acceptance and earthmoving activities limited to 07:30 to 15:30 Tuesday to Saturday, and 07:30 to 12:30 on Sunday.
Odour	Acceptance and storage of hazardous	Air / windborne pathway	<ul style="list-style-type: none"> No additional controls proposed

Emission	Sources	Potential pathways	Proposed controls
	wastes Spills and leakage of liquid waste during storage and handling		
Smoke, fire	Stockpiling of mulched greenwaste Acceptance and storage of solid waste Acceptance and storage of hazardous wastes	Air / windborne pathway	<ul style="list-style-type: none"> F100 & F120 solvent-based waste are stored in open cut IBCs with strict access control to reduce fire hazards. Hydrocarbon solid waste stored in impermeable containers. Chemicals appropriately segregated to avoid cross-contamination and chemical reactions. Fire suppression systems – Fire extinguishers, water cart and spill kits are placed near all flammable liquid and oil-based waste storage areas to ensure rapid response in case of incidents. A gatehouse, viewing platform and CCTV cameras have been installed on the weighbridge Waste with compromised container integrity must be stored in a secondary containment area prior to recovery and decanting to a suitable impermeable container. All incompatible waste types must be stored separately.
Fire-fighting wash water	Upset conditions	Overland flow and subsurface seepage	Existing fire management controls on the licence
Leachate Liquid waste	Acceptance and storage of hazardous wastes Spills and leakage of hazardous waste during storage and handling	Overland flow and subsurface seepage	<ul style="list-style-type: none"> Weekly site inspections are conducted to check for leaks, spills, and contamination risks in all waste storage areas. Spill response kits are available in high-risk areas, including oil storage, battery storage, and flammable liquids storage. Secondary containment – Lead-acid batteries (D221) are stored on pallets with containment trays to capture acid leaks. Bunded containment – Oil and oily waste (J100, J120, J130, J180) are stored in a 1,500L bunded area to

Emission	Sources	Potential pathways	Proposed controls
			contain spills. <ul style="list-style-type: none"> E-waste bins and scrap metal areas are regularly inspected and cleaned to prevent liquid accumulation and minimise contamination risks. Hydrocarbon waste to be stored in impermeable containers
Contaminated stormwater	Acceptance and storage of hazardous wastes Spills and leakage of hazardous waste during storage and handling	Overland flow and subsurface seepage	<ul style="list-style-type: none"> Weekly site inspections are conducted to check for leaks, spills, and contamination risks in all waste storage areas. E-waste bins and scrap metal areas are regularly inspected and cleaned to prevent liquid accumulation and minimise contamination risks.

3.1.2 Receptors

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

Table 3 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)). Figure 1 below displays the distance to these receptors.

Table 3: Sensitive human and environmental receptors and distance from prescribed activity

Human receptors	Distance from prescribed activity
Town of Tom Price	1.1 km south-east of premises boundary
Environmental receptors	Distance from prescribed activity
Native vegetation	Surrounding the premises
Surface water lines	Two minor surface water lines running west-east (95 m north of premises boundary) and north-south (230 m south) of premises boundary
Underlying groundwater (non-potable purposes)	7 – 17 m bgl flowing north-west

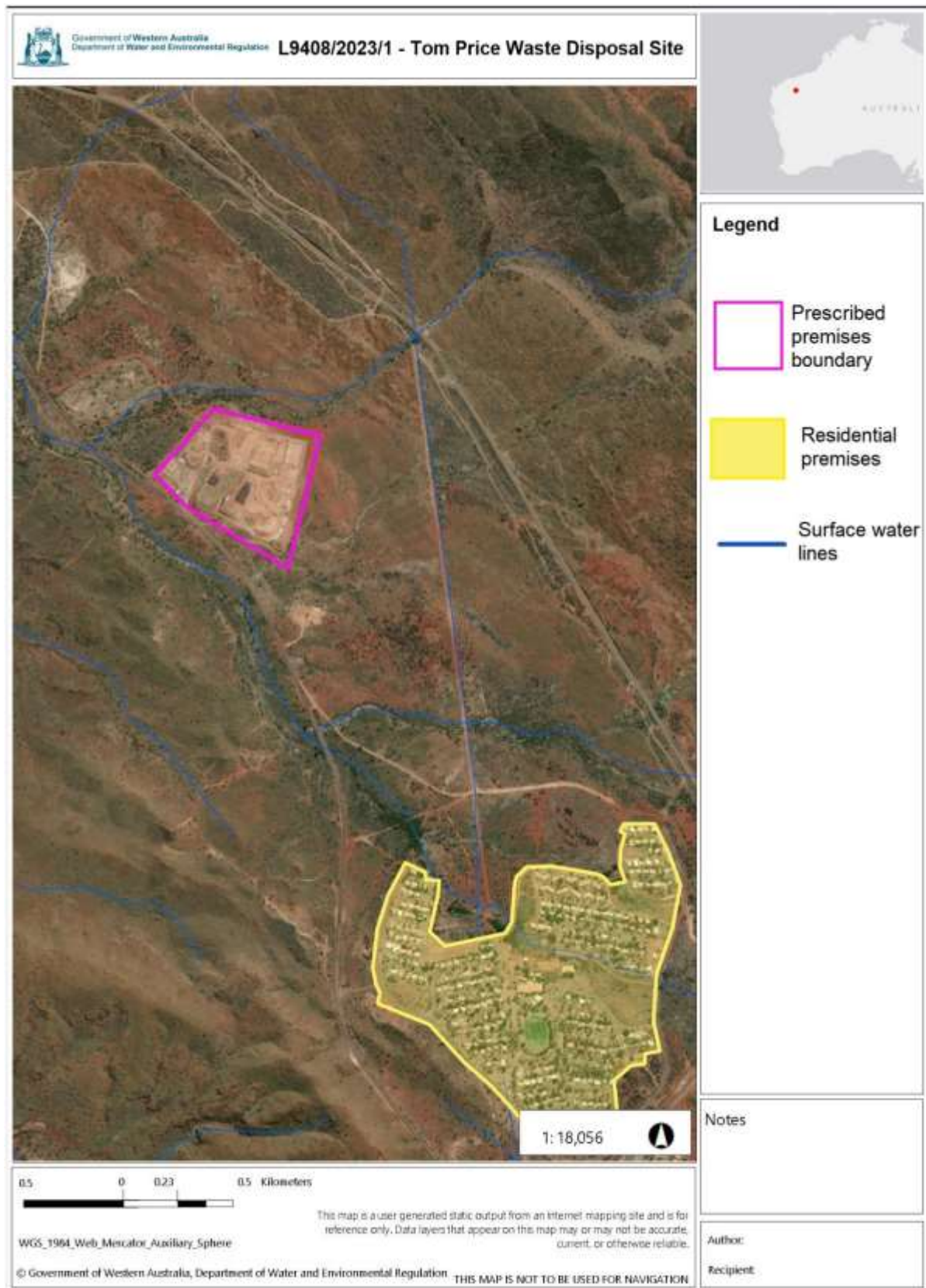


Figure 1: Distance to sensitive receptors

3.2 Risk ratings

Risk ratings have been assessed in accordance with the *Guideline: Risk Assessments* (DWER 2020) for those emission sources which are proposed to change and takes into account potential source-pathway and receptor linkages as identified in Section 3.1. Where linkages are incomplete they have not been considered further in the risk assessment.

Where the licence holder has proposed mitigation measures/controls (as detailed in Section 3.1), these have been considered when determining the final risk rating. Where the Delegated Officer considers the licence holder's proposed controls to be critical to maintaining an acceptable level of risk, these will be incorporated into the licence as regulatory controls.

Additional regulatory controls may be imposed where the licence holder's controls are not deemed sufficient. Where this is the case the need for additional controls will be documented and justified in Table 4.

The revised licence L9408/2023/1 that accompanies this amendment report authorises emissions associated with the operation of the premises i.e. category 13, 62 and 64 activities.

The conditions in the Revised Licence have been determined in accordance with *Guidance Statement: Setting Conditions* (DER 2015).

Table 4. Risk assessment of potential emissions and discharges from the premises during operation

Risk Event					Risk rating ¹ C = consequence L = likelihood	Licence holder's controls sufficient?	Conditions ² of licence	Justification for additional regulatory controls
Source/ Activities	Potential emission	Potential pathways and impact	Receptors	Licence holder's controls				
Operation								
Acceptance and storage of solid and hazardous wastes Vehicle movements	Dust	Pathway: Air/windborne pathway Impact: Health and amenity	<ul style="list-style-type: none">Residents 1.1 km south-east of premises boundary	Refer to Section 3.1	C= Slight L= Unlikely Low Risk	Y	No additional controls proposed	Existing conditions of licence sufficient to manage the risk of dust.
	Noise	Pathway: Air/windborne pathway Impact: Health and amenity	<ul style="list-style-type: none">Residents 1.1 km south-east of premises boundary	Refer to Section 3.1	C = Minor L = Rare Low Risk	Y	No additional controls proposed	Existing conditions of licence and distance to receptors are sufficient to manage the risk of noise from vehicle movements.
	Smoke/fire	Pathway: Air/windborne pathway Impact: Health and amenity	<ul style="list-style-type: none">Residents 1.1 km south-east of premises boundarySurrounding vegetation	Refer to Section 3.1	C = Major L = Unlikely Medium Risk	N	<u>Condition 7</u>	The delegated officer notes the proximity to native vegetation surrounding the premises. To reduce the risk of fire from the storage of hazardous wastes, storage requirements have also been conditioned (condition 7).
	Fire fighting wash water	Pathway Overland flow and subsurface seepage Impact: Soil and groundwater quality	<ul style="list-style-type: none">Surrounding vegetationMinor surface water lines 95 m north and 230 m south of premises boundary	Refer to Section 3.1	C = Major L = Unlikely Medium Risk	Y	No additional controls proposed	The delegated officer notes the existing fire fighting wash water controls are sufficient.
	Leachate	Pathway Overland flow and subsurface seepage Impact: Soil and groundwater quality	<ul style="list-style-type: none">Surrounding vegetationMinor surface water lines 95 m north and 230 m south of premises boundary	Refer to Section 3.1	C = Moderate L = Unlikely Medium Risk	N	<u>Conditions 7, 30</u>	The applicant notes past groundwater monitoring reports show an increase in contaminant levels. The delegated officer has added groundwater monitoring parameters to enhance monitoring and update the monitoring suite to contemporary standards. The addition of Major Anions and Cations to the monitoring suite will allow for more

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Risk Event					Risk rating ¹	Licence holder's controls sufficient?	Conditions ² of licence	Justification for additional regulatory controls
Source/ Activities	Potential emission	Potential pathways and impact	Receptors	Licence holder's controls	C = consequence L = likelihood			
								comprehensive monitoring of changes in groundwater from the storage of solid and hazardous wastes.
	Contaminated stormwater	Pathway Overland flow and subsurface seepage Impact: Soil and groundwater quality	<ul style="list-style-type: none"> Surrounding vegetation Minor surface water lines 95 m north and 230 m south of premises boundary 	Refer to Section 3.1	C = Moderate L = Unlikely Medium Risk	N	<u>Conditions 7, 30</u>	The delegated officer has added groundwater monitoring parameters to update the monitoring requirements to a more contemporary suite. Additional heavy metal parameters will improve monitoring for contamination from stormwater runoff from stockpiled scrap metal and white goods. Addition of hazardous waste acceptance warrants addition of further parameters (Arsenic and Boron).
	Spills of liquid waste	Pathway Overland flow and subsurface seepage Impact: Soil and groundwater quality	<ul style="list-style-type: none"> Surrounding vegetation Minor surface water lines 95 m north and 230 m south of premises boundary 	Refer to Section 3.1	C = Minor L = Unlikely Medium Risk	N	Condition 22 <u>Conditions 7, 23</u>	The delegated officer has strengthened the applicant's category 62 storage conditions for e-waste. Standard condition 23 has been added to support the clean up of spills.
Mulching of greenwaste Stockpiling of mulched greenwaste	Dust	Pathway: Air/windborne pathway Impact: Health and amenity	<ul style="list-style-type: none"> Residents 1.1 km south-east of premises boundary 	Refer to Section 3.1	C= Slight L= Unlikely Low Risk	Y	No additional controls proposed	Existing conditions of licence are sufficient to manage the risk of dust.
	Noise	Pathway: Air/windborne pathway Impact: Health and amenity	<ul style="list-style-type: none"> Residents 1.1 km south-east of premises boundary 	Refer to Section 3.1	C = Moderate L = Rare Medium Risk	N	<u>Condition 1</u>	Standard noise conditions have been added to condition the use of the greenwaste shredder to ensure the noise emissions are in line with the <i>EP Noise Regulations</i> .
	Leachate	Pathway Overland flow and subsurface seepage Impact: Soil and	<ul style="list-style-type: none"> Surrounding vegetation Minor surface water lines 95 m north and 230 m 	Refer to Section 3.1	C = Minor L = Unlikely Medium Risk	Y	No additional controls proposed	Existing conditions of licence sufficient to manage the risk of leachate from stockpiling of mulched greenwaste.

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Risk Event					Risk rating ¹	Licence holder's controls sufficient?	Conditions ² of licence	Justification for additional regulatory controls
Source/ Activities	Potential emission	Potential pathways and impact	Receptors	Licence holder's controls	C = consequence L = likelihood			
		groundwater quality	south of premises boundary					
	Contaminants (seeds, weeds, pathogens) contained in mulch	Pathway: Movement of mulch offsite Impact: Introduction of pests/pathogens to native vegetation	<ul style="list-style-type: none"> Any user of the mulch product Any receiving environment of the mulch product 	Refer to Section 3.1	C = Minor L = Unlikely Medium Risk	N	<u>Condition 7</u>	The delegated officer notes that mulch will not be pasteurised. To reduce risk of contaminants/weeds being introduced into the environment; signage has been conditioned (as part of condition 7) if mulch is to be made available for public use.
	Smoke/fire	Pathway: Air/windborne pathway Impact: Health and amenity	<ul style="list-style-type: none"> Residents 1.1 km south-east of premises boundary Surrounding vegetation 	Refer to Section 3.1	C = Major L = Unlikely Medium Risk	N	<u>Condition 7</u>	The delegated officer notes the proximity to native vegetation surrounding the premises. To reduce the risk of fire from mulch stockpiles temperature monitoring and stockpile dimensions have been conditioned as per <i>DWER Guideline: Better practice organics recycling guideline</i> (condition 7).
	Fire fighting wash water	Pathway Overland flow and subsurface seepage Impact: Soil and groundwater quality	<ul style="list-style-type: none"> Surrounding vegetation Minor surface water lines 95 m north and 230 m south of premises boundary 	Refer to Section 3.1	C = Moderate L = Unlikely Medium Risk	Y	No additional controls proposed	The delegated officer notes the existing fire fighting wash water controls are sufficient.

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

Note 2: Proposed licence holder's controls are depicted by standard text. **Bold and underline text** depicts additional regulatory controls imposed by department.

4. Consultation

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

Table 5: Consultation

Consultation method	Comments received	Department response
Licence holder was provided with draft amendment on 22 May 2025	Comments received on the draft on the 22 July 2025.	See Appendix 1.

5. Conclusion

Based on the assessment in this Amendment Report, the Delegated Officer has determined that a revised licence will be granted, subject to conditions commensurate with the determined controls and necessary for administration and reporting requirements.

5.1 Summary of amendments

Table 6 provides a summary of the proposed amendments and will act as record of implemented changes. All proposed changes have been incorporated into the revised licence as part of the amendment process.

Table 6: Summary of licence amendments

Revised condition no.	Condition description	Previous condition no.	Proposed amendments
Cover page	Licence overview	Cover page	Updated premises address to include Manuwarra Red Dog Highway. Added category 61A: solid waste reprocessing facility, and 62: solid waste facility to the licence.
Condition 1 Table 1	Site infrastructure and equipment	Condition 1 Table 1	Amended row 2 to reflect requested changes to pushpit sorting bays with a Hydrocarbon solid controlled waste throughput of 1,500 tonnes per annual period. Added hazardous packaged waste shed (row 3). Added infrastructure requirements for the greenwaste shredder/chipper.
Condition 3 Table 2	Waste acceptance	Condition 3 Table 2	Removed waste codes from table Added category 62: solid waste facility waste types; scrap metal, white goods, e-waste, hazardous waste and hydrocarbon wastes. Removed vehicle batteries (covered under hazardous waste).
Condition 7 Table 3	Waste processing and storage	Condition 7 Table 3	Added mulching activities Added waste processing for category 62 waste types
Condition 22	Recovery of spills	N/A	Added condition

Revised condition no.	Condition description	Previous condition no.	Proposed amendments
Condition 23	Recovery of material used for spill removal	N/A	Added condition
Condition 24	Fire management	Condition 22	Revised condition number.
Condition 25	Water monitoring sampling	Condition 23	Revised condition number.
Condition 26	Quarterly monitoring requirement	Condition 24	Revised condition number.
Condition 27	Calibration of monitoring equipment	Condition 25	Revised condition number.
Condition 28	Notification to CEO of calibration cannot be met	Condition 26	Revised condition number.
Condition 29 Table 5	Monitoring of inputs and outputs	Condition 27 Table 5	Added hazardous waste to Waste inputs.
Condition 30 Table 6	Monitoring of groundwater quality	Condition 28 Table 6	Updated groundwater monitoring quality parameters to be in line with contemporary groundwater monitoring requirements for a landfill. Standard field measurements added to licence – “Temperature”, “Redox potential”, “Dissolved oxygen”. Water quality parameters added, “Ca”, “Mg”, “Na”, “K”, SO ₄ , “bicarbonate”, “carbonate”, “Arsenic”, “Boron”, “Iron”, and “Manganese”.
Condition 31	Complaints	Condition 29	Revised condition number.
Condition 32	Maintaining accurate records – data required by the licence	Condition 30	Revised condition number.
Condition 33	Maintaining accurate records - crushed material testing	Condition 31	Revised condition number.
Condition 34	Books	Condition 32	Revised condition number.
Condition 35	Maintaining a register of Special Waste 1 and Special Waste 2	Condition 33	Revised condition number.
Condition 36	Annual Audit Compliance Report	Condition 34	Revised condition number.
Condition 37	Notification of unauthorised fires	Condition 35	Revised condition number.
Condition 38 Table 7	Annual Environmental Report	Condition 36 Table 7	Revised condition number.

Revised condition no.	Condition description	Previous condition no.	Proposed amendments
Condition 39	Annual Environmental Report – comparison to previous monitoring.	Condition 37	Revised condition number.
Schedule 1: Premises maps	Premises Maps	Schedule 1: Premises maps	<p>Updated Figure 1: Map of the boundary of the prescribed premises</p> <p>Updated Figure 2: Premises layout</p> <p>Updated Figure 3: Waste drop-off area</p> <p>Added Figure 4: Hazardous packaged waste shed layout</p>

References

1. Department of Environment Regulation (DER) 2015, *Guidance Statement: Setting Conditions*, Perth, Western Australia.
2. Department of Water and Environmental Regulation (DWER) 2022, *Guideline: Better Practice Organics Recycling*, Perth, Western Australia.
3. DWER 2020, *Guideline: Environmental Siting*, Perth, Western Australia.
4. DWER 2020, *Guideline: Risk Assessments*, Perth, Western Australia.

Appendix 1: Summary of licence holder's comments on risk assessment and draft conditions

Condition	Summary of licence holder's comment	Department's response
Condition 1 Table 1	Licence holder has confirmed the hazardous packaged waste shed dimensions used in this table are correct, not dimensions displayed in Figure 4.	Noted. The delegated officer has removed the incorrect dimensions noted in Figure 4.
Condition 7 Table 3	Licence holder requested reasoning for mulching process requirements included in this table. The Shire noted they do not plan to make mulch available for public use at this stage.	The delegated officer has provided additional reasoning for these conditions (noting fire and possible contamination from unpasteurised mulch) in the risk assessment table and included the <i>DWER Guideline: Better Practice Organics Recycling</i> for reference in this report. The delegated officer has also added that signage requirements are only required if mulch is to be made available for public use.