



## Application for Licence Amendment

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

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<b>Licence Number</b>	L6977/1997/10
<b>Licence Holder</b>	Shire of Northam
<b>Application Number</b>	APP-0028407
<b>Premises</b>	Old Quarry Road Waste Disposal Facility Old Quarry Road NORTHAM WA 6401  Legal description – Reserve 26840 Lot 422 on Plan 101078 Old Quarry Road NORTHAM WA 6401
<b>Date of Report</b>	28 August 2025
<b>Decision</b>	Revised licence granted

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## 1. Decision summary

Licence L6977/1997/10 is held by Shire of Northam (Licence Holder) for the Old Quarry Road Waste Disposal Facility (the Premises), located at Reserve 26840 Lot 422 on Plan 101078 Old Quarry Road Northam WA 6401.

This Amendment Report documents the assessment of potential risks to the environment and public health from proposed changes to the emissions and discharges during the construction and operation of the Premises. As a result of this assessment, Revised Licence L6977/1997/10 has been granted.

## 2. Scope of assessment

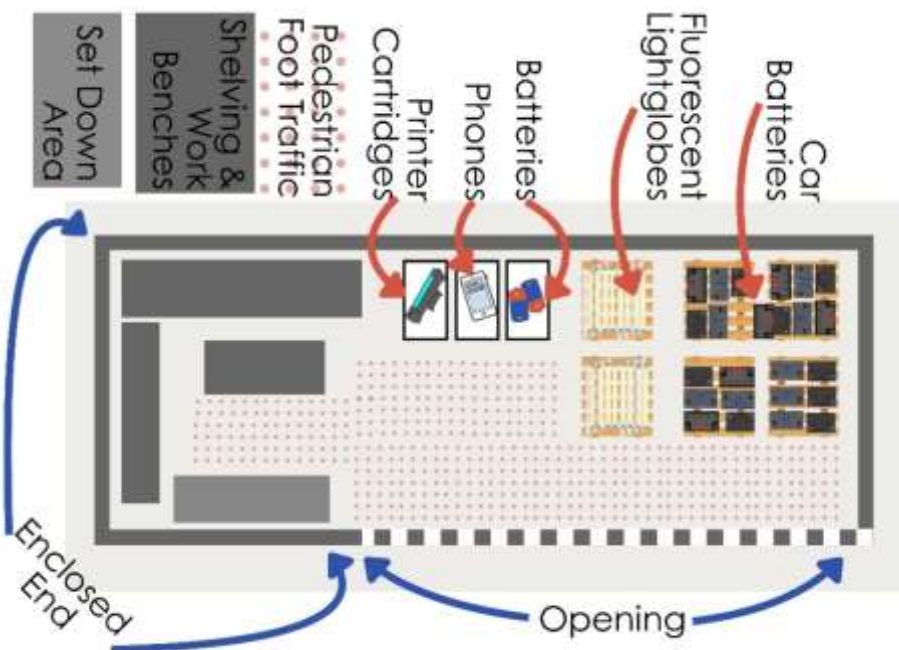
### 2.1 Regulatory framework

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 15 February 2025, the Shire of Northam (the Licence Holder) submitted an application to the department to amend Licence L6977/1997/10 under section 59 and 59B of the *Environmental Protection Act 1986* (EP Act), seeking approval for the construction and operation of an e-waste shed to facilitate the acceptance and storage of e-waste prior to its offsite transportation for recycling.

The Licence Holder aims to provide dedicated storage at the Old Quarry Waste Management Facility for e-waste and tagging and testing equipment, supporting the goal of zero waste to landfill by 2025. The proposed e-waste shed will be constructed on a concrete hardstand and comprise three bays, with one end enclosed.



**Figure 1: Layout of the proposed e-waste shed**

This amendment is limited only to changes to Category 62 activities from the Existing Licence. No changes to the aspects of the existing Licence relating to Category 57, 61 and 64 have been requested by the Licence Holder.

Table 1 below outlines the proposed changes to the existing Licence L6977/1997/10.

**Table 1: Proposed design or throughput capacity changes**

Category	Current design and throughput capacity	Proposed design and throughput capacity	Description of proposed amendment
Category 57: Used tyre storage	300 tyres at any one time	300 tyres at any one time	No proposed change to approved category 57 activities
Category 61: Liquid waste facility	7,000 tonnes per annum	7,000 tonnes per annum	No proposed change to approved liquid waste facility
Category 62: Solid waste depot	3,000 tonnes per annum	3,000 tonnes per annum	Construction and operation of an e-waste storage shed
Category 64: Class II or III putrescible landfill site	50,000 tonnes per annum	50, 000 tonnes per annum	No proposed change to approved Class II landfilling activities.

### 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 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**

Sources	Emission	Potential pathways	Proposed controls
Construction			
Construction of e-waste storage shed  Vehicle movements	Dust	Air/windborne pathway	No additional controls were proposed. The existing Licence includes various controls for the management of dust and noise.
	Noise	Air/windborne pathway	
Operation			
Receipt, handling, and storage of e-waste  Vehicle movement	Dust	Air/windborne pathway	No additional controls were proposed. The existing Licence includes various controls for the management of dust and noise.
	Noise	Air/windborne pathway	
	Unauthorised fires – smoke and fire spread	Air/windborne pathway	No additional controls were proposed. The existing Licence includes various controls for the management of fire.
	Spills of hazardous waste	Direct discharge to the land	E-waste acceptance is limited to 1 tonne per annual period.
	Contaminated stormwater	Seepage to soils and groundwater	The e-waste shed consists of 40 m <sup>2</sup> concrete hardstand area.  E-waste must be stored inside the 4 m width x 10 m length x 3 m height metal shed
	Firewater	Seepage to soils and groundwater	

### 3.1.2 Receptors

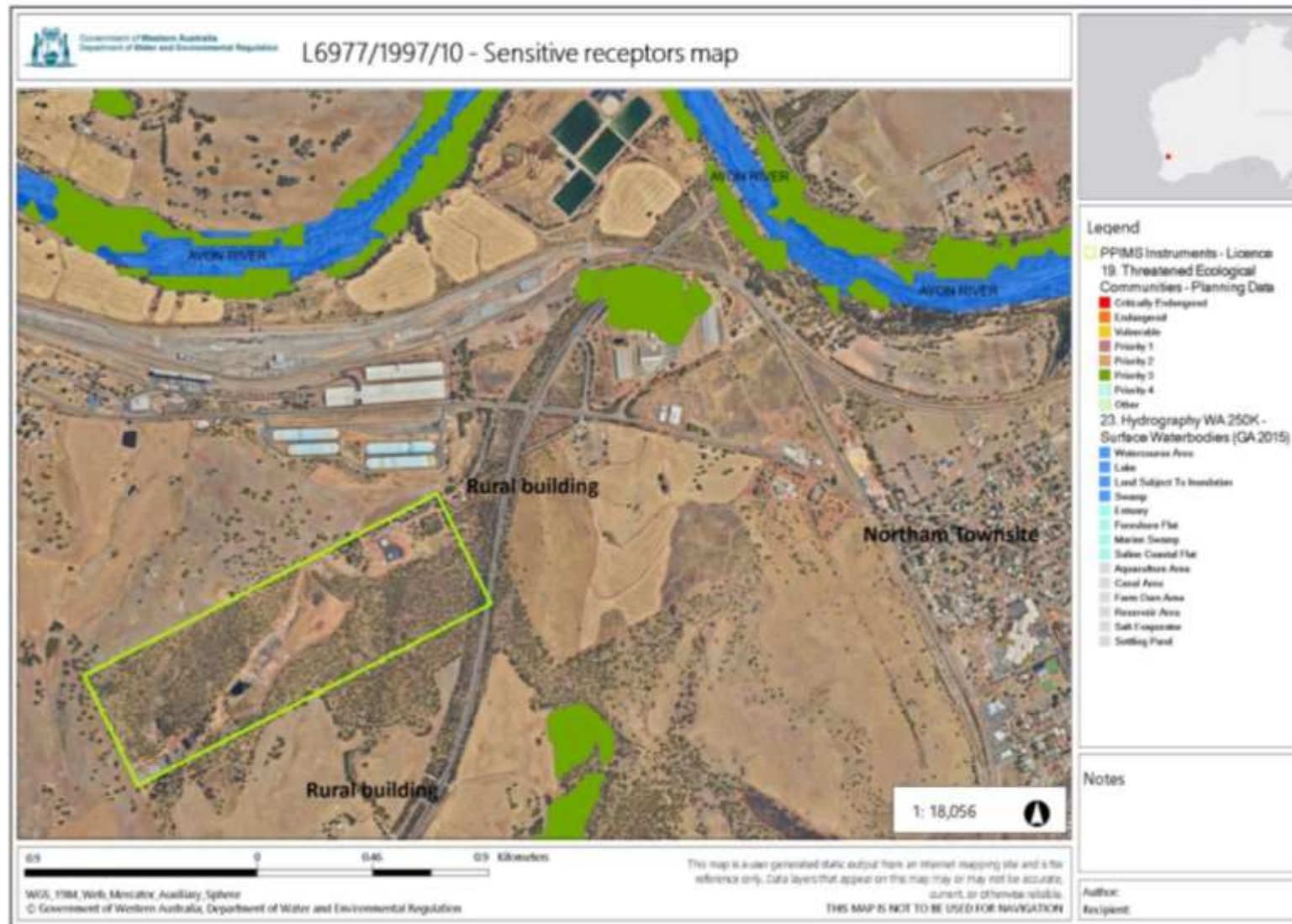
In accordance with the *Guideline: Risk assessments* (DWER 2020), the Delegated Officer has excluded employees, visitors and contractors of the Licence Holder's from its assessment. Protection of these parties often involves different exposure risks and prevention strategies, and is provided for under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

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

Human receptors	Distance from prescribed activity
Shire of Northam Dog and Vehicle Pound, Old Quarry Road NORTHAM WA	Approximately 30 m east of eastern premises boundary
Rural property	Approximately 380 m southeast of southern premises boundary Approximately 490 m northeast of eastern premises boundary
Environmental receptors	Distance from prescribed activity
Priority ecological communities	P3 - Eucalypt woodlands of the Western Australian Wheatbelt – approximately 400 m southeast and 750 m north-east of the premises boundary
Avon river	Approximately 800 m north of the premises boundary
Groundwater	Approximately 5 mBGL (172 mAHD)
RIWI Proclaimed Surface Water Area	Avon River Catchment Area





**Figure 2: Distance to sensitive receptors**

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## 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 0. 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 0), 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 L6977/1997/10 that accompanies this Amendment Report authorises emissions associated with the operation of the Premises.

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 construction and operation

Risk Event					Risk rating <sup>1</sup> C = consequence L = likelihood	Licence Holder's controls sufficient?	Conditions <sup>2</sup> of licence	Justification for additional regulatory controls
Source/Activities	Potential emission	Potential pathways and impact	Receptors	Licence Holder's controls				
Construction								
Construction of e-waste storage shed by metal.	Dust	Air/windborne pathway causing impacts to health and amenity	Resident 30 m east of eastern premises boundary	Refer to Section 3.1	C = Slight L = Rare <b>Low Risk</b>	Yes	Condition 16 and 33	The Delegated Officer considers dust and noise emissions associated with the construction of e-waste infrastructure can be adequately regulated by the general provisions of the EP Act.
Vehicle movements	Noise		P3 – ecological community – approximately 400 m southeast	Refer to Section 3.1	C = Slight L = Rare <b>Low Risk</b>	Yes	Condition 8 and 33	
Operation								
Receipt, handling, and storage of e-waste	Dust	Air/windborne pathway causing impacts to health and amenity	Resident 30 m east of eastern premises boundary P3 – ecological community – approximately 400 m southeast	Refer to Section 3.1	C = Slight L = Rare <b>Low Risk</b>	Yes	Condition 16 and 33	The Delegated Officer considers dust and noise emissions associated with the acceptance and storage of e-waste can be adequately regulated by the general provisions of the EP Act.
	Noise			Refer to Section 3.1	C = Slight L = Rare <b>Low Risk</b>	Yes	Condition 8 and 33	
				Unauthorised fires – smoke and fire spread		Refer to Section 3.1	C = Severe L = Unlikely <b>High Risk</b>	Yes
Vehicle movement	Spills of hazardous waste	Overland runoff potentially causing ecosystem disturbance or impacting surface water quality	Groundwater ~ 5 mBGL	Refer to Section 3.1	C = Minor L = Unlikely <b>Medium Risk</b>	Yes	<b>Condition 1, 2, 3 and 4</b> Condition 6, 7, 21 and 33	
	Contaminated stormwater		Premiises within RIWI surface water area	Refer to Section 3.1	C = Minor L = Unlikely <b>Medium Risk</b>	Yes	<b>Condition 1, 2, 3 and 4</b> Condition 7, 21, 23, 24, 25, 27, 29, 30 and 33	
	Fire water		Avon river ~ 800 m north of the premises boundary	Refer to Section 3.1	C = Minor L = Unlikely <b>Medium Risk</b>	Yes	<b>Condition 1, 2, 3 and 4</b> Condition 7, 10, 11, 17, 18, 19, 22, 25, 27, 29, 30 and 33	

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 3 July 2025	On 13 August 2025, the Licence Holder confirmed that the updates made in the draft licence are acceptable	Noted

## 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 licence condition	Previous licence condition	Conversion notes
Cover page	Cover page	Added Environment Online reference number Revised to current licensing format.
Licence history	Licence history	Updated the licence history table
Condition 1 Table 1	N/A	New standard construction condition added to ensure the proposed infrastructure is built in accordance with the requirements listed in Table 1.
Condition 2	N/A	New standard auditing condition to require submission of an Environmental Compliance Report.
Condition 3	N/A	New standard condition requiring the Environmental Compliance Report to be signed by a person authorised to represent the Licence Holder.
Condition 4 Table 2	Condition 1 Table 1	Added e-waste shed operational and maintenance requirement into the licence
Condition 5	Condition 2	Added e-waste acceptance specifications into Table 3

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Table 3	Table 2	
Condition 6	Condition 3	New numbering and revised to current licensing format.
Condition 7 Table 4	Condition 4 Table 3	Added e-waste processing specifications into Table 4.
Condition 8	Condition 5	New numbering and revised to current licensing format.
Condition 9	Condition 6	New numbering and revised to current licensing format.
Condition 10	Condition 7	New numbering and revised to current licensing format.
Condition 11	Condition 8	New numbering and revised to current licensing format.
Condition 12	Condition 9	New numbering and revised to current licensing format.
Condition 13	Condition 10	New numbering and revised to current licensing format.
Condition 14	Condition 11	New numbering and revised to current licensing format.
Condition 15	Condition 12	New numbering and revised to current licensing format.
Condition 16	Condition 13	New numbering and revised to current licensing format.
Condition 17	Condition 14	New numbering and revised to current licensing format.
Condition 18	Condition 15	New numbering and revised to current licensing format.
Condition 19	Condition 16	New numbering and revised to current licensing format.
Condition 20	Condition 17	New numbering and revised to current licensing format.
Condition 21	Condition 18	New numbering and revised to current licensing format.
Condition 22	Condition 19	New numbering and revised to current licensing format.
Condition 23	Condition 20	New numbering and revised to current licensing format.
Condition 24	Condition 21	New numbering and revised to current licensing format.
Condition 25	Condition 22	New numbering and revised to current licensing format.
Condition 26	Condition 23	New numbering and revised to current licensing format.
Condition 27	Condition 24	New numbering and revised to current licensing format.
Condition 28 Table 5	Condition 25 Table 4	New numbering and revised to current licensing format.
Condition 29	Condition 26	New numbering and revised to current licensing format.
Condition 30	Condition 27	New numbering and revised to current licensing format.

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Table 6	Table 5	
Condition 31	Condition 28	New numbering and revised to current licensing format.
Condition 32	Condition 29	New numbering and revised to current licensing format.
Condition 33	Condition 30	New numbering and revised to current licensing format.
Condition 34	Condition 31	New numbering and revised to current licensing format.
Table 7	Table 6	
Condition 35	Condition 32	New numbering and revised to current licensing format. Addition of the requirement to maintain books related to the works conducted under condition 1.
Condition 36	Condition 33	New numbering and revised to current licensing format.
Condition 37	Condition 34	New numbering and revised to current licensing format.
Definitions Table 8	Definitions Table 7	Updated the definition for e-waste. Added a definition for approved form. Deleted the definition for Annual Audit Compliance Report.
Schedule 1 Figure 3	N/A	Added Figure 3 showing the proposed location of E-waste storage at the Premises.
Schedule 1 Figure 4	N/A	Added Figure 4 showing the proposed construction plans of the E-waste storage shed.

## 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.