



Decision Document

Environmental Protection Act 1986, Part V

Proponent: Perthwaste Pty Ltd

Licence: L8798/2013/1

Registered office: Perthwaste PTY LTD
65 Howson Way
BIBRA LAKE WA 6163

ACN: 118 828 872

Premises address: Perth Operations Centre
Lot 27 on Plan 3699 Howson Way
BIBRA LAKE WA 6163

Issue date: Thursday, 05 December 2013

Commencement date: Monday, 09 December 2013

Expiry date: Saturday, 08 December 2018

Decision

Based on the assessment detailed in this document the Department of Environment Regulation (DER) has decided to issue an amended Licence. DER considers that in reaching this decision, it has taken into account all relevant considerations and legal requirements and that the Licence and its conditions will ensure that an appropriate level of environmental protection is provided.

Decision Document prepared by: Chris Slavin
Licensing Officer

Decision Document authorised by: Alan Kietzmann
Delegated Officer



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1 Purpose of this Document

This decision document explains how DER has assessed and determined the application and provides a record of DER's decision-making process and how relevant factors have been taken into account. Stakeholders should note that this document is limited to DER's assessment and decision making under Part V of the *Environmental Protection Act 1986*. Other approvals may be required for the proposal, and it is the proponent's responsibility to ensure they have all relevant approvals for their Premises.



2 Administrative summary

Administrative details		
Application type	Works Approval <input type="checkbox"/> New Licence <input type="checkbox"/> Licence amendment <input checked="" type="checkbox"/> Works Approval amendment <input type="checkbox"/>	
Activities that cause the premises to become prescribed premises	Category number(s)	Assessed design capacity
	57	No more than 200 tyres
	62	120,000 tonnes per annual period
Application verified	Date: N/A	
Application fee paid	Date: N/A	
Works Approval has been complied with	Yes <input type="checkbox"/>	No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
Compliance Certificate received	Yes <input type="checkbox"/>	No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
Commercial-in-confidence claim	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Commercial-in-confidence claim outcome	N/A	
Is the proposal a Major Resource Project?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Was the proposal referred to the Environmental Protection Authority (EPA) under Part IV of the <i>Environmental Protection Act 1986</i> ?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Is the proposal subject to Ministerial Conditions?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Does the proposal involve a discharge of waste into a designated area (as defined in section 57 of the <i>Environmental Protection Act 1986</i>)?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
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, eg Site is subject to SO ₂ requirements of Kwinana EPP.		



3 Executive summary of proposal and assessment

Perthwaste Pty Ltd (Perthwaste) owns the Perth Operations Centre (POC), which has been assessed as "prescribed premises" category numbers 62 and 57, under Schedule 1 of the *Environmental Protection Regulations 1987*. Perthwaste manages waste contracts across many different Local Government Authorities in Western Australia in addition to industrial and commercial clients.

The POC is located at 65 Howson Way, Bibra Lake and operates under Licence L8798/2013/1. It is located in the industrial precinct, with a plan area of 2.4ha. Wastes permitted for acceptance include:

- municipal, commercial and industrial kerbside garbage collection waste including putrescibles;
- green waste;
- asbestos that has been correctly wrapped and marked;
- used tyres (not actively accepted but up to 200 can be segregated from the waste streams and stored); and
- recyclables including cardboard, paper, plastics, steel cans, aluminium cans and glass.

The site has a separation of approximately 1.1 km to the nearest surface water body which is South Lake to the northeast. The nearest sensitive receptors are residences 1.05 km to the northwest and 0.95 km to the southeast. Perthwaste state the groundwater below the area typically fluctuates between 6.5 m and 8.5 m AHD. The existing separation distance meets the EPA's guidance for separation distances between and industrial and sensitive land uses of 200m (which is also consistent with the draft DER Separation Distances guideline) for solid waste depots (category 62) while the 200m separation is also recommended for used tyre storage facilities (category 57) will also be met.

Licence L8798/2013/1 was first issued in November 2013 with an approved capacity of 85,000 for Category 62 waste. Perthwaste anticipate that within the next 12 months the total throughput of waste will be in the order of 104,000 tonnes per year due to increase in demand for waste collection services in the metropolitan area.

The proponent submitted a P4 amendment on 3 November 2015 to increase the premises authorised throughput limit. An amended P4 form was submitted on 3 December 2015 to amend the operating hours of the facility prior to finalising the November amendment. The current and proposed premises operating hours are:

DAY	CURRENT OPERATION HOURS	PROPOSED OPERATION HOURS
Monday to Friday	7am to 5pm	7am to 6pm
Monday to Friday ➤ Limited Operation where Collection Trucks deliver only to POC	5am to 7am	3am to 7am
Saturday	7am to 4pm	No Change Required
Sunday	5am to 4pm	No Change Required



This Licence amendment is for the increase in waste accepted under Category 62 from 85,000 tonnes per year to 120,000 tonnes per year as requested by Perthwaste in order to lawfully accept the anticipated increase in waste volume, and to amend the operating hours of the facility. This partial Decision Document only assesses the increased throughput and the increased operating hours; the assessment has determined that neither the increase in throughput nor the variation in operating hours will significantly increase risk of emissions and impacts. Changes in line with the latest licence formatting have also been undertaken, which includes updated address, removal of redundant conditions and sections.

4 Decision table

All applications are assessed in line with the *Environmental Protection Act 1986*, the *Environmental Protection Regulations 1987* and DER's Operational Procedure on Assessing Emissions and Discharges from Prescribed Premises. Where other references have been used in making the decision they are detailed in the decision document.

DECISION TABLE			Reference documents
Works Approval / Licence section	Condition number W = Works Approval L = Licence	Justification (including risk description & decision methodology where relevant)	
General conditions	L1.2.1	<p><u>Emission Description</u> <i>Emission:</i> Stormwater potentially contaminated with hydrocarbons or putrescible waste from handling and storage operations. <i>Impact:</i> Contamination of surrounding land and surface water drainage systems. Potential impacts on ecology of surface water and land from the addition of nutrients and heavy metals. The site has a separation of approximately 1.1 km to the nearest surface water body which is South Lake to the northeast. The nearest sensitive receptors are residences 1.05 km to the northwest and 0.95 km to the southeast. Perthwaste state the groundwater below the area typically fluctuates between 6.5 m and 8.5 m AHD. <i>Controls:</i> Perthwaste direct leachate and wash water from the tipping floor of the POC to a collection sump, which is then transported offsite for disposal. The tipping floor within the POC consists of impervious concrete. An onsite stormwater management scheme directs stormwater runoff from the remainder of the site.</p> <p><u>Risk Assessment</u> <i>Consequence:</i> Minor <i>Likelihood:</i> Unlikely <i>Risk Rating:</i> Moderate</p> <p><u>Regulatory Controls</u> Condition 1.2.1 has been added to the Licence to ensure that stormwater that may be potentially contaminated from waste handling activities is not discharged from the premises.</p>	<p>General provisions of the <i>Environmental Protection Act 1986</i></p> <p><i>Environmental Protection (Unauthorised Discharges) Regulations 2004</i></p> <p>Application supporting documentation</p>



DECISION TABLE

Works Approval / Licence section	Condition number W = Works Approval L = Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
		<p><u>Residual Risk</u> <i>Consequence:</i> Minor <i>Likelihood:</i> Rare <i>Risk Rating:</i> Low</p>	
Emissions general	L2.1.1	Licence condition 2.1.1 has been removed from the Licence as there are no descriptive or numerical limits or targets in the Emissions section of the Licence	N/A
Fugitive emissions	L2.6.1 & L2.6.2	<p><u>Emission description</u> <i>Emission:</i> Fugitive emissions in the form of dust generated from waste handling activities at the premises. No fugitive emissions are expected to be generated from the premises either the current or proposed throughput. <i>Impact:</i> Nuisance dust generated causing reduced local air quality <i>Controls:</i> All waste handling activities and vehicle movements are conducted on hardstand areas (either asphalt or concrete). Waste received is tipped in an enclosed shed.</p> <p><u>Risk Assessment</u> <i>Consequence:</i> Insignificant <i>Likelihood:</i> Rare <i>Risk Rating:</i> Low</p> <p><u>Regulatory Controls</u> The previous licence contained conditions for dust management. This assessment has identified that risk is sufficiently low to enable fugitive emissions of dust to be sufficiently regulated under section 49 of the <i>Environmental Protection Act 1986</i>.</p> <p><u>Residual Risk</u> <i>Consequence:</i> Insignificant <i>Likelihood:</i> Rare <i>Risk Rating:</i> Low</p>	<i>Environmental Protection Act 1986.S49</i>



DECISION TABLE

Works Approval / Licence section	Condition number W = Works Approval L = Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
Odour	L2.7.1	<p><u>Emission description</u> <i>Emission:</i> Odour generated from handling and storing of putrescible waste. It is not expected that significantly more odour will be generated as a result of this increase (given they are currently operating at a throughput which is in line with the amendment request without complaints; at current rates, the annual authorised throughput will be exceeded). <i>Impact:</i> Offensive odours emitted offsite. Nuisance for person's offsite. The nearest sensitive receptors are residences 1.05 km to the northwest and 0.95 km to the southeast. <i>Controls:</i> Perthwaste have designed the POC so that tipping activities are confined to the enclosed waste shed. The transfer road train entry and exit is closed during unloading periods. If particular waste loads are odorous the load is taken offsite into the next transfer trailer, which is usually within two hours of arrival to the premises. When an odorous load is received the origin and type is recorded for future reference.</p> <p><u>Risk Assessment</u> <i>Consequence:</i> Minor <i>Likelihood:</i> Rare <i>Risk Rating:</i> Low</p> <p><u>Regulatory Controls</u> The previous licence contained conditions for odour management. This assessment has identified that risk is sufficiently low to enable odour emissions can be sufficiently regulated under section 49 of the <i>Environmental Protection Act 1986</i>. In accordance with DER's licensing process, no specified conditions for odour have been included on this Licence.</p> <p><u>Residual Risk</u> <i>Consequence:</i> Minor <i>Likelihood:</i> Rare</p>	<p>General provisions of the <i>Environmental Protection Act 1986</i></p> <p><i>Environmental Protection Act 1986</i>.S49</p> <p>Application supporting documentation</p>



DECISION TABLE

Works Approval / Licence section	Condition number W = Works Approval L = Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
Noise	L1.3.9	<p><i>Risk Rating: Low</i></p> <p><u>Emission description</u> Emission: Noise generated from increase traffic volume at the premises. The existing operations projected annual throughput will exceed the licensed throughput approval without any complaints. The increased throughput will authorise the current throughput levels per annual period. No additional equipment will be required as part of this increase. The extended operating hours (one hour at the end of the working day) allow for longer operational periods while accepting waste at the site from 3am as opposed to existing 5am will increase traffic noise in the area during these periods. Adjoining premises (Toll Logistics and WA Premix Concrete) also operate similar hours. Impact: Nuisance noise impact on persons not on the premises. The nearest sensitive receptors are residences 1.05 km to the northwest and 0.95 km to the southeast. The existing operation has not been subject to any reported noise complaints. Controls: Perthwaste confine loading of waste transfer vehicles to within the enclosed shed. Appropriate maintenance of all plant machinery and equipment is conducted on a regular basis. The premises is located with land zoned as industrial. The EPA's guidance note No.3 'Separation Distances between Industrial and Sensitive Land Uses' outline a 200m separation distance for waste transfer facilities.</p> <p><u>Risk Assessment</u> Consequence: Insignificant Likelihood: Unlikely Risk Rating: Low</p> <p><u>Regulatory Controls</u> Licence condition 1.3.9 has been removed as noise emissions is determined to be sufficiently low risk to sensitive receptors. Perthwaste is required to comply with the <i>Environmental Protection (Noise) Regulations 1997</i>, which is considered adequate for managing the risk.</p>	General provisions of the <i>Environmental Protection Act 1986</i> <i>Environmental Protection (Noise) Regulations 1997</i> Application supporting documentation



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Works Approval / Licence section	Condition number W = Works Approval L = Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
Improvements		<p><u>Residual Risk</u> Consequence: Insignificant Likelihood: Rare Risk Rating: Low</p> <p>The previous Licence contained an improvement condition for Perthwaste to submit to the CEO an Asbestos Management Plan (AMP) within 21 days of the Licence being issued, and comply with the AMP indefinitely. The AMP was submitted to the CEO within 21 days of issue. Licence condition 1.3.8 requires Perthwaste operate in accordance with the AMP. Previous Licence conditions 4.1.1 and 4.1.2 are now redundant and have been removed.</p> <p>The Licence was first issued on 5 December 2013 and is set to expire on 8 December 2018. DER has not reassessed Licence duration as part of this amendment.</p>	N/A
Licence Duration			N/A

5 Advertisement and consultation table

Date	Event	Comments received/Notes	How comments were taken into consideration
8/12/2015	Proponent sent a copy of draft instrument	Waiver form signed and returned on 8/12/2015 with no further comment.	Finalised the licence amendment.



6 Risk Assessment

Note: This matrix is taken from the DER Corporate Policy Statement No. 07 - Operational Risk Management

Table 1: Emissions Risk Matrix

Likelihood	Consequence				
	Insignificant	Minor	Moderate	Major	Severe
Almost Certain	Moderate	High	High	Extreme	Extreme
Likely	Moderate	Moderate	High	High	Extreme
Possible	Low	Moderate	Moderate	High	Extreme
Unlikely	Low	Moderate	Moderate	Moderate	High
Rare	Low	Low	Moderate	Moderate	High