



Decision Document

Environmental Protection Act 1986, Part V

Proponent: **Western Metropolitan Regional Council**

Licence: **L7303/1998/10**

Registered office: Wearne House
40 Marine Parade
COTTESLOE WA 6011

Premises address: JFR (Jim) McGeough Resource Recovery Facility
60 Lemnos Street
SHENTON PARK WA 6010
Being Part of Lot 11541 on Plan 189946

Issue date: Thursday, 10 October 2013

Commencement date: Saturday, 12 October 2013

Expiry date: Thursday, 11 October 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.

Decision Document prepared by: Lauren Fox
Licensing Officer

Decision Document authorised by: Rebecca Kelly
Manager Licensing



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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
	62	125,400 tonnes per year
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"/>	Referral decision No: Managed under Part V <input type="checkbox"/>
		Assessed under Part IV <input 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"/>	Ministerial statement No:
		EPA Report No:
Is the Premises within an Environmental Protection Policy (EPP) Area	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
		Department of Water consulted Yes <input type="checkbox"/> No <input type="checkbox"/>
Is the Premises subject to any EPP requirements?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>



3 Executive summary of proposal and assessment

The Western Metropolitan Regional Council (WMRC) is a regional local government entity working on behalf of five member Councils in Perth's western suburbs. They operate the JFR (Jim) McGeough Resource Recovery Facility (JFRRR) in Shenton Park which provides a waste transfer station for Councils, residents and commercial customers. The waste transfer station includes recycling services for cardboard, paper, scrap metal, batteries, printer cartridges, fluorescent lights, electronic waste, mobile phones and motor oil. The facility also provides a fee for service for the safe disposal of problematic wastes such as LPG gas bottles, asbestos and tyres.

WMRC developed a permanent Household Hazardous Waste (HHW) drop-off facility for residents at the JFRRR. Design of the facility was developed in consultation with, and approved by, the former Department of Environment and Conservation and the Department of Mines and Petroleum. The HHW storage facility was developed in line with the following documents:

- Guidelines for the design and operation of facilities for the acceptance and storage of household hazardous waste, Department of Environment and Conservation, 2009
- *Dangerous Goods Safety Act 2004* (WA), Department of Mines and Petroleum.

No community consultation directly relevant to the licence has been conducted. The WMRC holds bi-monthly Community Liaison Meetings to provide an open forum for information exchange and communication between the WMRC, residents and other stakeholders of the facility.

A second licensed premises (Category 61A & 67A facility managed by AnaeCo Limited, licence number L8242/2008/3) is also located within Lot 11541. DiCOM Facilities Pty Ltd (occupied by AnaeCo) lease a portion of the site from WMRC and operate in conjunction with the JFRRR in processing the organic component of municipal solid waste received at the site. Both licensed premises utilise one weighbridge located within the WMRC licensed premises. Waste destined for AnaeCo is sent directly to their premises for processing after passing through the weighbridge.

There have been no recorded emissions or discharges from the facility's solid waste management activities; however the potential for odour emissions has been identified at the tipping floor work area. These odours are primarily controlled by the storage of putrescibles in silos that are sealed and removed (when full) or at the end of daily operations.

Works approval W4999/2011/1 was issued on 22/09/2011 and included works for the reconfiguration of site roads, construction of a hardstand in the northern portion of the premises, installation of a walking floor system, and a compactor for waste. The works approval expired in September 2014 without the floor system and compactor having been completed. WMRC have decided to leave these works for a later date and will apply for a new works approval or licence amendment when ready to commence.

As waste is entering the JFRRR premises for weighing prior to being diverted to AnaeCo, it was recommended through previous correspondence between WMRC and DER that the occupier should apply for a licence amendment so that the licence addresses the total volume of putrescible wastes accepted through the JFRRR.

To ensure that the volume of waste entering the JFRRR is included in the licence, the occupier has submitted a licence amendment request to increase the annual volume of putrescible waste throughput from 55,000 tonnes to 115,000 tonnes per year with approximately 60,000 tonnes being diverted directly to AnaeCo each year. No additional infrastructure is required for this amendment as no additional waste is being processed at the premises (i.e. the additional 60,000 tonnes is brought into the WMRC premises for weighing purposes only). Given that the facility also receives 10,000 tonnes of green waste, 200 tonnes combined volume of special waste type 1 and hazardous waste and 200 tonnes of inert waste type and up to 100 tyres at the premises, the production capacity of the



premises (page 1 of the licence) has been increased to 125,400 tonnes per year, to address the total volume for all waste types accepted at the premises.

The occupier also requested that a small volume of waste (up to 20 tonne) be permitted to remain onsite in sealed silos if received on weekends. The licence currently requires all waste to be removed offsite within 24 hours.

The amendment application has also requested that conditions for premises operations (storage of putrescible waste) are amended to reflect current site operations where waste is stored outside on an unbunded area with runoff directed to soak wells. This amendment request has not been approved. Condition 1.3.1 was included on the licence to prevent potentially contaminated stormwater or leachate from entering the environment. DER has revised the requirements of this condition and has amended it so that the condition now only requires putrescible waste to be stored and sorted within a banded hardstand area, and removed the requirement for this area to be in an enclosed building. An improvement condition has been included on the licence to require the putrescible storage area to be upgraded with at least the construction of a bund so that it provides adequate containment of contaminated or potentially contaminated stormwater.

Additional minor amendments have also been undertaken to reflect the current licence format, such as the removal of section headings which did not contain any conditions. Only conditions related to general conditions, premises operation, improvements and information have been reassessed. All other emissions from the premises have not been reassessed as part of this amendment.

This draft licence was referred to the occupier on 7 May 2015 under the proposed amendment 21 day comment period. The occupier provided comment to DER on 5 August 2015. These comments have been discussed in the decision document and incorporated into the licence where appropriate.



4 Decision table

All applications are assessed in line with the *Environmental Protection Act 1986*, the *Environmental Protection Regulations 1987*, DEC's Policy Statement - Limits and targets for prescribed premises (2006), 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			
Works Approval / Licence section	Condition number W = Works Approval L = Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
General conditions	L1.1.5	<p>Condition 1.2.1 of the previous licence has been removed from the 'general conditions' section and placed in the 'interpretation' section of the licence and renumbered as 1.1.5.</p> <p>The Licensee has indicated in a previous licence application that hazardous wastes received at the premises are stored in designated areas that have been developed in line with 'Guidelines for the design and operation of facilities for the acceptance and storage of household hazardous waste' published Department of Environment and Conservation, 2009 and the <i>Dangerous Goods Safety Act 2004</i>. Condition 1.2.3 of the previous licence required all environmentally hazardous materials to be stored in accordance with the 'Storage and handling of dangerous goods - code of practice', published by the Department of Mines and Petroleum (DMP), Government of Western Australia. This condition has been removed from the licence. It is the Licensee's responsibility to ensure compliance with this DMP published code, if applicable.</p> <p>Condition 1.2.4 of the previous licence (now numbered as 1.2.3) has remained on the licence as with any industrial premises, there is a potential for spills of cleaning agents, fuels and other chemicals to occur.</p> <p>The remaining conditions in this 'general conditions' section have been renumbered to incorporate the removal of conditions 1.2.1 and 1.2.3 of the previous licence. This has been actioned in accordance with DER's current licensing process. No other changes have been made in this section.</p>	



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Premises operation	L1.3.1	<p>The occupier has requested that an additional 60,000 tonnes per year of putrescible waste be accepted through the premises before being diverted for use at the AnaeCo anaerobic waste treatment plant located immediately adjacent to the Premises.</p> <p>Table 1.3.1 in condition L1.3.1 has been amended to increase the quantity limit for putrescible waste from 55,000 tonnes to 115,000 tonnes per year and to specify that 60,000 tonnes per year of waste is diverted through to the AnaeCo facility, without being processed at the Premises.</p> <p>The occupier is permitted to accept household chemical waste at the premises. This was included under the specification for Special Waste Type 1 in Table 1.3.1 of the previous licence. When completing this amendment, it was identified that household chemical wastes are better defined under the category of 'Hazardous Waste' so an additional row for Hazardous Waste has been included onto the waste type in this table and the definition included in the 'interpretation' section of the licence.</p> <p>Table 1.3.2 of condition L1.3.3 has also been amended to include Hazardous Waste into the waste type column.</p> <p>Operation <u>Emission Description</u> <i>Emission:</i> Stormwater contaminated with leachate from waste processing operations. <i>Impact:</i> Contamination of surrounding land and water drainage systems. Potential impacts on ecology of soil quality and groundwater from the addition of nutrients.</p>	Application supporting documentation



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Premises operation continued		<p><i>Controls:</i> The occupier currently sorts bulk waste in a concrete area that is uncovered and unbunded with run-off directed into stormwater soak wells.</p> <p><u>Risk Assessment</u> <i>Consequence:</i> Moderate <i>Likelihood:</i> Possible <i>Risk Rating:</i> Moderate</p> <p><u>Regulatory Controls</u> Table 1.3.1 in condition 1.3.1 specifies that putrescible waste can 'only to be stored and sorted within an enclosed building provided with hardstanding and banded to prevent run-off'. The occupier has requested that this be amended to reflect current processing operations where some putrescible wastes are stored and sorted outside with runoff going to soak wells.</p> <p>Given that there is a risk of leachate and contaminated stormwater entering the soak wells and infiltrating directly to the environment, the putrescible waste processing and storage area will require a banded hardstand as a minimum for containment of leachate. This condition has been amended to remove the requirement for this area to be an enclosed building; however the requirement for bunding has remained to require that runoff is contained and does not enter the environment through the soak wells.</p> <p>Following the occupier's review of the previous draft licence conditions, DER has been informed that putrescible wastes are stored and sorted in various areas around the premises which include silo systems, compactors, bins, outside areas and inside the WMRC building. The occupier requested that the 'process limit' for putrescible waste in Table 1.3.1 be expanded to authorise putrescible wastes to be also be stored and sorted within an enclosed silo, bin or compactor, to address these various storage and sorting locations. Table 1.3.1 has been</p>	



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Premises operation continued		<p>amended to incorporate this request.</p> <p>An improvement condition (L3.1.1) has been included requiring the occupier to upgrade the site to meet the requirements of this amended condition to prevent the risk of leachate entering the environment.</p> <p><u>Residual Risk</u> <i>Consequence</i>: Moderate <i>Likelihood</i>: Unlikely <i>Risk Rating</i>: Moderate</p> <p>The occupier has also requested that the putrescible waste process limit for table 1.3.2 is amended to permit small volumes of waste to be stored in sealed silos over the weekend rather than being required to remove half-filled silos from the premises to comply with the current requirement to remove waste within 24 hours. This section has been amended in Table 1.3.2 to permit up to 20 tonnes of waste to be stored over the weekend with all other waste being removed within 24 hours, as requested under the amendment application.</p>	
Emissions general	NA	<p>Condition 2.1.1 of the previous licence has been removed. As per DER's licensing policy, conditions 2.6.1, 2.6.2 and 2.7.1 have been removed from the licence. As there are no emissions under this section that require regulation through the licence, condition 2.1.1 is no longer applicable.</p> <p>All headings in section 2 of this licence have been removed as there are no conditions in this section.</p>	N/A
Fugitive emissions	N/A	In accordance with DER's licensing process, conditions 2.6.1 and 2.6.2 of the previous licence have been removed. Fugitive emissions of dust can be sufficiently regulated under section 49 of the <i>Environmental Protection Act 1986</i> .	<i>Environmental Protection Act 1986</i>
Odour	N/A	In accordance with DER's licensing process, condition 2.7.1 of the previous	<i>Environmental</i>



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		licence has been removed. Odour emissions can be sufficiently regulated under section 49 of the <i>Environmental Protection Act 1986</i> .	<i>Protection Act 1986</i>
General monitoring	L2.1.1 and L2.1.2	<p>Conditions 3.1.1 and 3.1.2 of the previous licence have been renumbered as condition 2.1.1 and 2.1.2 to incorporate the removal of the emissions section (previously section 2) of this licence. These conditions set out requirements for general monitoring such as maintaining monitoring equipment to manufacturer's specifications, and notifying the CEO when discrepancies or issues arise with calibration of monitoring equipment. These conditions are relevant to the monitoring of inputs and outputs as specified in condition 2.2.1 and assist in increasing the reliability and accuracy of monitoring results.</p> <p>Headings that related to sections that contained no conditions (i.e. former headings 3.2 - 3.5 and 3.7 - 3.9) have been removed from the licence in accordance with DER's current licensing process.</p>	
Monitoring of inputs and outputs	L2.2.1	<p>Condition L3.6.1 and corresponding table 3.6.1 of the previous licence have been re-numbered to condition 2.2.1 and table 2.2.1 to incorporate the removal of the headings that did not contain any conditions. This table has been amended to include Hazardous Waste into the waste input parameter. This condition allows DER to regulate the volume of wastes authorised for acceptance under condition 1.3.1.</p> <p>Following the 21 day package sent to the occupier, a new request has been sought to increase the estimated figure of 0.5 tonne to 1 tonne, in the 'units' heading, to better reflect how current loads are being estimated. This has been amended in the table to reflect current operating practices and does not impact on the total volumes of waste entering the premises.</p>	N/A
Improvements	L3.1.1	IR1 in condition 3.1.1 has been included on the licence requiring the occupier to	



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		<p>undertake a Site Management Report which includes, as a minimum, the construction of a bund around the putrescible waste processing and storage area to prevent the risk of contaminated runoff entering the environment as discussed under Premises Operations. Following the occupier's review of the previous draft licence, the occupier has requested that the previous submission date of 1/07/2015, be extended to allow sufficient time to prepare the report and to have the report reviewed by Council. The occupier requested that a period of 6 months be given for the submission of this report. DER has acknowledged the occupier's request and has amended the due date to be within 6 months of the licence amendment being issued.</p> <p>IR2 and IR3 have been included on the licence as a requirement for the occupier to develop an Asbestos Management Plan (AMP), submit it to DER and to then implement the submitted AMP. This is a standard requirement for all premises which accept mixed waste streams including construction and demolition material. This premises is authorised to accept asbestos at the premises so the AMP is required to demonstrate how asbestos is managed at the site to reduce the risk of asbestos fines being released. Following the occupier's review of the previous draft licence, the occupier has requested that the previous submission date of 1/07/2015 be amended to allow time for the AMP to be developed and taken to Council for approval (which occurs in October at the earliest). The timeframe for submission of the AMP has been changed to three months after the licence amendment has been issued.</p>	
Information	L4.1.4 and L4.3.1	The previous licence included the longer option of condition 5.1.4 which required a significant amount of information to be provided in the complaints management system. This version of the condition is applicable for use in contentious premises. This premises is not contentious in nature and does not have a high number of complainants. The shorter version of this condition has been included on this licence and is now numbered as condition 4.1.4 to reflect the removal of section headings.	<i>Environmental Protection Act 1986</i>
Information continued			



DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L= Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
		<p>Table 4.3.1 of condition 4.3.1 has been amended to remove the requirement to notify the CEO in the event of any failure of malfunction of any pollution control equipment or if any environmental incident has caused, or is causing, pollution. This requirement is sufficiently regulated under section 72 of the <i>Environmental Protection Act 1986</i>.</p> <p>Other than the re-numbering of the conditions, no other changes to this section have been made.</p>	
Licence Duration	N/A	Licence duration has not been reassessed as part of this amendment.	



5 Advertisement and consultation table

Date	Event	Comments received/Notes	How comments were taken into consideration
07/05/2015	Proponent sent a copy of draft instrument during initial 21 day comment period	Comments received on 5/08/2015 addressing various components of the draft documents. These requests and changes (where applicable) have been discussed throughout this decision document.	Updated where applicable as detailed in this decision document.
10/09/2015	Proponent sent a copy of draft instrument during new 21 day comment period	No comments received	N/A



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