



Works Approval

Environmental Protection Act 1986, Part V

Works Approval Holder: Shire of Dandaragan

Works Approval Number: W5924/2015/1

Registered office: 69 Bashford Street
 JURIEN BAY WA 6516

Premises address: Badgingarra Waste Facility
 Northwest Road
 BADGINGARRA WA 6521
 Being Lot 211 on Plan 240106 as depicted in Schedule 1.

Issue date: Thursday, 5 May 2016

Commencement date: Monday, 9 May 2016

Expiry date: Saturday, 8 May 2021

The following category/s from the *Environmental Protection Regulations 1987* cause this Premises to be a prescribed premises for the purposes of the *Environmental Protection Act 1986*:

Category number	Category description	Category production or design capacity	Approved premises production or design capacity
64	Class II putrescible landfill site: premises on which waste (as determined by reference to the waste type set out in the document entitled "Landfill Waste Classification and Waste Definitions 1996" published by the Chief Executive Officer and as amended from time to time) is accepted for burial.	20 tonnes or more per year	30,000 tonnes per annual period
62	Solid waste depot: premises on which waste is sorted, or stored, pending final disposal or re-use.	500 tonnes or more per year	5,500 tonnes per annual period

Conditions

This Works Approval is subject to the conditions set out in the attached pages.

Date signed: 5 May 2016

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Steve Checker
MANAGER LICENSING (WASTE INDUSTRIES)
 Officer delegated under section 20
 of the *Environmental Protection Act 1986*



Works Approval Conditions

1 General

1.1 Interpretation

1.1.1 In the Works Approval, definitions from the *Environmental Protection Act 1986* apply unless the contrary intention appears.

1.1.2 In the Works Approval, unless the contrary intention appears:

'Act' means the *Environmental Protection Act 1986*;

'CEO' means Chief Executive Officer of the Department of Environment Regulation;

'CEO' for the purpose of correspondence means;

Chief Executive Officer
Department Administering the *Environmental Protection Act 1986*
Locked Bag 33
CLOISTERS SQUARE WA 6850
Email: info@der.wa.gov.au;

'low permeability' means hydraulic conductivity of $\leq 1 \times 10^{-9}$ metres per second or equivalent;

'NATA' means the National Association of Testing Authorities, Australia;

'NATA accredited' means in relation to the analysis of a sample that the laboratory is NATA accredited for the specified analysis at the time of the analysis;

'Premises' means the area defined in the Premises Map in Schedule 1 and listed as the Premises address on page 1 of the Works Approval;

'Schedule 1' means Schedule 1 of this Works Approval unless otherwise stated;

'Works Approval' means this Works Approval numbered W5924/2015/1 and issued under the *Act*; and

'Works Approval Holder' means the person or organisation named as the Works Approval Holder on page 1 of the Works Approval.

1.1.3 Any reference to an Australian or other standard in the Works Approval means the relevant parts of the standard in force from time to time during the term of this Works Approval.

1.1.4 Any reference to a guideline or code of practice in the Works Approval means the current version of the guideline or code of practice in force from time to time, and shall include any amendments or replacements to that guidelines or code of practice made during the term of this Works Approval.

1.2 General conditions

1.2.1 The Works Approval Holder must ensure that the Works specified in Column 1 of Table 1.2.1 meet or exceed the specifications in Column 2 of Table 1.2.1 for the infrastructure in each row of Table 1.2.1.



- 1.2.2 The Works Approval Holder must not depart from the specifications for the infrastructure in each row of Table 1.2.1 except:
- (a) where such departure is minor in nature and does not materially change or affect the infrastructure; or
 - (b) where such departure improves the functionality of the infrastructure and does not increase risks to public health, public amenity or the environment;
- and in accordance with all other Conditions in this Works Approval.

Table 1.2.1: Construction specifications	
Column 1	Column 2
Infrastructure	Specifications (design and construction)
1) All	(a) Stormwater runoff must not be able to enter any part of the landfill; (b) Landfill is to be fenced (2.1 m security fence) around the entire boundary of the premises with lockable gate; (c) Non-inert waste receipt or storage areas at the premises are to be bunded and constructed of concrete or other low permeability material.
2) Landfill cell construction (stages 1-4)	(a) Construction of four cells (in four stages over five years); (b) Cells to have a gradient of 1:60; (c) Lined with a low permeability, 2 mm HDPE liner; (d) Installation of a leachate collection system for each cell, for discharge to a 'leachate collection pond' placed over 'cell 1'; (e) Minimum 35 m separation distance maintained between the premises boundary and the edge of each constructed cell.
3) Monitoring bores	(a) Construction of one groundwater monitoring bore up-gradient and one down gradient of groundwater directional flow for the purposes of monitoring groundwater; (b) Installation of a shallow groundwater bore, north of the existing landfill to determine if groundwater is present. (c) Installation of a second shallow groundwater bore east of the existing premises in the event that groundwater is detected in the first shallow bore, north of the premises.
4) Leachate collection pond	Constructed only following closure of cell 1: (a) Placed over cell 1; (b) Lined with an impermeable liner for the capture of leachates.
5) Production bore	(a) Construction of one production bore for dust management and firefighting purposes.
6) Buffer tank	(a) Installation of a 30,000 litre bore water tank with a 20,000 litre quick fill water cart with water canon for fire and dust management.
7) Waste Hydrocarbon storage tank	(a) Self bunded; (b) Above ground tank; (c) Receipt or discharge point/s to be placed above an impermeable surface for the capture of any spills.
8) Hazardous material storage area	(a) Constructed of concrete; (b) Bunded.
9) Hydrocarbon contaminated materials storage area	(a) Constructed of concrete; (b) Bunded.



1.2.3 The Works Approval Holder shall construct the works in accordance with the documentation detailed in Table 1.2.2:

Table 1.2.2: Construction Requirements¹		
Document	Parts	Date of Document
Email: Application for Works Approval for Badgingarra Waste Facility – Margetic Pty Ltd (including DER Application form) (Document Id 60008).	All, including appendices	13 October 2015
Email: RE: Margetic Pty Ltd Application for Works Approval for Badgingarra Waste Facility (Request for further information) to Gemma Richardson, Shire of Dandaragan.	All	23 October 2015
Email: Category 62 – Badgingarra Works Approval Application.	All	30 October 2015

Note 1: Where the details and commitments of the documents listed in condition 1.2.1 are inconsistent with any other condition of this works approval, the conditions of this works approval shall prevail.

1.2.4 The Works Approval Holder must not dispose of wastes into the new landfill cell construction area until compliance with conditions 3.1.1 and 3.1.2 has been achieved.

2 Monitoring

2.1.1 The Works Approval Holder shall install groundwater bores and initiate monitoring in accordance with ‘Section 5 – Monitoring’ of the Works Approval application, pg. 3, as submitted to DER.

3 Information

3.1 Reporting

3.1.1 The Works Approval Holder shall submit a compliance document to the CEO, following the construction of each stage of the works (stages 1-4) and prior to operation of the same.

3.1.2 The compliance document shall:

- (a) certify that the works were constructed in accordance with the conditions of the works approval;
- (b) confirm installation of groundwater monitoring bores as defined within condition 2.1.1 of the Works Approval;
- (c) include engineer certification confirming that the construction of all cells (including liner integrity checks, substrate stability) and the leachate collection pond is compliant with the Works Approval application and the construction specifications outlined table 1.2.1 of the Works Approval¹;
- (d) be signed by a person authorised to represent the Works Approval Holder and contain the printed name and position of that person within the company; and
- (e) include a rehabilitation plan to be implemented at the closure of the Landfill (as defined within the Works Approval application, pg. 2) on, or prior to, the completion of stage 2 of the works.

Note 1: Where a specification in the Works Approval application differs from a specification outlined in this Works Approval, the latter shall prevail.

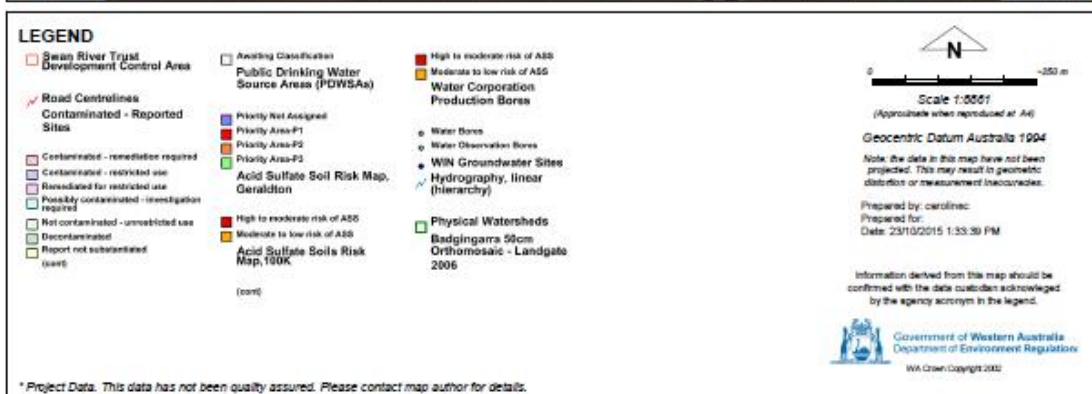
3.1.3 The Works Approval Holder shall provide the CEO with a list of departures which are certified as complying with Condition 1.2.2 at the same time and from the same professional as the certifications submitted in accordance with Conditions 3.1.1 and 3.1.2.



Schedule 1: Maps

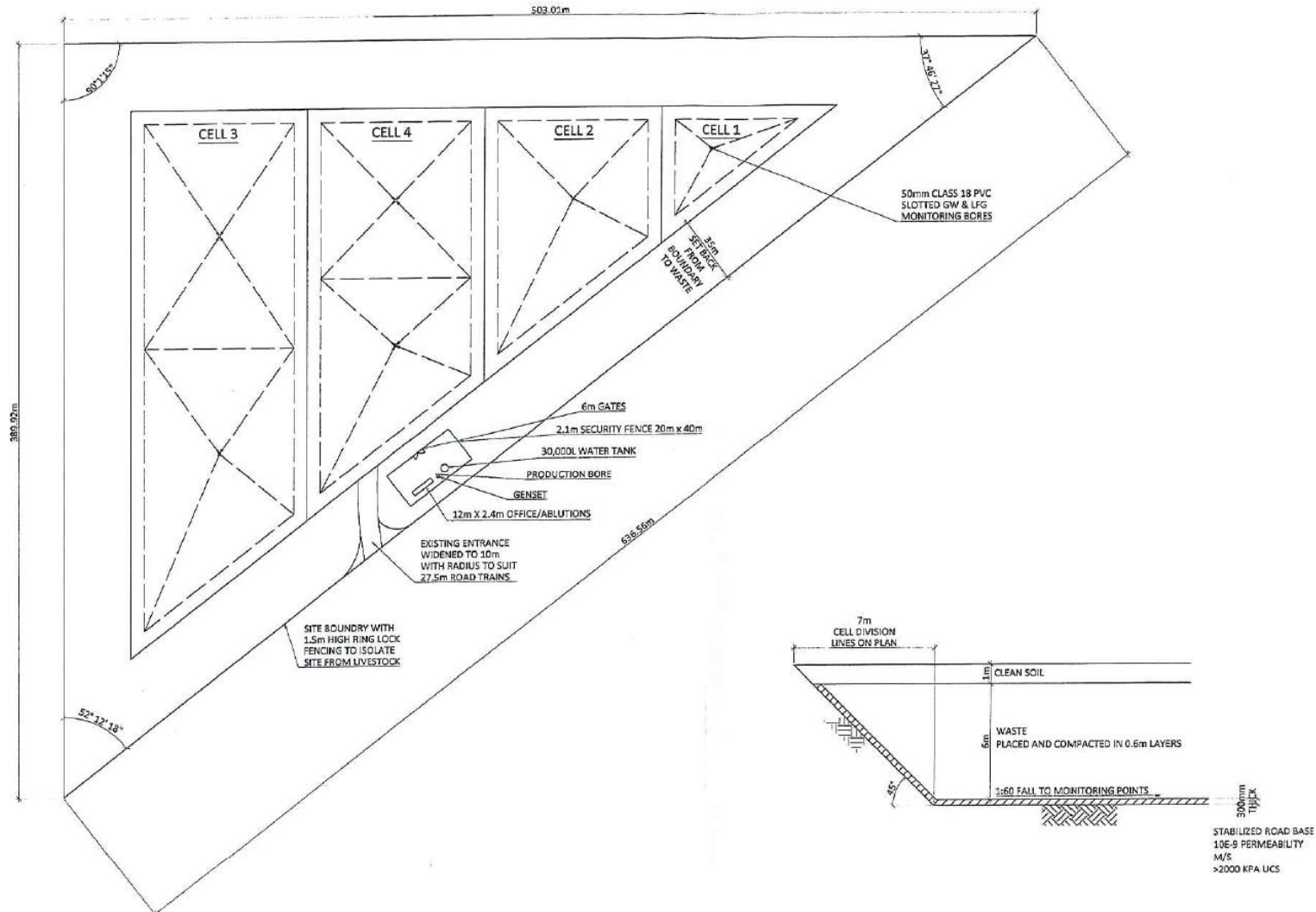
Premises map

The Premises is shown in the maps below. The pink line depicts the Premises boundary.





Map of cell construction and layout





Decision Document

Environmental Protection Act 1986, Part V

Proponent: Shire of Dandaragan

Works Approval: W5924/2015/1

Registered office: 69 Bashford Street
JURIEN BAY WA 6516

Premises address: Badgingarra Waste Facility
Northwest Road
BADGINGARRA WA 6521
Being Lot 211 on Plan 240106

Issue date: Thursday, 5 May 2016

Commencement date: Monday, 9 May 2016

Expiry date: Saturday, 8 May 2021

Decision

Based on the assessment detailed in this document the Department of Environment Regulation (DER), has decided to issue a works approval. DER considers that in reaching this decision, it has taken into account all relevant considerations.

Decision Document prepared by: Caroline Conway-Physick
Licensing Officer

Decision Document authorised by: Steve Checker
Delegated Officer



Contents

Decision Document	1
Contents	2
1 Purpose of this Document	2
2 Administrative summary	3
3 Executive summary of proposal and assessment	4
4 Decision table	5
5 Advertisement and consultation table	8
6 Risk Assessment	9

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 checked="" type="checkbox"/>	
	New Licence <input type="checkbox"/>	
	Licence amendment <input type="checkbox"/>	
	Works Approval amendment <input type="checkbox"/>	
Activities that cause the premises to become prescribed premises	Category number(s)	Assessed design capacity
	Category 64 – Class II Putrescible landfill.	30,000 tonnes per annual period.
	Category 62 – Solid waste depot	5,500 tonnes per annual period
Application verified	Date: 22/10/2015 (application submitted on 13/10/2015)	
Application fee paid	Date: 6/11/2015	
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, e.g. Site is subject to SO ₂ requirements of Kwinana EPP.		



3 Executive summary of proposal and assessment

The Shire of Dandaragan has applied for a works approval for a Category 64 – Class II putrescible landfill and Category 62 – solid waste depot. The Landfill is to be located at Lot 211 on Plan 240106. The premises is located at the current Badgingarra Waste Management Facility which is a registered premises R1710/2004/1 (Category 89), Northwest Road, Badgingarra, WA, 6521. The premises is to be managed by Margetic Pty Ltd.

The landfill is approximately 5 km south-east of the town of Badgingarra which has an approximate population of 350, and is 200 km north of Perth. The new landfill is to accept for burial inert materials and cardboard however the premises will receive other waste types for transfer to other licenced landfills for final disposal or reuse offsite. Wastes will be received from Perth and be weighed in Perth prior to delivery to the premises. Levy fees are to be submitted to the Shire of Dandaragan.

The new premises will consist of four lined cells with a total capacity of 50,000 tonnes per annual period. Each cell is to be lined with a 2 mm HDPE liner. The four cells will be constructed over a five year period, in four stages.

The cells are to have a gradient of 1:60 to allow for leachate collection and sampling, with a depth of approximately 6 m with a final cover of 1m clean soil. Waste will be placed within each cell and compacted in 0.6 m layers. A leachate collection pond will be located on top of the completed cell 1, and lined with a 'poly liner' that has a guaranteed durability of 15 years. The expected operation of the premises is approximately 6.5 years (at a rate of 100 t/day).

The premises is isolated, with the closest sensitive receptor being the rural residential area approximately 578 m North West of the landfill and is surrounded to the north, east and south by rural zoned area.

Depth to groundwater was initially identified by the proponent as approximately 145 m below ground level (mBGL). A desktop assessment of a groundwater bore approximately 167 m north east of the premises identified static water level at 3.6 mBGL, with TDS of 98 mg/L (WIN Groundwater bore site Id 20033003). Consultation with Department of Water has resulted in additional recommendations in relation to further assessment of depth to groundwater across the premises and the proposal to line the new cells.

The seasonal 'Hill River' is located approximately 203 m north and 133 m east of the landfill. The closest residential sensitive receptor is approximately one kilometre east of the premises.

The primary emissions expected during construction will be fugitive emissions (dust) with no discharges expected from the operation of the premises however monitoring of potential leachate and ambient groundwater will be carried out at the premises by the proponent.

The proponent is required to apply for a licence to operate the landfill on completion and submission of the compliance reports, in accordance with the conditions of the works approval.



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			
Works Approval / Licence section	Condition number W = Works Approval L = Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
Interpretation	W1.1.1 – W1.1.4 L	<p>Construction Conditions 1.1.1 – 1.1.4 require that terminology used within the Works Approval is referenced to the appropriate definitions where applicable and that any reference to a standard or guideline is to the most current version of that standard or guideline.</p> <p>Operation Operation is subject to the general provisions of the <i>Environmental Protection Act 1986</i>. Categories 64 and 62 activities fall under Schedule 1 Part 1 of the <i>Environmental Protection Regulation 1987</i> and may be subject to Licence. The premises is currently a registered prescribed premises R1710/2004/1.</p> <p>Operation of the premises prior to obtaining a Licence does not give the proponent a defence under the requirements of the <i>Environmental Protection Act, 1986</i> should the Shire operate beyond the scope of the registration.</p> <p>An application for a new Licence has not been received from the Shire of Dandaragan.</p>	<p>General provisions of the <i>Environmental Protection Act, 1986</i>.</p> <p><i>Environmental Protection Regulations, 1987</i>.</p>
General conditions	W1.2.1-W1.2.4	<p>Operation <u>Emission Description</u> <i>Emission:</i> Fugitive emissions (dust) and windblown waste from landfilling operations. <i>Impact:</i> Nuisance dust emissions, interference with the health and welfare of surrounding communities. Contamination of surrounding land. Potential impacts on the surrounding ecology. <i>Controls:</i> The proponent will fence the entire property to contain any windblown waste</p>	<p>Application supporting documentation.</p> <p>General provisions of the <i>Environmental</i></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>and ensure that the tipping area will be no higher than 2 m. Waste will be covered weekly with dense inert and incombustible material. A production bore will be drilled to ensure adequate supplies of water with 30,000 L water storage tank, and a water cart and sprinklers which will be able to assist in keeping areas damp should fugitive dust emissions pose a problem. Effective waste type segregation (designated waste type storage areas) and disposal will assist further with diminishing potential odour emissions.</p> <p><u>Risk Assessment</u> <i>Consequence:</i> Insignificant <i>Likelihood:</i> Possible <i>Risk Rating:</i> Low</p> <p><u>Regulatory Controls</u> Fugitive dust conditions will not be included in the works approval or licence in accordance with Departmental reform as published on DER's website under "Administrative changes implemented within the Department of Environment Regulation" www.der.wa.gov.au. Dust emissions can 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> Unlikely <i>Risk Rating:</i> Low</p> <p>Condition 1.2.1 defines the requirements for the construction of the new lined four cell waste facility, as per the submitted documentation.</p> <p>Condition 1.2.2 defines the construction specifications for each aspect to be constructed under the works approval.</p>	<p><i>Protection Act, 1986.</i></p> <p><i>Environmental Protection (Unauthorised Discharges) Regulations 2004.</i></p> <p><i>Environmental Protection (Controlled Waste) Regulations 2004.</i></p>



DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L = Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
	L	<p>Condition 1.2.3 defines the supporting documentation and correspondence used to inform the works approval risk assessment.</p> <p>Condition 1.2.4 requires that the works approval holder ensures that waste types and volumes received to the premises under registration R1710/2004 are disposed of outside of the area being constructed in accordance with this works approval. Use of the newly constructed area can only be undertaken on completion and review of the compliance reports for each construction stage, and on issue of the new Licence instrument for the premises.</p> <p>Dust emissions from soil disturbance from the construction of new cells or ongoing operations causes intermittent, low intensity, localised dust dispersal around the premises. The premises is isolated and has no sensitive receptors adjacent to or in close proximity to the landfill. No complaints of dust have been received for the premises operation historically.</p> <p>Operation <u>Emission Description</u> <i>Emission:</i> Leachate from proposed landfilling operations. <i>Impact:</i> Contamination of surrounding land and groundwater. Potential impacts on the surrounding groundwater ecology and quality. <i>Controls:</i> The proponent will install a 2 mm HDPE liner on all four cells and will construct a leachate collection system in each with a containment pond constructed over the completed 'cell one'. Leachate volumes are expected to be insignificant considering the type of waste being disposed within the lined cells.</p> <p>The application was referred to DoW for review due to the sensitivity and proximity of the Hill River system to the proposed landfill. Recommendations from DoW determined the use of:</p> <ul style="list-style-type: none"> • an HDPE liner for the new landfill cells; • consideration of the <i>DoW Water Quality Protection Note 30 Groundwater</i> 	



DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L = Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
		<p><i>monitoring bores</i> for the installation of additional groundwater monitoring bores; and</p> <ul style="list-style-type: none"> ongoing consultation with DoW staff. DoW also recommended that the first bore drilled is to be “located to the North of the existing tip, and if groundwater is detected, it is recommended to drill a second bore on the eastern boundary.” <p><u>Risk Assessment</u> <i>Consequence:</i> Moderate <i>Likelihood:</i> Possible <i>Risk Rating:</i> Moderate</p> <p><u>Regulatory Controls</u> Condition W1.2.2, Table 1.2.1 (Column 1, point 3) requires the installation and use of two ambient groundwater monitoring bores to assist in assessing any potential risk to the Hill River.</p> <p>Consideration of DoW recommendations will be included within Licence conditions for the monitoring of ambient groundwater, and as defined within the application supporting documentation, Section 5.</p> <p>Condition 2.1 requires the proponent to initiate monitoring of ambient groundwater during the construction phase (as defined within Section 5 – Monitoring of the application supporting documentation) as it is expected that the proponent will apply for a Licence for the premises to operate ‘cell one’ on completion and compliance of ‘stage 1’ of the works approval.</p> <p>Condition 3.1.2 (c) requires certification of the construction by a registered engineer for all cells to ensure cell construction, stability and liner integrity will ensure effective management of leachates within each cell.</p> <p>No emissions are expected to land, groundwater or surface water from the operation of</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>the premises.</p> <p><u>Residual Risk</u> <i>Consequence:</i> Moderate <i>Likelihood:</i> Unlikely <i>Risk Rating:</i> Moderate</p> <p><u>Emission Description</u> <i>Emission:</i> Toxic smoke from the accidental ignition of waste materials within the cells. <i>Impact:</i> Nuisance smoke emissions, interference with the health and welfare of surrounding communities. Contamination of localised air shed with toxic fumes from the burning of plastics, potential damage to cell liner integrity. <i>Controls:</i> The proponent will fence the entire property for security purposes and will operate a manned facility when open. Waste will be covered weekly with dense inert and incombustible material. A production bore will be drilled to ensure adequate supplies of water with 30,000 L water storage tank, and a water cart and sprinklers which will be able to assist in keeping areas damp should fugitive dust emissions pose a problem. Effective waste type segregation (designated waste type storage areas) and disposal will assist further with diminishing potential fire risk and improved management of accidental fires. A water truck and sprinklers will be available at the premises to manage any accidental fires that may occur.</p> <p><u>Risk Assessment</u> <i>Consequence:</i> Minor <i>Likelihood:</i> Possible <i>Risk Rating:</i> Moderate</p> <p><u>Regulatory Controls</u> Condition W1.2.1, Table 1.2.2 (Column 1, point 6) requires the management of potential fires, which the proponent has committed to constructing during the works approval phase, which will assist the effective management of fires during the</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>operation phase of the premises.</p> <p><u>Residual Risk</u> <i>Consequence:</i> Minor <i>Likelihood:</i> Unlikely <i>Risk Rating:</i> Moderate</p>	
Monitoring general	W2.1 L	<p>Construction and Operation Condition 2.1 relates to monitoring requirements for the purposes of monitoring groundwater as defined within the works approval application. Monitoring will initiated during the staged construction phase as the premises may apply for a Licence to operate on completion of 'cell 1' ('stage 1') once completed and a compliance report reviewed by DER.</p> <p>The production bore that is to be used at the premises will also be utilised for groundwater monitoring, with one additional bore construction required.</p> <p>Soils within the area are considered sandy soils with a monitoring bore approximately 167 m east of the landfill showing potable quality water (WIN Groundwater bore site Id 20033003, TDS 98 mg/L), at 3.6 m BGL. Depth to groundwater at the premises is currently not determined but varies considerably.</p> <p>Department of Water (DoW) advice proposed that additional assessment of risk to groundwater be undertaken by the proponent due to sensitivity of existing groundwater in the Hill River area, and with the proponent recommended to liaise directly with DoW. The proponent has been requested to drill a shallow groundwater bore north of the existing premises and in the event that groundwater is reached that an additional bore be drilled east of the existing premises.</p> <p>Monitoring parameters and frequencies for ambient groundwater monitoring will be included within the proposed Licence on completion of the works.</p>	<p>Application supporting documentation.</p> <p>General provisions of the <i>Environmental Protection Act, 1986.</i></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>Monitoring of inputs and outputs will be required within any proposed Licence for the premises.</p> <p>A risk assessment has been incorporated into the 'General conditions' section (above) of the works approval.</p>	
Information	W4.1	Construction Condition 4.1 requires the proponent to submit compliance documentation on completion of the construction of each phase ('1-4') for the premises. The four new cells will be constructed over five years (four stages). As each stage/ cell is constructed it will then be placed into operation, allowing each subsequent stage to be progressively constructed.	N/A
Works Approval Duration	N/A	<p>The Works Approval has been determined for a period of 5 years which supports the phased in approach of construction, with the final 'cell 4' expected for completion within 2019/ 2020.</p> <p>The Licence duration will be defined in accordance with DER guidance statement 'Licence duration, May 2015' and on application by the proponent.</p>	Application supporting documentation



5 Advertisement and consultation table

Date	Event	Comments received/Notes	How comments were taken into consideration
16/11/2016	Application advertised in West Australian (or other relevant newspaper)	Nil	N/A
23/10/2015	Application referred to interested parties listed	<p>Request for advice submitted to Department of Water (Natalie Lauritsen/ Kerry Wray) on 19/11/2016.</p> <p>Proponent to liaise directly with DoW for assessment of risk to groundwater with the potential amendment to the design of the landfill to be constructed with a HDPE liner, proposed by DoW.</p> <p>DoW has recommended location of groundwater monitoring bores, firstly one in the North and then if groundwater is detected an additional monitoring bore to be drilled to the east of the existing tip.</p>	Additional requirements for the inclusion of a 2 mm HDPE liner (as suggested by proponent) and groundwater monitoring bores at the premises will be required within the Works Approval and will inform conditions within any proposed Licence for the premises.
-	Consultation undertaken by the proponent	<p>Town Planning, Manager, Mr David Chidlow contacted by the Shire to confirm that "there are no plans current or proposed for any development at the site in the foreseeable future (ten to fifteen years). Surrounding land is currently zoned rural."</p> <p>Surrounding properties were consulted by the Shire in writing of the proposal and no written responses were received back. In addition, the Shire placed information on</p>	On application for a Licence for the premises, this information will be utilised in determining the appropriate duration of the Licence for the prescribed premises.



Date	Event	Comments received/Notes	How comments were taken into consideration
		the Council's webpage seeking comment with nil received, prior to the lodging of the application with DER.	
05/04/2016	Proponent sent a copy of draft instrument	Response received 28/04/2016, via email. Nil 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