



Licence

Environmental Protection Act 1986, Part V

Licensee: Shire of Gnowangerup

Licence: L8916/2015/1

Registered office: 28 Yougenup Road
 GNOWANGERUP WA 6335

Premises address: Gnowangerup liquid waste facility
 Airport Road
 GNOWANGERUP WA 6335
 Being part Lot 9319 on Plan 92335 (bound by the coordinates
 E594873.687, N6239921.617; E595054.122, N6239989.062;
 E595072.992, N6239941.669; and E594891.543, N6239873.845 MGA
 Zone 50) as depicted in Schedule 1.

Issue date: Thursday, 22 October 2015

Commencement date: Monday, 26 October 2015

Expiry date: Thursday, 25 October 2035

Prescribed premises category

Schedule 1 of the *Environmental Protection Regulations 1987*

Category number	Category description	Category production or design capacity	Approved Premises production or design capacity
61	Liquid waste facility: premises on which liquid waste produces on other premises (other than sewerage waste) is stored, reprocessed, treated or irrigated.	100 tonnes or more per year	300 tonnes per annual period

Conditions

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

Date signed: 22 October 2015

.....
Ruth Dowd
Senior Manager – Industry Regulation (Waste Industries)
 Officer delegated under section 20
 of the *Environmental Protection Act 1986*



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Introduction

This Introduction is not part of the Licence conditions.

DER's industry licensing role

The Department of Environment Regulation (DER) is a government department for the state of Western Australia in the portfolio of the Minister for Environment. DER's purpose is to advise on and implement strategies for a healthy environment for the benefit of all current and future Western Australians.

DER has responsibilities under Part V of the *Environmental Protection Act 1986* (the Act) for the licensing of prescribed premises. Through this process DER regulates to prevent, control and abate pollution and environmental harm to conserve and protect the environment. DER also monitors and audits compliance with works approvals and licence conditions, takes enforcement action as appropriate and develops and implements licensing and industry regulation policy.

Licence requirements

This Licence is issued under Part V of the Act. Conditions contained within the Licence relate to the prevention, reduction or control of emissions and discharges to the environment and to the monitoring and reporting of them.

Where other statutory instruments impose obligations on the Premises/Licensee the intention is not to replicate them in the licence conditions. You should therefore ensure that you are aware of all your statutory obligations under the Act and any other statutory instrument. Legislation can be accessed through the State Law Publisher website using the following link:

<http://www.slp.wa.gov.au/legislation/statutes.nsf/default.html>

For your Premises relevant statutory instruments include but are not limited to obligations under the:

- *Environmental Protection (Unauthorised Discharges) Regulations 2004* – these Regulations make it an offence to discharge certain materials such as contaminated stormwater into the environment other than in the circumstances set out in the Regulations.
- *Environmental Protection (Controlled Waste) Regulations 2004* - these Regulations place obligations on you if you produce, accept, transport or dispose of controlled waste.
- *Environmental Protection (Noise) Regulations 1997* – these Regulations require noise emissions from the Premises to comply with the assigned noise levels set out in the Regulations.

You must comply with your licence. Non-compliance with your licence is an offence and strict penalties exist for those who do not comply.



Licence holders are also reminded of the requirements of section 53 of the Act which places restrictions on making certain changes to prescribed premises unless the changes are in accordance with a works approval, licence, closure notice or environmental protection notice.

Licence fees

If you have a licence that is issued for more than one year, you are required to pay an annual licence fee prior to the anniversary date of issue of your licence. Non payment of annual licence fees will result in your licence ceasing to have effect meaning that it will no longer be valid and you will need to apply for a new licence for your Premises.

Ministerial conditions

If your Premises has been assessed under Part IV of the Act you may have had conditions imposed by the Minister for Environment. You are required to comply with any conditions imposed by the Minister.

Premises description and Licence summary

The Gnowangerup liquid waste facility (LWF) is operated by the Shire of Gnowangerup and is located about 4.7 kilometres south of the Gnowangerup town centre. The LWF is located on the same lot and directly adjacent to the category 89 registered Gnowangerup landfill (Registration R1521/2003/1). The LWF serves the local Shire of Gnowangerup catchment and at times some adjacent local government areas. The existing pond is expected to continue operating until about 2023, at which time the sludge will likely to be removed and the high density polyethylene (HDPE) liner replaced.

Potential sensitive receptors in the vicinity of the LWF include:

- The Gnowangerup rural airstrip located directly west (750 meters) of the LWF;
- Surrounding general agricultural land;
- The nearest residence located about 1.1 kilometres northwest of the LWF;
- The Gnowangerup creek, a minor river located about 1 kilometre east of the LWF; and
- Local groundwater, which is estimated to be about 10 metres below ground level (at least 5 meters) and likely to be of saline to hyper-saline composition.

The main risk of emissions to the environment from the Premises is from leachate migrating from the lined liquid waste pond and odour emissions from the liquid waste. Local soil samples indicate high clay content at the site, at least 4.5 metres in depth. Permeability results for the local clay are not available; the permeability of the HDPE *Enviro Liner 6030* is 3×10^{-11} m/sec. Stormwater is directed away from the LWF by site contouring and the facility is fully fenced with restricted access.

This Licence is for the operation of an existing facility not established under works approval. The licences and works approvals issued for the Premises since 22/10/2015 are:

Instrument log		
Instrument	Issued	Description
L8916/2015/1	22/10/2015	New licence granted.

Severance

It is the intent of these Licence conditions that they shall operate so that, if a condition or a part of a condition is beyond the power of this Licence to impose, or is otherwise *ultra vires* or invalid, that condition or part of a condition shall be severed and the remainder of these conditions shall nevertheless be valid to the extent that they are within the power of this Licence to impose and are not otherwise *ultra vires* or invalid.

END OF INTRODUCTION



Licence conditions

1 General

1.1 Interpretation

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

1.1.2 For the purposes of this Licence, unless the contrary intention appears:

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

'annual period' means the inclusive period from 1 January until 31 December in that year;

'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

'freeboard' means the distance between the maximum water surface elevations and the top of retaining banks or structures at their lowest point;

'hardstand' means a surface with a permeability of 10^{-9} metres/second or less;

'HDPE' means high density polyethylene;

'Licence' means this Licence numbered L8916/2015/1 and issued under the Act;

'Licensee' means the person or organisation named as Licensee on page 1 of the Licence;

'liquid waste pond' means the pond as depicted in Premises Map in Schedule 1 by the blue line and authorised by this License to accept liquid waste;

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

'Schedule 1' means Schedule 1 of this Licence unless otherwise stated;

'Schedule 2' means Schedule 2 of this Licence unless otherwise stated;

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

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



- 1.1.5 Nothing in the Licence shall be taken to authorise any emission that is not mentioned in the Licence, where the emission amounts to:
- (a) pollution;
 - (b) unreasonable emission;
 - (c) discharge of waste in circumstances likely to cause pollution; or
 - (d) being contrary to any written law.

1.2 General conditions

- 1.2.1 The Licensee shall operate and maintain all pollution control and monitoring equipment to the manufacturer’s specification or any relevant and effective internal management system.
- 1.2.2 The Licensee shall maintain permanent markers along the boundary of the Premises so it can be identified on the ground.

1.3 Premises operation

- 1.3.1 The Licensee shall record and investigate the exceedance of any descriptive or numerical limit in this section.
- 1.3.2 The Licensee shall only allow waste to be accepted on to the Premises if:
- (a) it is of a type listed in Table 1.3.1; and
 - (b) the quantity accepted is below any limit listed in Table 1.3.1; and
 - (c) it meets any specification listed in Table 1.3.1

Table 1.3.1: Waste acceptance			
Waste	Waste code	Quantity limit	Specification¹
Waste from grease traps	K110	300 tonnes per annual period	Tankered into the Premises and discharged into the liquid waste pond at the discharge point depicted in Schedule 1 and labelled L1.
Septage wastes	K210		

Note 1: Additional requirements for the acceptance of controlled waste are set out in the *Environmental Protection (Controlled Waste) Regulations 2004*.

- 1.3.3 The Licensee shall ensure that the wastes accepted onto the Premises are only subjected to the process set out in Table 1.3.2 and in accordance with any process requirements described in that table.

Table 1.3.2: Waste processing		
Waste type	Process	Process requirements
Waste from grease traps	Storage and evaporation	(a) Liquid waste must only be stored within the liquid waste pond.
Septage wastes		
Sludge	Storage and drying	(b) Sludge must only be stored: <ul style="list-style-type: none"> (i) Within the liquid waste pond; or (ii) On a hardstand which directs all leachate and runoff to the liquid waste pond.

- 1.3.4 The Licensee must ensure that waste material is only stored and/ or treated within vessels or compounds provided with the infrastructure detailed in Table 1.3.3.



Table 1.3.3: Containment infrastructure

Vessel or compound	Material	Requirements
Liquid waste pond	Waste from grease traps	Lined with HDPE to achieve a permeability of no more than 2×10^{-10} m/sec
	Septage wastes	

- 1.3.5 The Licensee shall manage the liquid waste pond such that:
- (a) overtopping of the pond does not occur;
 - (b) a freeboard equal to, or greater than 500 mm is maintained at all times; and
 - (c) vegetation (emergent or otherwise) is prevented from encroaching onto pond surfaces or inner pond embankments.
- 1.3.6 The Licensee shall:
- (a) ensure the entrance gates are closed and locked when the Premises is closed or unmanned; and
 - (b) undertake regular inspections of all security measures and repair damage as soon as practicable.

2 Monitoring

2.1 Monitoring of inputs and outputs

- 2.1.1 The Licensee shall undertake the monitoring in Table 2.1.1 according to the specifications in Table 2.1.1.

Table 2.1.1: Monitoring of inputs and outputs

Input/ Output	Parameter	Units	Averaging period	Frequency
Waste from grease traps (K110)	Volume	m ³ / day; tonnes	Monthly	Each load arriving at the Premises
Septage wastes (K210)				

3 Information

3.1 Records

- 3.1.1 All information and records required by the Licence shall:
- (a) be legible;
 - (b) if amended, be amended in such a way that the original and subsequent amendments remain legible or are capable of retrieval;
 - (c) except for records listed in 5.1.1(d) be retained for at least 6 years from the date the records were made or until the expiry of the Licence or any subsequent licence; and
 - (d) for those following records, be retained until the expiry of the Licence and any subsequent licence:
 - (i) off-site environmental effects; or
 - (ii) matters which affect the condition of the land or waters.
- 3.1.2 The Licensee shall ensure that:
- (a) any person left in charge of the Premises is aware of the conditions of the Licence and has access at all times to the Licence or copies thereof; and
 - (b) any person who performs tasks on the Premises is informed of all of the conditions of the Licence that relate to the tasks which that person is performing.



- 3.1.3 The Licensee shall complete an Annual Audit Compliance Report indicating the extent to which the Licensee has complied with the conditions of the Licence, and any previous licence issued under Part V of the Act for the Premises for the previous annual period.
- 3.1.4 The Licensee shall implement a complaints management system that as a minimum records the number and details of complaints received concerning the environmental impact of the activities undertaken at the Premises and any action taken in response to the complaint.

3.2 Reporting

- 3.2.1 The Licensee shall submit to the CEO an Annual Environmental Report within 62 calendar days after the end of the annual period. The report shall contain the information listed in Table 5.2.1 in the format or form specified in that table.

Table 5.2.1: Annual Environmental Report		
Condition or table (if relevant)	Parameter	Format or form¹
Condition 3.1.1, Table 3.1.1	Summary of all inputs and outputs monitoring data which shall include: a) data in a table format for the annual period; and b) comment on annual input and output volumetric trends.	None specified
5.1.3	Compliance	Annual Audit Compliance Report (AACR)
5.1.4	Complaints summary	None specified

Note 1: Forms are in Schedule 2

3.3 Notification

- 3.3.1 The Licensee shall ensure that the parameters listed in Table 5.3.1 are notified to the CEO in accordance with the notification requirements of the table.

Table 5.3.1: Notification requirements			
Condition or table (if relevant)	Parameter	Notification requirement¹	Format or form¹
2.1.1	Breach of any limit specified in the Licence	Part A: As soon as practicable but no later than 5pm of the next usual working day. Part B: As soon as practicable	N1

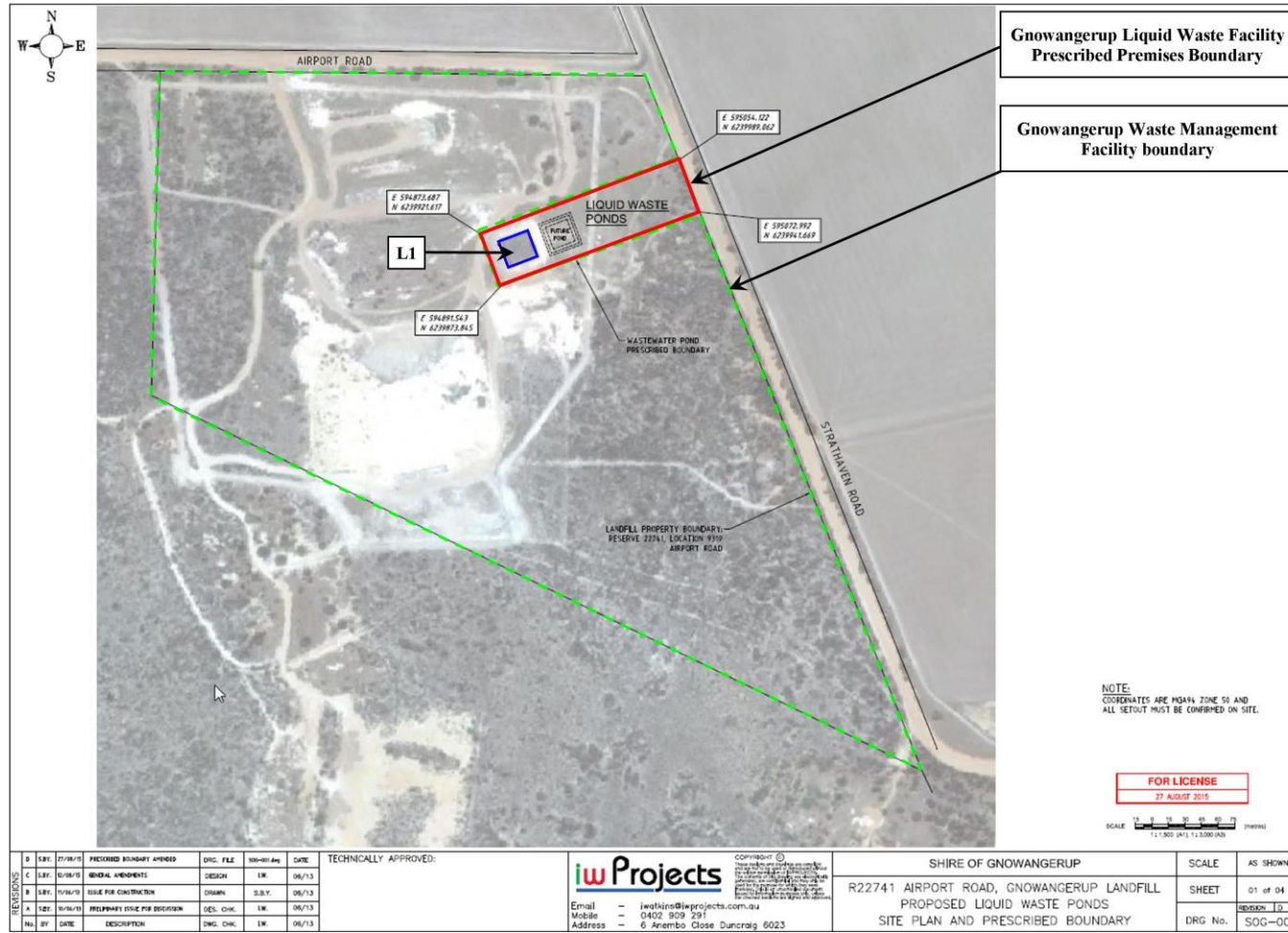
Note 1: Forms are in Schedule 2



Schedule 1: Maps

Premises map

The Premises is shown in the map below. The red line depicts the Premises boundary. The blue line depicts the liquid waste pond.





Schedule 2: Reporting & notification forms

These forms are provided for the proponent to report monitoring and other data required by the Licence. They can be requested in an electronic format.

ANNUAL AUDIT COMPLIANCE REPORT PROFORMA

SECTION A LICENCE DETAILS

Licence Number:	Licence File Number:
Company Name: Trading as:	ABN:
Reporting period: _____ to _____	

STATEMENT OF COMPLIANCE WITH LICENCE CONDITIONS

1. Were all conditions of the Licence complied with within the reporting period? (please tick the appropriate box)

Yes Please proceed to Section C

No Please proceed to Section B

Each page must be initialled by the person(s) who signs Section C of this Annual Audit Compliance Report (AACR).

Initial:



SECTION C

SIGNATURE AND CERTIFICATION

This Annual Audit Compliance Report (AACR) may only be signed by a person(s) with legal authority to sign it. The ways in which the AACR must be signed and certified, and the people who may sign the statement, are set out below.

Please tick the box next to the category that describes how this AACR is being signed. If you are uncertain about who is entitled to sign or which category to tick, please contact the licensing officer for your premises.

If the licence holder is		The Annual Audit Compliance Report must be signed and certified:
An individual	<input type="checkbox"/> <input type="checkbox"/>	by the individual licence holder, or by a person approved in writing by the Chief Executive Officer of the Department of Environment Regulation to sign on the licensee's behalf.
A firm or other unincorporated company	<input type="checkbox"/> <input type="checkbox"/>	by the principal executive officer of the licensee; or by a person with authority to sign on the licensee's behalf who is approved in writing by the Chief Executive Officer of the Department of Environment Regulation.
A corporation	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	by affixing the common seal of the licensee in accordance with the <i>Corporations Act 2001</i> ; or by two directors of the licensee; or by a director and a company secretary of the licensee, or if the licensee is a proprietary company that has a sole director who is also the sole company secretary – by that director, or by the principal executive officer of the licensee; or by a person with authority to sign on the licensee's behalf who is approved in writing by the Chief Executive Officer of the Department of Environment Regulation.
A public authority (other than a local government)	<input type="checkbox"/> <input type="checkbox"/>	by the principal executive officer of the licensee; or by a person with authority to sign on the licensee's behalf who is approved in writing by the Chief Executive Officer of the Department of Environment Regulation.
a local government	<input type="checkbox"/> <input type="checkbox"/>	by the chief executive officer of the licensee; or by affixing the seal of the local government.

It is an offence under section 112 of the *Environmental Protection Act 1986* for a person to give information on this form that to their knowledge is false or misleading in a material particular. There is a maximum penalty of \$50,000 for an individual or body corporate.

I/We declare that the information in this annual audit compliance report is correct and not false or misleading in a material particular.

SIGNATURE: _____

SIGNATURE: _____

NAME:
(printed) _____

NAME:
(printed) _____

POSITION: _____

POSITION: _____

DATE: ____/____/____

DATE: ____/____/____

SEAL (if signing under seal)



Licence: L8916/2015/1
Form: N1

Licensee: Shire of Gnowangerup
Date of breach:

Notification of detection of the breach of a limit.

These pages outline the information that the operator must provide.
Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

Part A

Licence Number	
Name of operator	
Location of Premises	
Time and date of the detection	

Notification requirements for the breach of a limit

Emission point reference/ source	
Parameter(s)	
Limit	
Measured value	
Date and time of monitoring	
Measures taken, or intended to be taken, to stop the emission	

Part B

Any more accurate information on the matters for notification under Part A.	
Measures taken, or intended to be taken, to prevent a recurrence of the incident.	
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission.	
The dates of any previous N1 notifications for the Premises in the preceding 24 months.	

Name	
Post	
Signature on behalf of Shire of Gnowangerup	
Date	



Decision Document

Environmental Protection Act 1986, Part V

Proponent: Shire of Gnowangerup

Licence: L8916/2015/1

Registered office: 28 Yougenup Road
GNOWANGERUP WA 6335

Premises address: Gnowangerup liquid waste facility
Airport Road
GNOWANGERUP WA 6335
Being part Lot 9319 on Plan 92335 (bound by the coordinates
E594873.687, N6239921.617; E595054.122, N6239989.062; E595072.992,
N6239941.669; and E594891.543, N6239873.845 MGA Zone 50).

Issue date: Thursday, 22 October 2015

Commencement date: Monday, 26 October 2015

Expiry date: Thursday, 25 October 2035

Decision

Based on the assessment detailed in this document the Department of Environment Regulation (DER) has decided to issue a 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: Peter van Schoubroeck
Licensing Officer

Decision Document authorised by: Caron Goodbourn
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 checked="" 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) 61	Assessed design capacity 300 tonnes per annual period
	Application verified Date: 01/09/2015 Application fee paid Date: 10/09/2015	
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	Not applicable	
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"/>	Referral decision No: Managed under Part V <input type="checkbox"/> Assessed under Part IV <input type="checkbox"/>
Is the proposal subject to Ministerial Conditions?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Ministerial statement No: EPA Report No:
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"/>	Department of Water consulted Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Is the Premises within an Environmental Protection Policy (EPP) Area Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>Environmental Protection South West Agriculture Zone Wetlands Policy 1998</i>		
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 Gnowangerup liquid waste facility (LWF) is operated by the Shire of Gnowangerup and is located about 4.7 kilometers south of the Gnowangerup town center. The LWF consists of a single pond and is located on the same lot and directly adjacent to the category 89 registered Gnowangerup landfill (Registration R1521/2003/1). The LWF serves the local Shire of Gnowangerup catchment and at times some adjacent local government areas. The existing pond is expected to continue operating until about 2023, at which time the sludge will likely to be removed and the high density polyethylene (HDPE) liner replaced.

Potential sensitive receptors in the vicinity of the LWF include:

- The Gnowangerup rural airstrip located directly west (750 meters) of the LWF;
- Surrounding general agricultural land;
- The nearest residence located about 1.1 kilometres northwest of the LWF;
- The Gnowangerup creek, a minor river located about 1 kilometre east of the LWF; and
- Local groundwater, which is estimated to be about 10 metres below ground level (at least 5 meters) and likely to be of saline to hyper-saline composition.

The main risk of emissions to the environment from the Premises is from leachate migrating from the lined liquid waste pond and odour emissions from the liquid waste. Local soil samples indicate high clay content at the site, at least 4.5 metres in depth. Permeability results for the local clay are not available; the permeability of the HDPE *Enviro Liner 6030* is 3×10^{-11} m/sec. Stormwater is directed away from the LWF by site contouring and the facility is fully fenced with restricted access. All sludge is to be held within the existing liquid waste pond. Sludge disposal is not expected to be required for about eight to ten years.

This Licence is for the operation of an existing facility not established under 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
General conditions	L1.1.1 – 1.1.5; L1.2.1 and L1.2.2	<p>Operation Conditions 1.1.1 – 1.1.5 ensures that terminology used within the licence is referenced to the appropriate definitions where applicable, that any reference to a standard or guideline is to the most current version of that standard or guideline and that emissions not authorised through the licence comply with the provisions of the <i>Environmental Protection Act 1986</i>.</p> <p>Condition 1.2.1 ensures that all pollution control and monitoring equipment is maintained such that it is operational and fit for purpose.</p> <p>Condition 1.2.2 ensures that the Premises boundary can be identified on the ground and activities can be distinguished from the adjacent category 89 landfill activities.</p>	General provisions of the <i>Environmental Protection Act 1986</i>
Premises operation	L1.3.1 – L1.3.5	<p>Operation <u>Emission Description</u> <i>Emission:</i> Liquid waste and associated contaminants (nutrients, heavy metals, pathogens and other contaminants) to land. <i>Impact:</i> Contamination of local soils, potential infiltration to groundwater (depth >5 meter below ground level) or runoff entering surface water (about 1 kilometre to closest significant water course). <i>Controls:</i> Site contouring, dedicated HDPE lined pond (overlying local clay) with a 530 m³ capacity (excluding 500 mm freeboard), and restricted site access.</p> <p><u>Risk Assessment</u> <i>Consequence:</i> Minor <i>Likelihood:</i> Unlikely <i>Risk Rating:</i> Moderate</p>	Application supporting documentation General provisions of the <i>Environmental Protection Act 1986</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><u>Regulatory Controls</u> Condition 1.3.1 ensures that the Licensee investigates any descriptive or numerical limit being exceeded in conditions 1.3.2 – 1.3.5. Condition 1.3.2 ensures that the Licensee only accepts authorised waste through the assessed and authorised infrastructure. Condition 1.3.3 ensures that the Licensee only processes waste through the assessed and authorised processes. Condition 1.3.4 ensures that the Licensee only contains wastes within the assessed and authorised infrastructure. Condition 1.3.5 ensures that the Licensee manages the liquid waste pond in a manner that minimises the risk of overflow and seepage. Condition 1.3.6 ensures that the Licensee manages the security of the site to minimise the risk of unauthorised access and dumping.</p> <p><u>Residual Risk</u> <i>Consequence: Minor</i> <i>Likelihood: Rare</i> <i>Risk Rating: Low</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
Fugitive emissions	N/A	<p>Operation</p> <p><u>Emission Description</u> <i>Emission:</i> Dust arising from construction equipment operations and vehicle movements during the construction of the liquid waste facility. No dust emissions are expected to arise during the operation of the liquid waste facility. <i>Impact:</i> Reduced local air quality from airborne particulates is possible on windy days, the closest off-Premises receptors are about 750 metres to the west. <i>Controls:</i> No site specific dust control measures are expected to be required. Traffic management, altering operational methods and amending road surface conditions will be considered if emission issues arise.</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> It is considered that the provisions of Section 49 of the <i>Environmental Protection Act 1986</i> are sufficient to regulate potential fugitive (dust) emissions from the liquid waste facility and any other fugitive emissions arising from activities at the Premises.</p> <p><u>Residual Risk</u> <i>Consequence:</i> Insignificant <i>Likelihood:</i> Rare <i>Risk Rating:</i> Low</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
Odour	N/A	<p>Operation</p> <p><u>Emission Description</u> <i>Emission:</i> Odour arising from the disposal and treatment of liquid waste and sludge drying process during operations. <i>Impact:</i> Interference with the health, welfare, convenience, comfort or amenity of sensitive residential receptors is possible. The closest off-Premises receptors are about 750 metres to the west. <i>Controls:</i> Liquid waste is deposited into an anaerobic liquid waste pond. Neutralising pH with the addition of lime and investigating particular loads of liquid waste that may generate excessive odour.</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> It is considered that the provisions of Section 49 of the <i>Environmental Protection Act 1986</i> are sufficient to regulate potential fugitive (odour) emissions from the liquid waste facility and any other fugitive emissions arising from activities at the Premises.</p> <p><u>Risk assessment:</u> <i>Consequence:</i> Insignificant <i>Likelihood:</i> Unlikely <i>Risk Rating:</i> Low</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
Noise	N/A	Operation Noise emissions arising from the operation of the liquid waste facility are not expected to exceed ambient noise levels at the premises. Therefore no licence conditions are required in this section. Should noise emissions arise from the Premises operation they can be managed under the requirements of the <i>Environmental Protection (Noise) Regulations 1997</i> .	General provisions of the <i>Environmental Protection Act 1986</i>
Monitoring of inputs and outputs	L2.1.1	Operation Condition 2.1.1 requires the recording of the types and volumes of all liquid waste accepted at the liquid waste facility. This will allow production limits set under condition 1.3.2 to be verified.	General provisions of the <i>Environmental Protection Act 1986</i>



DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L= Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
Information	L3.1.1 – 3.1.4; L3.2.1 and L3.3.1	<p>Operation</p> <p>Condition 3.1.1 ensures that information and reporting is clear, legible and retained for an appropriate time period.</p> <p>Condition 3.1.2 ensures that employees and representatives of the proponent at the Premises are aware of the requirements of the Licence.</p> <p>Condition 3.1.3 ensures that the Annual Audit Compliance Report is completed and subsequently submitted under condition 4.2.1.</p> <p>Condition 3.1.4 ensures that a complaints management system is implemented and maintained.</p> <p>Condition 4.2.1 and outlines the information to be included in the Annual Environmental Report. Annual reports will allow periodic reviews of the Premises performance and due consideration applied to the issued duration of the Licence.</p> <p>Condition 4.3.1 ensures that any breach of a specified limit in the licence is promptly identified and that any additional response from DER can be implemented in an appropriate timeframe.</p>	General provisions of the <i>Environmental Protection Act 1986</i>



DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L= Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
Licence Duration	N/A	This Licence will be issued for a period of twenty years, in accordance with the <i>Guidance Statement: Licence duration</i> . The emission risk from the premises has been assessed as low risk.	Department of Environment Regulation 2015, <i>Guidance statement: Licence duration</i> General provisions of the <i>Environmental Protection Act 1986</i>

5 Advertisement and consultation table

Date	Event	Comments received/Notes	How comments were taken into consideration
21/09/2015	Application advertised in West Australian (or other relevant newspaper)	None applicable	None applicable
07/10/2015	Proponent sent a copy of draft instrument	Administrative errors identified	Administrative errors corrected
26/10/2015	Instrument issue was advertised in West Australian		



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