



Licence Number L7007/1997/11

Licence Holder Shire of Manjimup

File Number: DER2016/000020

Premises Manjimup Recycling and Refuse Centre
62 Ralston Road
RINGBARK WA 6258

Legal description –
Lot 501 on Plan 403155 as depicted in Schedule 1
Certificate of Title Volume 3160 Folio 713

Date of Amendment 16 November 2018

Amendment

The Chief Executive Officer (CEO) of the Department of Water and Environmental Regulation (DWER) has amended the above Licence in accordance with section 59 of the *Environmental Protection Act 1986* (EP Act), as set out in this Amendment Notice. This Amendment Notice constitutes written notice of the amendment in accordance with section 59B(9) of the EP Act.

A/MANAGER WASTE INDUSTRIES REGULATORY SERVICES (ENVIRONMENT)

an officer delegated under section 20 of the *Environmental Protection Act 1986* (WA).

Definitions and interpretation

Definitions

In this Amendment Notice, the terms in Table 1 have the meanings defined.

Table 1: Definitions

Term	Definition
Amendment Notice	refers to this document
Assessment	The process by which the potential environmental and public health impacts of an Application are assessed against the requirements of the EP Act and relevant DER policy and guidance.
Averaging Period	means the time over which a limit or target is measured or a monitoring result is obtained
CEO	means Chief Executive Officer. CEO for the purposes of notification means: Director General Department Administering the <i>Environmental Protection Act 1986</i> Locked Bag 33 Cloisters Square PERTH WA 6850 info@dwer.wa.gov.au
Condition	means a condition to which this Licence is subject under s.62 of the EP Act.
Decision or Implementation Agreement	has the same meaning given to that term under the EP Act.
Delegated Officer	an officer under section 20 of the EP Act
Department	means the department established under section 35 of the <i>Public Sector Management Act 1994</i> and designated as responsible for the administration of Part V, Division 3 of the EP Act.
DWER	Department of Water and Environmental Regulation
EP Act	means the <i>Environmental Protection Act 1986 (WA)</i> .
EP Regulations	means the <i>Environmental Protection Regulations 1987 (WA)</i> .
Freeboard	means the vertical distance between the maximum liquid surface elevations and the top of retaining banks or structures, at their lowest point.

Impervious	Not allowing fluid to pass through
Licence Holder	Shire of Manjimup
Occupier	has the same meaning given to that term under the EP Act.
Premises	refers to the premises to which this Amendment Notice applies, as specified at the front of this Amendment Notice.
Spot Sample	means a discrete sample representative at the time and place at which the sample is taken
Technical expert	A person who holds a suitable qualification and has extensive work experience in the technical field of enquiry.
Written notification	Written notification includes letters and email correspondence.

Amendment Notice

This amendment is made pursuant to section 59 of the *Environmental Protection Act 1986* (EP Act) to amend Licence L7007/1997/11 issued under the EP Act for a prescribed premises as set out below. This notice of amendment is given under section 59B(9) of the EP Act.

This notice is limited only to an amendment of Licence L7007/1997/11 to include conditions allowing the operation of the liquid waste facility currently authorised by works approval W5892/2015/1 and for the removal of previously satisfied improvement conditions. No changes to the aspects of the original operational based conditions from W5892/2015/1 have been requested by the Licence Holder as part of this amendment process.

The following guidance statements have informed the decision made on this amendment:

- *Guidance Statement: Regulatory Principles* (July 2015)
- *Guidance Statement: Setting Conditions* (October 2015)
- *Guidance Statement: Decision Making* (February 2017)
- *Guidance Statement: Risk Assessments* (February 2017)

Amendment description

Works approval W5892/2015/1 was amended on the 19 January 2017 following completion of construction related works to include conditions allowing the operation of the liquid waste facility. The rationale behind including operational conditions within the works approval was to expedite the assessment and approval process given the availability of liquid waste disposal locations in the region. The ultimate intent was to transfer operational controls to Licence L7007/1997/11.

The works approval is due to expire on the 1 November 2018 and the Shire of Manjimup has applied to amend Licence L7007/1997/11 to include the conditions from W5892/2015/1 allowing the continued operation of the liquid waste facility.

Table 2 below outlines the proposed changes to the Licence

Table 2: Proposed category, design and throughput capacity changes

Category	Current design capacity	Proposed design / throughput capacity	Description of proposed amendment
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61	700 tonnes per annual period	700 tonnes per annual period	Waste acceptance and operation of the Liquid waste facility is authorised by W5892/2015/1. This amendment is to transfer such authorisation (and related regulatory controls/conditions) to L7007/1997/11
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Land use agreement for the Premises

DWER has consulted the Department of Lands, Planning and Heritage regarding the premises land use agreement for Reserve: 25706, Volume: 3160, Folio 713 conditioning the designated purpose to be of a Rubbish Depot only. Advice has since been provided to the Shire of Manjimup that an amendment of the Management Order for the land use under the *Land Administration Act 1997* may be required.

The amendment of the Licence does not absolve the Licence Holder from ensuring that all other statutory approvals to operate at the premises are in place.

Amendment history

Table 3 provides the amendment history for L7007/1997/11 and W5892/2015/1.

Table 3: Licence and Works Approval amendments

Instrument	Issued	Amendment
L7007/1991/10	25/06/2010	Licence reissue
L7007/1991/11	19/06/2015	Licence reissue – conversion to REFIRE format
W5892/2015/1	29/10/2015	Works approval issued – liquid waste facility
L7007/1991/11	21/03/2016	Licence amendment – stormwater management, final landfill profile and administrative changes.
W5892/2015/1	19/01/2017	Works Approval amendment – allowing the waste acceptance and operations of liquid waste facility
L7007/1997/11	16/11/2018	Amendment Notice 1

Location and receptors

Table 4 below lists the relevant sensitive land uses in the vicinity of the Prescribed Premises which may be receptors relevant to the proposed amendment.

Table 4: Receptors and distance from activity boundary

Residential and sensitive premises	Distance from Prescribed Premises
Household	180m north-west of premises boundary (270m from liquid waste operations)
Household	245m east of premises boundary (500m from liquid waste operations, downhill)
Household	195m west of premises boundary (440m from liquid

	waste operations)
Advance Packing and Marketing (Avocado packing services)	Adjacent premises to the south (600m from liquid waste operations, downhill)
The Warren Equestrian Centre (previously Manjimup trotting club)	250m south east of the premises boundary (800m from liquid waste operations)

Table 5 below lists the relevant environmental receptors in the vicinity of the Prescribed Premises which may be receptors relevant to the proposed amendment.

Table 5: Environmental receptors and distance from activity boundary

Environmental receptors	Distance from Prescribed Premises
Faunadale Nature Reserve	580m south-west of premises boundary
Donnelly river catchment area: <ul style="list-style-type: none"> - Country Areas Water Supply Act 1947 public drinking water source area, status 'priority not assigned'; and - Donnelly River System Rights in Water and Irrigation Act 1914 surface water area 	Within catchment area, Donnelly river approximately 10km away fed by Yanmah Brook approximately 380m north-east of the premises, and Manjimup Brook approximately 200m south-west of the premises.
Manjimup Brook	Approximately 200m south-west of the premises boundary and approximately 670m south of the liquid waste facility operations. Considered up-cross hydraulic gradient from the liquid waste facility.
Yanmah Brook	Approximately 330m north-east of the premises and 380m from liquid waste facility operations. considered down hydraulic gradient from the liquid waste facility.
Nearby private water-holding dams	240m east of premises boundary 175m east of premises boundary. 349m east-south-east of premises boundary 114m east of premises boundary 98m north of premises boundary 109m north of premises boundary
Groundwater	Ranges ~5.5 to 7.75m below ground level (mBGL) in bore 'MAN4' which lies 80m east and adjacent to the liquid waste facility (inferred from 2016-17 groundwater monitoring data).

Risk assessment

The Delegated Officer has considered the risk assessment completed for W5892/2015/1 allowing the operation of the liquid waste facility and the associated regulatory controls enforced in such process to manage the perceived risk.

Tables 3 below describes the Risk Events associated with the amendment consistent with the Guidance Statement: Risk Assessments. The table identifies whether the emissions present a material risk to public health or the environment, requiring regulatory controls.

Table 3: Risk assessment for proposed amendments during operation

Risk Event					Consequence rating	Likelihood rating	Risk	Proposed controls	Regulatory controls (refer to conditions of the granted instrument and amendments reflected in this Notice)	
Source/Activities	Potential emissions	Potential receptors	Potential pathway	Potential adverse impacts						
Cat 61 Liquid waste facility	Liquid waste acceptance, storage and treatment.	Odour: arising from the disposal and treatment of liquid waste and sludge drying process during operations.	Household approximately 270m north-west of the liquid waste ponds	Air	Health and amenity impacts	Minor	Unlikely	Medium	<ul style="list-style-type: none"> Liquid waste is initially deposited into an anaerobic pond, pH monitoring of pond conditions is proposed and application of lime may occur if required. Straw will be used to facilitate development and maintenance of an anaerobic crust when required. 	<ul style="list-style-type: none"> General provisions of the EP Act
		Noise: Vehicle movements associated with the acceptance and processing of liquid waste	Household approximately 270m north-west of the liquid waste ponds	Air	Health and amenity impacts	Minor	Rare	Low	<ul style="list-style-type: none"> None proposed 	<ul style="list-style-type: none"> Condition 1.3.2: Restriction of waste acceptance and volume <i>Environmental Protection (Noise) Regulations 1997</i>
		Liquid waste leachate: Leaks from pond liner failure (Anaerobic Ponds, Facultative Pond and Evaporation Pond) Leaks from liner failure of Drying Holding Pan	Groundwater	Seepage: infiltration to ground	Contamination of waters or deterioration of local/regional groundwater quality. Amenity and health impacts to users (potential potable, non-potable water uses).	Moderate	Unlikely	Medium	<ul style="list-style-type: none"> Engineered clay lined and maintained to achieve a permeability of at least <math>1 \times 10^{-9}</math> m/s. Ponds constructed in accordance with works approval W5892/2015/1. Restricting the types and volume of liquid waste accepted at the Premises. 	<ul style="list-style-type: none"> Condition 1.3.2: Restriction of waste acceptance and volume Condition 1.3.15: Containment infrastructure requirements. Condition 2.4.1: Groundwater monitoring requirements
		Liquid waste effluent runoff: overtopping of ponds. Liquid waste to be accepted at the Premises could contain elevated levels of nitrogen species (including ammonia), phosphorus species, heavy metals, hydrocarbons and other containments.	Neighbouring premises approximately 200m from the liquid waste ponds to the east and south-east.	Surface runoff with stormwater	Eutrophication/contamination of waterway which can disrupt ecosystem function.	Moderate	Unlikely	Medium	<ul style="list-style-type: none"> Maintain a freeboard equal to, or greater than, 500mm. Restricting waste types and volumes. Processing liquid waste in low permeability specified infrastructure. Storage of sludge wastes on low permeability liners. 	<ul style="list-style-type: none"> Condition 1.3.2: Restriction of waste acceptance and volume Condition 1.3.4: Waste processing Conditions 1.3.14, 1.3.15 and 1.3.16: pond management and containment infrastructure requirements Condition 2.4.1: Groundwater monitoring requirements
		Yanmah Brook approximately 380m to the north-east	Contamination of surface waters potentially impacting vegetation and livestock health in receiving environments.		Moderate	Unlikely	Medium			
			Groundwater	Seepage: infiltration to ground	Contamination of waters or deterioration of local/regional groundwater quality. Amenity and health impacts to users (potential potable, non-potable water uses).	Moderate	Unlikely	Medium		

Decision

On the 19 January 2017 Works Approval W5892/2015/1 was amended following completion of works allowing the acceptance of waste and operation of the liquid waste facility. This amendment to include operating conditions of the liquid waste facility on Licence L7007/1997/11 was requested by the Licence Holder due to the expiry of Works Approval W5892/2015/1 on the 1 November 2018.

Based on the Risk Assessment the Delegated Officer has determined to amend the Licence to authorise the operation of the liquid waste facility on Licence L7007/1997/11. The amendment is only for the transfer of currently approved operating conditions in Works Approval W5892/2015/1 to Licence L7007/1997/11 and for the removal of previously satisfied improvement conditions. No other changes to the Licence have been made.

A pre-existing dam below the evaporative pond constructed of in-situ material remains in place capable of containing effluent discharged in the event of an emergency. Discharge to this pond would require reporting under Section 72 of the EP Act (*Duty to notify CEO of discharges of waste*).

Licence Holder's comments

The Licence Holder was provided with the draft Amendment Notice on 15 October 2018. Comments received from the Licence Holder have been considered by the Delegated Officer as shown in Appendix 2.

Amendment

1. Definitions of Licence L7007/1991/11 is amended by the deletion of the text shown in strikethrough below and the insertion of the red text shown in underline below:

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

2. Condition 1.3.2 of Licence L7007/1991/11 is amended by the insertion of the red text shown in underline below:

- 1.3.2 *The Licensee shall only accept waste 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 quantity 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 type	Waste code	Quantity limit tonnes/ annual period	Specification¹
<u>Solid waste</u>			
<i>Inert Waste Type 1</i>	<i>Not applicable</i>	<i>Total of up to 10,000 tonnes per annual period for wastes accepted</i>	<i>Waste containing visible asbestos or ACM shall not be accepted.</i>

		<i>under category 13</i>		
<i>Putrescible waste</i>	<i>Not applicable</i>	<i>Total of up to 20,000 tonnes per annual period for wastes accepted under category 61A</i>	<i>Limited to green waste only</i>	
<i>Inert Waste Type 2</i>	<i>T140 (used tyres); not applicable for other wastes</i>	<i>Combined total of up to 20,000 tonnes per annual period for wastes accepted under category 62 for sorting and storage</i>	<i>None specified</i>	
<i>Hazardous waste</i>	<i>J100 (waste oil); F120 and F100 (paint); D221 (used lead acid batteries); not applicable for other wastes</i>		<i>Limited to:</i> <i>i) Waste oil;</i> <i>ii) Paint; and</i> <i>iii) Batteries.</i>	
<i>Recyclable waste</i>	<i>Not applicable</i>		<i>Limited to recyclable items including: drumMUSTER products; electronic items; glass; plastic; metal; timber; whitegoods; and general kerbside recyclables.</i>	
<i>Clean Fill</i>	<i>Not applicable</i>	<i>Combined total of up to 50,000 tonnes per annual period for wastes accepted under category 64 for landfilling</i>	<i>None specified</i>	
<i>Contaminated Solid Waste</i>	<i>Not applicable</i>		<i>Shall meet the Class II Landfill Definitions acceptance criteria</i>	
<i>Inert Waste Type 1</i>	<i>Not applicable</i>		<i>Waste containing visible asbestos or ACM shall not be accepted.</i>	
<i>Inert Waste Type 2</i>	<i>Not applicable</i>		<i>Shall meet the Class II Landfill Definitions acceptance criteria</i>	
<i>Putrescible waste</i>	<i>Not applicable</i>		<i>Shall meet the Class II Landfill Definitions acceptance criteria</i>	
<i>Special Waste Type 1</i>	<i>N220 (asbestos)</i>		<i>Only wrapped asbestos shall be accepted.</i>	
<i>Special Waste Type 2</i>	<i>R100 (clinical and related wastes)</i>		<i>Any discrepancy between waste declared and waste received noted in writing</i>	
<u>Liquid waste</u>				
<u>Waste from grease traps</u>	<u>K110</u>		<u>Combined total of up to 700 tonnes</u>	<u>Limited to grease interceptor waste from grease traps.</u>
<u>Septage wastes;</u>	<u>K210</u>	<u>Limited to liquid and solid components from the pump-out of septic tanks (being predominantly liquid waste)</u>		

<u>Car and truck wash waters</u>	<u>L100</u>	<u>Limited to car and truck wash waters from wash down bays</u>
<u>Industrial wash waters contaminated with a controlled waste</u>	<u>L150</u>	<u>Excluding Per- and poly-fluoroalkyl substances (PFAS) contaminated materials</u>
<u>Fire debris or fire wash waters</u>	<u>N140</u>	<u>Limited to fire debris and wash waters contaminated with chemicals excluding PFAS contaminated materials</u>

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

3. Condition 1.3.4 of Licence L7007/1997/11 is amended by the insertion of the red text shown in underline below:

1.3.4 *The Licensee shall ensure that wastes accepted onto the Premises landfill are only subjected to the processes set out in Table 1.3.2 and in accordance with any process limits described in Table 1.3.2.*

Table 1.3.2: Waste processing		
Waste type	Process(es)	Process limits^{1, 2}
All waste types	Receipt, handling, associated storage and disposal of waste by landfilling	<p>Disposal of waste by landfilling shall only take place within the active landfill area as depicted in Schedule 1.</p> <p>No waste shall be temporarily stored, treated, processed, disposed of or landfilled within 35 metres from the boundary of the Premises.</p> <p>The landfill tipping area shall:</p> <ul style="list-style-type: none"> not be exposed with a vertical face exceeding two metres. not be exposed with a horizontal face exceeding 30 metres. <p>Waste is levelled and compacted as soon as practicable after it is discharged;</p> <p>Waste is placed and compacted to ensure all faces are stable and capable of retaining rehabilitation material.</p>
Inert Waste Type 1	Receipt, handling and storage of waste prior to mechanical treatment consisting only of screening, crushing and cleaning.	In accordance with the Asbestos Management Plan.
Clean Fill	Receipt, handling, associated	None specified
Contaminated Solid Waste		None specified

<i>Inert Waste Type 1</i>	<i>storage and disposal of waste by landfilling</i>	<i>None specified</i>
<i>Putrescible waste</i>		<i>Disposed of to landfill the day of acceptance.</i> <i>Only green waste may be burnt and in accordance with condition 1.3.12</i>
<i>Special Waste Type 1</i>		<i>Only to be disposed of into designated asbestos and clinical waste disposal areas within the landfill;</i>
<i>Special Waste Type 2</i>		<i>Not to be deposited within two metres of the final tipping surface of the landfill; and</i> <i>No works shall be carried out on the landfill that could lead to a release of asbestos fibres or clinical waste.</i> <i>In accordance with the Asbestos Management Plan.</i>
<i>Inert Waste Type 2</i>	<i>Receipt, handling or storage prior to disposal or transfer off-Premises</i>	<i>Less than 100 tyres shall be stored on the Premises at any one time;</i> <i>Tyres shall only be stored in a designated area with a minimum separation distance of six metres from any flammable material.</i>
<i>Hazardous waste</i>		<i>Waste oil shall only be stored within the designated waste oil receptacle and drums containing waste oil within an area fully enclosed by a bund.</i> <i>Paint and vehicle batteries shall only be stored within an area fully enclosed by a bund.</i> <i>Paint shall not be disposed of at the Premises in liquid form.</i>
<i>Recyclable waste</i>		<i>No waste shall be temporarily stored within 35 metres from the boundary of the Premises.</i>
<u><i>Liquid Waste</i></u>	<u><i>Acceptance, storage</i></u>	<u><i>(a) All liquid waste must be disposed of into the Tipping Box from the Concrete Unloading Pad.</i></u> <u><i>(b) All liquid waste must be stored within the Anaerobic Ponds, Facultative Pond or Evaporation Pond.</i></u> <u><i>(c) Liquid waste must not be disposed of to land at the Premises.</i></u>
<u><i>Sludge waste</i></u>	<u><i>Storage</i></u>	<u><i>(d) All sludge waste must be stored on the Drying Holding Pan prior to disposal.</i></u>

Note 1: Requirements for landfilling tyres are set out in Part 6 of the *Environmental Protection Regulations 1987*.

Note 2: Additional requirements for the acceptance and landfilling of controlled waste (including asbestos and tyres) are set out in the *Environmental Protection (Controlled Waste) Regulations 2004*.

4. Condition 1.3.14 of the Licence is amended by the deletion of the text shown in strikethrough below and the insertion of the red text shown in underline below:

1.3.14 The Licensee shall manage ~~the all~~ storage ponds, including the Anaerobic Ponds, Facultative Pond, Evaporation Pond and Emergency Overflow Pond such that:

- (a) *overtopping of the storage ponds does not occur;*
- (b) *a freeboard equal to, or greater than, 500mm is maintained (subject to Condition 1.3.17);*
- ~~(c) there is no discernible seepage loss from the storage ponds; and~~
- (d) *the integrity of the storage pond clay liners is maintained; and*
- (e) *vegetation is prevented from growing on the pond embankment and liners.*

5. The Licence is amended by the insertion of the following Condition 1.3.15:

1.3.15 *The Licence Holder must ensure that wastes types at the Premises listed in Table 1.3.7 are only stored and/ or treated within the infrastructure/ material detailed in Table 1.3.7 and in accordance with any infrastructure requirements described in Table 1.3.7*

Table 1.3.7: Containment infrastructure		
Waste type	Infrastructure	Infrastructure requirements
Liquid waste	Pipes	(a) Impervious and free of leaks or defects.
	Anaerobic Ponds, Facultative Pond and Evaporation Pond	(b) Engineered clay lined and maintained to achieve a permeability of at least $<1 \times 10^{-9}$ m/s.
Sludge waste	Drying Holding Pan	(c) Engineered clay lined and maintained to achieve a permeability of at least $<1 \times 10^{-9}$ m/s.

6. The Licence is amended by the insertion of the following Condition 1.3.16:

1.3.16 *The Licence Holder must ensure that stormwater generated at the Premises is not directed into the Anaerobic Ponds, Facultative Pond or Evaporation Pond.*

7. The Licence is amended by the insertion of the following Condition 1.3.17:

1.3.17 *The license holder must, within 6 months of the date of this Amendment Notice, install on the emergency outlet pipe:*

- a) *For the anaerobic and facultative ponds a right-angle upward elbow and pipe extension with a screw cap lid in place; and*
- b) *For the evaporation pond a right-angle upward elbow and pipe extension.*

8. Condition 2.2.1 of the Licence is amended by the insertion of the red text shown in underline below:

2.2.1 *The Licensee shall undertake the monitoring in Table 2.2.1 according to the specifications in Table 2.2.1.*

Table 2.2.1: Monitoring of inputs and outputs				
Input/ Output	Parameter	Units	Averaging period	Frequency
Waste inputs <u>(solid waste)</u>	Clean fill; contaminated solid waste; green waste; hazardous waste; inert waste type 1; inert waste type 2; putrescible waste; recyclable waste; special waste type 1; and special waste type 2.	Tonnes (where a weighbridge is present) m^3 (where no weighbridge is present)	Annual period	Continuous (each load arriving at Premises)

<u>Waste inputs (liquid waste)</u>	<u>Waste type as per controlled waste tracking form (and verified against liquid waste types specified in Table 1.3.2)</u>	<u>Tonnes</u>		
Waste outputs (solid waste)	Waste type as defined in the Landfill Definitions	Tonnes (where a weighbridge is present) m ³ (where no weighbridge is present)		Continuous (each load leaving or rejected from the Premises)
Waste outputs (liquid waste)	<u>Waste type as per controlled waste tracking form</u>	Tonnes		

9. Condition 2.4.1 of the Licence is amended by the deletion of the text shown in strikethrough below and the insertion of the red text shown in underline below:

2.4.1 ~~The Licensee shall undertake the monitoring in Table 2.4.1 according to the specifications in Table 2.4.1.~~

Table 2.4.1: Monitoring of ambient groundwater quality				
Monitoring point reference and location	Parameter	Units	Averaging period	Frequency
MAN1, MAN2, and MAN3, <u>MAN4 and MAN5</u>	Dissolved oxygen ¹	mg/L	Spot sample	Quarterly
	Electrical conductivity ¹	µS/cm		
	Oxidation/ reduction potential ¹	mV		
	pH ¹	-		
	Standing water level ¹	m(AHD) and mBGL		
	Biochemical oxygen demand; Chloride, fluoride, potassium, sulfate; Total metals: aluminium, arsenic, cadmium, chromium, copper, iron, lead, manganese, mercury, nickel, zinc; Total dissolved solids; Total nitrogen, nitrate-nitrogen, nitrite-nitrogen, ammonia-nitrogen; and Total phosphorus, phosphate.	mg/L		Six monthly

Note 1: In-field non-NATA accredited analysis permitted.

10. The Licence is amended by the deletion of the following Condition 3.1.1:

~~3.1.1 The Licensee shall complete the improvements in Table 3.1.1 by the date of~~

completion in Table 3.1.1.

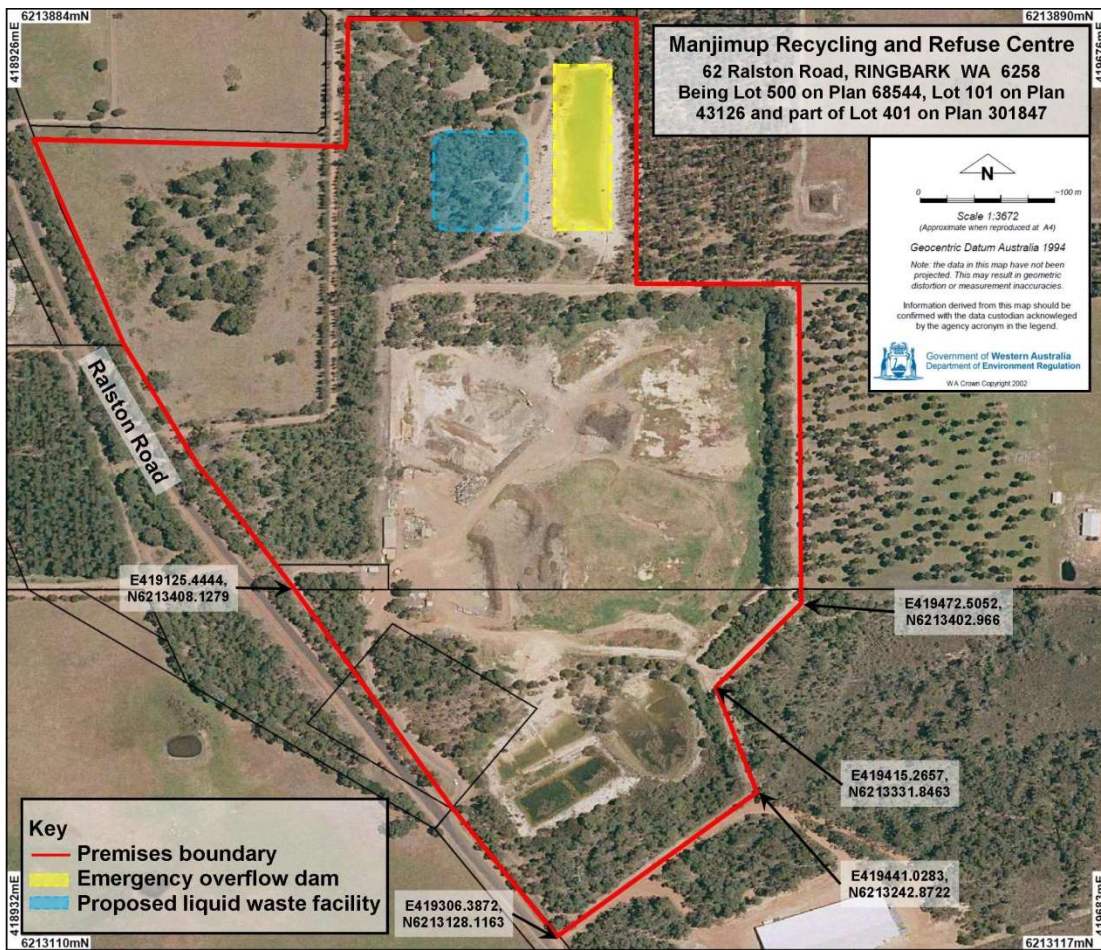
Table 3.1.1: Improvement program		
Improvement reference	Improvement	Date of completion
IR1	The Licensee shall prepare and submit in writing to the CEO an Asbestos Management Plan that is consistent with the DER Asbestos Guidelines. As a minimum the Asbestos Management Plan shall include; (a) Standard operational procedures for the pre-acceptance and acceptance of waste and how any asbestos detected on site will be managed; (b) Identification of each person's roles and responsibilities under the AMP; and (c) Procedures for detailing incidents or emergencies associated with asbestos.	31/08/2015
IR2	The Licensee shall prepare and submit in writing to the CEO a post closure management plan (PCMP) for the Premises. The submission shall include: (a) An assessment of the PCMP against the landfill guideline; and (b) Include justification where the PCMP deviates from the standards within the landfill guideline.	31/12/2016

11. Schedule 1: is amended by the insertion of the following maps and plans detailed by red text and shown in underline below.

Note: the existing Premises map is replaced with the following Premises Map. All other plans are additional.

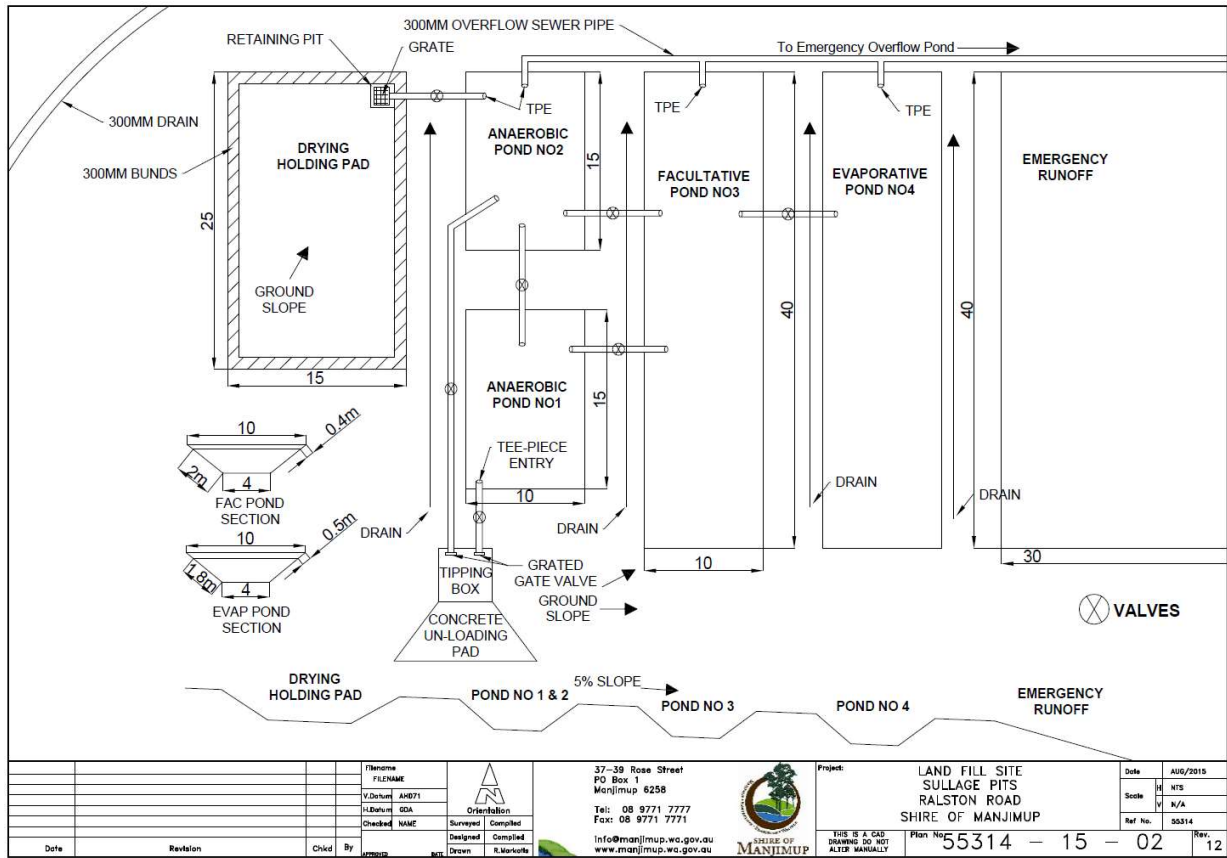
Premises map

The Premises is shown in the map below. The red line depicts the Premises boundary. Location of the liquid waste facility infrastructure is indicated by the blue shaded area; the liquid waste facility emergency overflow pond is indicated by the yellow shaded area.



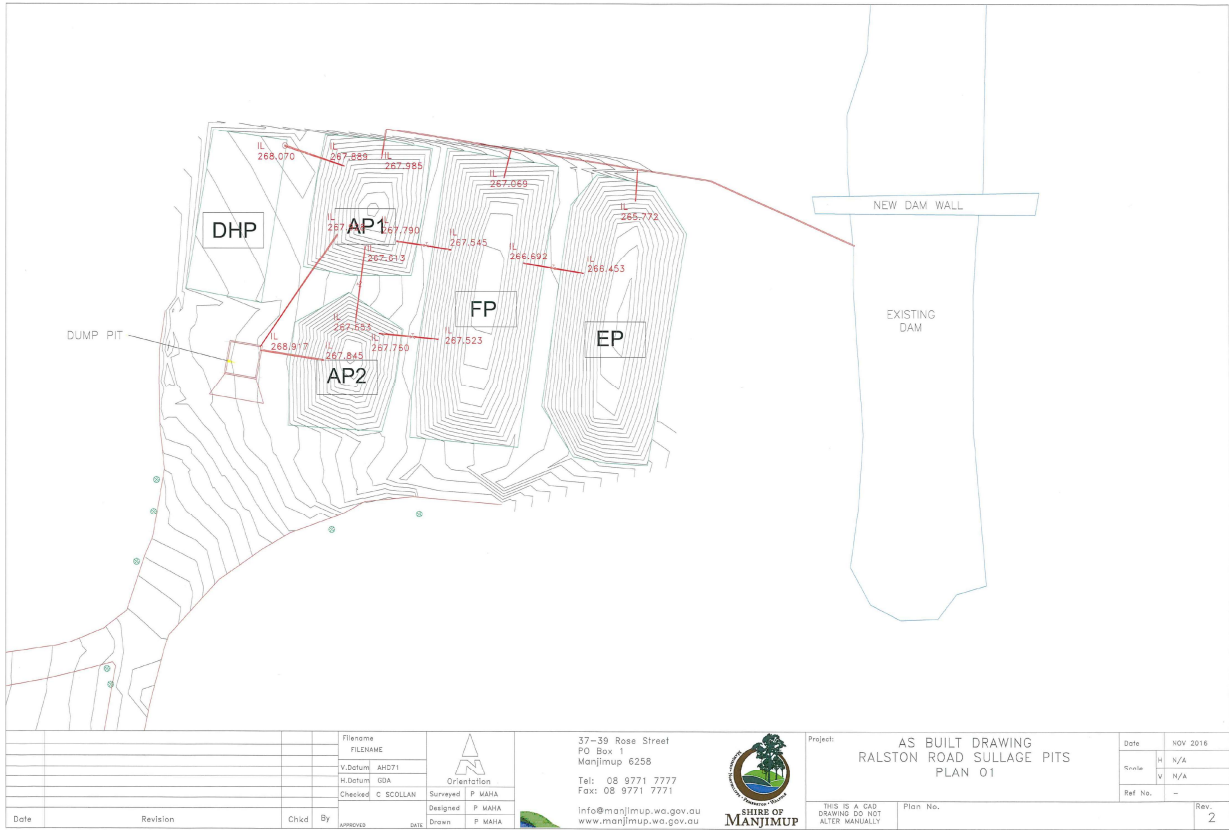
Liquid waste facility design

The liquid waste facility is depicted in the schematic below.

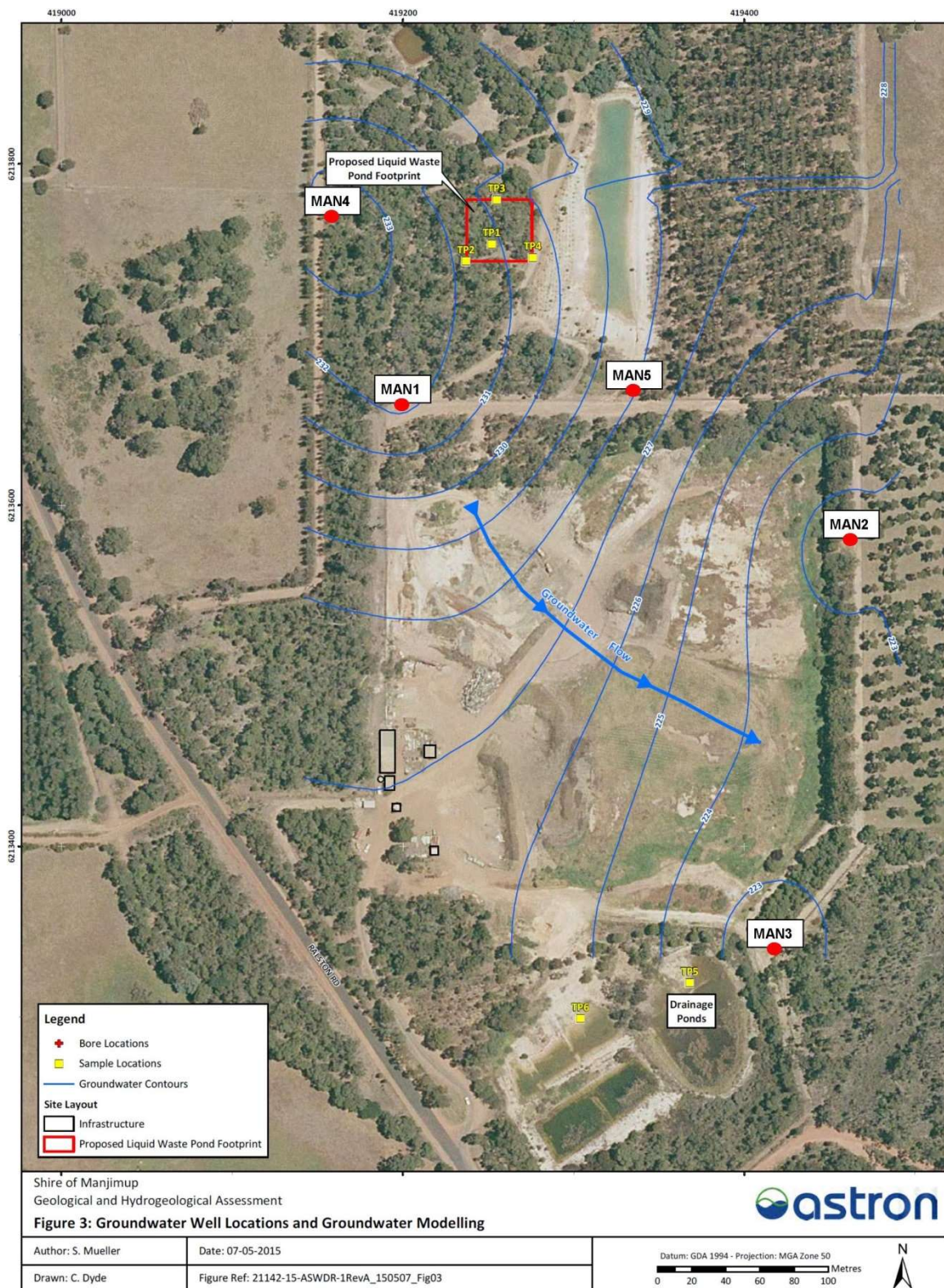


Liquid waste facility as constructed plans

The as constructed liquid waste facility is shown in the schematic below; red lines indicate the location of transfer and overflow pipes.



Liquid waste facility groundwater monitoring bore locations
 The groundwater monitoring locations are depicted by red dots below.



Appendix 1: Key documents

	Document title	Availability
1	Licence L7007/1997/11 - Manjimup Recycling and Refuse Centre	accessed at www.dwer.wa.gov.au
2	Works Approval W5892/2015/1 – Manjimup Recycling and Refuse Centre	DWER internal reference A1360267
3	Controlled waste category list	accessed at www.dwer.wa.gov.au
4	DER, July 2015. <i>Guidance Statement: Regulatory Principles</i> . Department of Environment Regulation, Perth.	accessed at www.dwer.wa.gov.au
5	DER, October 2015. <i>Guidance Statement: Setting Conditions</i> . Department of Environment Regulation, Perth.	
6	DER, February 2017. <i>Guidance Statement: Decision Making</i> . Department of Environment Regulation, Perth.	
7	DER, February 2017. <i>Guidance Statement: Risk Assessments</i> . Department of Environment Regulation, Perth.	

Appendix 2: Summary of Licence Holder comments

The Licence Holder was provided with the draft Amendment Notice on 15 October 2018 for review and comment. The Licence Holder responded on 6 November 2018. The following comments were received on the draft Amendment Notice.

Condition	Summary of Licence Holder comment	DWER response
Definitions	<p>The licensee requested the addition of definitions for 'averaging period' and 'spot sample', and the following amendment to freeboard:</p> <p>"the vertical distance between the maximum surface elevation in normal operations and the top of retaining banks or structures, including outflow pipes, at their lowest point."</p>	<p>Accepted with a slight amendment to 'freeboard' as specified in this Notice.</p> <p>The amendment made to the definition of freeboard provides further clarification whilst remaining consistent with definitions provided on instruments for similar facilities.</p> <p>This definition should be interpreted as the distance in height between the surface of liquid waste within the respective pond and the lowest point of the 'retaining banks or structures', at which point a pathway allowing liquid waste to escape containment infrastructure can occur.</p>
Table 4: Receptors and distance from activity boundary	Rectification of receptors adjacent to southern boundary	Accepted
Condition 1.3.17	Alternative method of adjusting emergency outlets from ponds to ensure freeboard is maintained and a greater duration to complete works. This will be completed by installing right angle upwards elbows, pipe extensions and caps on existing emergency outflow pipes. The extension to the evaporation pond is to not be capped.	Accepted