



Licence

Environmental Protection Act 1986, Part V

Licensee: Fremantle Plumbing Services Pty Ltd

Licence: L8730/2013/1

Registered office: c/o Gungor & Partners
 South Perth Enterprise Centre
 1st Floor Suites, 23-25
 219 Canning Highway
 SOUTH PERTH WA 6151

ACN: 008 737 068

Premises address: Fremantle Plumbing Service Pty Ltd
 107 Garling Street
 O'CONNOR WA 6163
 Being Lot 138 on Plan 6759 as depicted in Schedule 1

Issue date: Wednesday, 27 March 2013

Commencement date: Wednesday, 27 March 2013

Expiry date: Monday, 26 March 2018

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 produced on other premises (other than sewerage waste) is stored, reprocessed, treated or irrigated.	100 tonnes or more per year	40,950 tonnes per annual period

Conditions

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

Date signed: 25 September 2015

.....
Rebecca Kelly
 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

Fremantle Plumbing Services Pty Ltd provides plumbing services including maintenance, repairs and installation services to both industrial and commercial companies. Fremantle Plumbing also specialises in tank cleaning services where tanks are degassed and cleaned.

The premises is located in an area zoned for Industrial use within the City of Fremantle. The land is owned and occupied by Fremantle Plumbing Service. Approximately 40 metres to the north-east and 100 metres to the north-west of the premises are residential dwellings located within the City of Melville. The Environmental Protection Authority’s *Separation Distances between Industrial and Sensitive Land Uses No. 3*, does not state a recommended buffer distance for liquid waste treatment facilities.

Controlled Waste Disposals Pty Ltd, a subsidiary of Fremantle Plumbing Service is the holder of a Controlled Waste Licence and is licensed in accordance with the *Environmental Protection (Controlled Waste) Regulations 2004*. Previously only oils and emulsions and low strength wastewater was accepted, stored and treated on site and disposed to sewer with an Industrial Wastewater Permit with Water Corporation.

This amendment was requested by the proponent and as a result of works approval W5666/2014/1 to increase the throughput to 40,950 tonnes per annual period from 10,400 tonnes and to install oxygenation treatment system and replace one of the existing steel tanks with a polypropylene tank for acceptance and treatment of the following additional controlled waste categories:

- Paints and resins
- Engine coolants
- Surface acting agent (surfactant) wetting agent
- Acids
- Alkalis
- Miscellaneous (drilling mud)

The licences and works approvals issued for the Premises since the 18 January 2013 for the Premises are:

Instrument log		
Instrument	Issued	Description
W5289/2012/1	18/01/2013	Works approval to construct premises
L8730/2013/1	27/03/2013	Licence to operate premises
W5666/2014/1	7/08/2014	Works approval to install new wastewater treatment equipment
L8730/2013/1	8/10/2015	Licence amendment to increase throughput and additional controlled waste categories.

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 the same year;

'averaging period' means the time over which a limit or target is measured or a monitoring result is obtained;

'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

'controlled waste' has the definition in *Environmental Protection (Controlled Waste) Regulations 2004*;

'controlled waste category list' means the Department of Environment Regulation Controlled Waste Category list and defined in the *Environmental Protection (Controlled Waste) Regulations 2004*;

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

'Licence' means this Licence numbered L8730/2013/1 and issued under the Act;

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

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

'process equipment' means any wastewater or sludge containment infrastructure or wastewater treatment vessel;

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

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

'Waste Code' means the Waste Code assigned to a type of controlled waste for purposes of waste tracking and reporting as specified in the Department of Environment Regulation "Controlled Waste Category List" (July 2014), as amended from time to time;

'wastewater treatment vessels' means any vessel or tank containment infrastructure associated with the treatment of wastewater

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



- 1.1.4 Any reference to a guideline or code of practice in the Licence means the version of that guideline or code of practice in force from time to time, and shall include any amendments or replacements to that guideline or code of practice 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, except where storage is prescribed in section 1.3, shall ensure that environmentally hazardous materials are stored in accordance with the code of practice for the storage and handling of dangerous goods.
- 1.2.3 The Licensee shall immediately recover, or remove and dispose of spills of environmentally hazardous materials outside an engineered containment system.
- 1.2.4 The Licensee shall:
- (a) implement all practical measures to prevent stormwater run-off becoming contaminated by the activities on the Premises; and
 - (b) treat contaminated or potentially contaminated stormwater as necessary prior to being discharged from the Premises.¹

Note1: *The Environmental Protection (Unauthorised Discharges) Regulations 2004* make it an offence to discharge certain materials into the environment.

1.3 Premises operation

- 1.3.1 The Licensee shall only accept liquid waste on the Premises if:
- (a) it is of a type listed in Table 1.3.1;
 - (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	Waste code	Quantity Limit	Specification ¹
Acids	B100	250 tonnes per year	Acidic solutions accepted into a polypropylene tank.
Alkalis	C100	100 tonnes per year	Alkalis solutions accepted into the untreated wastewater storage tank
Paints & Resins	F100	50 tonnes per year	Only water-based paint brush and roller washings to be accepted in small drums
Oils	J130, J120, J100	30,000 tonnes per year	Oils accepted into the untreated wastewater storage tank
Industrial wash water	L150, L100	50 tonnes per year	Industrial wash water accepted into the untreated wastewater storage tank
Non halogenated organic chemicals (engine coolants)	M130	250 tonnes per year	Accepted in 20 KL batches and IBC's
Surfactants and detergents (wetting agents & emulsifiers)	M250	250 tonnes per year	Small volumes, IBC's or drum deliveries
Miscellaneous (drilling mud)	T120	10,000 tonnes per year	Accepted in water tight bulker bags into a bunded area

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

- 1.3.2 The Licensee shall ensure that where waste does not meet the waste acceptance criteria set out in condition 1.3.1 it is removed from the Premises by the delivery vehicle or, where that is not possible, stored in a segregated storage area or container and removed to an appropriately authorised facility as soon as practicable.
- 1.3.3 The Licensee shall ensure that the wastes accepted onto the Premises are only subjected to the process(es) 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
Alkalis	Receipt, handling, treatment and storage prior to disposal	Acids shall only be accepted into and stored in the polypropylene tank in a bunded hardstand area.
Paints & Resins		Alkalis, paints and resins, and oils shall only be accepted into and stored in steel tanks in a bunded hardstand area.
Oils		Paints and resins, alkalis, industrial washwater and oils to be treated by a wastewater treatment system which is to include plate separator and coalescing plate separator and electro-coagulation prior to discharge to sewer.
Industrial wash water		Sludge from the wastewater treatment system is to be stored in a tank located on hardstand area prior to removal offsite.



Table 1.3.2: Waste processing		
Waste type	Process	Process requirements
Non halogenated organic chemicals (engine coolants)	Receipt, handling, treatment and storage prior to disposal	Wastewater treatment system is to include ultra-violet, ozone and peroxide treatment prior to discharge to sewer.
Acids		
Surfactants and detergents (wetting agents & emulsifiers)	Receipt, handling, treatment and storage prior to disposal	Surfactants and detergents are to be accepted onto a bunded hardstand and then treated to a spadable consistency prior to removal off-site.
Miscellaneous (drilling mud)		Drilling mud is to be accepted onto a bunded hardstand and then treated to a spadable consistency prior to removal off-site.

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

Table 1.3.3: Containment infrastructure		
Vessel or compound	Material	Requirements
Bulk storage tanks	Liquid wastes	Permanent infrastructure to consist of a bulk storage tank within a bunded hardstand capable of containing 110% of the liquid and that includes a liquid waste collection sump.
Solids storage bays	Sludges and residual solid wastes	Permenant infrastructure to consist of a hardstand compound.

1.3.5 The Licensee shall manage the wastewater treatment vessels such that:

- (a) overtopping of the vessels does not occur; and
- (b) there is no discernible seepage loss from the vessels; and
- (c) sludge is prevented from accumulating in the vessels.

1.3.6 The Licensee shall ensure that wastes must be stored and processed in a manner that prevents incompatible wastes mixing.

1.3.7 The Licensee shall:

- (a) implement security measures at the site to prevent as far as is practical unauthorised access to the site; and
- (b) undertake regular inspections of all security measures and repair damage as soon as practicable; and
- (c) ensure the entrance gates are closed and locked when the site is closed or unmanned.



2 Monitoring

2.1 Monitoring of inputs and outputs

2.1.1 The Licensee shall undertake the monitoring in Table 3.1.1 according to the specifications in that table.

Table 2.1.1: Monitoring of inputs and outputs					
Input/Output	Monitoring point reference	Parameter	Units	Averaging period	Frequency
Untreated liquid waste	None specified	Weight or volume per waste type	m ³ /day	Monthly	Each load arriving at the Premises
Treated wastewater discharged to sewer	Sewer discharge point	Weight or volume per waste type	m ³ /day	N/A	Continuous
All solid wastes outputs	None specified	Weight or volume per waste type	m ³ /day	Monthly	Each load leaving the premises

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 28 calendar days after the end of the annual period. The report shall contain the information listed in Table 4.2.1 in the format or form specified in that table.

Table 3.2.1: Annual Environmental Report

Condition or table (if relevant)	Parameter	Format or form ¹
-	Summary of any failure or malfunction of any pollution control equipment and any environmental incidents that have occurred during the annual period and any action taken	None specified
3.1.3	Compliance	Annual Audit Compliance Report (AACR)
3.1.4	Complaints summary	None specified

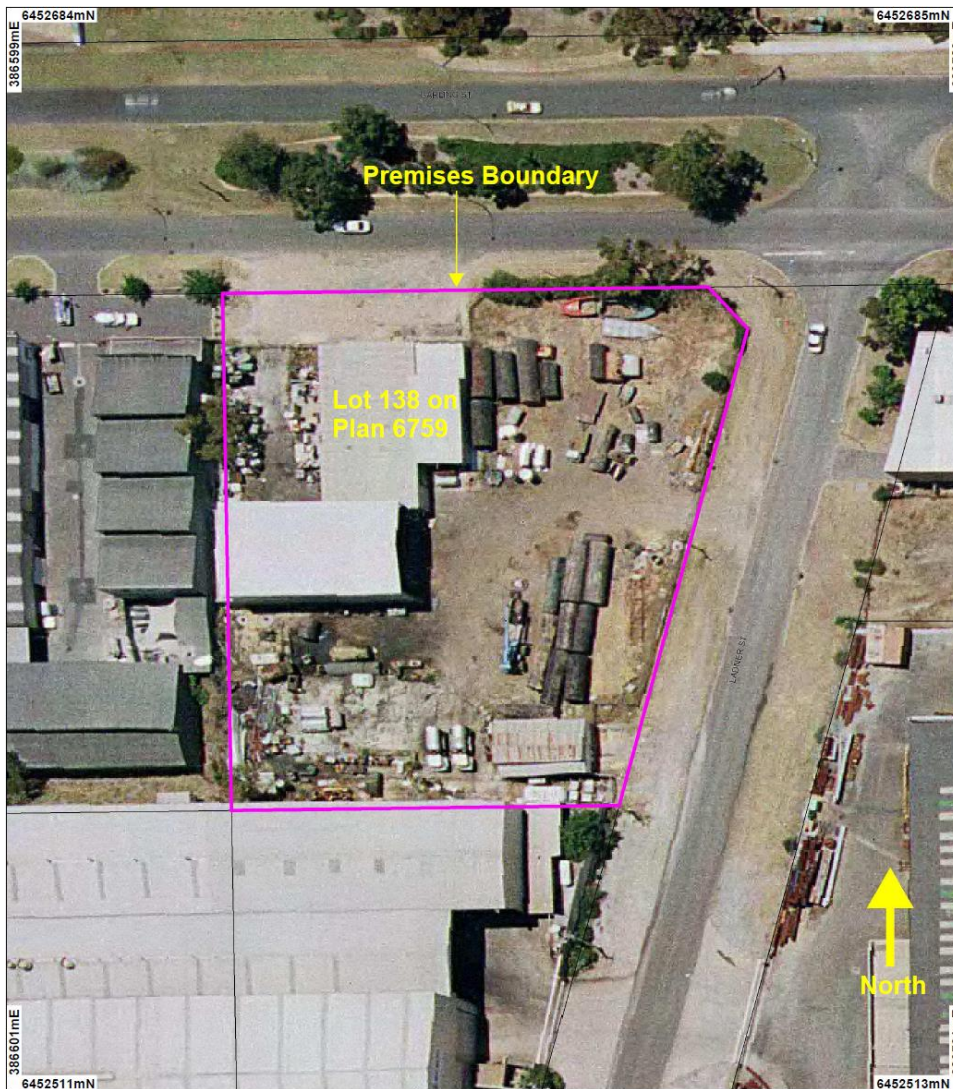
Note 1: Forms are in Schedule 2



Schedule 1: Maps

Premises map

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





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:	ABN:
Trading as:	
Reporting period: _____ to _____	

STATEMENT OF COMPLIANCE WITH LICENCE CONDITIONS

- 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: L8730/2013/1
 Form: N1

Licensee: Fremantle Plumbing Services Pty Ltd
 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	Fremantle Plumbing Services Pty Ltd
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 Fremantle Plumbing Services Pty Ltd	
Date	



Decision Document

Environmental Protection Act 1986, Part V

Proponent: Fremantle Plumbing Services Pty Ltd

Licence: L8730/2013/1

Registered office: c/o Gungor & Partners
South Perth Enterprise Centre
1st Floor Suites, 23-25
219 Canning Highway
SOUTH PERTH WA 6151

ACN: 008 737 068

Premises address: Fremantle Plumbing Service Pty Ltd
107 Garling Street
O'CONNOR WA 6163
Being Lot 138 on Plan 6759

Issue date: Wednesday, 27 March 2013

Commencement date: Wednesday, 27 March 2013

Expiry date: Monday, 26 March 2018

Decision

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

Decision Document prepared by: Josephine Tuohy
Licensing Officer

Decision Document authorised by: Rebecca Kelly
Manager Licensing



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1 Purpose of this Document

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

2 Administrative summary

Administrative details		
Application type	Works Approval <input type="checkbox"/>	
	New Licence <input type="checkbox"/>	
	Licence amendment <input checked="" type="checkbox"/>	
	Works Approval amendment <input type="checkbox"/>	
Activities that cause the premises to become prescribed premises	Category number(s)	Assessed design capacity
	61	40,950 tonnes per annual period
Application verified	Date: N/A	
Application fee paid	Date: N/A	
Works Approval has been complied with	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/> N/A <input type="checkbox"/>
Compliance Certificate received	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/> N/A <input type="checkbox"/>
Commercial-in-confidence claim	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Commercial-in-confidence claim outcome		
Is the proposal a Major Resource Project?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Was the proposal referred to the Environmental	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/> Referral decision No:



Protection Authority (EPA) under Part IV of the <i>Environmental Protection Act 1986</i> ?		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 type="checkbox"/>
Is the Premises within an Environmental Protection Policy (EPP) Area Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Environmental Protection Swan Coastal Plain Lakes Policy 1992		
Is the Premises subject to any EPP requirements? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		

3 Executive summary of proposal and assessment

Fremantle Plumbing Services Pty Ltd provides plumbing services including maintenance, repairs and installation services to both industrial and commercial companies. Fremantle Plumbing also specialises in tank cleaning services where tanks are degassed and cleaned.

The premises is located in an area zoned for Industrial use within the City of Fremantle. The land is owned and occupied by Fremantle Plumbing Service. Approximately 40 metres to the north-east and 100 metres to the north-west of the premises are residential dwellings located within the City of Melville. The Environmental Protection Authority's *Separation Distances between Industrial and Sensitive Land Uses No. 3*, does not state a recommended buffer distance for liquid waste treatment facilities.

Controlled Waste Disposals Pty Ltd, a subsidiary of Fremantle Plumbing Service is the holder of a Controlled Waste Licence and is licensed in accordance with the Environmental Protection (Controlled Waste) Regulations 2004. Previously only oils and emulsions and low strength wastewater was accepted, stored and treated on site and disposed to sewer with an Industrial Wastewater Permit with Water Corporation.

This amendment was requested by the proponent and as a result of works approval W5666/2014/1 to increase the throughput to 40,950 tonnes per annual period from 10,400 tonnes and to install oxygenation treatment system and replace one of the existing steel tanks with a polypropylene tank for acceptance and treatment of the following additional controlled waste categories:

- Paints and resins
- Engine coolants
- Surface acting agent (surfactant) wetting agent
- Acids
- Alkalis
- Miscellaneous (drilling mud)



The current wastewater treatment process:

Oily waters accepted at the premises are placed into an untreated wastewater holding tank. The premises is currently fitted with a plate separator that utilises Stokes law to aggregate and separate oil droplets down to microscopic size using frictional and gravitational drag on the oil particles within the water.

Any liquid hydrocarbons will be transferred to the hydrocarbon storage tank with any residual water being pumped into the untreated wastewater holding tank. The oily waters within the untreated wastewater holding tanks will be treated by the coalescing plate separator and electro-coagulation in series. The process of electro-coagulation results in an electrical current being passed through the liquid waste which removes most suspended materials from the liquid through flocculation and coagulation of the solids. The treated waste will be transferred to the treated wastewater holding tank for testing. The treated wastewater will then be discharged to the Water Corporation sewer under permit number 12574.

Paints and resins, acids, and alkalis will be treated through the existing wastewater treatment process. Drilling mud will be received in water tight bulker bags, excess water will be drained and treated through the existing wastewater treatment process. Solid wastes will be treated to a spadable consistency and accumulated within a bunded concrete hardstand compound prior to disposal to an appropriately licensed landfill.

Waste oils removed from water are stored within an impermeable bunded compound awaiting collection from oil recyclers.

The new wastewater treatment process:

Fremantle Plumbing Service has constructed an additional custom made wastewater treatment equipment that has been installed within the existing shed to treat raw used glycol (waste code M130). The glycol is transported on site in an intermediate bulk container (ICB). The ICB is filled with stock waste glycol to full volume, to allow for an anaerobic phase of microbial digestion to run. The digested glycol then goes through a bag filter and sand filter, before entering an electro-coagulation process to remove metals. The de-metalled glycol then undergoes aerobic digestion, ozonation and UV treatment. Microbial activity of water is assessed by BOD measurements, and disposal to sewer occurs following 5 day BOD assessments showing decline in BOD. An approximate physical layout of these activities are shown in Appendix A.

Information provided by the applicant indicates that the wastewater discharged to sewer will meet the requirements of Water Corporation's Acceptance criteria for trade waste – Information sheet 6. The removed heavy metals, microbial biomass and spent/clogged filter media will be taken offsite to an appropriate landfill or used for organic composting.

Potential emissions and discharges:

The following potential emissions and discharges have been identified based on the description of site operations presented in the licence amendment application:

- odour effecting the surrounding community
- potentially contaminated stormwater discharged into the environment
- controlled waste discharged into the environment from a spill due to inadequate controls and / or poor site management practices.

These emissions have been assessed through the Decision Document and conditions have been included as required for management and monitoring of emissions and discharges.

As a part of this amendment the Licence has been updated to the most recent template and the conditions of the licence have been updated to reflect the acceptance of the additional liquid waste categories.



4 Decision table

All applications are assessed in line with the *Environmental Protection Act 1986*, the *Environmental Protection Regulations 1987*, DEC's Policy Statement - Limits and targets for prescribed premises (2006), and DER's Operational Procedure on Assessing Emissions and Discharges from Prescribed Premises. Where other references have been used in making the decision they are detailed in the decision document.

DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L = Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
General conditions	L1.2.3 L1.2.4	<p><u>Emission Description</u> <i>Emission:</i> Stormwater contaminated with various controlled waste from operations. The licence amendment increases the volume of liquid waste that is brought onto the premises. <i>Impact:</i> Contamination of surrounding land and surface water drainage systems. Potential impacts on ecology of surface water and land from the addition of environmentally hazardous materials. <i>Controls:</i> The proponent proposes to have licensed controlled waste tankers enter the premises and drive onto a graded hardstand area. Liquid wastes will be pumped directly into a holding tank through a connected and fully enclosed hose system within a designated bunded compound.. The site currently has sufficiently bunded compounds to store hazardous wastes. All potentially contaminated stormwater and process water will be collected in sumps that will be directed back into the wastewater treatment plant and treated to an acceptable level before being discharged to sewer with an Industrial Wastewater Permit with Water Corporation. Drilling mud, surfactants and detergents will be stored within a bin that is located on a concrete hardstand. These materials will be treated (with saw dust) to a spadable consistency prior to being taken off-site to a suitably licensed facility.</p> <p><u>Risk Assessment</u> <i>Consequence:</i> Minor <i>Likelihood:</i> Unlikely</p>	<p><i>Environmental Protection Act 1986</i></p> <p><i>Environmental Protection (Unauthorised Discharge) 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
		<p><i>Risk Rating: Moderate</i></p> <p><u>Regulatory Controls</u> Condition 1.2.3 requires the Licensee to recover, remove or dispose of any spills outside an engineered containment system.</p> <p>Condition 1.2.4 on the existing licence is to ensure contaminated stormwater is not discharged to the environment.</p> <p>Condition 1.3.5 specifies that the wastewater treatment vessels are managed in a way that prevents overflowing, seepage loss or sludge build up to prevent poor performance of the waste water treatment system resulting in a discharge of waste.</p> <p><u>Residual Risk</u> <i>Consequence: Minor</i> <i>Likelihood: Rare</i> <i>Risk Rating: Low</i></p>	
Premises operation	L1.3.1 L1.3.2 L1.3.3 L1.3.4 L1.3.5	<p>Condition 1.3.1 outlines the types of wastes that can be accepted at the premises and has been amended to include the new waste types and their specifications. This condition limits the waste that can be accepted to only the types and their specifications that have been assessed as part of the licence amendment application.</p> <p>Condition 1.3.2 requires that any waste types that do not meet the acceptance criteria of condition 1.3.1 are removed from the premises or stored in a segregated storage area prior to removal as soon as possible.</p> <p>Condition 1.3.3 outlines the processing requirements for each waste type and has been amended to include the new waste types and their process</p>	<p><i>Environmental Protection Act 1986</i></p> <p><i>Environmental Protection (Controlled Waste) Regulations 2004</i></p> <p>Department of Environment Regulation 'Controlled Waste</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>requirements. This condition limits the processing that can occur to the processes that have been assessed as part of the licence amendment application.</p> <p>Condition 1.3.4 outlines the containment infrastructure requirements for vessels or compounds on the premises. This condition requires storage to occur in the manner that has been assessed as part of the licence amendment application.</p> <p>Condition 1.3.5 outlines how waste water treatment vessels must be managed and is risk assessed under the general conditions section above.</p> <p>Condition 1.3.6 requires that waste types are stored and processed in a manner that prevents incompatible waste types mixing. The premises accepts a number of waste types which have the potential to be reactive if allowed to mix and therefore pose a risk to environment or public health. This condition requires storage and processing in a manner which prevents this from occurring.</p> <p>Condition 1.3.7 requires that the licensee implement security measures to prevent unauthorised access to the premises. The premises is permitted to accept waste types which pose an environmental risk if not managed appropriately. Security measures are also intended to prevent unauthorised disposal of waste types not permitted at the premises.</p>	Category List' April 2015
Fugitive Emissions	N/A	Fugitive emissions are not anticipated from the premises as only liquid wastes are accepted. Condition 2.6.1 in the previous licence relating to general fugitive emissions has been removed. Fugitive emissions are adequately regulated under the general provisions of the <i>Environmental Protection Act 1986</i> .	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
Odour	N/A	<p><u>Emission Description</u> <i>Emission:</i> Odour potentially generated from receipt of hydrocarbon and acid controlled waste. <i>Impact:</i> Potential impacts on surrounding residents receiving nuisance odours. <i>Controls:</i> Controlled waste will be delivered on site and discharged into holding tank through a connected and fully enclosed system.</p> <p><u>Risk Assessment</u> <i>Consequence:</i> Insignificant <i>Likelihood:</i> Unlikely <i>Risk Rating:</i> Low</p> <p><u>Regulatory Controls</u> Odour emissions are adequately regulated under the provision of the <i>Environmental Protection Act 1986</i>. Condition 2.7.1 of the previous licence has been removed.</p> <p><u>Residual Risk</u> <i>Consequence:</i> Insignificant <i>Likelihood:</i> Unlikely <i>Risk Rating:</i> Low</p>	General provisions of the <i>Environmental Protection Act 1986</i>
Noise	N/A	<p><u>Emission Description</u> <i>Emission:</i> Noise potentially generated from an increase in truck deliveries and operational activities from the increase in throughput. <i>Impact:</i> Potential impacts on surrounding residents receiving noise. <i>Controls:</i> The site is located within an industrial area and the site will only be operating during normal working hours of 0730 to 1700 Monday to Friday.</p>	<i>Environmental Protection (Noise) Regulations 1997</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>Risk Assessment</u> <i>Consequence:</i> Insignificant <i>Likelihood:</i> Unlikely <i>Risk Rating:</i> Low</p> <p><u>Regulatory Controls</u> Noise emissions will be regulated under the <i>Environmental Protection (Noise) Regulations 1997</i>. No specific licence conditions have been added to the licence.</p> <p><u>Residual Risk</u> <i>Consequence:</i> Insignificant <i>Likelihood:</i> Unlikely <i>Risk Rating:</i> Low</p>	
Monitoring of inputs and outputs	L2.1.1	Condition 2.1.1 has been included in this amended licence to ensure that the monitoring of inputs and outputs are recorded and submitted in the Annual Environmental Report.	N/A
Licence Duration	N/A	The premises is considered low risk and the licence duration has not changed as part of this amendment.	N/A



5 Advertisement and consultation table

Date	Event	Comments received/Notes	How comments were taken into consideration
25/09/2015	Proponent sent a copy of draft instrument	No comments	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



Appendix A

