



LICENCE FOR PRESCRIBED PREMISES *Environmental Protection Act 1986*

LICENCE NUMBER: L8021/2003/5

FILE NUMBER: 2011/009091

LICENSEE

Water Corporation
629 Newcastle Street
LEEDERVILLE WA 6007
ABN: 28 003 434 917

PREMISES

Walpole Wastewater Treatment Plant
Lot 13772 on Plan 29805, Chugg Street
WALPOLE WA 6398
Being Lot 13772 on Plan 29805 as depicted in Schedule 1

PRESCRIBED PREMISES CATEGORY

Schedule 1 of the *Environmental Protection Regulations 1987*

CATEGORY NUMBER	CATEGORY DESCRIPTION	CATEGORY PRODUCTION OR DESIGN CAPACITY	PREMISES PRODUCTION OR DESIGN CAPACITY
54	Sewage facility premises – (a) on which sewage is treated (excluding septic tanks); or (b) from which treated sewage is discharged onto land or into waters.	100 cubic metres or more per day	200 cubic metres per day

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*

ISSUE DATE Monday, 26 October 2015
COMMENCEMENT DATE: Sunday, 1 November 2015
EXPIRY DATE: Saturday, 31 October 2016

CONDITIONS OF LICENCE

Environmental Protection Act 1986

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FILE NUMBER: 2011/009091

DEFINITIONS

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

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

'AHD' means the Australian height datum;

'Allen Road Irrigation Treefarm' means the location Lot 11684 and Lot 11685 on Plan 157152, Allen Road, Walpole Western Australia as defined in the Premises Map in Schedule 1;

'applicable guidelines and standards' means:

- i) Australian and New Zealand Environment and Conservation Council and Agricultural and Resource Management Council of Australia and New Zealand 2000, *Australian and New Zealand guidelines for fresh and marine water quality Volume 1*, specifically the values for a south-west Australian slightly disturbed ecosystem lowland river and estuaries (Table 3.3.6); and
- ii) Department of Environment and Conservation 2010, Contaminated site management series assessment levels for soils sediment and water, Government of Western Australia;

'AS/NZS 2031' means the Australian Standard AS/NZS 2031 *Selection of containers and preservation of water samples for microbiological analysis*;

'AS/NZS 5667.1' means the Australian Standard AS/NZS 5667.1 *Water Quality – Sampling – Guidance of the Design of sampling programs, sampling techniques and the preservation and handling of samples*;

'AS/NZS 5667.6' means the Australian Standard AS/NZS 5667.6 *Water Quality – Sampling – Guidance on sampling of rivers and streams*;

'AS/NZS 5667.10' means the Australian Standard AS/NZS 5667.10 *Water Quality – Sampling – Guidance on sampling of waste waters*;

'AS/NZS 5667.11' means the Australian Standard AS/NZS 5667.11 *Water Quality – Sampling – Guidance on sampling of groundwaters*;

'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

'Water Corporation Environmental Improvement Program Upgrade Works' means the document titled *Water Corporation Environmental Improvement Program Upgrade Works*, provided to the Department of Environment Regulation on 4 June 2014;

'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;

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'Licence' means this Licence numbered L8021/2003/5 and issued under the Act;

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

'malfunction' means to fail to work or operate correctly and includes the failure or incorrect operation of any part of the wastewater treatment system;

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

'Premises' means the area defined in the Premises Map and labeled Walpole Wastewater Treatment System in Schedule 1 and listed as the Premises address on page 1 of the Licence;

'quarterly' means the 4 inclusive periods from 1 July to 30 September, 1 October to 31 December and in the following year, 1 January to 31 March and 1 April to 30 June;

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

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

'spot sample' means a discrete sample representative at the time and place at which the sample is taken;

'storage dam' means the dam located at the Allen Road Irrigation Treefarm;

'treated wastewater' means wastewater that has been treated by the wastewater treatment system; and

'wastewater treatment system' means the system from treating wastewater at the Premises which comprises of the macerator or spiral screw screen, bioselector, alum and caustic dosing, intermittent decant extended aeration, aerobic digester, equalisation and geobag sludge drying with leachate return and all pumps.

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GENERAL CONDITIONS

- 1) 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.
- 2) 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.
- 3) 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.
- 4) The Licensee shall:
 - (a) ensure any waste accepted to the inlet works on to the Premises is sewage waste from the reticulated sewerage system; and
 - (b) not cause or allow the acceptance of wastewater to the Premises greater than the limit of 200 m³/ day as measured at reference point M1 (as depicted in Schedule 1).
- 5) The Licensee shall manage the wastewater treatment system such that:
 - (a) overtopping of the wastewater treatment vessels does not occur;
 - (b) overtopping of the hardstand for sludge/geobag dewatering does not occur;
 - (c) there is no discernible seepage loss from the wastewater treatment vessels;
 - (d) there is no discernible seepage loss from the hardstand for sludge/geobag dewatering;
 - (e) leachate from the hardstand for sludge/geobag dewatering is returned to the wastewater treatment system; and
 - (f) the volumetric flow meters located at the monitoring locations M1, M2 and M5 as depicted in Schedule 1 are maintained to the manufacturers specifications.

EMISSIONS TO LAND

- 6) The Licensee shall only direct:
 - (a) treated wastewater via the effluent pressure main from the treated effluent pumps to the storage dam as depicted in Schedule 1; or
 - (b) wastewater from the wastewater treatment system to the infiltration trench as depicted in Schedule 1 in a breakdown or emergency situation.

MONITORING CONDITIONS

- 7) The Licensee shall undertake the monitoring in Table 2 according to the specifications in Table 2.

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Table 2: Sampling locations, parameters, frequencies and methods				
Sampling location	Sampling location description	Parameters to be analysed ¹	Sampling frequency	Method
M1 and M2 (as depicted in Schedule 1)	Inflow and outflow to wastewater treatment plant	Volumetric flow rate (cumulative) ²	Continuous	None specified
M3 (as depicted in Schedule 1)	Discharge from the IDEA plant to the equalisation tank	pH ²	Monthly (Spot Sample)	AS/NZS 2031; AS/NZS 5667.1; and AS/NZS 5667.10
		Ammonium (NH ₄)		
		Nitrate + nitrite – nitrogen		
		Total aluminium		
		Total biochemical oxygen demand		
		Total dissolved solids		
		Total nitrogen		
		Total phosphorus		
M4 (as depicted in Schedule 1)	Outlet from under-storage dam drainage	Total dissolved solids	Monthly (Spot Sample when flowing)	AS/NZS 2031; AS/NZS 5667.1; and AS/NZS 5667.10
		Total nitrogen		
		Total phosphorus		
M5 (as depicted in Schedule 1)	Discharge from the storage dam to the irrigation area	Volumetric flow rate (cumulative) ²	Continuous	None specified
		<i>Escherichia coli</i>	Monthly (Spot Sample)	AS/NZS 2031; AS/NZS 5667.1; and AS/NZS 5667.10
		pH ²		
		Ammonium (NH ₄)		
		Nitrate + nitrite – nitrogen		
		Total aluminium		
		Total biochemical oxygen demand		
		Total dissolved solids		
		Total nitrogen		
		Total phosphorus		
Total suspended solids				

Note 1: With the exception of pH, *E. coli* and volumetric flow rate all measurements are to be reported in mg/L.

Note 2: In-field non-NATA accredited analysis permitted.

- 8) The Licensee shall undertake the ambient environmental monitoring in Table 3 according to the specifications in Table 3.

Table 3: Sampling locations, parameters, frequencies and methods				
Sampling location	Sampling location description	Parameters to be analysed ¹	Sampling frequency	Method
GQ1, GQ2, GQ3 and GQ4 (as depicted in Schedule 1)	Groundwater bore monitoring	pH ²	Quarterly	AS/NZS 5667.1; and AS/NZS 5667.11
		Standing water level (metres AHD) ²		
		Total dissolved solids		
		Total nitrogen		
		Total phosphorus		

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WQ1 and WQ2 (as depicted in Schedule 1)	Surface water monitoring	pH ²	Monthly (Spot Sample when flowing)	AS/NZS 5667.1; and AS/NZS 5667.6'
		<i>Escherichia coli</i>		
		Total biochemical oxygen demand		
		Total dissolved solids		
		Total nitrogen		
		Total phosphorus		
Total suspended solids				

Note 1: With the exception of pH, *E. coli* and SWL (metres AHD), all measurements are to be reported in mg/L.

Note 2: In-field non-NATA accredited analysis permitted.

- 9) The Licensee shall ensure that all laboratory samples are submitted to and tested by a laboratory with current NATA accreditation for the parameters being measured unless indicated otherwise in Table 2 and 3.

IMPROVEMENT PROGRAM

- 10) The Licensee shall complete the improvements in Table 4 by the date of completion in Table 4.

Table 4: Improvement Program		
Improvement reference	Improvement	Date of completion
IR1	The Licensee shall submit to the CEO a decommissioning management plan for the Premises and infiltration trench which: <ol style="list-style-type: none"> 1) details the removal of all plant and infrastructure; 2) details the rehabilitation of disturbed areas; 3) identifies areas of potential contamination requiring further investigation; 4) assesses estuary, groundwater and surface water quality and vegetation health within areas impacted by the operation of the Premises and the Allen Road Irrigation Treefarm; and 5) details how the decommissioning management plan is incorporated within the Environmental Management System for the Premises. 	No less than 12 months prior to the planned commencement of decommissioning

REPORTING

- 11) The Licensee shall submit the information in Table 5 to the Director according to the specifications in Table 5.

Table 5: Non-annual reporting and notification requirements				
Condition and/ or table	Parameter	Notification requirement	Reporting period	Reporting date (after the end of the reporting period)
Condition 4	Limit exceedances	None applicable	Monthly	7 calendar days
Condition 6(b)	Discharge to the infiltration trench	As soon as practicable but no later than 5pm of the next working day	None applicable	None applicable
-	Any failure or malfunction or any incident which has caused, is causing or may cause pollution	As soon as practicable but no later than 5pm of the next working day	None applicable	None applicable

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ANNUAL ENVIRONMENTAL REPORT

- 12) The Licensee shall by **1 September** in each year, submit to the CEO an Annual Environmental Report for the conditions of this Licence and any previous licence issued under Part V of the Act for the Premises, during the period beginning **1 July** the previous year and ending **30 June** in that year. The report shall contain:
- (a) a discussion of the operation of the project, compliance with conditions and its environmental performance to date;
 - (b) all monitoring data or other collected data required by any condition of this Licence (data shall be provided in tables and in graphical format displaying a minimum of five year data trends where available);
 - (c) a summary of discharges to the irrigation trench including the dates that the discharge occurred and the volumes discharged;
 - (d) an assessment of all monitoring data against any targets, limits and applicable guidelines and standards detailed within this Licence;
 - (e) any changes to site boundaries, locations of monitoring sites, surface drainage channels, tenure and maintenance upgrades to the Premises;
 - (f) a list of any monitoring methods used to collect and analyse data required by any condition of this Licence;
 - (g) the monthly load (as kilograms per day) of the parameters in the wastewater discharged from the Allen Road Irrigation Treefarm using monthly average flow-weighted data and parameter concentrations, as measured in accordance with Condition 9, Table 2; and
 - (h) a summary of the number and type of environmental complaints received by the Licensee

ANNUAL AUDIT COMPLIANCE REPORT

- 13) The Licensee shall by **1 September** in each year, provide to the CEO an Annual Audit Compliance Report in the form in Schedule 2 to this Licence, signed and certified in the manner required by Section A, B and C of the form, indicating the extent to which the Licensee has complied with the conditions of this Licence, and any previous licence issued under Part V of the Act for the Premises, during the period beginning **1 July** the previous year and ending on **30 June** in that year.

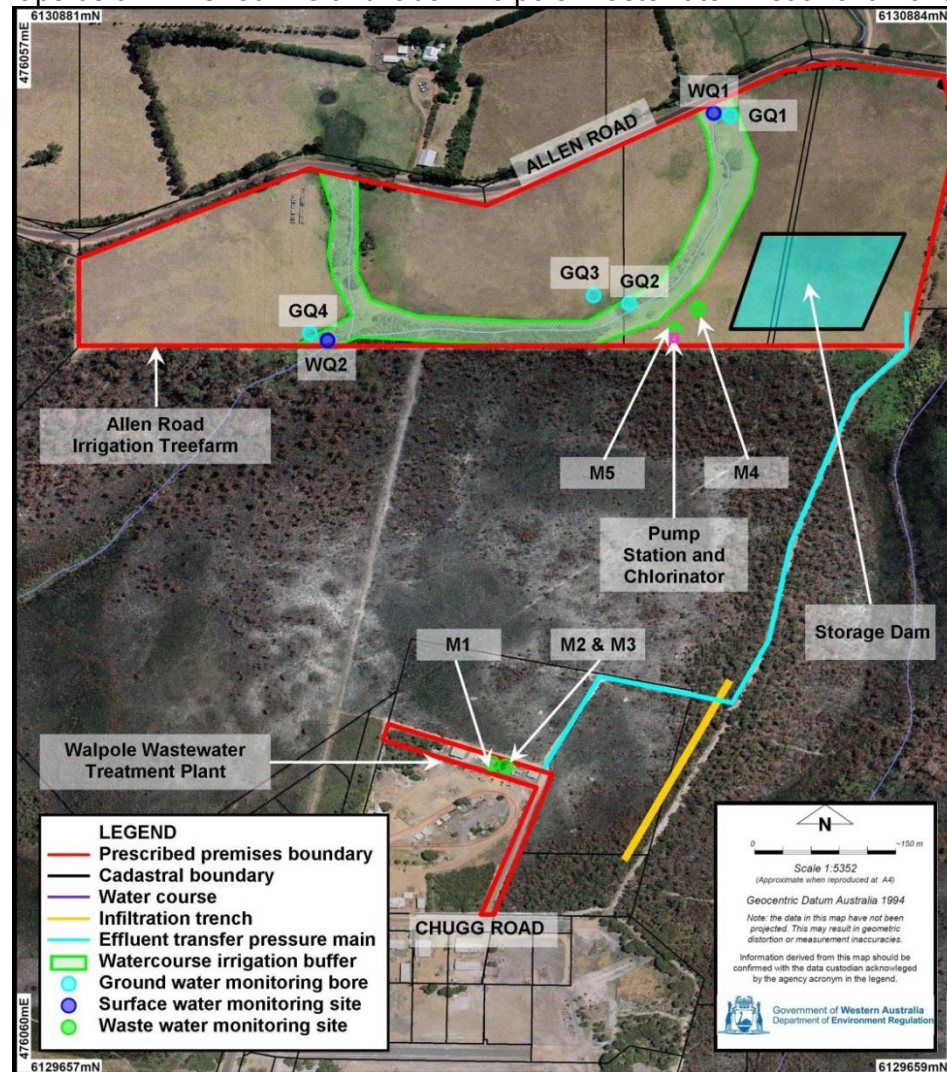
SCHEDULE 1

LICENCE NUMBER: L8021/2003/4

FILE NUMBER: 2011/009091

WALPOLE WASTEWATER TREATMENT PLANT PRESCRIBED PREMISES MAP

The Premises is shown in the maps below. The red line and label 'Walpole Wastewater Treatment Plant' depicts the Premises boundary.

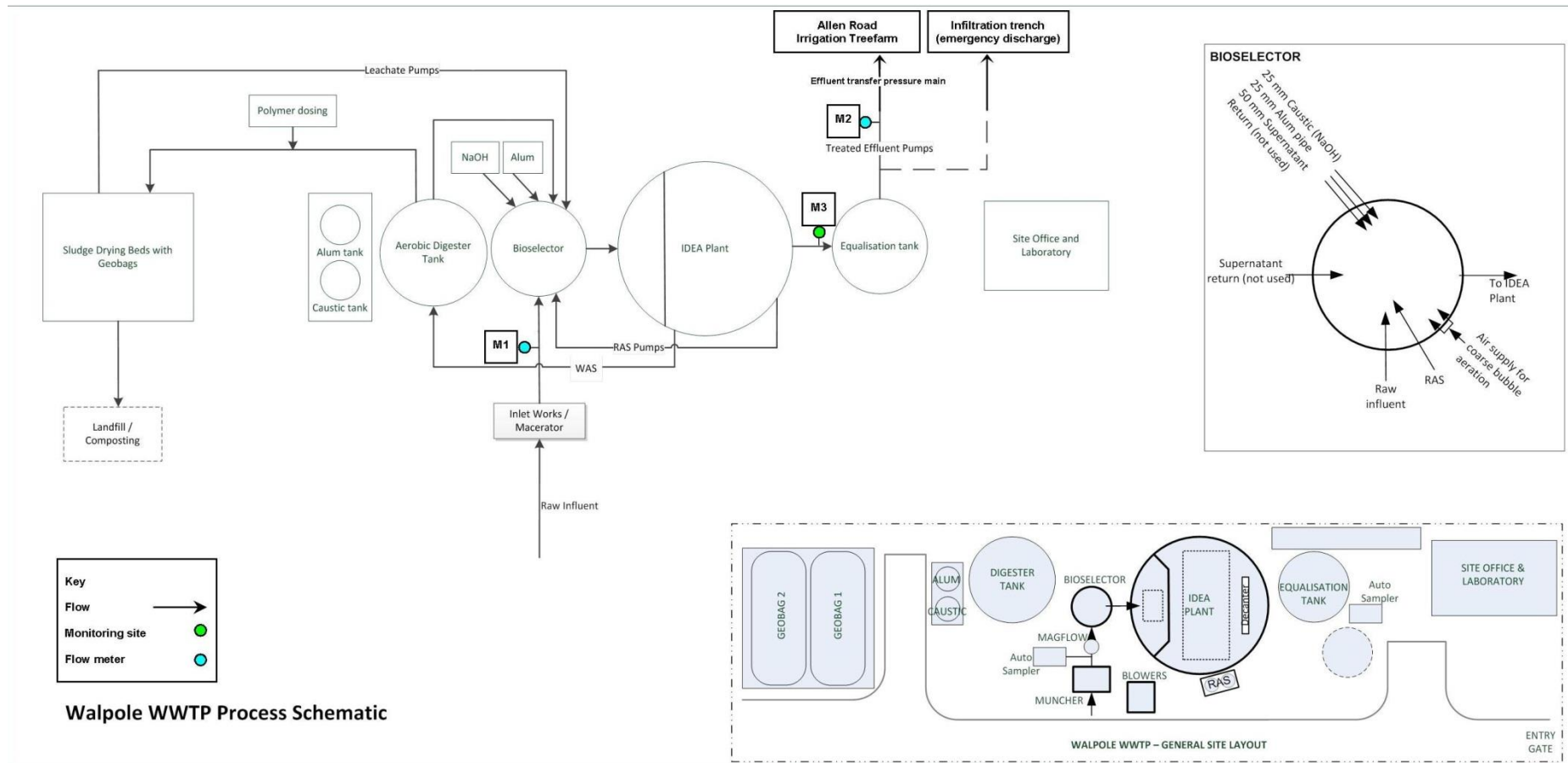


SCHEDULE 1

LICENCE NUMBER: L8021/2003/4

FILE NUMBER: 2011/009091

WALPOLE WASTEWATER TREATMENT PLANT PREMISES INFRASTRUCTURE SCHEMATIC



SCHEDULE 2
ANNUAL AUDIT COMPLIANCE REPORT

SECTION A

LICENCE DETAILS

Licence Number: L8021/2003/4	Licence File Number: 2011/009091
Company Name: Water Corporation	ABN: 28 003 434 917
Trading as:	
Reporting period: _____ to _____	

STATEMENT OF COMPLIANCE WITH LICENCE CONDITIONS

1. Were all conditions of 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 initialed by the person(s) who signs Section C of this annual audit compliance report

INITIAL: _____

SCHEDULE 2

SECTION B

DETAILS OF NON-COMPLIANCE WITH LICENCE CONDITION.

Please use a separate page for each licence condition that was not complied with.

a) Licence condition not complied with?	
b) Date(s) when the non compliance occurred, if applicable?	
c) Was this non compliance reported to DER?	
<input type="checkbox"/> Yes <input type="checkbox"/> Reported to DER verbally Date _____ <input type="checkbox"/> Reported to DER in writing Date _____	<input type="checkbox"/> No
d) Has DER taken, or finalised any action in relation to the non compliance?	
e) Summary of particulars of compliance non compliance, and what was the environmental impact?	
f) If relevant, the precise location where the non compliance occurred (attach map or diagram)	
g) Cause of non compliance	
h) Action taken or that will be taken to mitigate any adverse effects of the non compliance	
i) Action taken or that will be taken to prevent recurrence of the non compliance	

Each page must be initialed by the person(s) who signs Section C of this annual audit compliance report

INITIAL: _____

SCHEDULE 2

SECTION C

SIGNATURE AND CERTIFICATION

This Annual Audit Compliance Report may only be signed by a person(s) with legal authority to sign it. The ways in which the Annual Audit Compliance Report 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 Annual Audit Compliance Report 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 Corporations Act 2001; 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: _____

NAME:
(printed) _____

POSITION: _____

DATE: ____/____/____

SIGNATURE: _____

NAME:
(printed) _____

POSITION: _____

DATE: ____/____/____

SEAL (if signing under seal)



Decision Document

Environmental Protection Act 1986, Part V

Proponent: Water Corporation

Licence: L8021/2003/5

Registered office: 629 Newcastle Street
LEEDERVILLE WA 6007

Premises address: Walpole Wastewater Treatment Plant
Lot 13772 on Plan 29805, Chugg Street
WALPOLE WA 6398
Being Lot 13772 on Plan 29805 as depicted in Schedule 1

Issue date: Monday, 26 October 2015

Commencement date: Sunday, 1 November 2015

Expiry date: Saturday, 31 October 2016

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.

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)	Assessed design capacity
	54	200 cubic metres per day
Application verified	Date: 11/08/2015	
Application fee paid	Date: 20/08/2015	
Works Approval has been complied with Compliance Certificate received	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	
	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	None 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 checked="" type="checkbox"/> No <input type="checkbox"/>	Referral decision No: MS493 and MS959 Managed under Part V <input checked="" type="checkbox"/> Assessed under Part IV <input checked="" type="checkbox"/>
Is the proposal subject to Ministerial Conditions?	Yes <input checked="" 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 <i>Environmental Protection South West Agriculture Zone Wetlands Policy 1998</i> .	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Is the Premises subject to any EPP requirements?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	



3 Executive summary of proposal and assessment

The Walpole Wastewater Treatment Plant (WWWTP) is located within the Shire of Manjimup in the light industrial area of the town of Walpole. The nearest residential neighbours are located about 600 meters (m) to the southwest. The Premises is surrounded by Walpole-Nornalup National Park to the west, north and east with the light industrial area located adjacent to the south. The Collier Creek south coast significant wetland is located about 500 m to the south and an unclassified south coast significant wetland is located about 500 m to the north. The WWWWTP is located within seven threatened ecological site buffer areas and about 1,200 m south of the priority 1 and priority 2 Butlers Creek catchment areas. Minor perennial creeks that drain into the Walpole and Nornalup Inlets Marine Park are located about 450 m to the west (Butlers Creek) and 300 m to the east (Collier Creek) of the WWWWTP. The Walpole and Nornalup Inlets Marine Park, an estuarine environment that is open all year round, is located about 1,250 m southwest of the WWWWTP.

The WWWWTP was originally constructed at a 100 kL/ day capacity in 1999 following a consultative environmental review and the issuing of Ministerial Statement 493. Under works approval W3786/2003/1 the WWWWTP was upgraded in 2005 to a 200 kL/ day capacity. This coincided with the construction of the nearby Allen Road Irrigation Treefarm (ARIT) premises. The WWWWTP and ARIT premises were both managed under the one licence until 2014. A pipeline conveys treated wastewater approximately 800 m through the Walpole-Nornalup National Park to ARIT.

The current WWWWTP consists of the following operations and infrastructure:

- Elevated inlet works and inlet screen;
- Chemical dosing facilities for alum (5 kL) and sodium hydroxide (5 kL);
- Biological nutrient removal;
- Intermittent decant extended aeration/ activated sludge plant;
- Sludge management facilities comprises of two waste activated sludge (WAS) storage/thickening geotube installations;
- Treated effluent transfer pump station;
- Emergency discharge infiltration trench; and
- Operations and switch room facilities contained within a transportable building.

Discharges of treated wastewater to land are managed by treating wastewater to a defined water quality level prior to additional storage and treatment at the ARIT 39 megalitre storage dam and dosing pump station. The main potential emissions from the WWWWTP are emergency discharges to the infiltration trench. Discharge to the infiltration trench is only undertaken during emergency breakdown situations. The infiltration trench, the original discharge point for the WWWWTP, has a capacity of approximately 60kL/ day. Solid sludge waste may also result in leachate and fugitive emissions in the form of odour. Sludge waste is stored within Geotube installations with leachate returned to the wastewater treatment system.

This Licence is the successor to licence L8021/2003/4 and includes the following changes:

- Administrative updates, including contact details for the Department of Environment Regulation and condition numbering;
- Addition of a condition to ensure that emissions not authorised through the licence comply with the provisions of the *Environmental Protection Act 1986* (new condition 1).
- Removal of a condition requiring treated wastewater quality targets to be met;
- Removal of a condition specific to odour emissions;
- Removal of a condition for the installation of an inflow screen unit; and
- Removal of a condition for the reporting of targets being exceeded.

The emission risks associated with the treatment of sewerage and discharge of treated wastewater from the WWWWTP have not been assessed as part of the Licence except for fugitive odour emissions.



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	Operation Condition 1 has been included to ensure that emissions at the Premises not authorised through the licence comply with the provisions of the <i>Environmental Protection Act 1986</i> .	General provisions of the <i>Environmental Protection Act 1986</i>
Emissions to land including monitoring	N/A	Operation Condition 7 in licence version L8021/2003/4 has been removed from the Licence. Treated targets are not required. The risks posed by the emission of treated wastewater will be assessed under the ARIT premises licence, where treated wastewater is irrigated to land.	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
Fugitive emissions (Odour)	N/A	<p>Operation</p> <p><u>Emission Description</u> <i>Emission:</i> Odour may be generated from the WWWT treatment process, sludge storage compound and as a result of abnormal operating conditions. <i>Impact:</i> Interference with the health, welfare, convenience, comfort or amenity of sensitive commercial and residential receptors is possible. Commercial receptors are located adjacent to the south and the closest residential receptors are located about 600 metres to the southwest. No odour complaints have been identified in association with the operations at the WWWT. <i>Controls:</i> Liquid waste is treated and maintained within the Intermittent decant extended aeration/ activated sludge plant. Sludge is managed via geo tube two waste activated sludge (WAS) storage/thickening geotube installations.</p> <p><u>Risk assessment:</u> <i>Consequence:</i> Minor <i>Likelihood:</i> Unlikely <i>Risk Rating:</i> Moderate</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. Condition 7 in licence version L8021/2003/4 has been removed from the Licence.</p> <p><u>Risk assessment:</u> <i>Consequence:</i> Minor <i>Likelihood:</i> Rare <i>Risk Rating:</i> Low</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
Improvements	L10	Operation Condition 10 (being condition 11, improvement reference IR1, in licence version L8021/2003/4) has been amended to remove the requirement to undertake the maintenance upgrade of the inlet screen. Water Corporation was non-compliant with meeting the date of completion under Licence L8021/2003/4. Completion of the then improvement reference IR1 requirements are being managed through DERs Compliance and Enforcement function.	General provisions of the <i>Environmental Protection Act 1986</i>
Information	L11	Operation Condition 11 (being condition 12 in licence version L8021/2003/4) has been amended to remove the requirement for reporting targets being exceeded. Wastewater treatment targets are no longer specified in the Licence.	General provisions of the <i>Environmental Protection Act 1986</i>
Licence Duration	N/A	This Licence will be granted for one year, until late 2016. This timeframe take into consideration the factors within the document <i>Guidance statement: licence duration</i> . No other statutory approvals have been identified as limiting the timeframe for the issue of this licence. The risk of emissions and associated assessment of those emissions has not been undertaken as part of this reissue and is subject to a review of the ARIT premises operations. Subsequently consideration for 20 year licence duration can be considered in accordance with the <i>Guidance Statement: Licence duration</i> .	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
31/08/2015	Application advertised in West Australian (or other relevant newspaper)	None applicable	None applicable
02/10/2015	Proponent sent a copy of draft instrument	Sewage inflow limit queried	No change required
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