



Licence Number	L8703/2012/1
Licence Holder	Water Corporation
Registered business address	629 Newcastle Street LEEDERVILLE WA 600
Date of amendment	Thursday, 10 November 2016
Prescribed Premises	Category 54 – Sewage facility
Premises	Williams Wastewater Treatment Plant Via Cemetery Road WILLIAMS WA 6391 Being Lot 501 on Plan 66270.

Amendment

The Department of Environment Regulation (DER) has amended the above licence in accordance with section 59 of the *Environmental Protection Act 1986* as set out in this Amendment Notice.

Date signed: 10 November 2016

Caron Goodbourn

A/ MANAGER LICENCING (WASTE INDUSTRIES)

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

Amendment Notice

This Notice is issued under section 59 of the *Environmental Protection Act 1986* (EP Act) to amend the licence 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.

Amendment Description

Water Corporation submitted a request to DER (3/10/2016, CEO 3593/16) to amend the chlorine monitoring details within the Licence L8703/2012/1. The request included:

1. Removal of row 3 from Table 3.3.1 for the continuous monitoring of liquid chlorine dosing;
2. Addition to Table 3.2.1, total chlorine residual and free chlorine residual as mg/L, with the frequency of monthly monitoring done as a spot sample.

The proposed amendment relates to conditions 3.2.1 and 3.3.1 of the Licence L8703/2012/1 and is made by the Delegated Officer pursuant to section 59(1) (a) of the EP Act.

Decision

The Delegated Officer has determined that an amendment be made to conditions 3.2.1 and 3.3.1 of the Licence.

Chlorine dosing is undertaken as part of Water Corporations' process and treatment of wastewater prior to discharge to the Shire storage pond for reuse.

The requirement of monitoring the chlorine dosing unit on a continuous basis was included in the licence so as to ensure that the dosing rate was kept within the range of 0.2-2 mg/L, as per Department of Health requirements and to assist in ensuring that the degree of risk from chlorine discharges to land were sufficiently diminished through the premises treatment process, prior to reuse.

The Delegated Officer considers the alteration within the licence conditions a minor change. The amendment will still ensure that monitoring of chlorine within the treated wastewater process can be adequately undertaken to ensure no potential impacts from excessive dosing or under dosing occurring.

The Delegated Officer considers the requirement to report 'free chlorine residual' unnecessary. The monitoring parameter (free chlorine residual) is not a requirement within Schedule 4, Part 3 of the *Environmental Protection Regulations 1987* in relation to annual fee calculations for emissions and discharges and will not be included within the monitoring parameters for the premises.

The Delegated Officer has considered DER's *Guidance Statement: Regulatory Principles* and *Guidance Statement: Setting Conditions* in granting this amendment does not consider that this amendment will impact the risk profile or operation of the premises, and there is no additional risk expected through the amendment of the relevant conditions.

Amendment History

Instrument	Issued	Amendment
L8703/2012/1	26/5/2016	Licence amendment for works upgrade for inclusion of copper
L8703/2012/1	10/11/2016	Licence amendment – Alteration to chlorine monitoring condition.

Amendment

- Condition 3.3.1 is amended by the deletion of the text shown in strikethrough below:

3.3.1 ~~The Licensee shall undertake the monitoring in Table 3.3.1 according to the specifications in that table.~~

Table 3.3.1: Monitoring of inputs and outputs

Input/ Output	Monitoring point reference	Parameter ¹	Units	Averaging period	Frequency
Sewage - Inlet Flow (as per Schedule 1: Maps)	Inlet sample point S7012959	Volumetric flow rate (cumulative) or mass balance calculation	m ³ /day	Monthly	Continuous
Treated wastewater discharged to Shire reuse pond 'Railway Dam' (as per Schedule 1: Maps)	Magflow meter - S7013055	Volumetric flow rate (cumulative)	m ³ /day	Monthly	Continuous
Chlorination facility (as per Schedule 1: Maps)	Dosing unit (S7013001)	Liquid chlorine	mg/L	Monthly	Continuous

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

- Condition 3.2.1 is amended by the insertion of the red text shown below:

3.2.1 ~~The Licensee shall undertake the monitoring in Table 3.2.1 according to the specifications in that table.~~

Table 3.2.1: Monitoring of emissions to land

Emission point reference	Monitoring point reference	Parameter	Units	Averaging Period	Frequency
S7013082 – final effluent sample point (as per Schedule 1: Maps)	Sampling point from Effluent Pressure Main Discharge Chamber (SP Williams WWTP)	pH ¹	-	Spot Sample	Monthly
		Biochemical Oxygen Demand	mg/L		
		Total Dissolved Solids			
		Total Suspended			

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Template: 1.3

	2 - Post Chlorination)	Solids						
		Nitrate + Nitrite-nitrogen						
		Ammonium-nitrogen						
		Total Nitrogen						
		Total Phosphorus						
		Total and filtered Copper						
		Total residual chlorine						
		Escherichia coli ²				cfu/100 mL		
		Total Nitrogen				kg/year	Annual	Continuous
		Total Phosphorus						

Note 1: In-situ non-NATA accredited sampling permitted.

Note 2: Actual units are to be reported except where the result is greater than the highest detectable level of 24,000 cfu/100mL. In this case the reporting of the highest detectable level is permitted.