Government of Western Australia
Department of Environment Regulation

Amendment Notice 1

Licence Number	L7639/2000/8
Licence Holder	Total Waste Management Pty Ltd
Registered business address	65 Pirrama Road PYRMONT NSW 2009
Date of amendment	Thursday, 9 March 2017
Prescribed Premises	Category 61: Liquid waste facility Category 62: Solid waste depot
Premises	Total Waste Management Lot 278 on Plan 3033123 Ewing Street WELSHPOOL WA 6106

Amendment

The Chief Executive Officer (CEO) of 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.

Signed 9 March 2017

Alan Kietzmann

Manager Licensing (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

Total Waste Management Pty Ltd (the Licence Holder) was granted a renewed licence (L8461/2010/2) on 29 October 2015. The licence authorises an annual 'approved premises production or design capacity' of up to 55,000 tonnes of liquid wastes and up 500 tonnes of solid waste.

This Amendment Notice is the result of a Licence Holder initiated amendment. On 22 December 2016, the Licence Holder submitted an amendment application to install a wet oxidation plant within the existing liquid waste treatment system for grease trap waste and septage waste to reduce the levels for Biological Oxygen Demand (BOD) and Chemical Oxygen Demand (COD) for the purpose of meeting the relevant discharge criteria of their Water Corporation Discharge to Sewer permit. Supplementary information for the application was provided on 19 January 2017.

Once septage waste and grease trap waste has been processed through the existing Dissolved Air Flotation tank, the Licence Holder proposes to direct wastewater through the wet oxidation plant where temperature and pressure are increased, along with the additional of oxygen, hydrogen peroxide or other oxygen sources, to reduce BOD and COD levels through chemical and physical processes. The water is then directed for discharge to the Water Corporation sewer.

Decision

The Delegated Officer considers that the inclusion of the wet oxidation plant will improve the wastewater treatment process and is not expected to change the environmental risk profile of the premises. Therefore, a detailed risk assessment is not required. Treated wastewater will continue to be discharged to the sewer with no discharge to the environment.

The Delegated Officer has determined that an amendment is to be made to include conditions 1.3.7 and 1.3.8 to authorise the installation of the Wet Oxidation plant and to require compliance certification to be provided once the plant has been installed and prior to the treatment process being undertaken.

The licence authorises the treatment of grease trap wastes by biological or physical treatment through existing licence condition 1.3.4, in reference to the processes specified in Table 1.3.1 as Attachment 1. Table 1.3.1 has been amended to authorise the chemical treatment of grease trap wastes associated with the wet oxidation process. This table already authorises the chemical, biological and physical treatment of septage wastes so no further amendments to Table 1.3.1 are required.

The second premises map in Schedule 1 of the licence has been replaced with an updated map to reflect the location of the wet oxidation plant.

In granting this amendment the Delegated Officer has considered the following DER guidance statements:

- *Setting Conditions Division 3, Part V, Environmental Protection Act 1986, October 2015;*
- *Licensing and works approvals process Part V Environmental Protection Act 1986, September 2015;*
- *Decision Making (November 2016); and*
- *Risk Assessments (November 2016).*

Amendment History

Instrument	Issued	Amendment
L7639/2000/8	9/03/2017	Amendment Notice 1: Inclusion of wet oxidation plant to treatment process

Amendments

1. The 'Putrescible and Organics Wastes' section of Table 1.3.1 has been amended by the insertion of the red text in underline below:

Table 1.3.1: Waste acceptance, processing and infrastructure requirements						
Waste type	***Waste Code***	***Quantity Limit***	***Specification[1]***	***Process***	***Process requirements***	***Infrastructure requirements***
Putrescible and Organic Wastes						
Waste from grease traps	*K110*	*Combined Premises total of 55,000 tonnes per annum of all liquid wastes accepted.*	*Packaged and bulk wastes*	*Receipt, handling, decanting, physical, chemical or biological treatment, aggregated and temporary storage prior discharge via sewer or offsite removal.*	*Waste must be stored and processed in a manner that prevents incompatible wastes mixing.*	*Stored in impervious containers or tanks within a bunded hardstand area.*
Animal effluent and Residues	*K100*	*Combined Premises total of 55,000 tonnes per annum of*	*Packaged and bulk wastes*	*Receipt, handling, aggregated and temporary storage prior to removal.*	*Waste must be stored and processed in a manner that prevents incompatible wastes mixing.*	*Stored in impervious containers or tanks within a bunded hardstand area.*

Waste from grease traps	K110	*all liquid wastes accepted.*		*Receipt, handling, decanting, physical, chemical or biological treatment, aggregated and temporary storage prior discharge via sewer or offsite removal.*		
Sewage waste from the reticulated sewerage system	*K130*	*Combined Premises total of 55,000 tonnes per annum of all liquid wastes accepted.*	*Packaged and bulk wastes*	*Receipt, handling, aggregated, chemical treatment (for wastes K130-K200 only) and temporary storage prior to removal offsite.*	*Waste must be stored and processed in a manner that prevents incompatible wastes mixing.*	*Stored in impervious containers or tanks within a bunded hardstand area.*
Tannery wastes not containing chromium	*K140*					
Wool scouring wastes	*K190*					
Food and beverage processing wastes	*K200*					
Septage wastes	*K210*			*Receipt, handling, physical or chemical treatment, and temporary storage prior discharge via sewer (liquid component) or offsite for disposal (solid component).*		

2. Condition 1.3.7 as specified below is included in the licence*:*

1.3.7 The Licensee shall install the infrastructure detailed in Table 1.3.2, in accordance with the construction specifications listed in that Table:

Table 1.3.2: Infrastructure requirements

Infrastructure	***Requirements (Design and Construction)***
Installation of wet oxidation plant with design capacity of 73 ML/year	- *Installation of a continuous flow tubular reactor on existing treatment system;* - *Installation of a plated heat exchanger on existing treatment system; and* - *Installation of two pumps on existing treatment system.*

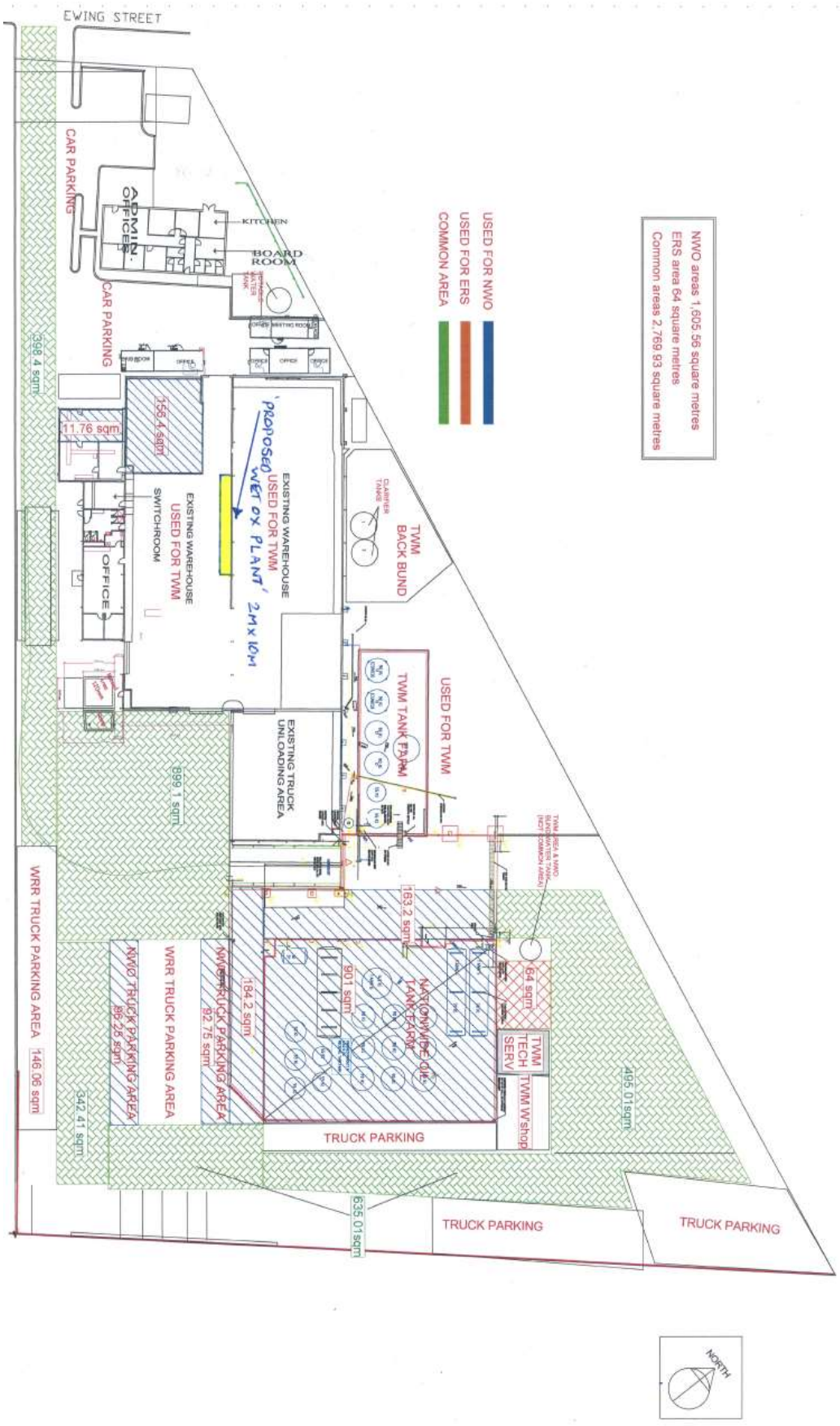
3. Condition 1.3.8 as specified below is included in the licence*:*

1.3.8 The Licensee shall submit a compliance document to the CEO, following the construction of the works specified in Table 1.3.2 and prior to operation of the wet oxidation plant, which shall:

(a) certify that the works were constructed in accordance with the conditions of licence;

(b) be signed by a person authorised to represent the Licensee and contain the printed name and position of that person within the company.

4. The second premises map in Schedule 1 of the licence is replaced by the following map:



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