



Licence Number	L8939/2015/1
Licence Holder	Giacci Bros Pty Ltd
ACN	008 708 361
Registered business address	Level 27, 45 Clarence Street SYDNEY NSW 2000
Date of amendment	13 October 2016
Prescribed Premises	Category - 33 Chemical blending or mixing
Premises	Qube Bulk Mandurah Road Being Lot 803 on Plan 55354 EAST ROCKINGHAM WA 6169

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.

Date signed: 13 October 2016

Jonathan Bailes
Manager Licensing (Process 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

Licence L8939/2015/1 was granted by DER on 17 March 2016 for the operation of the Qube Bulk fertiliser depot in Rockingham. The premises comprises facilities used for the storage, blending, and loading of trucks with fertiliser products including:

- mono-ammonium phosphate (MAP) - stored in bulk (large volume)
- copper sulphate – stored in bags or as applicable (small volume)
- zinc sulphate – stored in bags or as applicable (small volume)
- flutriol – (small volume)
- urea – stored in bulk (large volume)

The main emissions of concern from the proposed activity are fugitive emissions (dust) and spills of fertiliser products to the stormwater system.

This amendment notice is the result of a DER initiated amendment to include groundwater monitoring and reporting conditions.

Decision

The risk assessment carried out for the issue of the licence concluded that the risk of contaminated stormwater impacting groundwater was moderate. As a result, regulatory controls were imposed in the licence to control the risk. The controls included the requirement for the Licence Holder to install a dedicated groundwater monitoring well down hydraulic gradient of the stormwater soak well and bio-retention basins and in the direction of groundwater flow (condition 4.1.1 (IR1)). The intent of the installation of the bore was for baseline and ongoing sampling and analysis of groundwater to be carried out to detect any groundwater impacts that may occur as a result of premises operation.

This assessment is detailed in the Decision Document published with the licence on DER's website (www.der.wa.gov.au). The Delegated Officer has reviewed the previous assessment and has endorsed the findings and determination.

The Licence Holder submitted a report to DER on 19 August 2016 detailing the installation of a dedicated groundwater monitoring bore as required by the licence improvement condition. The licence has been amended to include monitoring requirements for the groundwater bore. The sampling parameters have been selected based on the materials and products handled and stored on site, and quarterly monitoring has been specified to provide samples that reflect varying groundwater and rainfall levels that will occur in a year. Reporting conditions have been updated to include the results of the monitoring in the premises annual report.

Amendment History

Instrument	Issued	Amendment
L8939/2015/1	17/03/2015	Licence issue
L8939/2015/1	13/10/2016	Amendment Notice 1 Licence amendment to include groundwater monitoring and reporting

Amendment

- The licence is amended by the insertion of the following condition 3.4.1 and Table 3.4.1:

3.4 **Ambient environmental quality monitoring**

- The Licensee shall undertake the monitoring in Table 3.4.1 according to the specifications in that table.*

Table 3.4.1: Monitoring of ambient groundwater quality				
Monitoring point reference and location on Map of monitoring locations	Parameter²	Units	Averaging period	Frequency
MW1	Standing Water Level (SWL) ¹	Metres below ground level (mbgl)	Spot sample	Quarterly at least 45 days apart
	Total Phosphorus as Total Nitrogen(as N) Nitrate (as N) Nitrate (as N) Ammonia(as N) Copper Cobalt Cadmium Zinc Total Dissolved Solids Sulfate Magnesium Molybdenum	mg/L		

Note 1: In-situ non-NATA accredited analysis permitted

Note 2: All metals to be analysed as filtered metals

- The licence is amended by the deletion of the following conditions 4.1.1, 4.1.2 and Table 4.1.1:
 - The Licensee shall complete the improvements in Table 4.1.1 by the date of completion in Table 4.1.1.*
 - The Licensee, for improvements not specifically requiring a written submission, shall write to the CEO stating whether and how the Licensee is compliant with the improvement within one week of the completion date specified in Table 4.1.1.*

Table 4.1.1: Improvement program		
Improvement reference	Improvement	Date of completion
IR1	<p>The Licensee shall install at least one dedicated groundwater monitoring well down hydraulic gradient of the soak well and bio-retention basins in the direction of groundwater flow.</p> <p>Well installation and construction (including preparation of well construction logs) shall be in accordance with the National Environment Protection (Assessment of Site Contamination) Measure 1999 – Schedule B2, Section 8.2.</p> <p>The licensee shall prepare and submit to DER a report outlining the installation of the dedicated groundwater monitoring wells. The report shall include, but not be limited to, well construction logs, well location and GPS coordinates, site plan depicting well location, and results of any baseline monitoring undertaken.</p>	01/08/2016

3. Table 5.2.1 of the licence is amended by the deletion of the text shown on strikethrough below and the insertion of the red text shown in underline below:

Table 5.2.1: Annual Environmental Report		
Condition or table (if relevant)	Parameter	Format or form¹
-	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
Table 3.2.1	Monitoring of emissions to land	None specified
Table 3.6.1 <u>3.3.1</u>	Monitoring of inputs and outputs	None specified
Table 3.4.1	<u>Monitoring of ambient groundwater quality</u>	<u>None specified</u>
5.1.3	Compliance	Annual Audit Compliance Report (AACR)
5.1.4	Complaints summary	None specified

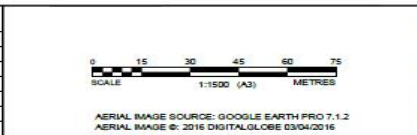
4. Schedule 1 of the licence is amended by the insertion of the map of monitoring locations attached to this notice.

Map of monitoring locations



LEGEND	
	MONITORING WELL LOCATION
	BIO RETENTION DEVICES
	SITE BOUNDARY

no.	description	drawn	approved	date
A.	ORIGINAL ISSUE	AMG	KRG	03/06/2016



drawn	AMG
approved	KRG
date	03/06/2016
scale	AS SHOWN
original size	A3



client:	QUBE HOLDINGS LTD		
project:	LICENCE BASELINE ASSESSMENT QUBE ROCKINGHAM DEPOT 303 MANDURAH ROAD, EAST ROCKINGHAM, WA		
title:	SITE LAYOUT PLAN		
project no:	ENAUPT05481AA-D01	figure no:	FIGURE 2
rev:	A		