



Licence Number	L6785/1995/11
Licence Holder	AWE Perth Pty Ltd
ACN	009 204 031
Registered business address	Level 16, 40 Mount Street NORTH SYDNEY NSW 2060
Date of amendment	Thursday, 20 October 2016
Prescribed Premises	Category 10 - Oil and gas production from wells
Premises	Mt Horner Oilfield Project Department of Mines and Petroleum Production Licence 7 DONGARA WA 6525 Being Lot 2 on Plan 6473

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: 20 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 L6785/1995/11 was granted by DER on 12 December 2013 for the operation of the Mt Horner oil and gas production facility. The premises were 'shut-in' (not producing) in January 2011 and are currently in care and maintenance. The key activities at the premises include:

- Production of crude oil;
- Product separation;
- Export of crude oil via tanker;
- Produced Formation Water (PFW) management; and
- Chemical handling;

DER received an application for a licence amendment on 27 October 2015 requesting the following changes to the licence:

- Removal of groundwater monitoring bores MB1A, MB1B, and MB2;
- Reduction in the Camp Water Bore (CWB) monitoring frequency from quarterly to six monthly; and
- Removal of the requirement to monitor standing water level (SWL) in the CWB.

Decision

The Delegated Officer has amended the licence to take account of the above changes as follows:

- Monitoring bores MB1A, MB1B, and MB2 have been removed from the licence. These bores have been dry since before 2012 and are unlikely to produce any useable data. The premises have been in care and maintenance since December 2013. Groundwater monitoring will continue from the Camp Water Bore (CWB).
- Data from the monitoring of the CWB is available from 2007 and has shown little variability in groundwater quality. Given the current operational status of the site, the monitoring frequency has been reduced to six-monthly.
- The requirement to monitor Standing Water Level (SWL) in the CWB has been removed. The CWB is a production bore and therefore the installation of the bore renders it unable to be used to measure SWL.

Amendment History

Instrument	Issued	Amendment
L6785/1995/11	12/12/2013	Licence re-issue
L6785/1995/11	20/10/2016	Amendment Notice 1 Licence amendment to update groundwater monitoring requirements

Amendment

1. Table 3.4.1 of the licence is amended by the deletion of the text shown in strikethrough below and the insertion of the red text shown in underline below:

Table 3.4.1: Monitoring of point source emissions to groundwater			
Emission point reference	Parameter	Units	Frequency
All monitoring bores on site - MB1A; MB1B; MB2; and Camp Water Bore (MTH CWB).	(i) arsenic (As);	mg/L	Quarterly <u>Six monthly</u>
	(ii) barium (Ba);		
	(iii) cadmium (Cd);		
	(iv) chromium (Cr);		
	(v) copper (Cu);		
	(vi) iron (Fe);		
	(vii) lead (Pb);		
	(viii) strontium (Sr);		
	(ix) zinc (Zn);		
	(x) chemical oxygen demand (COD);		
	(xi) Total Petroleum Hydrocarbons (TPH);		
	(xii) light fraction organic compounds (eg. BTEX – Benzene, Ethylbenzene, Toluene and Xylene compounds);		
	(xiii) Total Dissolved Solids (TDS); and		
	(xiv) pH		
	(xv) standing water level (SWL).	m	