



Amendment Notice 2

Licence Number	L8490/2010/2
Licence Holder	Focus Minerals (Laverton) Pty Limited
ACN	087 360 996
Registered business address	Level 2 159 Adelaide Terrace EAST PERTH WA 6004
Date of amendment	13 June 2018
Prescribed Premises	Category 5: Processing and beneficiation of metallic and non-metallic ore
Premises	Barnicoat Gold Plant Mining tenement M38/318 and M38/1042 LAVERTON WA 6440

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 June 2018

Tim Gentle

Manager Licensing (Resource 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 (L8490/2010/2) 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.

No changes to the aspects of the original licence relating to Category 5; processing and beneficiation of metallic and non-metallic ore has been requested by the Licence Holder.

The following guidance statements have informed the decision made on this amendment.

- *Guidance Statement: Regulatory Principles* (July 2015)
- *Guidance Statement: Setting Conditions* (October 2015)
- *Guidance Statement: Licence Duration* (August 2016)
- *Guidance Statement: Decision Making* (February 2017)
- *Guidance Statement: Risk Assessment* (February 2017)

1.1 Amendment description

On 1 May 2018, Focus Minerals (Laverton) Pty Limited (the Licence Holder) submitted an application to amend Licence L8490/2010/2 condition number 2.2.1 table 2.2.1 to reduce the groundwater bore monitoring frequency to bi-annually as the site remains in care and maintenance.

The Applicant has requested the licence amendment to reduce monitoring frequency due to limited staff available to undertake the monitoring at the existing frequency and that the water quality results from previous monitoring do not deviate significantly between sampling frequency nor are there increasing trends that would warrant further review and assessment.

1.2 Amendment history

Table 2 provides the amendment history for L8490/2010/2.

Table 1: L8490/2010/2 amendments

Instrument	Issued	Amendment
L8490/2010/1	24/12/2013	Licence amendment
L8490/2010/2	04/02/2016	Licence amendment to reduce standing water level monitoring frequency and to update into version 2.9
L8490/2010/2	06/10/2016	Amendment Notice 1 Licence amendment to correct condition 2.1.2(b) by removing the reference to condition 3.8.1.
L8490/2010/2	13/06/2018	Amendment Notice 2 Licence amendment to reduce groundwater monitoring frequency whilst the plant is in care and maintenance. Amendments to

		condition 2.1.2, table 2.2.1 and table 2.2.2.
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1.3 Decision

A review of the monitoring data from July 2014 to March 2018 is attached in Appendix 3 of this assessment and graphically displays the results of the parameters listed in table 2.2.1. The water quality data reveals consistent trends for each of the monitoring bores apart from monitoring bore MB6 where Total Dissolved Solids (TDS) and Weak Acid Dissociable Cyanide (WAD-CN) are variable for the data period.

Since the site has been in care and maintenance, MB6 water quality results for WAD CN, indicates a reducing trend. See plot 4 in Appendix 3. The TDS water quality results for MB6 vary from 5,000 to 25,000 mg/L which is considered saline to hypersaline and the variability is reflective of seasonal rainfall. Please note Plot 3 and Plot 5 of Appendix 3.

It was also noted that licence condition 2.1.2 and table 2.2.2 would need to be amended to reflect the amendments requested by the Licence Holder.

Given the water quality trends over the past four years, it is considered the proposed amendments to the licence will not change the assessed risk profile for this prescribed Premises.

The Delegated Officer therefore grants the amendment to include;

- Licence condition 2.1.2 be amended to bi-annual monitoring being undertaken at least 180 days apart;
- Licence table 2.2.1 be amended to reduce monitoring frequency to bi-annually during care and maintenance operations; and,
- Licence table 2.2.2 will be altered to replace the reference to “3.8.1” with “2.2.1”.

1.4 Licence Holder’s comments

The Licence Holder was provided with the draft Amendment Notice 2 on 22 May 2018. Comments received from the Licence Holder have been considered by the Delegated Officer as shown in Appendix 2.

Amendment

1. Licence condition 2.1.2 is amended by the insertion of red text shown below:

2.1.2 The licensee shall ensure that:

- (a) monthly monitoring is undertaken at least 15 days apart;*
(b) quarterly monitoring is undertaken at least 45 days apart; and
(c) bi-annual monitoring is undertaken at least 180 days apart.

2. Licence condition 2.2.1 table 2.2.1 is amended by the deletion of the black text shown in strikethrough below and the insertion of red text show in underline below:

Table 2.2.1: Monitoring of ambient groundwater quality					
Monitoring point reference and location	Parameter	Limit	Units	Averaging period	Frequency
MB1, MB2, MB3, MB4, MB5A, MB6, MB8	Standing water level*	4	m(mbgl)	Spot sample	Quarterly during
	pH	-		Spot sample	<u>operations</u>
	Total Dissolved Solids (TDS)		mg/L	Spot sample	<u>& Bi-annually during</u> care
	Weak Acid Dissociable Cyanide (WAD-CN)		mg/L	Spot sample	and maintenance Quarterly Quarterly Quarterly

*Standing water level shall be determined prior to collection of water quality samples

3. Condition table 2.2.2 is amended by the deletion of the text shown in strikethrough below and the insertion of red text show in underline below:

Table 2.2.2: Management actions		
Monitoring point reference	Event	Management action
MB1, MB2, MB3, MB4, MB5A, MB6, MB8	Upon becoming aware of any exceedance of the limit in Table 3.8.1 <u>2.2.1</u> .	The licensee shall cease discharge to the Cock of the North Pit or West pit and implement a seepage recovery plan to reduce SWL.

Appendix 1: Key documents

	Document title	In text ref	Availability
1	Licence L8490/2010/2 – Focus Minerals (Laverton) Pty Limited issued on 4 February 2016	L8490/2010/2	accessed at www.dwer.wa.gov.au
2	Amendment Notice 1 (L8490/2010/2) – Focus Minerals (Laverton) Pty Limited issued on 6 October 2016	L8490/2010/2	accessed at www.dwer.wa.gov.au
3	Licence Amendment Application – Focus Minerals (Laverton) Pty Limited dated 1 May 2018	Application	DWER records (A1665900)
4	Licence Application supporting documents – Att 2, Att 7 & Application	Supporting documents	DWER records (A1677968, A1677970 & A1677971)
5	Email from Applicant dated 1 May 2018 with documents attached	CEO467/18	DWER record (fA234826)
6	DER, July 2015. <i>Guidance Statement: Regulatory Principles</i> . Department of Environment Regulation, Perth.	DER 2015a	accessed at www.dwer.wa.gov.au
7	DER, October 2015. <i>Guidance Statement: Setting Conditions</i> . Department of Environment Regulation, Perth.	DER 2015b	
8	DER, August 2016. <i>Guidance Statement: Licence Duration</i> . Department of Environment Regulation, Perth.	DER 2016a	
9	DER, February 2017. <i>Guidance Statement: Risk Assessments</i> . Department of Environment Regulation, Perth.	DER 2017b	
10	DER, February 2017. <i>Guidance Statement: Decision Making</i> . Department of Environment Regulation, Perth.	DER 2017c	

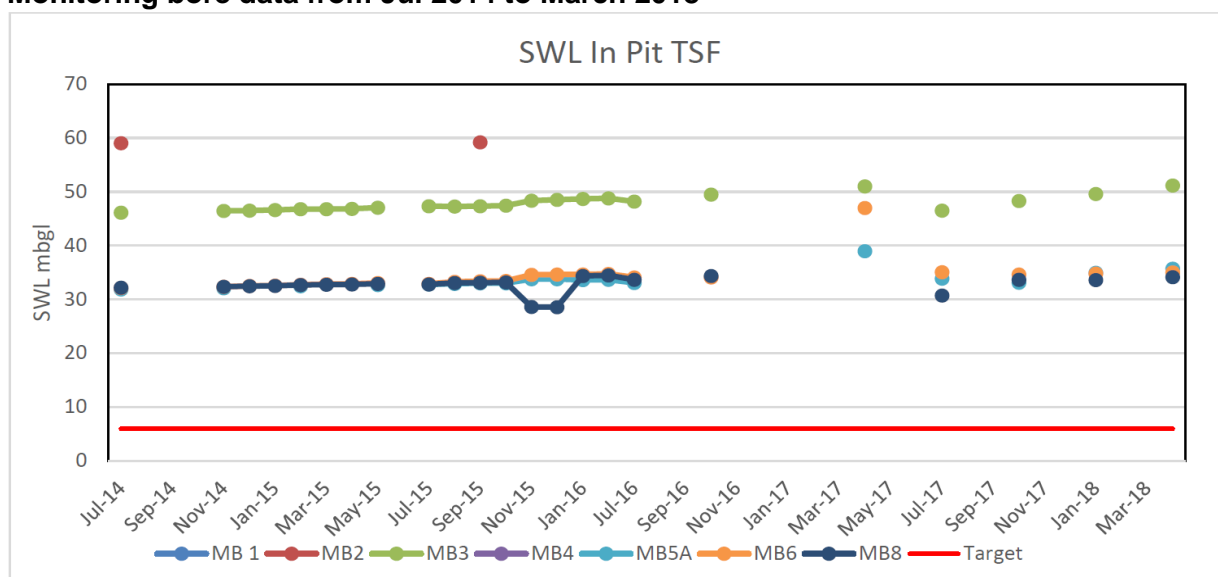
Appendix 2: Summary of Licence Holder comments

The Licence Holder was provided with the draft Amendment Notice on 22 May 2018 for review and comment. The Licence Holder responded on 22 May 2018 waiving the remaining comment period and provided no comments about the draft Amendment Notice.

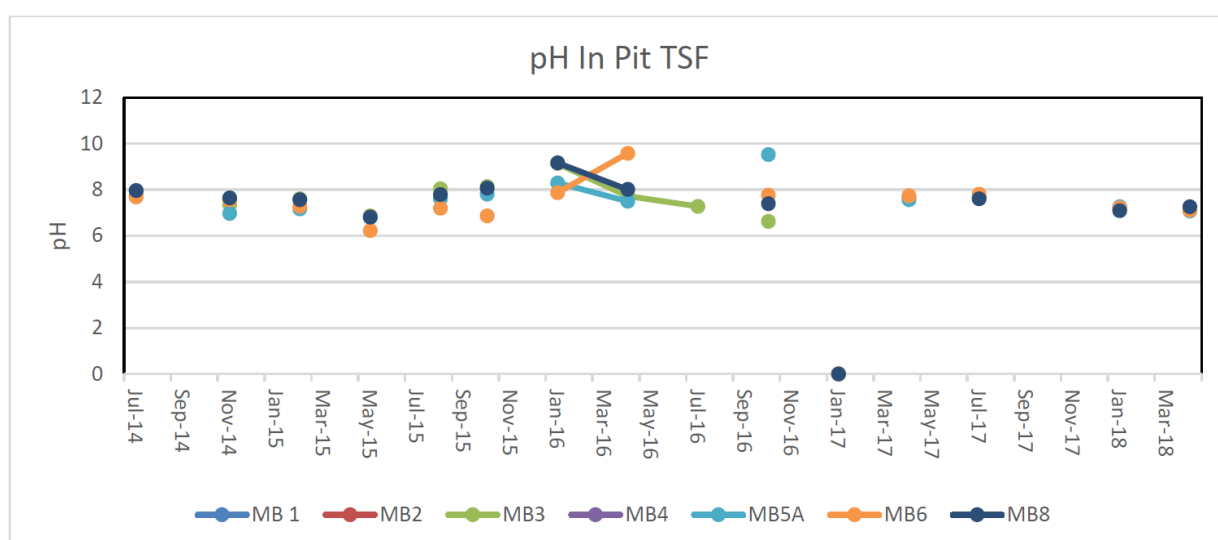
Condition	Summary of Licence Holder comment	DWER response

Appendix 3 – Monitoring Results

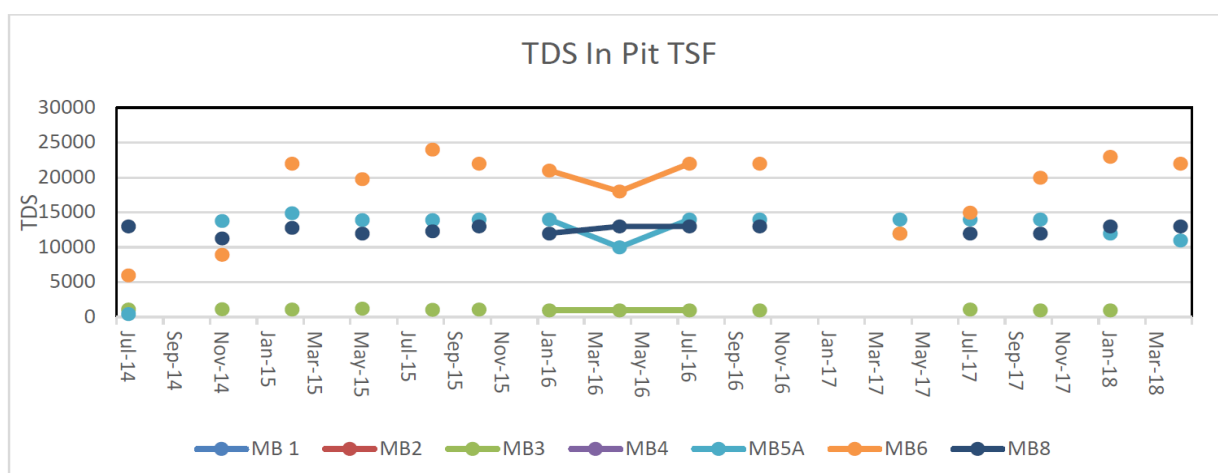
Monitoring bore data from Jul 2014 to March 2018



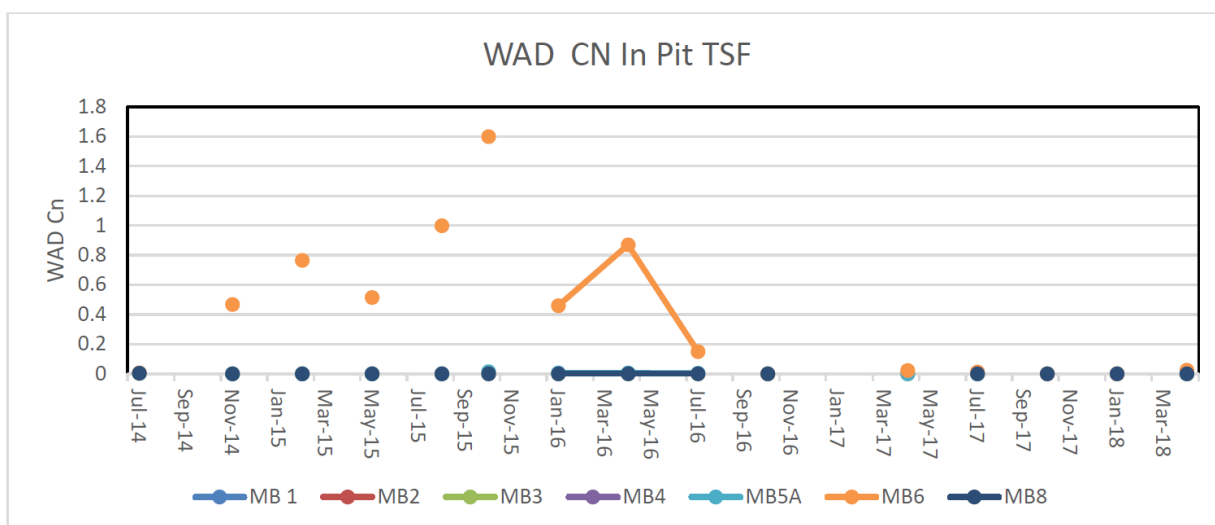
Plot 1: Standing water level (mbgl)



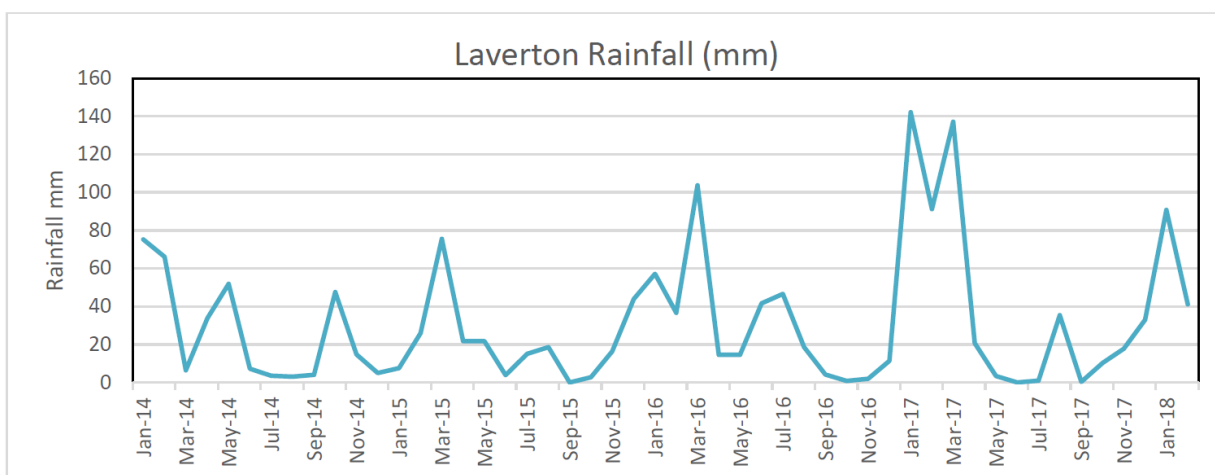
Plot 2: pH



Plot 3: Total Dissolved Solids (TDS) in mg/L



Plot 4: Weak Acid Dissociable Cyanide (WAD-CN) in mg/L



Plot 5: Annual rainfall at Laverton from January 2014 to January 2018.