

TARRAWONGA COAL MINE – MONTHLY MONITORING SUMMARY

Site Information

EPL No: 12365

EPA Website Link: <http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=55113&SYSUID=1&LICID=12365>

Licensee: Tarrawonga Coal Pty Ltd

Licensee Address: Tarrawonga Coal Mine, 469 Goonbri Road, BOGGABRI NSW 2382

EPL Monitoring Points: See Figure 1 below

Sampling Period: February 2020

Obtained Date: 3/03/2020

Publication Date: 13/03/2020

Table 1 - No Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value	Comments
5	TSS	mg/L	Upon discharge	2	08.02/ 19.02	19.02	67	207.5	-	348	-
	Conductivity	ms/cm		2	08.02/ 19.02	08.02	174	210	-	246	-
	Oil & Grease	mg/L		2	08.02/ 19.02	08.02/19.02	<5	<5	-	<5	-
	pH	pH		2	08.02/ 19.02	19.02	7.51	7.56	-	7.6	-
6	TSS	mg/L	Upon discharge	2	08.02/ 19.02	19.02	57	403.5	-	750	-
	Conductivity	ms/cm		2	08.02/ 19.02	19.02	122	162	-	202	-
	Oil & Grease	mg/L		2	08.02/ 19.02	08.02	<5	5.5	-	6	-
	pH	pH		2	08.02/ 19.02	08.02	7.31	7.52	-	7.72	-

Table 2 - Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Max or Only Value	100%ile Limit	Exceedance (Yes/No)	Comments
1	TSS	mg/L	Upon discharge	1	08.02	08.02	-	2,030	50 (Except after 38.5mm over 5 days)	N	Discharge occurred after 158.6 mm of rainfall in 24 hrs
	Oil & Grease	mg/L		1	08.02	08.02	-	6	10	N	-
	pH	pH		1	08.02	08.02	-	7.92	6.5-8.5	N	-
2	TSS	mg/L	Upon discharge	2	08.02/ 19.02	19.02	300	480	50 (Except after 38.5mm over 5 days)	N	Discharge occurred after 158.6 mm of rainfall in 24 hrs
	Oil & Grease	mg/L		2	08.02/ 19.02	08.02	<5	6	10	N	-
	pH	pH		2	08.02/ 19.02	19.02	7.77	7.79	6.5-8.5	N	-
3	TSS	mg/L	Upon discharge	1	08.02	08.02	-	17,700	50 (Except after 38.5mm over 5 days)	N	Discharge occurred after 158.6 mm of rainfall in 24 hrs

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Max or Only Value	100%ile Limit	Exceedance (Yes/No)	Comments
	Oil & Grease	mg/L		1	08.02	08.02	-	11	10	Y	Reported to EPA, DPIE and NRAR
	pH	pH		1	08.02	08.02	-	8.27	6.5-8.5	N	-
24	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-	-
26	TSS	mg/L	Upon discharge	0	-	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-	-
27	TSS	mg/L	Upon discharge	1	08.02	08.02	-	463	50 (Except after 38.5mm over 5 days)	N	Reported to EPA, DPIE and NRAR
	Oil & Grease	mg/L		1	08.02	08.02	-	6	10	N	-
	pH	pH		1	08.02	08.02	-	7.39	6.5-8.5	N	-

Table 3 – Monitoring (Quarterly & 6 Monthly – No Limits apply)

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Period	Date Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
9	Conductivity	ms/cm	6 monthly – (Mar- Sep)	0	-	-	-	-	-	-
	Lead	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Standing Water Level	metres		0	-	-	-	-	-	-
10	Conductivity	ms/cm	6 monthly – (Mar- Sep)	0	-	-	-	-	-	-
	Lead	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Standing Water Level	metres		0	-	-	-	-	-	-
11	Conductivity	ms/cm	6 monthly – (Mar- Sep)	0	-	-	-	-	-	-
	Lead	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Standing Water Level	metres		0	-	-	-	-	-	-
12	Conductivity	ms/cm	6 monthly – (Mar- Sep)	0	-	-	-	-	-	-
	Lead	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Standing Water Level	metres		0	-	-	-	-	-	-
13	Conductivity	ms/cm	Quarterly - (Feb, May, Aug, Nov)	1	05/03/2020	05/03/2020	-	-	-	2420
	Oil & Grease	mg/L		1	05/03/2020	05/03/2020	-	-	-	<5
	pH	pH		1	05/03/2020	05/03/2020	-	-	-	8.17
	TSS	mg/L		1	05/03/2020	05/03/2020	-	-	-	380

Table 4 – Quarterly Monitoring (Noise – Limits Apply)-

Next Quarterly Monitoring to be conducted in March 2020

Table 5 – Monthly Monitoring (Blasts – Limits Apply)

Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date Obtained
Tarrawonga*	Blast Noise	dB (Lin Peak)	Every Blast	7	98.81	104.4	N/A	N/A	04/02/2020
	Blast Vibration	mm/s	Every Blast	7	0.26	0.55	N/A	N/A	24/02/2020
Coomalgah	Blast Noise	dB (Lin Peak)	Every Blast	7	98.11	109.2	120	Nil	26/02/2020
	Blast Vibration	mm/s	Every Blast	7	0.27	0.79	10	Nil	06/02/2020

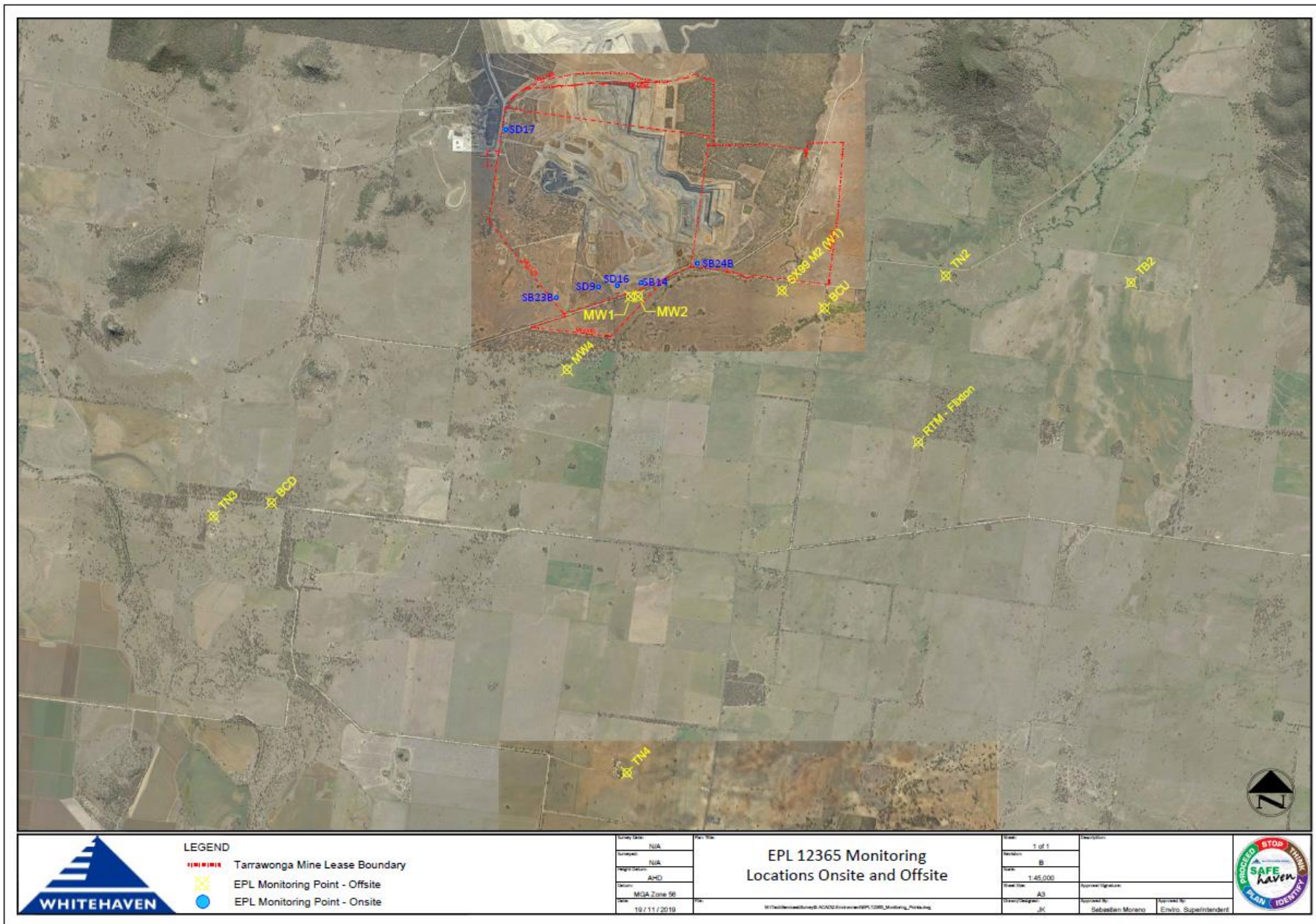
**Mine owned property – no limit apply*

Table 6- Monthly Monitoring (Dust PM10 – No Limits apply)

Location	No. of samples required by licence	Lowest sample value	Mean of sample	Highest sample value
“Flixton” property* TEOM (µg/m ³)	Continuous	0.0	24.5	324.9

**Mine owned property – no limit apply*

Figure 1 – EPL 12365 Monitoring Locations



LEGEND
 Tarrawonga Mine Lease Boundary
 EPL Monitoring Point - Offsite
 EPL Monitoring Point - Onsite

Drawn Date:	N/A
Drawn By:	N/A
Project Name:	AMD
Location:	MGA Zone 96
Date:	19/11/2019

EPL 12365 Monitoring Locations Onsite and Offsite

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Sheet No.:	A3
Drawn By:	JK
Checked By:	Sebastian Moreno
Approved By:	Enviro. Superintendent

