SUNNYSIDE COAL MINE – MONTHLY MONITORING SUMMARY

Site Information

EPL No: 12957
EPA Website Link: http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=32488&SYSUID=1&LICID=12957
Licensee: Namoi Mining Pty Ltd
Licensee Address: Sunnyside Coal Project, 259 Coocooboonah Lane, GUNNEDAH NSW 2380
EPL Monitoring Points: See Figure 1 below
Sampling Period: July 2013
Publication Date: 9th August 2013 (re-published 9th September 2014)

Table 1 - No Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date(s) Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max Value
1	Particulates-Deposited Matter	$g/m^2/month$	Continuous	1	18/7/2013	26/7/2013	0.2	0.2	0.2	0.2
2	Particulates-Deposited Matter	$g/m^2/month$	Continuous	1	18/7/2013	26/7/2013	0.2	0.2	0.2	0.2
4	Particulates-Deposited Matter	$g/m^2/month$	Continuous	1	18/7/2013	26/7/2013	0.2	0.2	0.2	0.2
5	Particulates-Deposited Matter	$g/m^2/month$	Continuous	1	18/7/2013	26/7/2013	0.2	0.2	0.2	0.2
6	Particulates-Deposited Matter	$g/m^2/month$	Continuous	1	18/7/2013	26/7/2013	0.4	0.4	0.4	0.4
7	PM_{10}	$\mu g/m^3$	Every 6 days	5	2,8,14,20,26/7/2013	9/8/2013	1.4	4.8	5.2	7.9
9	Conductivity	µS/cm	Special Frequency 1*	0	-	-	-	-	-	-
	Total organic carbon	mg/L		0	-	-	-	-	-	-
10	Conductivity	µS/cm	Special Frequency 1*	0	-	-	-	-	-	-
	Total organic carbon	mg/L		0	-	-	-	-	-	-

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EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date(s) Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max Value
11	TSS	mg/L	Special Frequency 2**	0	-	-	-	-	-	-
	Conductivity	µS/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Total organic carbon	mg/L								
12	TSS	mg/L	Special Frequency 2**	0	-	-	-	-	-	-
	Conductivity	µS/cm		0	-	-	-	-	-	-
	Oil & Grease	mg/L		0	-	-	-	-	-	-
	pH	pH		0	-	-	-	-	-	-
	Total organic carbon	mg/L								

* Special Frequency 1 means the collection of samples as soon as practicable after each discharge commences and in any case not more than 12 hours after each discharge commences.

** Special Frequency 2 means collection of samples quarterly (in the event of flow during the quarter) at a time when there is flow and as soon as practicable after each wet weather discharge from points 9 and 10 commences and in any case not more than 12 hours after each discharge commences.

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 Value	100%ile Limit	Exceedance (Yes/No)	Comments
9	TSS	mg/L	Special Frequency 1*	0	-	-	-	-	50	-	No discharge
	Oil & Grease	mg/L		0	-	-	-	-	10	-	No discharge
	pH	pH		0	-	-	-	-	6.5-8.5	-	No discharge
10	TSS	mg/L	Special Frequency 1*	0	-	-	-	-	50	-	No discharge
	Oil & Grease	mg/L		0	-	-	-	-	10	-	No discharge
	pH	pH		0	-	-	-	-	6.5-8.5	-	No discharge

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Table 3 – 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
R1	Blast Noise	dB (Lin Peak)	Every Blast	0	-	-	120	No blasting taking place
	Blast Vibration	mm/s			-	-	10	No blasting taking place
R2	Blast Noise	dB (Lin Peak)	Every Blast	0	-	-	120	No blasting taking place
	Blast Vibration	mm/s			-	-	10	No blasting taking place
R4	Blast Noise	dB (Lin Peak)	Every Blast	0	-	-	120	No blasting taking place
	Blast Vibration	mm/s			-	-	10	No blasting taking place
R6	Blast Noise	dB (Lin Peak)	Every Blast	0	-	-	120	No blasting taking place
	Blast Vibration	mm/s			-	-	10	No blasting taking place

DNT – Indicates the blast did not trigger a result at the monitor.
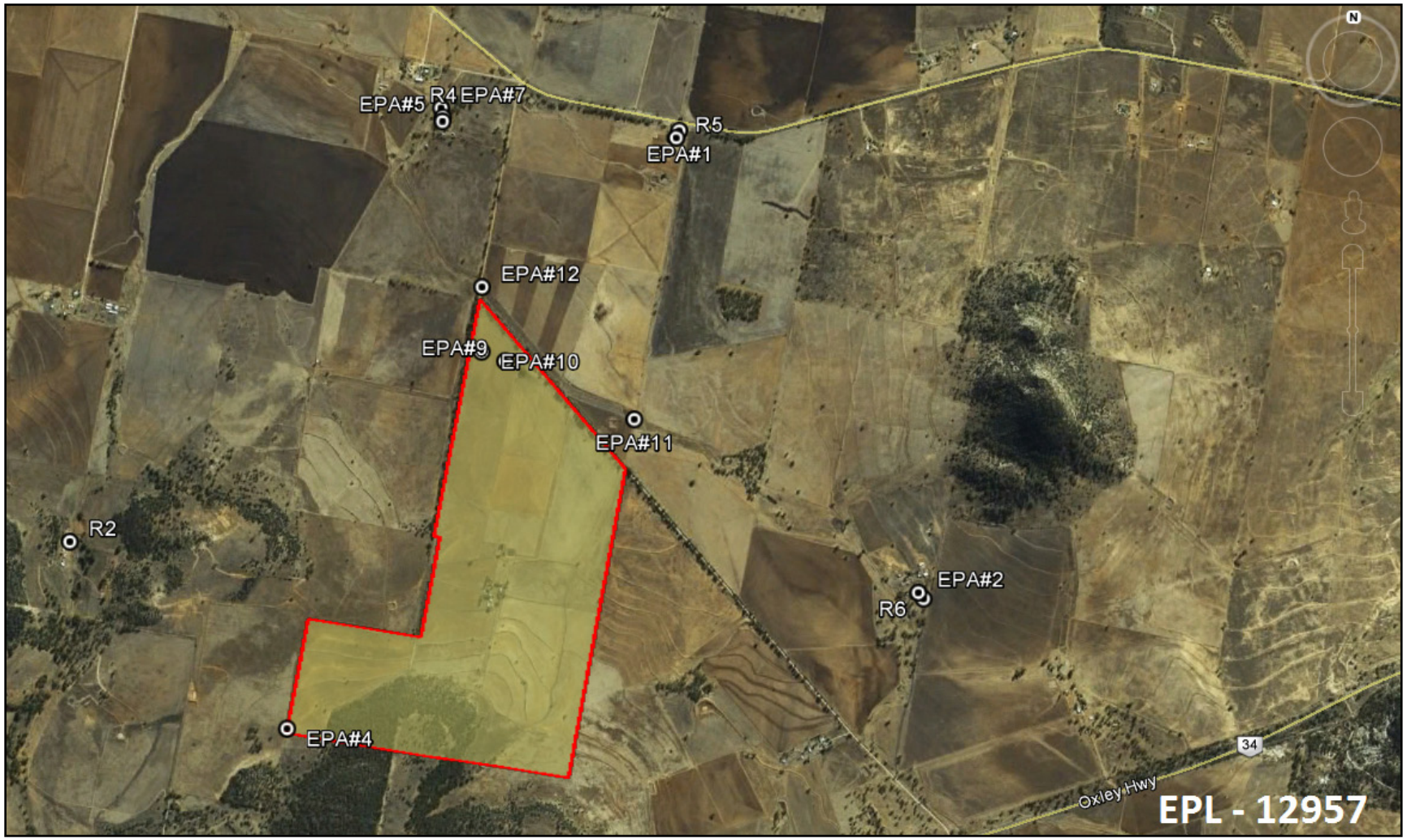
Figure 1 – EPL 12957 Monitoring Locations