

SUNNYSIDE COAL MINE – MONTHLY MONITORING SUMMARY

Site Information

EPL No: 12957

EPA Website Link: <http://epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=40292&SYSUID=1&LICID=12957>

Licensee: Namoi Mining Pty Ltd

Licensee Address: Sunnyside Coal Project, 259 Coocooboona Lane, GUNNEDAH NSW 2380

EPL Monitoring Points: See Figure 1 below

Sampling Period: March 2022

Obtained Date: 20 April 2022

Publication Date: 20 April 2022

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date(s) Sampled	Date(s) Obtained	Min Value	Mean Value	Median Value	Max or Only Value
1	Particulates-Deposited Matter (SD1)	g/m ² /month	Continuous	1	21/03/2022	8/04/2022	-	-	-	4.05
2	Particulates-Deposited Matter (SD3)	g/m ² /month	Continuous	1	21/03/2022	8/04/2022	-	-	-	0.46
4	Particulates-Deposited Matter (SD5)	g/m ² /month	Continuous	1	21/03/2022	8/04/2022	-	-	-	1.17
5	Particulates-Deposited Matter (SD6)	g/m ² /month	Continuous	1	21/03/2022	8/04/2022	-	-	-	0.93
6	Particulates-Deposited Matter (SD7)	g/m ² /month	Continuous	1	21/03/2022	8/04/2022	-	-	-	1.07
7	PM ₁₀	µg/m ³	Every 6 days	5	Various	14/04/2022	3	7.1	6.6	12.7
11	TSS	mg/L	Special Frequency 2** (Quarterly Sampling)	-	-	-	-	-	-	-
	Conductivity	µS/cm					-	-	-	-
	Oil & Grease	mg/L					-	-	-	-
	pH	pH					-	-	-	-



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EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date(s) Sampled	Date(s) Obtained	Min Value	Mean Value	Median Value	Max or Only Value
	Total organic carbon	mg/L					-	-	-	-
12	TSS	mg/L	Special Frequency 2** (Quarterly Sampling)	1	28/03/2022	20/04/2022	-	-	-	736
	Conductivity	µS /cm					-	-	-	190
	Oil & Grease	mg/L					-	-	-	<5
	pH	pH					-	-	-	7.3
	Total organic carbon	mg/L					-	-	-	23

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
	Conductivity	µS /cm		0			-	-	-	-	No discharge
	Oil & Grease	mg/L		0			-	-	10	-	No discharge
	pH	pH		0			-	-	6.5-8.5	-	No discharge
	Total organic carbon	mg/L		0			-	-	-	-	No discharge
10	TSS	mg/L	Special Frequency 1*	0	-	-	-	-	50	-	No discharge
	Conductivity	µS /cm		0			-	-	-	-	No discharge
	Oil & Grease	mg/L		0			-	-	10	-	No discharge
	pH	pH		0			-	-	6.5-8.5	-	No discharge
	Total organic carbon	mg/L		0			-	-	-	-	No discharge
9	TSS ¹	mg/L	Special Frequency 2**	0	-	-	-	-	50	-	No discharge
	Conductivity	µS /cm		0			-	-	-	-	No discharge
	Oil & Grease	mg/L		0			-	-	10	-	No discharge
	pH	pH		0			-	-	6.5-8.5	-	No discharge

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	Total organic carbon	mg/L		0			-	-	-	-	No discharge
10	TSS ¹	mg/L	Special Frequency 2**	0	-	-	-	-	50	-	No discharge
	Conductivity	µS /cm		0			-	-	-	-	No discharge
	Oil & Grease	mg/L		0			-	-	10	-	No discharge
	pH	pH		0			-	-	6.5-8.5	-	No discharge
	Total organic carbon	mg/L		0			-	-	-	-	No discharge

¹The Total Suspended Solids concentration limits specified for Points 9 and 10 may be exceeded for water discharged provided that:

- (a) the discharge occurs solely as a result of rainfall measured at the premises that exceeds 38.4 millimetres over any consecutive 5 day period immediately prior to the discharge occurring; and
- (b) all practical measures have been implemented to dewater all sediment dams within 5 days of rainfall such that they have sufficient capacity to store run off from a 38.4 millimetre, 5 day rainfall event.

* 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.

Figure 1 – EPL 12957 Monitoring Locations

