



## 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:** January 2017

**Obtained Date:** 14<sup>th</sup> February 2017

**Publication Date:** 21<sup>st</sup> February 2017

**Table 1 - No Pollutant Limits Apply**

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	g/m <sup>2</sup> /month	Continuous	1	16/01/17	24/01/17	-	-	-	0.4
2	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	16/01/17	24/01/17	-	-	-	2.2
4	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	16/01/17	24/01/17	-	-	-	2.3
5	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	16/01/17	24/01/17	-	-	-	0.5
6	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	16/01/17	24/01/17	-	-	-	1.2
7	PM <sub>10</sub>	µg/m <sup>3</sup>	Every 6 days	5	Various	14/02/17	5.1	15.7	16.4	25.7
9	Conductivity	µS/cm	Special Frequency 1*	-	-	-	-	-	-	-
	Total organic carbon	mg/L					-	-	-	-
10	Conductivity	µS/cm		-	-	-	-	-	-	-

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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	Special Frequency 1*				-	-	-	-
11	TSS	mg/L	Special Frequency 2**	-	-	-	-	-	-	-
	Conductivity	µS/cm		-			-	-	-	
	Oil & Grease	mg/L		-			-	-	-	
	pH	pH		-			-	-	-	
	Total organic carbon	mg/L		-			-	-	-	
12	TSS	mg/L	Special Frequency 2**	-	-	-	-	-	-	-
	Conductivity	µS /cm		-			-	-	-	
	Oil & Grease	mg/L		-			-	-	-	
	pH	pH		-			-	-	-	
	Total organic carbon	mg/L		-			-	-	-	

**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

\* 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.

**SUNNYSIDE COAL MINE – MONTHLY MONITORING SUMMARY**

\*\* 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 3 – Monitoring (Blasts – Limits Apply)**

Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max or Only Value	100%ile Limit	(Potential) Non-compliance/breach
R1	Blast Noise	dB (Lin Peak)	Every Blast	0	-	-	-	-
	Blast Vibration	mm/s			-	-	-	-
R2	Blast Noise	dB (Lin Peak)	Every Blast	0	-	-	-	-
	Blast Vibration	mm/s			-	-	-	-
R4	Blast Noise	dB (Lin Peak)	Every Blast	0	-	-	-	-
	Blast Vibration	mm/s			-	-	-	-
R6	Blast Noise	dB (Lin Peak)	Every Blast	0	-	-	-	-
	Blast Vibration	mm/s			-	-	-	-

**SUNNYSIDE COAL MINE – MONTHLY MONITORING SUMMARY**

Figure 1 – EPL 12957 Monitoring Locations





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### 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:** February 2017

**Obtained Date:** 8 March 2017

**Publication Date:** 20 March 2017

**Table 1 - No Pollutant Limits Apply**

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	g/m <sup>2</sup> /month	Continuous	1	17/02/17	27/02/17	-	-	-	1.4
2	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	17/02/17	27/02/17	-	-	-	1.0
4	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	17/02/17	27/02/17	-	-	-	6.6
5	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	17/02/17	27/02/17	-	-	-	1.0
6	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	17/02/17	27/02/17	-	-	-	26.8
7	PM <sub>10</sub>	µg/m <sup>3</sup>	Every 6 days	4	Various	8/03/17	10.6	21.0	22.2	29.0
9	Conductivity	µS/cm	Special Frequency 1*	-	-	-	-	-	-	-
	Total organic carbon	mg/L					-	-	-	-
10	Conductivity	µS/cm		-	-	-	-	-	-	-

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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	Special Frequency 1*				-	-	-	-
11	TSS	mg/L	Special Frequency 2**	-	-	-	-	-	-	-
	Conductivity	µS/cm		-			-	-	-	
	Oil & Grease	mg/L		-			-	-	-	
	pH	pH		-			-	-	-	
	Total organic carbon	mg/L		-			-	-	-	
12	TSS	mg/L	Special Frequency 2**	-	-	-	-	-	-	-
	Conductivity	µS /cm		-			-	-	-	
	Oil & Grease	mg/L		-			-	-	-	
	pH	pH		-			-	-	-	
	Total organic carbon	mg/L		-			-	-	-	

**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

\* 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.



**SUNNYSIDE COAL MINE – MONTHLY MONITORING SUMMARY**

\*\* 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 3 – Monitoring (Blasts – Limits Apply)**

Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max or Only Value	100%ile Limit	(Potential) Non-compliance/breach
R1	Blast Noise	dB (Lin Peak)	Every Blast	0	-	-	-	-
	Blast Vibration	mm/s			-	-	-	-
R2	Blast Noise	dB (Lin Peak)	Every Blast	0	-	-	-	-
	Blast Vibration	mm/s			-	-	-	-
R4	Blast Noise	dB (Lin Peak)	Every Blast	0	-	-	-	-
	Blast Vibration	mm/s			-	-	-	-
R6	Blast Noise	dB (Lin Peak)	Every Blast	0	-	-	-	-
	Blast Vibration	mm/s			-	-	-	-

**SUNNYSIDE COAL MINE – MONTHLY MONITORING SUMMARY**

Figure 1 – EPL 12957 Monitoring Locations







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**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 2017

**Obtained Date:** 12<sup>th</sup> April 2017

**Publication Date:** 26<sup>th</sup> April 2017

**Table 1 - No Pollutant Limits Apply**

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	g/m <sup>2</sup> /month	Continuous	1	20/03/17	28/03/17	-	-	-	1.2
2	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	20/03/17	28/03/17	-	-	-	0.6
4	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	20/03/17	28/03/17	-	-	-	3.6
5	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	20/03/17	28/03/17	-	-	-	3.3
6	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	20/03/17	28/03/17	-	-	-	1.1
7	PM <sub>10</sub>	µg/m <sup>3</sup>	Every 6 days	6	Various	12/04/17	4.4	7.4	6.9	11.1
9	Conductivity	µS/cm	Special Frequency 1*	-	-	-	-	-	-	-
	Total organic carbon	mg/L					-	-	-	-
10	Conductivity	µS/cm		-	-	-	-	-	-	-

## SUNNYSIDE COAL MINE – MONTHLY MONITORING SUMMARY

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	Special Frequency 1*				-	-	-	-
11	TSS	mg/L	Special Frequency 2**	-	-	-	-	-	-	-
	Conductivity	µS/cm		-			-	-	-	
	Oil & Grease	mg/L		-			-	-	-	
	pH	pH		-			-	-	-	
	Total organic carbon	mg/L		-			-	-	-	
12	TSS	mg/L	Special Frequency 2**	-	-	-	-	-	-	-
	Conductivity	µS /cm		-			-	-	-	
	Oil & Grease	mg/L		-			-	-	-	
	pH	pH		-			-	-	-	
	Total organic carbon	mg/L		-			-	-	-	

**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

\* 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.

**SUNNYSIDE COAL MINE – MONTHLY MONITORING SUMMARY**

\*\* 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 3 – Monitoring (Blasts – Limits Apply)**

Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max or Only Value	100%ile Limit	(Potential) Non-compliance/breach
R1	Blast Noise	dB (Lin Peak)	Every Blast	0	-	-	-	-
	Blast Vibration	mm/s			-	-	-	-
R2	Blast Noise	dB (Lin Peak)	Every Blast	0	-	-	-	-
	Blast Vibration	mm/s			-	-	-	-
R4	Blast Noise	dB (Lin Peak)	Every Blast	0	-	-	-	-
	Blast Vibration	mm/s			-	-	-	-
R6	Blast Noise	dB (Lin Peak)	Every Blast	0	-	-	-	-
	Blast Vibration	mm/s			-	-	-	-

**SUNNYSIDE COAL MINE – MONTHLY MONITORING SUMMARY**

Figure 1 – EPL 12957 Monitoring Locations





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### 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 Coocooboonah Lane, GUNNEDAH NSW 2380

**EPL Monitoring Points:** See Figure 1 below

**Sampling Period:** April 2017

**Obtained Date:** 16 May 2017

**Publication Date:** 16 May 2017

**Table 1 - No Pollutant Limits Apply**

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	g/m <sup>2</sup> /month	Continuous	0	-	-	-	-	-	-
2	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	0	-	-	-	-	-	-
4	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	0	-	-	-	-	-	-
5	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	0	-	-	-	-	-	-
6	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	0	-	-	-	-	-	-
7	PM <sub>10</sub>	µg/m <sup>3</sup>	Every 6 days	5	Various	15/5/2017	2.3	8.04	5.8	15.7
9	Conductivity	µS/cm	Special Frequency 1*	-	-	-	-	-	-	-
	Total organic carbon	mg/L					-	-	-	-
10	Conductivity	µS/cm		-	-	-	-	-	-	-



## SUNNYSIDE COAL MINE – MONTHLY MONITORING SUMMARY

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	Special Frequency 1*				-	-	-	-
11	TSS	mg/L	Special Frequency 2**	-	-	-	-	-	-	-
	Conductivity	µS/cm		-			-	-	-	
	Oil & Grease	mg/L		-			-	-	-	
	pH	pH		-			-	-	-	
	Total organic carbon	mg/L		-			-	-	-	
12	TSS	mg/L	Special Frequency 2**	-	-	-	-	-	-	-
	Conductivity	µS /cm		-			-	-	-	
	Oil & Grease	mg/L		-			-	-	-	
	pH	pH		-			-	-	-	
	Total organic carbon	mg/L		-			-	-	-	

**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

\* 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.

**SUNNYSIDE COAL MINE – MONTHLY MONITORING SUMMARY**

\*\* 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 3 – Monitoring (Blasts – Limits Apply)**

Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max or Only Value	100%ile Limit	(Potential) Non-compliance/breach
R1	Blast Noise	dB (Lin Peak)	Every Blast	0	-	-	-	-
	Blast Vibration	mm/s			-	-	-	-
R2	Blast Noise	dB (Lin Peak)	Every Blast	0	-	-	-	-
	Blast Vibration	mm/s			-	-	-	-
R4	Blast Noise	dB (Lin Peak)	Every Blast	0	-	-	-	-
	Blast Vibration	mm/s			-	-	-	-
R6	Blast Noise	dB (Lin Peak)	Every Blast	0	-	-	-	-
	Blast Vibration	mm/s			-	-	-	-

**SUNNYSIDE COAL MINE – MONTHLY MONITORING SUMMARY**

Figure 1 – EPL 12957 Monitoring Locations



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**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:** May 2017

**Obtained Date:** 14 June 2017

**Publication Date:** 22 June 2017

**Table 1 - No Pollutant Limits Apply**

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	g/m <sup>2</sup> /month	Continuous	1	18/05/17	24/05/17	-	-	-	0.4
2	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	18/05/17	24/05/17	-	-	-	0.3
4	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	18/05/17	24/05/17	-	-	-	1.7
5	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	18/05/17	24/05/17	-	-	-	0.7
6	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	18/05/17	24/05/17	-	-	-	0.6
7	PM <sub>10</sub>	µg/m <sup>3</sup>	Every 6 days	5	Various	14/06/2017	1.2	7.8	4.8	18.0
9	Conductivity	µS/cm	Special Frequency 1*	-	-	-	-	-	-	-
	Total organic carbon	mg/L					-	-	-	-
10	Conductivity	µS/cm		-	-	-	-	-	-	-

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	Total organic carbon	mg/L	Special Frequency 1*				-	-	-	-
11	TSS	mg/L	Special Frequency 2**	-	-	-	-	-	-	-
	Conductivity	µS/cm		-			-	-	-	
	Oil & Grease	mg/L		-			-	-	-	
	pH	pH		-			-	-	-	
	Total organic carbon	mg/L		-			-	-	-	
12	TSS	mg/L	Special Frequency 2**	-	-	-	-	-	-	-
	Conductivity	µS /cm		-			-	-	-	
	Oil & Grease	mg/L		-			-	-	-	
	pH	pH		-			-	-	-	
	Total organic carbon	mg/L		-			-	-	-	

**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

\* 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.



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\*\* 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 3 – Monitoring (Blasts – Limits Apply)**

Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max or Only Value	100%ile Limit	(Potential) Non-compliance/breach
R1	Blast Noise	dB (Lin Peak)	Every Blast	0	-	-	-	-
	Blast Vibration	mm/s			-	-	-	-
R2	Blast Noise	dB (Lin Peak)	Every Blast	0	-	-	-	-
	Blast Vibration	mm/s			-	-	-	-
R4	Blast Noise	dB (Lin Peak)	Every Blast	0	-	-	-	-
	Blast Vibration	mm/s			-	-	-	-
R6	Blast Noise	dB (Lin Peak)	Every Blast	0	-	-	-	-
	Blast Vibration	mm/s			-	-	-	-

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Figure 1 – EPL 12957 Monitoring Locations





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**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:** June 2017

**Obtained Date:** 13<sup>th</sup> July 2017

**Publication Date:** 18<sup>th</sup> July 2017

**Table 1 - No Pollutant Limits Apply**

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	g/m <sup>2</sup> /month	Continuous	1	19/06/17	26/06/17	-	-	-	1.0
2	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	19/06/17	26/06/17	-	-	-	2.8
4	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	19/06/17	26/06/17	-	-	-	3.9
5	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	19/06/17	26/06/17	-	-	-	0.4
6	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	19/06/17	26/06/17	-	-	-	0.2
7	PM <sub>10</sub>	µg/m <sup>3</sup>	Every 6 days	5	Various	13/07/17	1.8	4.9	5.3	6.9
9	Conductivity	µS/cm	Special Frequency 1*	-	-	-	-	-	-	-
	Total organic carbon	mg/L					-	-	-	-
10	Conductivity	µS/cm		-	-	-	-	-	-	-

## SUNNYSIDE COAL MINE – MONTHLY MONITORING SUMMARY

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	Special Frequency 1*				-	-	-	-
11	TSS	mg/L	Special Frequency 2**	-			-	-	-	-
	Conductivity	µS/cm		-			-	-	-	
	Oil & Grease	mg/L		-			-	-	-	
	pH	pH		-			-	-	-	
	Total organic carbon	mg/L		-			-	-	-	
12	TSS	mg/L	Special Frequency 2**	-			-	-	-	-
	Conductivity	µS /cm		-			-	-	-	
	Oil & Grease	mg/L		-			-	-	-	
	pH	pH		-			-	-	-	
	Total organic carbon	mg/L		-			-	-	-	

**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

\* 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.

**SUNNYSIDE COAL MINE – MONTHLY MONITORING SUMMARY**

\*\* 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 3 – Monitoring (Blasts – Limits Apply)**

Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max or Only Value	100%ile Limit	(Potential) Non-compliance/breach
R1	Blast Noise	dB (Lin Peak)	Every Blast	0	-	-	-	-
	Blast Vibration	mm/s			-	-	-	-
R2	Blast Noise	dB (Lin Peak)	Every Blast	0	-	-	-	-
	Blast Vibration	mm/s			-	-	-	-
R4	Blast Noise	dB (Lin Peak)	Every Blast	0	-	-	-	-
	Blast Vibration	mm/s			-	-	-	-
R6	Blast Noise	dB (Lin Peak)	Every Blast	0	-	-	-	-
	Blast Vibration	mm/s			-	-	-	-



**SUNNYSIDE COAL MINE – MONTHLY MONITORING SUMMARY**

Figure 1 – EPL 12957 Monitoring Locations





## 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:** July 2017

**Obtained Date:** 15<sup>th</sup> August 2017

**Publication Date:** 28<sup>th</sup> August 2017

**Table 1 - No Pollutant Limits Apply**

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	g/m <sup>2</sup> /month	Continuous	1	19/07/17	27/07/17	-	-	-	0.7
2	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	19/07/17	27/07/17	-	-	-	2.5
4	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	19/07/17	27/07/17	-	-	-	4.5
5	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	19/07/17	27/07/17	-	-	-	2.6
6	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	19/07/17	27/07/17	-	-	-	0.7
7	PM <sub>10</sub>	µg/m <sup>3</sup>	Every 6 days	5	Various	15/08/17	1.2	3.9	4.7	5.6
9	Conductivity	µS/cm	Special Frequency 1*	-	-	-	-	-	-	-
	Total organic carbon	mg/L					-	-	-	-
10	Conductivity	µS/cm		-	-	-	-	-	-	-

## SUNNYSIDE COAL MINE – MONTHLY MONITORING SUMMARY

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	Special Frequency 1*				-	-	-	-
11	TSS	mg/L	Special Frequency 2**	-			-	-	-	-
	Conductivity	µS/cm		-			-	-	-	
	Oil & Grease	mg/L		-			-	-	-	
	pH	pH		-			-	-	-	
	Total organic carbon	mg/L		-			-	-	-	
12	TSS	mg/L	Special Frequency 2**	-			-	-	-	-
	Conductivity	µS /cm		-			-	-	-	
	Oil & Grease	mg/L		-			-	-	-	
	pH	pH		-			-	-	-	
	Total organic carbon	mg/L		-			-	-	-	

**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

\* 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.

**SUNNYSIDE COAL MINE – MONTHLY MONITORING SUMMARY**

\*\* 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 3 – Monitoring (Blasts – Limits Apply)**

Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max or Only Value	100%ile Limit	(Potential) Non-compliance/breach
R1	Blast Noise	dB (Lin Peak)	Every Blast	0	-	-	-	-
	Blast Vibration	mm/s			-	-	-	-
R2	Blast Noise	dB (Lin Peak)	Every Blast	0	-	-	-	-
	Blast Vibration	mm/s			-	-	-	-
R4	Blast Noise	dB (Lin Peak)	Every Blast	0	-	-	-	-
	Blast Vibration	mm/s			-	-	-	-
R6	Blast Noise	dB (Lin Peak)	Every Blast	0	-	-	-	-
	Blast Vibration	mm/s			-	-	-	-



**SUNNYSIDE COAL MINE – MONTHLY MONITORING SUMMARY**

Figure 1 – EPL 12957 Monitoring Locations







## 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:** August 2017

**Obtained Date:** 15<sup>th</sup> September 2017

**Publication Date:** 21<sup>st</sup> September 2017

**Table 1 - No Pollutant Limits Apply**

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	g/m <sup>2</sup> /month	Continuous	1	18/08/17	28/08/17	-	-	-	0.3
2	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	18/08/17	28/08/17	-	-	-	1.2
4	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	18/08/17	28/08/17	-	-	-	6.8
5	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	18/08/17	28/05/17	-	-	-	0.6
6	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	18/08/17	28/08/17	-	-	-	0.1
7	PM <sub>10</sub>	µg/m <sup>3</sup>	Every 6 days	5	Various	15/09/17	2.6	8.2	5.9	16.7
9	Conductivity	µS/cm	Special Frequency 1*	-	-	-	-	-	-	-
	Total organic carbon	mg/L					-	-	-	-
10	Conductivity	µS/cm		-	-	-	-	-	-	-

## SUNNYSIDE COAL MINE – MONTHLY MONITORING SUMMARY

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	Special Frequency 1*				-	-	-	-
11	TSS	mg/L	Special Frequency 2**	-	-	-	-	-	-	-
	Conductivity	µS/cm		-			-	-	-	
	Oil & Grease	mg/L		-			-	-	-	
	pH	pH		-			-	-	-	
	Total organic carbon	mg/L		-			-	-	-	
12	TSS	mg/L	Special Frequency 2**	-	-	-	-	-	-	-
	Conductivity	µS /cm		-			-	-	-	
	Oil & Grease	mg/L		-			-	-	-	
	pH	pH		-			-	-	-	
	Total organic carbon	mg/L		-			-	-	-	

**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

\* 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.

**SUNNYSIDE COAL MINE – MONTHLY MONITORING SUMMARY**

\*\* 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 3 – Monitoring (Blasts – Limits Apply)**

Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max or Only Value	100%ile Limit	(Potential) Non-compliance/breach
R1	Blast Noise	dB (Lin Peak)	Every Blast	0	-	-	-	-
	Blast Vibration	mm/s			-	-	-	-
R2	Blast Noise	dB (Lin Peak)	Every Blast	0	-	-	-	-
	Blast Vibration	mm/s			-	-	-	-
R4	Blast Noise	dB (Lin Peak)	Every Blast	0	-	-	-	-
	Blast Vibration	mm/s			-	-	-	-
R6	Blast Noise	dB (Lin Peak)	Every Blast	0	-	-	-	-
	Blast Vibration	mm/s			-	-	-	-

**SUNNYSIDE COAL MINE – MONTHLY MONITORING SUMMARY**

Figure 1 – EPL 12957 Monitoring Locations





## 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:** September 2017

**Obtained Date:** 11<sup>th</sup> October 2017

**Publication Date:** 24<sup>th</sup> October 2017

**Table 1 - No Pollutant Limits Apply**

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	g/m <sup>2</sup> /month	Continuous	1	19/09/17	28/09/17	-	-	-	0.8
2	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	19/09/17	28/09/17	-	-	-	0.9
4	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	19/09/17	28/09/17	-	-	-	0.4
5	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	19/09/17	28/09/17	-	-	-	0.9
6	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	19/09/17	28/09/17	-	-	-	0.8
7	PM <sub>10</sub>	µg/m <sup>3</sup>	Every 6 days	5	Various	11/10/17	4.8	15.0	16.9	31.4
9	Conductivity	µS/cm	Special Frequency 1*	-	-	-	-	-	-	-
	Total organic carbon	mg/L					-	-	-	-
10	Conductivity	µS/cm		-	-	-	-	-	-	-



## SUNNYSIDE COAL MINE – MONTHLY MONITORING SUMMARY

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	Special Frequency 1*				-	-	-	-
11	TSS	mg/L	Special Frequency 2**	-	-	-	-	-	-	-
	Conductivity	µS/cm		-			-	-	-	
	Oil & Grease	mg/L		-			-	-	-	
	pH	pH		-			-	-	-	
	Total organic carbon	mg/L		-			-	-	-	
12	TSS	mg/L	Special Frequency 2**	-	-	-	-	-	-	-
	Conductivity	µS /cm		-			-	-	-	
	Oil & Grease	mg/L		-			-	-	-	
	pH	pH		-			-	-	-	
	Total organic carbon	mg/L		-			-	-	-	

**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

\* 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.

**SUNNYSIDE COAL MINE – MONTHLY MONITORING SUMMARY**

\*\* 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 3 – Monitoring (Blasts – Limits Apply)**

Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max or Only Value	100%ile Limit	(Potential) Non-compliance/breach
19	Blast Noise	dB (Lin Peak)	Every Blast	1	-	98.3	120	No
	Blast Vibration	mm/s			-	0.32	10	No
20	Blast Noise	dB (Lin Peak)	Every Blast	1	-	101.0	120	No
	Blast Vibration	mm/s			-	0.50	10	No
23	Blast Noise	dB (Lin Peak)	Every Blast	1	-	104.4	120	No
	Blast Vibration	mm/s			-	0.89	10	No
24	Blast Noise	dB (Lin Peak)	Every Blast	1	-	67.0	120	No
	Blast Vibration	mm/s			-	0.46	10	No

**SUNNYSIDE COAL MINE – MONTHLY MONITORING SUMMARY**

Figure 1 – EPL 12957 Monitoring Locations





## 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:** October 2017

**Obtained Date:** 9<sup>th</sup> November 2017

**Publication Date:** 17<sup>th</sup> November 2017

**Table 1 - No Pollutant Limits Apply**

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	g/m <sup>2</sup> /month	Continuous	1	19/10/17	26/10/17	-	-	-	1.4
2	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	19/10/16	26/10/17	-	-	-	1.3
4	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	19/10/16	26/10/17	-	-	-	4
5	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	19/10/16	26/10/17	-	-	-	1.2
6	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	19/10/16	26/10/17	-	-	-	0.7
7	PM <sub>10</sub>	µg/m <sup>3</sup>	Every 6 days	5	Various	9/11/17	4.1	6.3	7.2	8.0
9	Conductivity	µS/cm	Special Frequency 1*	-	-	-	-	-	-	-
	Total organic carbon	mg/L					-	-	-	-
10	Conductivity	µS/cm		-	-	-	-	-	-	-

## SUNNYSIDE COAL MINE – MONTHLY MONITORING SUMMARY

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	Special Frequency 1*				-	-	-	-
11	TSS	mg/L	Special Frequency 2**	-	-	-	-	-	-	-
	Conductivity	µS/cm		-			-	-	-	
	Oil & Grease	mg/L		-			-	-	-	
	pH	pH		-			-	-	-	
	Total organic carbon	mg/L		-			-	-	-	
12	TSS	mg/L	Special Frequency 2**	-	-	-	-	-	-	-
	Conductivity	µS /cm		-			-	-	-	
	Oil & Grease	mg/L		-			-	-	-	
	pH	pH		-			-	-	-	
	Total organic carbon	mg/L		-			-	-	-	

**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

\* 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.



**SUNNYSIDE COAL MINE – MONTHLY MONITORING SUMMARY**

\*\* 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 3 – Monitoring (Blasts – Limits Apply)**

Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max or Only Value	100%ile Limit	(Potential) Non-compliance/breach
19	Blast Noise	dB (Lin Peak)	Every Blast	2	102.4	0.9	120	No
	Blast Vibration	mm/s			101.4	0.8	10	No
20	Blast Noise	dB (Lin Peak)	Every Blast	2	106	106.8	120	No
	Blast Vibration	mm/s			0.6	0.84	10	No
23	Blast Noise	dB (Lin Peak)	Every Blast	2	109.5	109.8	120	No
	Blast Vibration	mm/s			0.6	0.98	10	No
24	Blast Noise	dB (Lin Peak)	Every Blast	2	86.7	107.3	120	No
	Blast Vibration	mm/s			0.6	0.7	10	No

**SUNNYSIDE COAL MINE – MONTHLY MONITORING SUMMARY**

Figure 1 – EPL 12957 Monitoring Locations





## 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:** November 2017

**Obtained Date:** 11<sup>th</sup> December 2017 2017

**Publication Date:** 14<sup>th</sup> December 2017

**Table 1 - No Pollutant Limits Apply**

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	g/m <sup>2</sup> /month	Continuous	1	17/11/17	24/11/17	-	-	-	1
2	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	17/11/17	24/11/17	-	-	-	3.1
4	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	17/11/17	24/11/17	-	-	-	1.4
5	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	17/11/17	24/11/17	-	-	-	11.7
6	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	17/11/17	24/11/17	-	-	-	0.8
7	PM <sub>10</sub>	µg/m <sup>3</sup>	Every 6 days	5	Various	11/12/17	1.7	7.5	7.7	17.1
9	Conductivity	µS/cm	Special Frequency 1*	-	-	-	-	-	-	-
	Total organic carbon	mg/L					-	-	-	-
10	Conductivity	µS/cm		-	-	-	-	-	-	-

## SUNNYSIDE COAL MINE – MONTHLY MONITORING SUMMARY

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	Special Frequency 1*				-	-	-	-
11	TSS	mg/L	Special Frequency 2**	-	-	-	-	-	-	-
	Conductivity	µS/cm		-			-	-	-	
	Oil & Grease	mg/L		-			-	-	-	
	pH	pH		-			-	-	-	
	Total organic carbon	mg/L		-			-	-	-	
12	TSS	mg/L	Special Frequency 2**	-	-	-	-	-	-	-
	Conductivity	µS /cm		-			-	-	-	
	Oil & Grease	mg/L		-			-	-	-	
	pH	pH		-			-	-	-	
	Total organic carbon	mg/L		-			-	-	-	

**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

\* 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.

### SUNNYSIDE COAL MINE – MONTHLY MONITORING SUMMARY

\*\* 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 3 – Monitoring (Blasts – Limits Apply)**

Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max or Only Value	100%ile Limit	(Potential) Non-compliance/breach
19	Blast Noise	dB (Lin Peak)	Every Blast	3	94.7	105.2	120	No
	Blast Vibration	mm/s			0.5	0.7	10	No
20	Blast Noise	dB (Lin Peak)	Every Blast	3	103.7	109.1	120	No
	Blast Vibration	mm/s			0.5	0.8	10	No
23	Blast Noise	dB (Lin Peak)	Every Blast	3	103.1	107.7	120	No
	Blast Vibration	mm/s			0.33	0.42	10	No
24	Blast Noise	dB (Lin Peak)	Every Blast	3	80.2	112.8	120	No
	Blast Vibration	mm/s			0.57	0.93	10	No



**SUNNYSIDE COAL MINE – MONTHLY MONITORING SUMMARY**

Figure 1 – EPL 12957 Monitoring Locations





## 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:** December 2017

**Obtained Date:** 5<sup>th</sup> January 2017

**Publication Date:** 16<sup>th</sup> January 2018

**Table 1 - No Pollutant Limits Apply**

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	g/m <sup>2</sup> /month	Continuous	1	18/12/17	4/01/18	-	-	-	1
2	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	18/12/17	4/01/18	-	-	-	3.1
4	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	18/12/17	4/01/18	-	-	-	1.6
5	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	18/12/17	4/01/18	-	-	-	2.3
6	Particulates-Deposited Matter	g/m <sup>2</sup> /month	Continuous	1	18/12/17	4/01/18	-	-	-	1.1
7	PM <sub>10</sub>	µg/m <sup>3</sup>	Every 6 days	5	Various	5/01/18	6.5	12.2	11.3	18.2
9	Conductivity	µS/cm	Special Frequency 1*	-	-	-	-	-	-	-
	Total organic carbon	mg/L					-	-	-	-
10	Conductivity	µS/cm		-	-	-	-	-	-	-

## SUNNYSIDE COAL MINE – MONTHLY MONITORING SUMMARY

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	Special Frequency 1*				-	-	-	-
11	TSS	mg/L	Special Frequency 2**	-	-	-	-	-	-	-
	Conductivity	µS/cm		-			-	-	-	
	Oil & Grease	mg/L		-			-	-	-	
	pH	pH		-			-	-	-	
	Total organic carbon	mg/L		-			-	-	-	
12	TSS	mg/L	Special Frequency 2**	-	-	-	-	-	-	-
	Conductivity	µS /cm		-			-	-	-	
	Oil & Grease	mg/L		-			-	-	-	
	pH	pH		-			-	-	-	
	Total organic carbon	mg/L		-			-	-	-	

**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

\* 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.

**SUNNYSIDE COAL MINE – MONTHLY MONITORING SUMMARY**

\*\* 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 3 – Monitoring (Blasts – Limits Apply)**

Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max or Only Value	100%ile Limit	(Potential) Non-compliance/breach
19	Blast Noise	dB (Lin Peak)	Every Blast	1	-	101.3	120	No
	Blast Vibration	mm/s			-	0.26	10	No
20	Blast Noise	dB (Lin Peak)	Every Blast	1	-	102.6	120	No
	Blast Vibration	mm/s			-	0.28	10	No
23	Blast Noise	dB (Lin Peak)	Every Blast	1	-	103.3	120	No
	Blast Vibration	mm/s			-	0.50	10	No
24	Blast Noise	dB (Lin Peak)	Every Blast	1	-	104.3	120	No
	Blast Vibration	mm/s			-	0.27	10	No



**SUNNYSIDE COAL MINE – MONTHLY MONITORING SUMMARY**

Figure 1 – EPL 12957 Monitoring Locations

