

**Pine Dale Mine EPA Compliance Data - August  
2020**

**M5 Monitoring of Pollution Complaints - Summary**

**Number of Complaints / Enquiries / Notifications - August 2020**

Pollution Category	Number Received
Air	0
Water	0
Noise	0
Waste	0
Blast	0
Other	0
Enquiry / Notification	0

**Notes:**

Refer to Complaints register section of Energy Australia Pine Dale Mine website for further details.

**M2 Requirement to Monitor Concentration of Pollutants Discharged**

**M2.2 Air Monitoring Requirements**

	EPL Point 6	EPL Point 8	EPL Point 10	EPL Point 11	EPL Point 12
	Dust Gauge D1	Dust Gauge D3	Dust Gauge D4	Dust Gauge D5	Dust Gauge D6
Insoluble Solids sample results for month of August 2020 (g/m <sup>2</sup> per mth)	0.6	0.6	0.4	0.4	0.1
No of Samples required by licence for the period: 24/11/19 - 23/11/20	12	12	12	12	12
No of Samples collected & analysed: 24/11/19 - 31/8/20	9	9	9	9	9
Lowest Sample value (24/11/19 - 31/8/20)(g/m <sup>2</sup> per mth)	0.4	0.4	0.1	0.2	0.1
Mean of samples (24/11/19 - 31/8/20) (g/m <sup>2</sup> per mth)	1.4	1.5	1.6	1.8	1.4
Highest sample value (24/11/19 - 31/8/20) (g/m <sup>2</sup> per mth)	4.4	3.4	4.6	3.5	4.0

	EPL Point 9	EPL Point 9
	HVAS TSP	HVAS PM <sub>10</sub>
Sample results for month of August 2020 (µg/m <sup>3</sup> )	06-Aug-20	13
	12-Aug-20	14
	18-Aug-20	5
	21-Aug-20	5
	24-Aug-20	6
	28-Aug-20	9
	30-Aug-20	19
No of Samples required by licence for the period: 24/11/19 - 23/11/20	61	61
No of Samples collected & analysed (24/11/19 - 31/8/20)	47	47
Lowest Sample value (24/11/19 - 31/8/2020) (µg/m <sup>3</sup> )	2	1
Mean of samples (24/11/19 - 31/8/20) (µg/m <sup>3</sup> )	51	32
Highest sample value (24/11/19 -31/8/20) (µg/m <sup>3</sup> )	450	355

**Notes:**

Refer to Community Consultive Monthly Reports for maps of sample locations  
PM<sub>10</sub> invalid run on 6 and 12 August, re-run on 21 and 28 August 2020

<sup>a</sup> PM<sub>10</sub> run ran for 62 hours due to timer error.



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**M2.3 Water Monitoring Requirements**

		<b>EPL Point 2</b>	<b>EPL Point 3</b>	<b>EPL Point 14</b>
		<b>Neubeck's Creek Upstream of Flow Gauge</b>	<b>Neubeck's Creek Downstream from Offices</b>	<b>Cox's River Downstream of Blue Lake</b>
Sample results* for month of August 2020	pH	7.33	7.08	7.25
	Conductivity (µS/cm)	581	440	614
	Sulphate (mg/L)	178	586	1730
	Iron - filterable (mg/L)	0.06	0.62	<0.05
	TSS (mg/L)	<5	7.00	<5
	Turbidity (NTU)	4	4	10
No of Samples required by licence for the period: 24/11/19 - 23/11/20		4	4	4
No of Samples collected & analysed (24/11/19 - 31/8/20)		3	3	3

**Notes:**  
 NA - no samples required for monitoring period. Reporting year runs from 24 Nov 2019 to 23 Nov 2020  
 \* Pine Dale Mine does not have water quality licence limits for ambient water quality monitoring of Points 2, 3 & 14 in its EPL.  
 Refer to Community Consultive Monthly Reports for Maps of Sample Locations

		<b>EPL Point 13 Discharge to Neubecks Creek</b>	<b>EPL 100 percentile concentration limit</b>
Sample results for month of August 2020	pH	NA	<b>6.5 - 8.5</b>
	Conductivity (µS/cm)	NA	
	Sulphate (mg/L)	NA	
	Iron (filterable)	NA	
	TSS (mg/L)	NA	<b>30</b>
	Turbidity (NTU)	NA	
	Oil & Grease (mg/L)	NA	<b>10</b>
No of Samples required by licence (24/11/19 - 23/11/20)		NA	
No of Samples collected & analysed (24/11/19 - 31/8/20)		NA	

**Notes:**  
 NA - no samples required for monitoring period due to no discharge events.  
 Refer to Community Consultive Monthly Reports for Maps of Sample Locations

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**L4 Noise Limits**

	Location	Date	Start Time	Daytime Noise Level recorded dB (LAeq 15 minute)	PDM Noise Contribution (LAeq 15 minute)	Daytime Noise Limit dB (LAeq 15 minute)
Results for August 2020	NM1 (EPL Ref No. 33)	NA	NA	NA	NA	42.0
	NM2 (EPL Ref No. 14)	NA	NA	NA	NA	42.0
	NM3 (EPL Ref No. 10)	NA	NA	NA	NA	42.0
	NM4 (EPL Ref No. 5)	NA	NA	NA	NA	35.0
	NM5 (EPL Ref No. 4)	NA	NA	NA	NA	35.0
	NM6 (EPL Ref No. 2)	NA	NA	NA	NA	35.0

**Notes:**

NA - no samples required for monitoring period.

Nil –Noise source not audible during survey session

Noise monitoring is conducted at the same sites as depositional dust monitoring. Refer to Community Consultive Monthly Reports for maps of sample locations

**L5 Blasting**

Date	Park Street Blackmans Flat		Noon St.		Summer St.	
	Overpressure (dB)	Vibration (mm/sec)	Overpressure (dB)	Vibration (mm/sec)	Overpressure (dB)	Vibration (mm/sec)
No blasting undertaken during August 2020.						

**Notes:**

NT - no trigger of monitoring equipment recorded at this monitoring location.

**EPL Blasting Limit for 95% of blasts:**

- Airblast overpressure level of **115dB**
- Ground vibration peak velocity of **5mm/sec**

**EPL Blasting Limit for 100% of blasts:**

- Airblast overpressure level of **120dB**
- Ground Vibration peak velocity of **10mm/sec**



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**M4 Weather Monitoring**

<b>Parameter required to be monitored</b>	<b>Monitoring Period Required</b>	<b>Compliance Achieved this Month</b>
Air Temperature	Continuous	Yes
Wind Direction	Continuous	Yes
Wind Speed	Continuous	Yes
Sigma theta	Continuous	Yes
Rainfall	Continuous	Yes
Relative Humidity	Continuous	Yes

**Notes:**

Refer to Community Consultive Committee Report for Weather Monitoring Data.



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