



Dunmore Quarry

Environmental Monitoring Report

September 2018

Date Published: November 2018



Dunmore Quarry Environmental Monitoring Report

This monitoring report is to satisfy the requirements of Section 66 (6) of the Protection of the Environment and Operations Act 1997, to make available, within 14 days of request, any monitoring data that relates to pollution under an Environment Protection Licence.

The monitoring of pollutants provided in this report is undertaken as per the requirements of Environment Protection Licence 77 (EPL 77 – Boral Dunmore Quarry)

This report provides environmental monitoring data for Dunmore Quarry for the period 1st October 2015 to 30th August 2018.

Dunmore Quarry Information	
Premise Details	Boral – Dunmore Quarry
Address	Princes Highway, Dunmore NSW, 2529
Licensee	Boral Resources (NSW) PTY LTD
EPL N ^o	77
EPL Location	http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=33270&SYSUID=1&LICID=77

Monitoring data in this report relates to the monitoring undertaken in the reporting period for the following environmental pollutants:

- Deposited Dust
- Dust PM10
- Water Quality
- Blasting

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Air Quality

Air Quality Monitoring is conducted as per condition M2.2 of EPL 77. The air quality results for the reporting period are tabled below.

Deposited Dust

Deposited Dust (g/m²/month) results for the reporting period:

Sample Period: September 2018
 Date received: 25/10/18
 Licensee: Dunmore Quarry
 Licensee Address: Princes Hwy, Dunmore NSW 2529
 EPL No: 77

Qualifications related to Dust

Air Emissions Monitoring - Dust Deposition Gauge

Results

Location	Monitoring Frequency	Pollutant	Measurement	Unit
Monitoring Point 1 (Site 1A)	Monthly	Ash	1.84	g/m ² /month
		Insoluble Solids	3.16	g/m ² /month
		Soluble Matter	1.42	g/m ² /month
		Total Solid Particles	4.58	g/m ² /month
Monitoring Point 2 (Site 2A)	Monthly	Ash	2.17	g/m ² /month
		Insoluble Solids	3.01	g/m ² /month
		Soluble Matter	1.67	g/m ² /month
		Total Solid Particles	4.68	g/m ² /month
Monitoring Point 3 (DD2)	Monthly	Ash	1.69	g/m ² /month
		Insoluble Solids	2.80	g/m ² /month
		Soluble Matter	2.96	g/m ² /month
		Total Solid Particles	5.78	g/m ² /month
Monitoring Point 4 (DD10)	Monthly	Ash	1.73	g/m ² /month
		Insoluble Solids	2.87	g/m ² /month
		Soluble Matter	1.55	g/m ² /month
		Total Solid Particles	4.42	g/m ² /month

Historical Results

Location	Monitoring Frequency	Pollutant	Measurement	Unit
August 2018				
Monitoring Point 1 (Site 1A)	Monthly	Ash	1.97	g/m ² /month
		Insoluble Solids	2.95	g/m ² /month
		Soluble Matter	1.41	g/m ² /month
		Total Solid Particles	4.36	g/m ² /month
Monitoring Point 2 (Site 2A)	Monthly	Ash	1.03	g/m ² /month
		Insoluble Solids	2.03	g/m ² /month
		Soluble Matter	1.28	g/m ² /month
		Total Solid Particles	3.32	g/m ² /month
Monitoring Point 3 (DD2)	Monthly	Ash	2.33	g/m ² /month
		Insoluble Solids	4.23	g/m ² /month
		Soluble Matter	0.87	g/m ² /month
		Total Solid Particles	5.10	g/m ² /month
Monitoring Point 4 (DD10)	Monthly	Ash	2.32	g/m ² /month
		Insoluble Solids	4.95	g/m ² /month

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		Soluble Matter	1.25	g/m ² /month
		Total Solid Particles	6.20	g/m ² /month
Monitoring Point 4 (DD10)	Monthly	Ash	2.06	g/m ² /month
		Insoluble Solids	2.46	g/m ² /month
		Soluble Matter	2.02	g/m ² /month
		Total Solid Particles	4.48	g/m ² /month
June 2018				
Monitoring Point 1 (Site 1A)	Monthly	Ash	1.80	g/m ² /month
		Insoluble Solids	1.22	g/m ² /month
		Soluble Matter	1.31	g/m ² /month
		Total Solid Particles	3.11	g/m ² /month
Monitoring Point 2 (Site 2A)	Monthly	Ash	1.00	g/m ² /month
		Insoluble Solids	1.43	g/m ² /month
		Soluble Matter	1.51	g/m ² /month
		Total Solid Particles	2.94	g/m ² /month
Monitoring Point 3 (DD2)	Monthly	Ash	1.17	g/m ² /month
		Insoluble Solids	1.60	g/m ² /month
		Soluble Matter	0.53	g/m ² /month
		Total Solid Particles	2.14	g/m ² /month
Monitoring Point 4 (DD10)	Monthly	Ash	1.63	g/m ² /month
		Insoluble Solids	2.78	g/m ² /month
		Soluble Matter	0.43	g/m ² /month
		Total Solid Particles	3.21	g/m ² /month
May 2018				
Monitoring Point 1 (Site 1A)	Monthly	Ash	1.38	g/m ² /month
		Insoluble Solids	1.87	g/m ² /month
		Soluble Matter	1.46	g/m ² /month
		Total Solid Particles	3.33	g/m ² /month
Monitoring Point 2 (Site 2A)	Monthly	Ash	1.41	g/m ² /month
		Insoluble Solids	1.91	g/m ² /month
		Soluble Matter	1.39	g/m ² /month
		Total Solid Particles	3.30	g/m ² /month
Monitoring Point 3 (DD2)	Monthly	Ash	1.48	g/m ² /month
		Insoluble Solids	1.98	g/m ² /month
		Soluble Matter	1.17	g/m ² /month
		Total Solid Particles	3.16	g/m ² /month
Monitoring Point 4 (DD10)	Monthly	Ash	0.85	g/m ² /month
		Insoluble Solids	1.72	g/m ² /month
		Soluble Matter	0.81	g/m ² /month
		Total Solid Particles	2.53	g/m ² /month
April 2018				
Monitoring Point 1	Monthly	Ash	4.56	g/m ² /month
		Insoluble Solids	4.91	g/m ² /month
		Soluble Matter	2.34	g/m ² /month
		Total Solid Particles	7.25	g/m ² /month
Monitoring Point 2	Monthly	Ash	2.91	g/m ² /month
		Insoluble Solids	5.36	g/m ² /month
		Soluble Matter	6.20	g/m ² /month

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		Total Solid Particles	11.56	g/m ² /month
		Ash	2.40	g/m ² /month
		Insoluble Solids	2.70	g/m ² /month
		Soluble Matter	2.19	g/m ² /month
Monitoring Point 3	Monthly	Total Solid Particles	4.90	g/m ² /month
		Ash	2.39	g/m ² /month
		Insoluble Solids	2.74	g/m ² /month
		Soluble Matter	2.54	g/m ² /month
Monitoring Point 4	Monthly	Total Solid Particles	5.28	g/m ² /month
March 2018				
Monitoring Point 1	Monthly	Ash	2.90	g/m ² /month
		Insoluble Solids	4.97	g/m ² /month
		Soluble Matter	8.13	g/m ² /month
		Total Solid Particles	13.10	g/m ² /month
Monitoring Point 2	Monthly	Ash	3.09	g/m ² /month
		Insoluble Solids	3.81	g/m ² /month
		Soluble Matter	5.24	g/m ² /month
		Total Solid Particles	9.05	g/m ² /month
Monitoring Point 3 (DD2)	Monthly	Ash	1.74	g/m ² /month
		Insoluble Solids	2.72	g/m ² /month
		Soluble Matter	4.57	g/m ² /month
		Total Solid Particles	7.29	g/m ² /month
Monitoring Point 4 (DD10)	Monthly	Ash	1.91	g/m ² /month
		Insoluble Solids	4.21	g/m ² /month
		Soluble Matter	5.19	g/m ² /month
		Total Solid Particles	9.40	g/m ² /month
February 2018				
		Ash	1.22	g/m ² /month
		Insoluble Solids	1.79	g/m ² /month
		Soluble Matter	4.11	g/m ² /month
Monitoring Point 1	Monthly	Total Solid Particles	5.90	g/m ² /month
		Ash	4.26	g/m ² /month
		Insoluble Solids	4.71	g/m ² /month
		Soluble Matter	4.76	g/m ² /month
Monitoring Point 2	Monthly	Total Solid Particles	9.46	g/m ² /month
		Ash	1.84	g/m ² /month
		Insoluble Solids	2.22	g/m ² /month
		Soluble Matter	3.31	g/m ² /month
Monitoring Point 3 (DD2)	Monthly	Total Solid Particles	5.53	g/m ² /month
		Ash	1.23	g/m ² /month
		Insoluble Solids	1.47	g/m ² /month
		Soluble Matter	3.71	g/m ² /month
Monitoring Point 4 (DD10)	Monthly	Total Solid Particles	5.18	g/m ² /month
January 2018				
		Ash	1.22	g/m ² /month
		Insoluble Solids	1.79	g/m ² /month
		Soluble Matter	4.11	g/m ² /month
Monitoring Point 1	Monthly	Total Solid Particles	5.90	g/m ² /month
		Ash	4.26	g/m ² /month
		Insoluble Solids	4.71	g/m ² /month
		Soluble Matter	4.76	g/m ² /month
Monitoring Point 2	Monthly	Total Solid Particles	9.46	g/m ² /month
		Ash	1.84	g/m ² /month
		Insoluble Solids	2.22	g/m ² /month
		Soluble Matter	3.31	g/m ² /month
Monitoring Point 3 (DD2)	Monthly	Total Solid Particles	5.53	g/m ² /month

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Monitoring Point 4 (DD10)	Monthly	Ash	1.23	g/m ² /month
		Insoluble Solids	1.47	g/m ² /month
		Soluble Matter	3.71	g/m ² /month
		Total Solid Particles	5.18	g/m ² /month
December 2017				
Monitoring Point 1	Monthly	Ash	2.41	g/m ² /month
		Insoluble Solids	3.97	g/m ² /month
		Soluble Matter	2.76	g/m ² /month
		Total Solid Particles	6.73	g/m ² /month
Monitoring Point 2	Monthly	Ash	4.05	g/m ² /month
		Insoluble Solids	5.32	g/m ² /month
		Soluble Matter	3.07	g/m ² /month
		Total Solid Particles	8.39	g/m ² /month
Monitoring Point 3 (DD2)	Monthly	Ash	1.75	g/m ² /month
		Insoluble Solids	2.24	g/m ² /month
		Soluble Matter	3.67	g/m ² /month
		Total Solid Particles	5.92	g/m ² /month
Monitoring Point 4 (DD10)	Monthly	Ash	1.66	g/m ² /month
		Insoluble Solids	2.47	g/m ² /month
		Soluble Matter	2.22	g/m ² /month
		Total Solid Particles	4.69	g/m ² /month
November 2017				
Monitoring Point 1	Monthly	Ash	1.50	g/m ² /month
		Insoluble Solids	2.01	g/m ² /month
		Soluble Matter	1.61	g/m ² /month
		Total Solid Particles	3.61	g/m ² /month
Monitoring Point 2	Monthly	Ash	3.63	g/m ² /month
		Insoluble Solids	4.21	g/m ² /month
		Soluble Matter	0.04	g/m ² /month
		Total Solid Particles	4.26	g/m ² /month
Monitoring Point 3 (DD2)	Monthly	Ash	0.70	g/m ² /month
		Insoluble Solids	0.92	g/m ² /month
		Soluble Matter	0.49	g/m ² /month
		Total Solid Particles	1.41	g/m ² /month
Monitoring Point 4 (DD10)	Monthly	Ash	1.19	g/m ² /month
		Insoluble Solids	1.77	g/m ² /month
		Soluble Matter	0.67	g/m ² /month
		Total Solid Particles	2.44	g/m ² /month
October 2017				
Monitoring Point 1	Monthly	Ash	2.95	g/m ² /month
		Insoluble Solids	4.43	g/m ² /month
		Soluble Matter	2.41	g/m ² /month
		Total Solid Particles	6.84	g/m ² /month
Monitoring Point 2	Monthly	Ash	5.61	g/m ² /month
		Insoluble Solids	8.22	g/m ² /month
		Soluble Matter	2.31	g/m ² /month
		Total Solid Particles	10.53	g/m ² /month
Monitoring Point 3	Monthly	Ash	2.15	g/m ² /month
		Insoluble Solids	3.72	g/m ² /month
		Soluble Matter	1.76	g/m ² /month
		Total Solid Particles	5.48	g/m ² /month
Monitoring Point 4	Monthly	Ash	2.16	g/m ² /month
		Insoluble Solids	3.49	g/m ² /month
		Soluble Matter	1.09	g/m ² /month
		Total Solid Particles	4.58	g/m ² /month

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September 2017				
Monitoring Point 1	Monthly	Ash	1.04	g/m ² /month
		Insoluble Solids	1.95	g/m ² /month
		Soluble Matter	1.11	g/m ² /month
		Total Solid Particles	3.06	g/m ² /month
Monitoring Point 2	Monthly	Ash	1.76	g/m ² /month
		Insoluble Solids	2.96	g/m ² /month
		Soluble Matter	2.16	g/m ² /month
		Total Solid Particles	5.12	g/m ² /month
Monitoring Point 3	Monthly	Ash	2.33	g/m ² /month
		Insoluble Solids	4.19	g/m ² /month
		Soluble Matter	3.32	g/m ² /month
		Total Solid Particles	7.51	g/m ² /month
Monitoring Point 4	Monthly	Ash	4.04	g/m ² /month
		Insoluble Solids	6.89	g/m ² /month
		Soluble Matter	2.63	g/m ² /month
		Total Solid Particles	9.52	g/m ² /month
August 2017				
Monitoring Point 1	Monthly	Ash	1.22	g/m ² /month
		Insoluble Solids	1.46	g/m ² /month
		Soluble Matter	1.51	g/m ² /month
		Total Solid Particles	2.97	g/m ² /month
Monitoring Point 2	Monthly	Ash	1.51	g/m ² /month
		Insoluble Solids	1.91	g/m ² /month
		Soluble Matter	1.68	g/m ² /month
		Total Solid Particles	3.59	g/m ² /month
Monitoring Point 3	Monthly	Ash	0.95	g/m ² /month
		Insoluble Solids	1.43	g/m ² /month
		Soluble Matter	1.49	g/m ² /month
		Total Solid Particles	2.92	g/m ² /month
Monitoring Point 4	Monthly	Ash	1.58	g/m ² /month
		Insoluble Solids	2.84	g/m ² /month
		Soluble Matter	1.44	g/m ² /month
		Total Solid Particles	4.28	g/m ² /month
June 2017				
Monitoring Point 1	Monthly	Ash	1.12	g/m ² /month
		Insoluble Solids	1.57	g/m ² /month
		Soluble Matter	1.52	g/m ² /month
		Total Solid Particles	3.08	g/m ² /month
Monitoring Point 2	Monthly	Ash	1.05	g/m ² /month
		Insoluble Solids	1.61	g/m ² /month
		Soluble Matter	1.75	g/m ² /month
		Total Solid Particles	3.36	g/m ² /month
Monitoring Point 3	Monthly	Ash	1.69	g/m ² /month
		Insoluble Solids	2.57	g/m ² /month
		Soluble Matter	2.49	g/m ² /month
		Total Solid Particles	5.06	g/m ² /month
Monitoring Point 4	Monthly	Ash	1.36	g/m ² /month
		Insoluble Solids	1.85	g/m ² /month
		Soluble Matter	2.03	g/m ² /month
		Total Solid Particles	3.88	g/m ² /month
May 2017				
Monitoring Point 1	Monthly	Ash	1.98	g/m ² /month
		Insoluble Solids	4.25	g/m ² /month
		Soluble Matter	2.27	g/m ² /month

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		Total Solid Particles	6.51	g/m ² /month
Monitoring Point 2	Monthly	Ash	1.79	g/m ² /month
		Insoluble Solids	2.13	g/m ² /month
		Soluble Matter	2.62	g/m ² /month
		Total Solid Particles	4.76	g/m ² /month
Monitoring Point 3	Monthly	Ash	2.22	g/m ² /month
		Insoluble Solids	2.81	g/m ² /month
		Soluble Matter	3.77	g/m ² /month
		Total Solid Particles	6.58	g/m ² /month
Monitoring Point 4	Monthly	Ash	2.83	g/m ² /month
		Insoluble Solids	3.22	g/m ² /month
		Soluble Matter	4.17	g/m ² /month
		Total Solid Particles	7.39	g/m ² /month
April 2017				
Monitoring Point 1	Monthly	Ash	1.41	g/m ² /month
		Insoluble Solids	2.21	g/m ² /month
		Soluble Matter	1.17	g/m ² /month
		Total Solid Particles	3.38	g/m ² /month
Monitoring Point 2	Monthly	Ash	2.14	g/m ² /month
		Insoluble Solids	6.17	g/m ² /month
		Soluble Matter	2.09	g/m ² /month
		Total Solid Particles	8.26	g/m ² /month
Monitoring Point 3	Monthly	Ash	2.72	g/m ² /month
		Insoluble Solids	4.24	g/m ² /month
		Soluble Matter	1.31	g/m ² /month
		Total Solid Particles	5.56	g/m ² /month
Monitoring Point 4	Monthly	Ash	2.21	g/m ² /month
		Insoluble Solids	2.27	g/m ² /month
		Soluble Matter	1.01	g/m ² /month
		Total Solid Particles	3.78	g/m ² /month
February 2017				
Monitoring Point 1	Monthly	Ash	1.55	g/m ² /month
		Insoluble Solids	1.89	g/m ² /month
		Soluble Matter	0.5	g/m ² /month
		Total Solid Particles	2.39	g/m ² /month
Monitoring Point 2	Monthly	Ash	1.55	g/m ² /month
		Insoluble Solids	5.53	g/m ² /month
		Soluble Matter	0.5	g/m ² /month
		Total Solid Particles	2.39	g/m ² /month
Monitoring Point 3	Monthly	Ash	2.18	g/m ² /month
		Insoluble Solids	2.31	g/m ² /month
		Soluble Matter	1.5	g/m ² /month
		Total Solid Particles	3.8	g/m ² /month
Monitoring Point 4	Monthly	Ash	0.75	g/m ² /month
		Insoluble Solids	1.34	g/m ² /month
		Soluble Matter	1.48	g/m ² /month
		Total Solid Particles	2.82	g/m ² /month
January 2017				
Monitoring Point 1	Monthly	Ash	2.45	g/m ² /month
		Insoluble Solids	4.55	g/m ² /month
		Soluble Matter	3.95	g/m ² /month
		Total Solid Particles	8.5	g/m ² /month
Monitoring Point 2	Monthly	Ash	1.41	g/m ² /month
		Insoluble Solids	2.28	g/m ² /month

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		Soluble Matter	1.9	g/m ² /month
		Total Solid		
		Particles	4.17	g/m ² /month
Monitoring Point 3	Monthly	Ash	2.81	g/m ² /month
		Insoluble Solids	4.44	g/m ² /month
		Soluble Matter	7.85	g/m ² /month
		Total Solid		
		Particles	12.28	g/m ² /month
Monitoring Point 4	Monthly	Ash	1.95	g/m ² /month
		Insoluble Solids	2.58	g/m ² /month
		Soluble Matter	5.66	g/m ² /month
		Total Solid		
		Particles	8.23	g/m ² /month
December 2016				
Monitoring Point 1	Monthly	Ash	1.73	g/m ² /month
		Insoluble Solids	2.61	g/m ² /month
		Soluble Matter	2.49	g/m ² /month
		Total Solid		
		Particles	5.1	g/m ² /month
Monitoring Point 2	Monthly	Ash	2.98	g/m ² /month
		Insoluble Solids	5.52	g/m ² /month
		Soluble Matter	4.08	g/m ² /month
		Total Solid		
		Particles	9.6	g/m ² /month
Monitoring Point 3	Monthly	Ash	3.63	g/m ² /month
		Insoluble Solids	5.73	g/m ² /month
		Soluble Matter	4.42	g/m ² /month
		Total Solid		
		Particles	10.15	g/m ² /month
Monitoring Point 4	Monthly	Ash	1.85	g/m ² /month
		Insoluble Solids	2.92	g/m ² /month
		Soluble Matter	3.66	g/m ² /month
		Total Solid		
		Particles	6.57	g/m ² /month
October 2016				
Monitoring Point 1	Monthly	Ash	0.93	g/m ² /month
		Insoluble Solids	1.01	g/m ² /month
		Soluble Matter	1.66	g/m ² /month
		Total Solid		
		Particles	2.67	g/m ² /month
Monitoring Point 2	Monthly	Ash	1.59	g/m ² /month
		Insoluble Solids	1.63	g/m ² /month
		Soluble Matter	1.66	g/m ² /month
		Total Solid		
		Particles	3.28	g/m ² /month
Monitoring Point 3	Monthly	Ash	2.6	g/m ² /month
		Insoluble Solids	3.84	g/m ² /month
		Soluble Matter	2.95	g/m ² /month
		Total Solid		
		Particles	6.8	g/m ² /month
Monitoring Point 4	Monthly	Ash	1.85	g/m ² /month
		Insoluble Solids	2.20	g/m ² /month
		Soluble Matter	1.79	g/m ² /month
		Total Solid		
		Particles	3.99	g/m ² /month
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Monitoring Point 1	Monthly	Ash	0.88	g/m ² /month
		Insoluble Solids	1.18	g/m ² /month
		Soluble Matter	1.04	g/m ² /month
		Total Solid		
		Particles	2.23	g/m ² /month
Monitoring Point 2	Monthly	Ash	1.47	g/m ² /month
		Insoluble Solids	2.17	g/m ² /month
		Soluble Matter	1.19	g/m ² /month
		Total Solid		
		Particles	3.36	g/m ² /month
Monitoring Point 3	Monthly	Ash	3.19	g/m ² /month
		Insoluble Solids	4.11	g/m ² /month
		Soluble Matter	2.03	g/m ² /month
		Total Solid		
		Particles	6.13	g/m ² /month
Monitoring Point 4	Monthly	Ash	1.51	g/m ² /month
		Insoluble Solids	1.79	g/m ² /month
		Soluble Matter	1.5	g/m ² /month
		Total Solid		
		Particles	3.29	g/m ² /month
August 2016				
Monitoring Point 1	Monthly	Ash	1.39	g/m ² /month
		Insoluble Solids	1.72	g/m ² /month
		Soluble Matter	2.3	g/m ² /month
		Total Solid		
		Particles	4.02	g/m ² /month
Monitoring Point 2	Monthly	Ash	11.26	g/m ² /month
		Insoluble Solids	17.22	g/m ² /month
		Soluble Matter	6.16	g/m ² /month
		Total Solid		
		Particles	23.38	g/m ² /month
Monitoring Point 3	Monthly	Ash	7.36	g/m ² /month
		Insoluble Solids	9.25	g/m ² /month
		Soluble Matter	3.75	g/m ² /month
		Total Solid		
		Particles	13	g/m ² /month
Monitoring Point 4	Monthly	Ash	2.16	g/m ² /month
		Insoluble Solids	2.82	g/m ² /month
		Soluble Matter	1.09	g/m ² /month
		Total Solid		
		Particles	3.91	g/m ² /month
July 2016				
Monitoring Point 1	Monthly	Ash	1.3	g/m ² /month
		Insoluble Solids	2.08	g/m ² /month
		Soluble Matter	0.76	g/m ² /month
		Total Solid		
		Particles	2.83	g/m ² /month
Monitoring Point 2	Monthly	Ash	1.11	g/m ² /month
		Insoluble Solids	1.31	g/m ² /month
		Soluble Matter	1.35	g/m ² /month
		Total Solid		
		Particles	2.65	g/m ² /month
Monitoring Point 3	Monthly	Ash	7.77	g/m ² /month
		Insoluble Solids	10.11	g/m ² /month
		Soluble Matter	4.28	g/m ² /month
		Total Solid		
		Particles	14.39	g/m ² /month

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		Particles		
Monitoring Point 4	Monthly	Ash	1.68	g/m ² /month
		Insoluble Solids	1.81	g/m ² /month
		Soluble Matter	1.69	g/m ² /month
		Total Solid		
		Particles	3.5	g/m ² /month
June 2016				
Monitoring Point 1	Monthly	Ash	0.99	g/m ² /month
		Insoluble Solids	1.32	g/m ² /month
		Soluble Matter	1.21	g/m ² /month
		Total Solid		
		Particles	2.53	g/m ² /month
Monitoring Point 2	Monthly	Ash	0.83	g/m ² /month
		Insoluble Solids	1.43	g/m ² /month
		Soluble Matter	0.39	g/m ² /month
		Total Solid		
		Particles	1.83	g/m ² /month
Monitoring Point 3	Monthly	Ash	17.32	g/m ² /month
		Insoluble Solids	19.76	g/m ² /month
		Soluble Matter	3.45	g/m ² /month
		Total Solid		
		Particles	23.21	g/m ² /month
Monitoring Point 4	Monthly	Ash	2.95	g/m ² /month
		Insoluble Solids	3.43	g/m ² /month
		Soluble Matter	0.35	g/m ² /month
		Total Solid		
		Particles	3.78	g/m ² /month
May 2016				
Monitoring Point 1	Monthly	Ash	1.59	g/m ² /month
		Insoluble Solids	3.30	g/m ² /month
		Soluble Matter	3.97	g/m ² /month
		Total Solid		
		Particles	7.28	g/m ² /month
Monitoring Point 2	Monthly	Ash	1.06	g/m ² /month
		Insoluble Solids	1.53	g/m ² /month
		Soluble Matter	1.59	g/m ² /month
		Total Solid		
		Particles	3.13	g/m ² /month
Monitoring Point 3	Monthly	Ash	3.86	g/m ² /month
		Insoluble Solids	5.06	g/m ² /month
		Soluble Matter	3.67	g/m ² /month
		Total Solid		
		Particles	8.73	g/m ² /month
Monitoring Point 4	Monthly	Ash	0.85	g/m ² /month
		Insoluble Solids	1.17	g/m ² /month
		Soluble Matter	1.48	g/m ² /month
		Total Solid		
		Particles	2.65	g/m ² /month
April 2016				
Monitoring Point 1	Monthly	Ash	1.87	g/m ² /month
		Insoluble Solids	5.42	g/m ² /month
		Soluble Matter	2.33	g/m ² /month
		Total Solid		
		Particles	7.65	g/m ² /month
Monitoring Point 2	Monthly	Ash	1.72	g/m ² /month
		Insoluble Solids	2.63	g/m ² /month

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		Soluble Matter	1.17	g/m ² /month
		Total Solid		
		Particles	3.8	g/m ² /month
Monitoring Point 3	Monthly	Ash	2.96	g/m ² /month
		Insoluble Solids	5.01	g/m ² /month
		Soluble Matter	2.99	g/m ² /month
		Total Solid		
		Particles	8	g/m ² /month
Monitoring Point 4	Monthly	Ash	1.41	g/m ² /month
		Insoluble Solids	2.09	g/m ² /month
		Soluble Matter	1.24	g/m ² /month
		Total Solid		
		Particles	3.32	g/m ² /month
March 2016				
Monitoring Point 1	Monthly	Ash	1.06	g/m ² /month
		Insoluble Solids	1.68	g/m ² /month
		Soluble Matter	0.31	g/m ² /month
		Total Solid		
		Particles	2.29	g/m ² /month
Monitoring Point 2	Monthly	Ash	1.46	g/m ² /month
		Insoluble Solids	2.46	g/m ² /month
		Soluble Matter	1.81	g/m ² /month
		Total Solid		
		Particles	4.27	g/m ² /month
Monitoring Point 3	Monthly	Ash	4.4	g/m ² /month
		Insoluble Solids	5.95	g/m ² /month
		Soluble Matter	1.78	g/m ² /month
		Total Solid		
		Particles	7.73	g/m ² /month
Monitoring Point 4	Monthly	Ash	1.00	g/m ² /month
		Insoluble Solids	1.38	g/m ² /month
		Soluble Matter	1.49	g/m ² /month
		Total Solid		
		Particles	2.87	g/m ² /month
February 2016				
Monitoring Point 1	Monthly	Ash	1.14	g/m ² /month
		Insoluble Solids	1.68	g/m ² /month
		Soluble Matter	1.98	g/m ² /month
		Total Solid		
		Particles	3.66	g/m ² /month
Monitoring Point 2	Monthly	Ash	1.59	g/m ² /month
		Insoluble Solids	3.90	g/m ² /month
		Soluble Matter	5.56	g/m ² /month
		Total Solid		
		Particles	9.47	g/m ² /month
Monitoring Point 3	Monthly	Ash	7.00	g/m ² /month
		Insoluble Solids	9.13	g/m ² /month
		Soluble Matter	5.42	g/m ² /month
		Total Solid		
		Particles	3.66	g/m ² /month
Monitoring Point 4	Monthly	Ash	2.04	g/m ² /month
		Insoluble Solids	2.56	g/m ² /month
		Soluble Matter	2.04	g/m ² /month
		Total Solid		
		Particles	4.61	g/m ² /month
January 2016				

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Monitoring Point 1	Monthly	Ash	1.69	g/m ² /month
		Insoluble Solids	4.16	g/m ² /month
		Soluble Matter	1.22	g/m ² /month
		Total Solid		
		Particles	5.38	g/m ² /month
Monitoring Point 2	Monthly	Ash	2.33	g/m ² /month
		Insoluble Solids	3.75	g/m ² /month
		Soluble Matter	0.31	g/m ² /month
		Total Solid		
		Particles	4.07	g/m ² /month
Monitoring Point 3	Monthly	Ash	6.39	g/m ² /month
		Insoluble Solids	10.45	g/m ² /month
		Soluble Matter	2.95	g/m ² /month
		Total Solid		
		Particles	13.4	g/m ² /month
Monitoring Point 4	Monthly	Ash	1.87	g/m ² /month
		Insoluble Solids	3.09	g/m ² /month
		Soluble Matter	0.7	g/m ² /month
		Total Solid		
		Particles	3.79	g/m ² /month
December 2015				
Monitoring Point 1	Monthly	Ash	6.77	g/m ² /month
		Insoluble Solids	30.96	g/m ² /month
		Soluble Matter	20.01	g/m ² /month
		Total Solid		
		Particles	50.96	g/m ² /month
Monitoring Point 2	Monthly	Ash	2.82	g/m ² /month
		Insoluble Solids	4.81	g/m ² /month
		Soluble Matter	5.65	g/m ² /month
		Total Solid		
		Particles	10.46	g/m ² /month
Monitoring Point 3	Monthly	Ash	5.83	g/m ² /month
		Insoluble Solids	11.89	g/m ² /month
		Soluble Matter	7.23	g/m ² /month
		Total Solid		
		Particles	19.12	g/m ² /month
Monitoring Point 4	Monthly	Ash	3.68	g/m ² /month
		Insoluble Solids	7.2	g/m ² /month
		Soluble Matter	6.36	g/m ² /month
		Total Solid		
		Particles	13.56	g/m ² /month
November 2015				
Monitoring Point 1	Monthly	Ash	1.87	g/m ² /month
		Insoluble Solids	2.9	g/m ² /month
		Soluble Matter	2.19	g/m ² /month
		Total Solid		
		Particles	5.09	g/m ² /month
Monitoring Point 2	Monthly	Ash	3.87	g/m ² /month
		Insoluble Solids	7.69	g/m ² /month
		Soluble Matter	8.12	g/m ² /month
		Total Solid		
		Particles	15.82	g/m ² /month
Monitoring Point 3	Monthly	Ash	2.5	g/m ² /month
		Insoluble Solids	5.11	g/m ² /month
		Soluble Matter	4.74	g/m ² /month
		Total Solid		
		Particles	9.85	g/m ² /month

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		Particles		
Monitoring Point 4	Monthly	Ash	1.85	g/m ² /month
		Insoluble Solids	2.9	g/m ² /month
		Soluble Matter	2.59	g/m ² /month
		Total Solid		
		Particles	5.5	g/m ² /month
October 2015				
Monitoring Point 1	Monthly	Ash	4.06	g/m ² /month
		Insoluble Solids	9.71	g/m ² /month
		Soluble Matter	4.42	g/m ² /month
		Total Solid		
		Particles	14.13	g/m ² /month
Monitoring Point 2	Monthly	Ash	2.6	g/m ² /month
		Insoluble Solids	4.06	g/m ² /month
		Soluble Matter	2.22	g/m ² /month
		Total Solid		
		Particles	6.28	g/m ² /month
Monitoring Point 3	Monthly	Ash	5.11	g/m ² /month
		Insoluble Solids	8.65	g/m ² /month
		Soluble Matter	4.48	g/m ² /month
		Total Solid		
		Particles	13.12	g/m ² /month
Monitoring Point 4	Monthly	Ash	2.11	g/m ² /month
		Insoluble Solids	5.49	g/m ² /month
		Soluble Matter	8.42	g/m ² /month
		Total Solid		
		Particles	13.92	g/m ² /month
September 2015				
Monitoring Point 1	Monthly	Ash	1.60	g/m ² /month
		Insoluble Solids	4.88	g/m ² /month
		Soluble Matter	4.42	g/m ² /month
		Total Solid		
		Particles	7.70	g/m ² /month
Monitoring Point 2	Monthly	Ash	1.71	g/m ² /month
		Insoluble Solids	2.78	g/m ² /month
		Soluble Matter	2.33	g/m ² /month
		Total Solid		
		Particles	5.11	g/m ² /month
Monitoring Point 3	Monthly	Ash	4.86	g/m ² /month
		Insoluble Solids	9.30	g/m ² /month
		Soluble Matter	6.11	g/m ² /month
		Total Solid		
		Particles	15.41	g/m ² /month
Monitoring Point 4	Monthly	Ash	0.64	g/m ² /month
		Insoluble Solids	3.81	g/m ² /month
		Soluble Matter	2.90	g/m ² /month
		Total Solid		
		Particles	6.71	g/m ² /month
August 2015				
Monitoring Point 1	Monthly	Ash	1.36	g/m ² /month
		Insoluble Solids	1.86	g/m ² /month
		Soluble Matter	1.43	g/m ² /month
		Total Solid		
		Particles	3.29	g/m ² /month
Monitoring Point 2	Monthly	Ash	0.21	g/m ² /month
		Insoluble Solids	0.52	g/m ² /month

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		Soluble Matter	1.33	g/m ² /month
		Total Solid Particles	1.85	g/m ² /month
Monitoring Point 3	Monthly	Ash	2.85	g/m ² /month
		Insoluble Solids	2.91	g/m ² /month
		Soluble Matter	0.74	g/m ² /month
		Total Solid Particles	3.65	g/m ² /month
Monitoring Point 4	Monthly	Ash	0.60	g/m ² /month
		Insoluble Solids	0.77	g/m ² /month
		Soluble Matter	2.87	g/m ² /month
		Total Solid Particles	3.64	g/m ² /month
July 2015				
Monitoring Point 1	Monthly	Ash	1.07	g/m ² /month
		Insoluble Solids	3.23	g/m ² /month
		Soluble Matter	1.07	g/m ² /month
		Total Solid Particles	4.30	g/m ² /month
Monitoring Point 2	Monthly	Ash	0.98	g/m ² /month
		Insoluble Solids	1.93	g/m ² /month
		Soluble Matter	0.03	g/m ² /month
		Total Solid Particles	1.96	g/m ² /month
Monitoring Point 3	Monthly	Ash	3.24	g/m ² /month
		Insoluble Solids	2.91	g/m ² /month
		Soluble Matter	4.73	g/m ² /month
		Total Solid Particles	7.65	g/m ² /month
Monitoring Point 4	Monthly	Ash	1.40	g/m ² /month
		Insoluble Solids	2.26	g/m ² /month
		Soluble Matter	0.06	g/m ² /month
		Total Solid Particles	2.32	g/m ² /month
June 2015				
Monitoring Point 1	Monthly	Ash	1.03	g/m ² /month
		Insoluble Solids	1.72	g/m ² /month
		Soluble Matter	0.67	g/m ² /month
		Total Solid Particles	2.39	g/m ² /month
Monitoring Point 2	Monthly	Ash	1.31	g/m ² /month
		Insoluble Solids	1.86	g/m ² /month
		Soluble Matter	0.48	g/m ² /month
		Total Solid Particles	2.34	g/m ² /month
Monitoring Point 3	Monthly	Ash	2.87	g/m ² /month
		Insoluble Solids	4.05	g/m ² /month
		Soluble Matter	1.74	g/m ² /month
		Total Solid Particles	5.79	g/m ² /month
Monitoring Point 4	Monthly	Ash	2.17	g/m ² /month
		Insoluble Solids	3.98	g/m ² /month
		Soluble Matter	1.38	g/m ² /month
		Total Solid Particles	5.36	g/m ² /month

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May 2015				
Monitoring Point 1	Monthly	Ash	4.97	g/m ² /month
		Insoluble Solids	10.00	g/m ² /month
		Soluble Matter	4.79	g/m ² /month
		Total Solid Particles	14.79	g/m ² /month
Monitoring Point 2	Monthly	Ash	1.32	g/m ² /month
		Insoluble Solids	1.84	g/m ² /month
		Soluble Matter	0.93	g/m ² /month
		Total Solid Particles	2.77	g/m ² /month
Monitoring Point 3	Monthly	Ash	3.34	g/m ² /month
		Insoluble Solids	5.10	g/m ² /month
		Soluble Matter	3.50	g/m ² /month
		Total Solid Particles	8.60	g/m ² /month
Monitoring Point 4	Monthly	Ash	3.04	g/m ² /month
		Insoluble Solids	4.10	g/m ² /month
		Soluble Matter	1.46	g/m ² /month
		Total Solid Particles	6.56	g/m ² /month
April 2015				
Monitoring Point 1	Monthly	Ash	1.70	g/m ² /month
		Insoluble Solids	5.44	g/m ² /month
		Soluble Matter	1.49	g/m ² /month
		Total Solid Particles	6.93	g/m ² /month
Monitoring Point 2	Monthly	Ash	0.94	g/m ² /month
		Insoluble Solids	1.66	g/m ² /month
		Soluble Matter	1.02	g/m ² /month
		Total Solid Particles	2.68	g/m ² /month
Monitoring Point 3	Monthly	Ash	3.37	g/m ² /month
		Insoluble Solids	6.83	g/m ² /month
		Soluble Matter	1.74	g/m ² /month
		Total Solid Particles	8.57	g/m ² /month
Monitoring Point 4	Monthly	Ash	1.20	g/m ² /month
		Insoluble Solids	1.74	g/m ² /month
		Soluble Matter	1.36	g/m ² /month
		Total Solid Particles	3.10	g/m ² /month
March 2015				
Monitoring Point 1	Monthly	Ash	1.79	g/m ² /month
		Insoluble Solids	5.12	g/m ² /month
		Soluble Matter	2.65	g/m ² /month
		Total Solid Particles	7.77	g/m ² /month
Monitoring Point 2	Monthly	Ash	1.61	g/m ² /month
		Insoluble Solids	1.80	g/m ² /month
		Soluble Matter	1.27	g/m ² /month
		Total Solid Particles	3.07	g/m ² /month
Monitoring Point 3	Monthly	Ash	14.60	g/m ² /month
		Insoluble Solids	17.23	g/m ² /month

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		Soluble Matter	6.63	g/m ² /month
		Total Solid Particles	23.86	g/m ² /month
Monitoring Point 4	Monthly	Ash	3.41	g/m ² /month
		Insoluble Solids	4.29	g/m ² /month
		Soluble Matter	2.70	g/m ² /month
		Total Solid Particles	6.99	g/m ² /month
February 2015				
Monitoring Point 1	Monthly	Ash	2.17	g/m ² /month
		Insoluble Solids	6.18	g/m ² /month
		Soluble Matter	3.39	g/m ² /month
		Total Solid Particles	9.57	g/m ² /month
Monitoring Point 2	Monthly	Ash	1.39	g/m ² /month
		Insoluble Solids	3.22	g/m ² /month
		Soluble Matter	2.79	g/m ² /month
		Total Solid Particles	6.01	g/m ² /month
Monitoring Point 3	Monthly	Ash	3.89	g/m ² /month
		Insoluble Solids	6.19	g/m ² /month
		Soluble Matter	2.58	g/m ² /month
		Total Solid Particles	8.77	g/m ² /month
Monitoring Point 4	Monthly	Ash	1.30	g/m ² /month
		Insoluble Solids	2.17	g/m ² /month
		Soluble Matter	1.49	g/m ² /month
		Total Solid Particles	3.66	g/m ² /month
January 2015				
Monitoring Point 1	Monthly	Ash	1.16	g/m ² /month
		Insoluble Solids	1.42	g/m ² /month
		Soluble Matter	1.49	g/m ² /month
		Total Solid Particles	2.91	g/m ² /month
Monitoring Point 2	Monthly	Ash	1.11	g/m ² /month
		Insoluble Solids	1.45	g/m ² /month
		Soluble Matter	0.07	g/m ² /month
		Total Solid Particles	1.52	g/m ² /month
Monitoring Point 3	Monthly	Ash	6.25	g/m ² /month
		Insoluble Solids	9.93	g/m ² /month
		Soluble Matter	3.22	g/m ² /month
		Total Solid Particles	13.15	g/m ² /month
Monitoring Point 4	Monthly	Ash	1.71	g/m ² /month
		Insoluble Solids	2.37	g/m ² /month
		Soluble Matter	1.16	g/m ² /month
		Total Solid Particles	3.53	g/m ² /month
December 2014				
Monitoring Point 1	Monthly	Ash	2.29	g/m ² /month
		Insoluble Solids	5.82	g/m ² /month
		Soluble Matter	0.87	g/m ² /month
		Total Solid	6.69	g/m ² /month

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		Particles		
Monitoring Point 2	Monthly	Ash	2.05	g/m ² /month
		Insoluble Solids	6.38	g/m ² /month
		Soluble Matter	0.13	g/m ² /month
		Total Solid Particles	6.51	g/m ² /month
Monitoring Point 3	Monthly	Ash	4.71	g/m ² /month
		Insoluble Solids	14.09	g/m ² /month
		Soluble Matter	5.61	g/m ² /month
		Total Solid Particles	19.70	g/m ² /month
Monitoring Point 4	Monthly	Ash	2.38	g/m ² /month
		Insoluble Solids	6.06	g/m ² /month
		Soluble Matter	1.71	g/m ² /month
		Total Solid Particles	7.77	g/m ² /month
November 2014				
Monitoring Point 1	Monthly	Ash	7.75	g/m ² /month
		Insoluble Solids	13.56	g/m ² /month
		Soluble Matter	11.17	g/m ² /month
		Total Solid Particles	24.73	g/m ² /month
Monitoring Point 2	Monthly	Ash	3.15	g/m ² /month
		Insoluble Solids	3.76	g/m ² /month
		Soluble Matter	2.05	g/m ² /month
		Total Solid Particles	5.81	g/m ² /month
Monitoring Point 3	Monthly	Ash	3.70	g/m ² /month
		Insoluble Solids	6.29	g/m ² /month
		Soluble Matter	5.85	g/m ² /month
		Total Solid Particles	12.14	g/m ² /month
Monitoring Point 4	Monthly	Ash	2.62	g/m ² /month
		Insoluble Solids	3.13	g/m ² /month
		Soluble Matter	2.42	g/m ² /month
		Total Solid Particles	5.55	g/m ² /month
October 2014				
Monitoring Point 1	Monthly	Ash	1.92	g/m ² /month
		Insoluble Solids	5.44	g/m ² /month
		Soluble Matter	4.87	g/m ² /month
		Total Solid Particles	10.31	g/m ² /month
Monitoring Point 2	Monthly	Ash	1.31	g/m ² /month
		Insoluble Solids	2.21	g/m ² /month
		Soluble Matter	1.17	g/m ² /month
		Total Solid Particles	3.38	g/m ² /month
Monitoring Point 3	Monthly	Ash	3.60	g/m ² /month
		Insoluble Solids	7.48	g/m ² /month
		Soluble Matter	4.02	g/m ² /month
		Total Solid Particles	11.50	g/m ² /month
Monitoring Point 4	Monthly	Ash	1.65	g/m ² /month
		Insoluble Solids	2.65	g/m ² /month

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		Soluble Matter	1.93	g/m ² /month
		Total Solid Particles	4.58	g/m ² /month
September 2014				
Monitoring Point 1	Monthly	Ash	5.47	g/m ² /month
		Insoluble Solids	6.88	g/m ² /month
		Soluble Matter	0.15	g/m ² /month
		Total Solid Particles	7.03	g/m ² /month
Monitoring Point 2	Monthly	Ash	1.37	g/m ² /month
		Insoluble Solids	1.70	g/m ² /month
		Soluble Matter	0.49	g/m ² /month
		Total Solid Particles	2.19	g/m ² /month
Monitoring Point 3	Monthly	Ash	2.67	g/m ² /month
		Insoluble Solids	5.33	g/m ² /month
		Soluble Matter	2.77	g/m ² /month
		Total Solid Particles	8.10	g/m ² /month
Monitoring Point 4	Monthly	Ash	1.69	g/m ² /month
		Insoluble Solids	3.11	g/m ² /month
		Soluble Matter	0.82	g/m ² /month
		Total Solid Particles	3.93	g/m ² /month

Dunmore Quarry Environmental Monitoring Report

PM10

PM10 ($\mu\text{g}/\text{m}^3$) results for the reporting period month is:

Sample Period: August 2018
 Date Received: 15/9/18
 Licensee: Dunmore Quarry
 Licensee Address: Princes Hwy, Dunmore NSW 2529
 EPL No: 77

Qualifications related to Dust:

* Air Emissions Monitoring - High Volume Air Sampler

Results

Location	Date	Pollutant	Monitoring Frequency	Measurement	Limit	Unit
Monitoring Point 5	04/9/2018	PM10	6 days	12.67	50	$\mu\text{g}/\text{m}^3$
Monitoring Point 5	10/9/2018	PM10	6 days	12.67	50	$\mu\text{g}/\text{m}^3$
Monitoring Point 5	16/9/2018	PM10	6 days	11.71	50	$\mu\text{g}/\text{m}^3$
Monitoring Point 5	22/9/2018	PM10	6 days	12.24	50	$\mu\text{g}/\text{m}^3$
Monitoring Point 5	28/9/2018	PM10	6 days	36.06	50	$\mu\text{g}/\text{m}^3$
Monitoring Point 5	04/10/2018	PM10	6 days	36.06	50	$\mu\text{g}/\text{m}^3$

Historical Results

Location	Date	Pollutant	Monitoring Frequency	Measurement	Limit	Unit
August 2018						
Monitoring Point 5	11/8/2018	PM10	6 days	13.07	50	$\mu\text{g}/\text{m}^3$
Monitoring Point 5	17/8/2018	PM10	6 days	10.46	50	$\mu\text{g}/\text{m}^3$
Monitoring Point 5	23/8/2018	PM10	6 days	4.81	50	$\mu\text{g}/\text{m}^3$
Monitoring Point 5	29/8/2018	PM10	6 days	5.46	50	$\mu\text{g}/\text{m}^3$
July 2018						
Monitoring Point 5	6/7/2018	PM10	6 days	6.36	50	$\mu\text{g}/\text{m}^3$
Monitoring Point 5	12/7/2018	PM10	6 days	3.57	50	$\mu\text{g}/\text{m}^3$
Monitoring Point 5	18/7/2018	PM10	6 days	25.79	50	$\mu\text{g}/\text{m}^3$
Monitoring Point 5	24/7/2018	PM10	6 days	5.11	50	$\mu\text{g}/\text{m}^3$
Monitoring Point 5	30/7/2018	PM10	6 days	20.02	50	$\mu\text{g}/\text{m}^3$
Monitoring Point 5	5/8/2018	PM10	6 days	6.00	50	$\mu\text{g}/\text{m}^3$
June 2018						
Monitoring Point 5	6/6/2018	PM10	6 days	3.98	50	$\mu\text{g}/\text{m}^3$
Monitoring Point 5	12/6/2018	PM10	6 days	4.40	50	$\mu\text{g}/\text{m}^3$
Monitoring Point 5	18/6/2018	PM10	6 days	2.73	50	$\mu\text{g}/\text{m}^3$
Monitoring Point 5	24/6/2018	PM10	6 days	2.25	50	$\mu\text{g}/\text{m}^3$
Monitoring Point 5	30/6/2018	PM10	6 days	2.73	50	$\mu\text{g}/\text{m}^3$
May 2018						
Monitoring Point 5	1/5/2018	PM10	6 days	16.40	50	$\mu\text{g}/\text{m}^3$
Monitoring Point 5	7/5/2018	PM10	6 days	20.26	50	$\mu\text{g}/\text{m}^3$
Monitoring Point 5	13/5/2018	PM10	6 days	6.36	50	$\mu\text{g}/\text{m}^3$
Monitoring Point 5	19/5/2018	PM10	6 days	6.00	50	$\mu\text{g}/\text{m}^3$
Monitoring Point 5	25/5/2018	PM10	6 days	7.78	50	$\mu\text{g}/\text{m}^3$
Monitoring Point 5	31/4/2018	PM10	6 days	0.77	50	$\mu\text{g}/\text{m}^3$
April 2018						
Monitoring Point 5	7/4/2018	PM10	6 days	17.71	50	$\mu\text{g}/\text{m}^3$
Monitoring Point 5	13/4/2018	PM10	6 days	28.64	50	$\mu\text{g}/\text{m}^3$

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Monitoring Point 5	19/4/2018	PM10	6 days	29.89	50	µg/m ³
Monitoring Point 5	25/4/2018	PM10	6 days	5.86	50	µg/m ³
March 2018						
Monitoring Point 5	2/3/2018	PM10	6 days	17.74	50	µg/m ³
Monitoring Point 5	8/3/2018	PM10	6 days	17.74	50	µg/m ³
Monitoring Point 5	14/3/2018	PM10	6 days	19.13	50	µg/m ³
Monitoring Point 5	20/3/2018	PM10	6 days	19.85	50	µg/m ³
Monitoring Point 5	26/3/2018	PM10	6 days	3.62	50	µg/m ³
Monitoring Point 5	1/4/2018	PM10	6 days	31.79	50	µg/m ³
February 2018						
Monitoring Point 5	31/1/2018	PM10	6 days	30.90	50	µg/m ³
Monitoring Point 5	6/2/2018	PM10	6 days	15.09	50	µg/m ³
Monitoring Point 5	12/2/2018	PM10	6 days	18.66	50	µg/m ³
Monitoring Point 5	18/2/2018	PM10	6 days	29.35	50	µg/m ³
Monitoring Point 5	24/2/2018	PM10	6 days	33.27	50	µg/m ³
January 2018						
Monitoring Point 5	07/01/2018	PM10	6 days	32.32	50	µg/m ³
Monitoring Point 5	13/01/2018	PM10	6 days	7.05	50	µg/m ³
Monitoring Point 5	19/01/2018	PM10	6 days	32.20	50	µg/m ³
Monitoring Point 5	25/01/2018	PM10	6 days	16.16	50	µg/m ³
December 2017						
Monitoring Point 5	02/12/2017	PM10	6 days	30.12	50	µg/m ³
Monitoring Point 5	8/11/2017	PM10	6 days	30.12	50	µg/m ³
Monitoring Point 5	14/11/2017	PM10	6 days	39.81	50	µg/m ³
Monitoring Point 5	20/10/2017	PM10	6 days	29.89	50	µg/m ³
Monitoring Point 5	26/10/2017	PM10	6 days	4.32	50	µg/m ³
November 2017						
Monitoring Point 5	02/11/2017	PM10	6 days	9.57	50	µg/m ³
Monitoring Point 5	08/11/2017	PM10	6 days	6.12	50	µg/m ³
Monitoring Point 5	14/11/2017	PM10	6 days	12.36	50	µg/m ³
Monitoring Point 5	21/10/2017	PM10	6 days	1.96	50	µg/m ³
Monitoring Point 5	27/10/2017	PM10	6 days	7.19	50	µg/m ³
October 2017						
Monitoring Point 5	03/10/2017	PM10	6 days	2.38	50	µg/m ³
Monitoring Point 5	09/10/2017	PM10	6 days	10.16	50	µg/m ³
Monitoring Point 5	15/10/2017	PM10	6 days	2.02	50	µg/m ³
Monitoring Point 5	21/10/2017	PM10	6 days	9.28	50	µg/m ³
Monitoring Point 5	27/10/2017	PM10	6 days	3.57	50	µg/m ³
September 2017						
Monitoring Point 5	03/09/2017	PM10	6 days	6.30	50	µg/m ³
Monitoring Point 5	09/09/2017	PM10	6 days	0.89	50	µg/m ³
Monitoring Point 5	15/09/2017	PM10	6 days	3.86	50	µg/m ³
Monitoring Point 5	21/09/2017	PM10	6 days	13.19	50	µg/m ³
Monitoring Point 5	27/09/2017	PM10	6 days	18.48	50	µg/m ³
August 2017						
Monitoring Point 5	8/08/2017	PM10	6 days	2.02	50	µg/m ³
Monitoring Point 5	10/08/2017	PM10	6 days	12.30	50	µg/m ³
Monitoring Point 5	16/08/2017	PM10	6 days	3.86	50	µg/m ³
Monitoring Point 5	22/08/2017	PM10	6 days	7.61	50	µg/m ³
Monitoring Point 5	28/08/2017	PM10	6 days	5.11	50	µg/m ³
June 2017						
Monitoring Point 5	5/06/2017	PM10	6 days	0.71	50	µg/m ³
Monitoring Point 5	11/06/2017	PM10	6 days	1.31	50	µg/m ³
Monitoring Point 5	17/06/2017	PM10	6 days	4.10	50	µg/m ³
Monitoring Point 5	23/06/2017	PM10	6 days	4.28	50	µg/m ³
Monitoring Point 5	29/06/2017	PM10	6 days	1.43	50	µg/m ³

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May 2017

Monitoring Point 5	6/05/2017	PM10	6 days	6.65	50	µg/m ³
Monitoring Point 5	12/05/2017	PM10	6 days	5.41	50	µg/m ³
Monitoring Point 5	18/05/2017	PM10	6 days	9.57	50	µg/m ³
Monitoring Point 5	24/05/2017	PM10	6 days	14.38	50	µg/m ³
Monitoring Point 5	30/05/2017	PM10	6 days	5.70	50	µg/m ³

April 2017

Monitoring Point 5	6/04/2017	PM10	6 days	7.43	50	µg/m ³
Monitoring Point 5	12/04/2017	PM10	6 days	0.95	50	µg/m ³
Monitoring Point 5	18/04/2017	PM10	6 days	5.94	50	µg/m ³
Monitoring Point 5	24/04/2017	PM10	6 days	4.4	50	µg/m ³
Monitoring Point 5	30/04/2017	PM10	6 days	5.35	50	µg/m ³

February 2017

Monitoring Point 5	5/02/2017	PM10	6 days	29.06	50	µg/m ³
Monitoring Point 5	11/02/2017	PM10	6 days	42.57	50	µg/m ³
Monitoring Point 5	17/02/2017	PM10	6 days	45.97	50	µg/m ³
Monitoring Point 5	23/02/2017	PM10	6 days	17.23	50	µg/m ³

January 2017

Monitoring Point 5	6/01/2017	PM10	6 days	0.53	50	µg/m ³
Monitoring Point 5	12/01/2017	PM10	6 days	9.74	50	µg/m ³
Monitoring Point 5	18/01/2017	PM10	6 days	22.22	50	µg/m ³
Monitoring Point 5	24/01/2017	PM10	6 days	23.59	50	µg/m ³
Monitoring Point 5	30/01/2017	PM10	6 days	54.43	50	µg/m ³

December 2016

Monitoring Point 5	7/12/2016	PM10	6 days	14.56	50	µg/m ³
Monitoring Point 5	13/12/2016	PM10	6 days	8.02	50	µg/m ³
Monitoring Point 5	19/12/2016	PM10	6 days	24.58	50	µg/m ³
Monitoring Point 5	25/12/2016	PM10	6 days	13.84	50	µg/m ³
Monitoring Point 5	31/12/2016	PM10	6 days	8.37	50	µg/m ³

October 2016

Monitoring Point 5	2/10/2016	PM10	6 days	6.95	50	µg/m ³
Monitoring Point 5	8/10/2016	PM10	6 days	16.76	50	µg/m ³
Monitoring Point 5	14/10/2016	PM10	6 days	11.05	50	µg/m ³
Monitoring Point 5	20/10/2016	PM10	6 days	17.4	50	µg/m ³
Monitoring Point 5	26/10/2016	PM10	6 days	21.98	50	µg/m ³

September 2016

Monitoring Point 5	2/09/2016	PM10	6 days	0.24	50	µg/m ³
Monitoring Point 5	8/09/2016	PM10	6 days	16.82	50	µg/m ³
Monitoring Point 5	14/09/2016	PM10	6 days	4.52	50	µg/m ³
Monitoring Point 5	20/09/2016	PM10	6 days	9.8	50	µg/m ³
Monitoring Point 5	26/09/2016	PM10	6 days	15.2	50	µg/m ³

August 2016

Monitoring Point 5	3/08/2016	PM10	6 days	9.57	50	µg/m ³
Monitoring Point 5	9/08/2016	PM10	6 days	18.54	50	µg/m ³
Monitoring Point 5	15/08/2016	PM10	6 days	14.02	50	µg/m ³
Monitoring Point 5	21/08/2016	PM10	6 days	7.25	50	µg/m ³
Monitoring Point 5	27/08/2016	PM10	6 days	15.32	50	µg/m ³

July 2016

Monitoring Point 5	4/07/2016	PM10	6 days	3.97	50	µg/m ³
Monitoring Point 5	10/07/2016	PM10	6 days	2.44	50	µg/m ³
Monitoring Point 5	16/07/2016	PM10	6 days	12.95	50	µg/m ³
Monitoring Point 5	22/07/2016	PM10	6 days	8.62	50	µg/m ³
Monitoring Point 5	28/07/2016	PM10	6 days	12.06	50	µg/m ³

June 2016

Monitoring Point 5	4/06/2016	PM10	6 days	5.82	50	µg/m ³
Monitoring Point 5	10/06/2016	PM10	6 days	0.42	50	µg/m ³

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Monitoring Point 5	16/06/2016	PM10	6 days	12.95	50	µg/m ³
Monitoring Point 5	22/06/2016	PM10	6 days	3.98	50	µg/m ³
Monitoring Point 5	28/06/2016	PM10	6 days	2.73	50	µg/m ³
May 2016						
Monitoring Point 5	5/05/2016	PM10	6 days	17.11	50	µg/m ³
Monitoring Point 5	11/05/2016	PM10	6 days	22.56	50	µg/m ³
Monitoring Point 5	17/05/2016	PM10	6 days	20.38	50	µg/m ³
Monitoring Point 5	23/05/2016	PM10	6 days	15.27	50	µg/m ³
Monitoring Point 5	29/05/2016	PM10	6 days	1.54	50	µg/m ³
April 2016						
Monitoring Point 5	5/04/2016	PM10	6 days	10.21	50	µg/m ³
Monitoring Point 5	11/04/2016	PM10	6 days	4.46	50	µg/m ³
Monitoring Point 5	17/04/2016	PM10	6 days	4.93	50	µg/m ³
Monitoring Point 5	23/04/2016	PM10	6 days	3.92	50	µg/m ³
Monitoring Point 5	29/04/2016	PM10	6 days	33.81	50	µg/m ³
March 2016						
Monitoring Point 5	6/03/2016	PM10	6 days	12.62	50	µg/m ³
Monitoring Point 5	12/03/2016	PM10	6 days	15.05	50	µg/m ³
Monitoring Point 5	18/03/2016	PM10	6 days	10.01	50	µg/m ³
Monitoring Point 5	24/03/2016	PM10	6 days	21.35	50	µg/m ³
Monitoring Point 5	30/03/2016	PM10	6 days	21.87	50	µg/m ³
February 2016						
Monitoring Point 5	5/02/2016	PM10	6 days	10.34	50	µg/m ³
Monitoring Point 5	11/02/2016	PM10	6 days	11.99	50	µg/m ³
Monitoring Point 5	17/02/2016	PM10	6 days	7.15	50	µg/m ³
Monitoring Point 5	23/02/2016	PM10	6 days	26.39	50	µg/m ³
Monitoring Point 5	29/02/2016	PM10	6 days	9.22	50	µg/m ³
January 2016						
Monitoring Point 5	6/01/2016	PM10	6 days	8.99	50	µg/m ³
Monitoring Point 5	12/01/2016	PM10	6 days	22.34	50	µg/m ³
Monitoring Point 5	18/01/2016	PM10	6 days	17.56	50	µg/m ³
Monitoring Point 5	24/01/2016	PM10	6 days	20.9	50	µg/m ³
Monitoring Point 5	30/01/2016	PM10	6 days	4.35	50	µg/m ³
December 2015						
Monitoring Point 5	1/12/2015	PM10	6 days	37.92	50	µg/m ³
Monitoring Point 5	7/12/2015	PM10	6 days	5.95	50	µg/m ³
Monitoring Point 5	13/12/2015	PM10	6 days	15.72	50	µg/m ³
Monitoring Point 5	19/12/2015	PM10	6 days	30.12	50	µg/m ³
Monitoring Point 5	25/12/2015	PM10	6 days	7.74	50	µg/m ³
Monitoring Point 5	31/12/2015	PM10	6 days	8.51	51	µg/m ³
November 2015						
Monitoring Point 5	1/11/2015	PM10	6 days	12.36	50	µg/m ³
Monitoring Point 5	7/11/2015	PM10	6 days	9.35	50	µg/m ³
Monitoring Point 5	13/11/2015	PM10	6 days	7.08	50	µg/m ³
Monitoring Point 5	19/11/2015	PM10	6 days	23.52	50	µg/m ³
Monitoring Point 5	25/11/2015	PM10	6 days	28.75	50	µg/m ³
October 2015						
Monitoring Point 5	2/10/2015	PM10	6 days	10.57	50	µg/m ³
Monitoring Point 5	8/10/2015	PM10	6 days	12.12	50	µg/m ³
Monitoring Point 5	14/10/2015	PM10	6 days	10.81	50	µg/m ³
Monitoring Point 5	20/10/2015	PM10	6 days	25.81	50	µg/m ³
Monitoring Point 5	26/10/2015	PM10	6 days	13.39	50	µg/m ³
September 2015						
Monitoring Point 5	2/09/2015	PM10	6 days	16.05	50	µg/m ³
Monitoring Point 5	8/09/2015	PM10	6 days	5.57	50	µg/m ³
Monitoring Point 5	14/09/2015	PM10	6 days	6.02	50	µg/m ³

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Monitoring Point 5	20/09/2015	PM10	6 days	2.10	50	µg/m ³
Monitoring Point 5	26/09/2015	PM10	6 days	2.90	50	µg/m ³
August 2015						
Monitoring Point 5	3/08/2015	PM10	6 days	4.46	50	µg/m ³
Monitoring Point 5	9/08/2015	PM10	6 days	1.61	50	µg/m ³
Monitoring Point 5	15/08/2015	PM10	6 days	3.05	50	µg/m ³
Monitoring Point 5	21/08/2015	PM10	6 days	2.14	50	µg/m ³
Monitoring Point 5	27/08/2015	PM10	6 days	2.64	50	µg/m ³
July 2015						
Monitoring Point 5	4/07/2015	PM10	6 days	0.34	50	µg/m ³
Monitoring Point 5	10/07/2015	PM10	6 days	18.32	50	µg/m ³
Monitoring Point 5	16/07/2015	PM10	6 days	2.86	50	µg/m ³
Monitoring Point 5	22/07/2015	PM10	6 days	3.61	50	µg/m ³
Monitoring Point 5	28/07/2015	PM10	6 days	3.09	50	µg/m ³
June 2015						
Monitoring Point 5	4/06/2015	PM10	6 days	7.00	50	µg/m ³
Monitoring Point 5	10/06/2015	PM10	6 days	5.54	50	µg/m ³
Monitoring Point 5	16/06/2015	PM10	6 days	5.88	50	µg/m ³
Monitoring Point 5	22/06/2015	PM10	6 days	1.40	50	µg/m ³
Monitoring Point 5	28/06/2015	PM10	6 days	0.40	50	µg/m ³
May 2015						
Monitoring Point 5	5/05/2015	PM10	6 days	23.69	50	µg/m ³
Monitoring Point 5	11/05/2015	PM10	6 days	1.84	50	µg/m ³
Monitoring Point 5	17/05/2015	PM10	6 days	1.60	50	µg/m ³
Monitoring Point 5	23/05/2015	PM10	6 days	3.34	50	µg/m ³
Monitoring Point 5	29/05/2015	PM10	6 days	1.57	50	µg/m ³
April 2015						
Monitoring Point 5	5/04/2015	PM10	6 days	24.21	50	µg/m ³
Monitoring Point 5	11/04/2015	PM10	6 days	14.01	50	µg/m ³
Monitoring Point 5	17/04/2015	PM10	6 days	13.94	50	µg/m ³
Monitoring Point 5	23/04/2015	PM10	6 days	18.93	50	µg/m ³
Monitoring Point 5	29/04/2015	PM10	6 days	13.05	50	µg/m ³
March 2015						
Monitoring Point 5	6/03/2015	PM10	6 days	9.76	50	µg/m ³
Monitoring Point 5	12/03/2015	PM10	6 days	12.80	50	µg/m ³
Monitoring Point 5	18/03/2015	PM10	6 days	21.18	50	µg/m ³
Monitoring Point 5	24/03/2015	PM10	6 days	5.67	50	µg/m ³
Monitoring Point 5	30/03/2015	PM10	6 days	16.37	50	µg/m ³
February 2015						
Monitoring Point 5	4/02/2015	PM10	6 days	14.89	50	µg/m ³
Monitoring Point 5	10/02/2015	PM10	6 days	11.46	50	µg/m ³
Monitoring Point 5	16/02/2015	PM10	6 days	17.76	50	µg/m ³
Monitoring Point 5	22/02/2015	PM10	6 days	8.66	50	µg/m ³
Monitoring Point 5	28/02/2015	PM10	6 days	9.92	50	µg/m ³
January 2015						
Monitoring Point 5	11/01/2015	PM10	6 days	13.83	50	µg/m ³
Monitoring Point 5	17/01/2015	PM10	6 days	10.46	50	µg/m ³
Monitoring Point 5	23/01/2015	PM10	6 days	24.34	50	µg/m ³
Monitoring Point 5	29/01/2015	PM10	6 days	12.89	50	µg/m ³
December 2014						
Monitoring Point 5	6/12/2014	PM10	6 days	7.77	50	µg/m ³
Monitoring Point 5	12/12/2014	PM10	6 days	9.05	50	µg/m ³
Monitoring Point 5	18/12/2014	PM10	6 days	17.23	50	µg/m ³
Monitoring Point 5	24/12/2014	PM10	6 days	9.71	50	µg/m ³
Monitoring Point 5	30/12/2014	PM10	6 days	15.93	50	µg/m ³
November 2014						

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Monitoring Point 5	6/11/2014	PM10	6 days	15.68	50	$\mu\text{g}/\text{m}^3$
Monitoring Point 5	12/11/2014	PM10	6 days	11.91	50	$\mu\text{g}/\text{m}^3$
Monitoring Point 5	18/11/2014	PM10	6 days	11.17	50	$\mu\text{g}/\text{m}^3$
Monitoring Point 5	24/11/2014	PM10	6 days	24.00	50	$\mu\text{g}/\text{m}^3$
Monitoring Point 5	30/11/2014	PM10	6 days	16.35	50	$\mu\text{g}/\text{m}^3$
October 2014						
Monitoring Point 5	1/10/2014	PM10	6 days	10.35	50	$\mu\text{g}/\text{m}^3$
Monitoring Point 5	7/10/2014	PM10	6 days	11.39	50	$\mu\text{g}/\text{m}^3$
Monitoring Point 5	13/10/2014	PM10	6 days	9.89	50	$\mu\text{g}/\text{m}^3$
Monitoring Point 5	19/10/2014	PM10	6 days	0.00	50	$\mu\text{g}/\text{m}^3$
Monitoring Point 5	25/10/2014	PM10	6 days	4.40	50	$\mu\text{g}/\text{m}^3$
Monitoring Point 5	31/10/2014	PM10	6 days	16.35	50	$\mu\text{g}/\text{m}^3$

Dunmore Quarry Environmental Monitoring Report

Blasting

Blast monitoring is conducted as per condition L4 of EPL 77. The blasting monitoring results for the reporting period is summarised below.

Sample Period: August 2018
 Licensee: Dunmore Quarry
 Licensee Address: Princes Hwy, Dunmore NSW 2529
 EPL No: 77

Qualifications related to noise:

- * The overpressure level from blasting operations at the premises must not exceed 120dB (Lin Peak) at any time
- * The overpressure level from blasting operations at the premises must not exceed 115dB (Lin Peak) for more than 5% of the total number of blasts over each reporting period
- * Ground vibration peak particle vector from the blasting operations at the premises must not exceed 10mm/sec at any time
- * Ground vibration peak particle vector from the blasting operations at the premises must not exceed 5mm/sec for more than 5% of the total number of blasts over each reporting period
- * Blast monitoring overpressure and ground vibration is measured at the McParland Property

Location	Blast Date	Results Received	Time	Ground Vibration Result	GV Compliant	Overpressure Result	OP Compliant
Benny Residence	20-Sept-18	20-Sept-18	9:20	1.78	Yes	100	Yes
Benny Residence	29-Aug-18	29-Aug-18	12:51	3.56	Yes	100	Yes
Benny Residence	23-Aug-18	23-Aug-18	12:16	1.14	Yes	101.9	Yes
Benny Residence	8-Aug-18	8-Aug-18	13:05	1.14	Yes	97.5	Yes
Benny Residence	25-Jul-18	25-Jul-18	15:13	1.52	Yes	106	Yes
Benny Residence	11-Jul-18	11-Jul-18	14:38	1.52	Yes	97.5	Yes
Benny Residence	4-Jul-18	4-Jul-18	14:31	1.02	Yes	94	Yes
Benny Residence	20-Jun-18	20-Jun-18	14:03	1.4	Yes	100	Yes
Benny Residence	14-Jun-18	14-Jun-18	9:30	1.4	Yes	104.2	Yes
Benny Residence	8-Jun-18	8-Jun-18	9:16	1.65	Yes	103.5	Yes
Benny Residence	31-May-18	31-May-18	9:31	1.016	Yes	95.9	Yes
Benny Residence	17-May-18	17-May-18	9:45	1.14	Yes	101.9	Yes
Benny Residence	9-May-18	9-May-18	13:31	No Trigger	Yes	No Trigger	Yes
Benny Residence	2-May-18	2-May-18	13:49	0.76	Yes	101	Yes
Benny Residence	27-Apr-18	27-Apr-18	11:11	No Trigger	Yes	No Trigger	Yes
Benny Residence	18-Apr-18	18-Apr-18	13:23	1.02	Yes	100	Yes
Benny Residence	11-Apr-18	11-Apr-18	13:08	2.03	Yes	106.5	Yes
Benny Residence	4-Apr-18	4-Apr-18	9:08	0.762	Yes	97.5	Yes
Benny Residence	26-Mar-18	26-Mar-18	13:29	2.29	Yes	95.9	Yes
Benny Residence	14-Mar-18	14-Mar-18	14:05	4.83	Yes	97.5	Yes
Benny Residence	7-Mar-18	7-Mar-18	15:01	1.9	Yes	97.5	Yes

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Benny Residence	28-Feb-18	28-Feb-18	12:22	4.32	Yes	95.9	Yes
Benny Residence	27-Feb-18	27-Feb-18	14:13	5.59	Yes	98.8	Yes
Benny Residence	21-Feb-18	21-Feb-18	13:45	3.15	Yes	110.9	Yes
MacParland Residence	14-Feb-18	14-Feb-18	14:56	3.56	Yes	117.4	Yes
MacParland Residence	7-Feb-18	7-Feb-18	12:25	2.29	Yes	105.5	Yes
MacParland Residence	2-Feb-18	2-Feb-18	12:14	3.43	Yes	106	Yes
MacParland Residence	29-Jan-18	29-Jan-18	14:50	4.83	Yes	112	Yes
MacParland Residence	23-Jan-18	23-Jan-18	10:47	0.51	Yes	102.8	Yes
MacParland Residence	17-Jan-18	17-Jan-18	13:27	2.16	Yes	110.6	Yes
MacParland Residence	10-Jan-18	10-Jan-18	13:48	1.52	Yes	112.6	Yes
MacParland Residence	20-Dec-17	20-Dec-17	13:15	1.65	Yes	107.5	Yes
MacParland Residence	13-Dec-17	13-Dec-17	9:41	2.67	Yes	107.5	Yes
MacParland Residence	6-Dec-17	6-Dec-17	12:13	0.508	Yes	102.8	Yes
MacParland Residence	29-Nov-17	29-Nov-17	14:01	2.92	Yes	110.6	Yes
MacParland Residence	20-Nov-17	20-Nov-17	12:08	2.3	Yes	102.8	Yes
MacParland Residence	15-Nov-17	15-Nov-17	12:20	0.51	Yes	100	Yes
MacParland Residence	15-Nov-17	15-Nov-17	9:19	2.41	Yes	109.9	Yes
MacParland Residence	8-Nov-17	8-Nov-17	12:13	3.1	Yes	60.7	Yes
MacParland Residence	1-Nov-17	1-Nov-17	12:34	2.29	Yes	101	Yes

Historical Results

Location	Blast Date	Results Received	Time	Ground Vibration Result	GV Compliant	Overpressure Result	OP Compliant
October 2017							
McParlands	05-October-17	05-October-17	12:06	3.2	Y	100.0	Y
McParlands	11- October -17	11- October -17	12:11	1.1	Y	104.2	Y
McParlands	20- October -17	20- October -17	12:14	0.8	Y	100.0	Y
McParlands	27- October -17	27- October -17	09:32	3.20	Y	113.8	Y
September 2017							
McParlands	07-September-17	07- September -17	14:24	3.810	Y	107.5	Y
McParlands	13- September -17	13- September -17	14:17	1.140	Y	101.90	Y
McParlands	13- September -17	13- September -17	14:01	2.20	Y	105.5	Y
McParlands	22- September -17	22- September -17	13:01	1.270	Y	101.9	Y
McParlands	27- September -17	27- September -17	12:25	1.900	Y	108.4	Y
August 2017							
McParlands	01-August-17	01-August-17	12:31	No Trigger	Y	No Trigger	Y
McParlands	09-August-17	09-August-17	12:18	2.41	Y	101.90	Y
McParlands	16-August-17	16-August-17	12:02	2.92	Y	Approx.: 116	Y
McParlands	23-August-17	23-August-17	13:21	1.40	Y	110.50	Y
McParlands	30-August-17	30-August-17	14:01	0.762	Y	101.0	Y
June 2017							
McParlands	07-June-17	07-June-17	11:37	0.850	Y	100.0	Y
McParlands	14-June-17	14-June-17	12:19	0.630	Y	107.5	Y
McParlands	14-June-17	14-June-17	12:22	0.510	Y	97.5	Y
McParlands	21-June-17	21-June-17	12:26	3.190	Y	102.8	Y
McParlands	30-June-17	30-June-17	12:56	No Trigger	Y	No Trigger	Y
May 2017							
McParlands	03-May-17	03-May-17	13:15	1.140	Y	103.5	Y
McParlands	03-May-17	03-May-17	13:26	1.900	Y	104.2	Y

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McParlands	10-May-17	10-May-17	13:03	No Trigger	-	No Trigger	-
McParlands	17-May-17	17-May-17	13:01	3.050	Y	102.8	Y
McParlands	23-May-17	23-May-17	12:26	3.790	Y	101.9	Y
McParlands	31-May-17	31-May-17	13:04	1.020	Y	98.8	Y
McParlands	31-May-17	31-May-17	12:54	2.030	Y	101.0	Y
February 2017							
McParland	08-Feb-17	08-Feb-17	15:04	1.780	Y	110.2	Y
McParland	08-Feb-17	08-Feb-17	14:52	2.090	Y	113.5	Y
McParland	15-Feb-17	15-Feb-17	12:27	1.520	Y	104.2	Y
McParland	27-Feb-17	27-Feb-17	12:45	1.650	Y	108.8	Y
McParland	21-Feb-17	21-Feb-17	12:09	3.940	Y	101.0	Y
January 2017							
McParland	11-Jan-17	11-Jan-17	12:09	1.400	Y	110.6	Y
McParland	17-Jan-17	17-Jan-17	11:43	3.430	Y	101.9	Y
McParland	24-Jan-17	24-Jan-17	15:35	No Trigger	Y	No Trigger	Y
December 2016							
McParland	06-Dec-16	06-Dec-16	14:27	1.780	Y	103.5	Y
McParland	09-Dec-16	09-Dec-16	12:02	1.400	Y	108.0	Y
McParland	16-Dec-16	16-Dec-16	13:20	3.810	Y	101.9	Y
October 2016							
McParland	05-Oct-16	05-Oct-16	12:21	3.30	Y	104.2	Y
McParland	19-Oct-16	19-Oct-16	14:15	0.89	Y	104.9	Y
McParland	26-Oct-16	26-Oct-16	12:06	0.89	Y	106.5	Y
September 2016							
McParland	07-Sep-16	07-Sep-16	11:58	1.02	Y	103.5	Y
McParland	12-Sep-16	12-Sep-16	12:44	2.92	Y	109.9	Y
McParland	14-Sep-16	14-Sep-16	11:09	2.16	Y	103.5	Y
August 2016							
McParland	02-Aug-16	02-Aug-16	12:22	1.65	Y	106	Y
McParland	03-Aug-16	03-Aug-16	12:00	0.51	Y	101	Y
McParland	09-Aug-16	09-Aug-16	12:49	1.02	Y	107	Y
McParland	16-Aug-16	16-Aug-16	12:09	1.65	Y	112.3	Y
McParland	26-Aug-16	26-Aug-16	12:52	2.16	Y	97.5	Y
McParland	31-Aug-16	31-Aug-16	12:14	1.40	Y	106	Y
July 2016							
McParland	06-Jul-16	06-Jul-16	12:10	1.40	Y	98.8	Y
McParland	11-Jul-16	11-Jul-16	11:15	2.16	Y	104.9	Y
McParland	18-Jul-16	18-Jul-16	12:31	1.40	Y	101.9	Y
McParland	27-Jul-16	27-Jul-16	12:05	2.54	Y	101	Y
June 2016							
McParland	14-Jun-16	14-Jun-16	12:10	2.92	Y	101.9	Y
McParland	22-Jun-16	22-Jun-16	12:55	No trigger	Y	No trigger	Y
McParland	28-Jun-16	28-Jun-16	12:30	2.41	Y	101.9	Y
May 2016							
McParland	02-May-16	02-May-16	12:40	No trigger	Y	No trigger	Y
McParland	11-May-16	11-May-16	13:08	1.40	Y	109.2	Y
McParland	18-May-16	18-May-16	12:22	1.65	Y	107	Y
McParland	24-May-16	24-May-16	13:22	No trigger	Y	No trigger	Y
McParland	25-May-16	25-May-16	12:00	0.66	Y	103.5	Y
McParland	31-May-16	31-May-16	11:43	1.78	Y	101	Y
April 2016							
McParland	06-Apr-16	06-Apr-16	11:43	2.16	Y	107	Y
McParland	13-Apr-16	13-Apr-16	14:24	0.89	Y	101.9	Y
McParland	13-Apr-16	13-Apr-16	14:20	3.17	Y	102.8	Y

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McParland	20-Apr-16	20-Apr-16	11:54	2.16	Y	100	Y
McParland	27-Apr-16	27-Apr-16	13:10	3.17	Y	102	Y
McParland	27-Apr-16	27-Apr-16	13:25	No Trigger	Y	No Trigger	Y
March 2016							
McParland	02-Mar-16	02-Mar-16	12:00	4.30	Y	107.0	Y
McParland	16-Mar-16	16-Mar-16	12:02	2.03	Y	94.0	Y
McParland	23-Mar-16	23-Mar-16	12:26	2.16	Y	103.5	Y
McParland	30-Mar-16	30-Mar-16	12:06	0.63	Y	107.0	Y
February 2016							
McParland	03-Feb-16	03-Feb-16	12:53	1.780	Y	112.8	Y
McParland	10-Feb-16	10-Feb-16	11:03	1.270	Y	97.5	Y
McParland	17-Feb-16	17-Feb-16	12:09	2.290	Y	98.8	Y
McParland	17-Feb-16	17-Feb-16	12:09	2.290	Y	98.8	Y
McParland	18-Feb-16	18-Feb-16	10:28	1.780	Y	95.9	Y
McParland	24-Feb-16	24-Feb-16	12:13	3.170	Y	100	Y
McParland	25-Feb-16	25-Feb-16	11:54	2.410	Y	94	Y
January 2016							
McParland	08-Jan-16	08-Jan-16	13:32	0.64	Y	105.5	Y
McParland	13-Jan-16	13-Jan-16	13:30	1.02	Y	102.8	Y
McParland	13-Jan-16	13-Jan-16	13:30	3.30	Y	102.8	Y
McParland	19-Jan-16	19-Jan-16	11:58	3.68	Y	104.2	Y
McParland	27-Jan-16	27-Jan-16	13:39	1.52	Y	107	Y
December 2015							
McParland	02-Dec-15	02-Dec-15	11:58	2.29	Y	108.8	Y
McParland	09-Dec-15	09-Dec-15	11:59	1.78	Y	101.0	Y
McParland	15-Dec-15	15-Dec-15	11:21	1.40	Y	105.5	Y
November 2015							
McParland	11-Nov-15	11-Nov-15	14:39	1.52	Y	103.5	Y
McParland	11-Nov-15	11-Nov-15	14:49	0.64	Y	114.6	Y
McParland	18-Nov-15	18-Nov-15	12:26	1.14	Y	95.9	Y
McParland	25-Nov-15	25-Nov-15	11:22	1.4	Y	106.5	Y
October 2015							
McParland	02-Oct-15	02-Oct-15	10:42	No Trigger	Y	No Trigger	Y
McParland	06-Oct-15	06-Oct-15	14:48	1.27	Y	114.4	Y
McParland	12-Oct-15	12-Oct-15	12:53	2.5	Y	103.5	Y
McParland	14-Oct-15	14-Oct-15	12:47	2.24	Y	102.8	Y
McParland	28-Oct-15	28-Oct-15	12:24	1.14	Y	104.2	Y

Water Monitoring

Water Quality Monitoring is conducted as per condition M2.3 of EPL 77. The water quality results for the reporting period are tabled below.

Sample Period: September 2018
 Licensee: Dunmore Quarry
 Licensee Address: Princes Hwy, Dunmore NSW 2529
 EPL No: 77

Qualifications related to Water

* Sampling only occurs at Monitoring points #6, #7, #10 during discharge from site.

Dunmore Quarry Environmental Monitoring Report

Results

Location	Monitoring Frequency	Pollutant	Measurement	Unit
Monitoring Point 6	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Flow	ND	KL/day
	Daily during discharge	Oil & Grease	ND	mg/L
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 7	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	mg/L
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 8	Monthly	Conductivity	708	µS/cm
	Monthly	Oil & Grease	>5	mg/L
	Monthly	pH	8.0	pH
	Monthly	Total Suspended Solids	15	mg/L
	Monthly	Turbidity	29.6	NTU
Monitoring Point 10	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	mg/L
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU

Historical Results

Location	Monitoring Frequency	Pollutant	Measurement	Unit
August 2018				
Monitoring Point 6	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Flow	ND	KL/day
	Daily during discharge	Oil & Grease	ND	mg/L
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 7	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	mg/L
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 8	Monthly	Conductivity	583	µS/cm
	Monthly	Oil & Grease	>5	mg/L
	Monthly	pH	7.7	pH
	Monthly	Total Suspended Solids	8	mg/L
	Monthly	Turbidity	24.5	NTU
Monitoring Point 10	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	mg/L
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
July 2018				
Monitoring Point 6	Daily during discharge	Conductivity	ND	µS/cm

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	Daily during discharge	Flow	ND	KL/day
	Daily during discharge	Oil & Grease	ND	mg/L
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 7	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	mg/L
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 8	Monthly	Conductivity	647	µS/cm
	Monthly	Oil & Grease	>5	mg/L
	Monthly	pH	8.7	pH
	Monthly	Total Suspended Solids	32	mg/L
	Monthly	Turbidity	58.4	NTU
Monitoring Point 10	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	mg/L
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
June 2018				
Monitoring Point 6	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Flow	ND	KL/day
	Daily during discharge	Oil & Grease	ND	mg/L
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 7	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	mg/L
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 8	Monthly	Conductivity	552	µS/cm
	Monthly	Oil & Grease	>5	mg/L
	Monthly	pH	8.0	pH
	Monthly	Total Suspended Solids	28	mg/L
	Monthly	Turbidity	14.3	NTU
Monitoring Point 10	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	mg/L
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
May 2018				
Monitoring Point 6	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Flow	ND	KL/day
	Daily during discharge	Oil & Grease	ND	mg/L
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 7	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	mg/L
	Daily during discharge	pH	ND	pH

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	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 8	Monthly	Conductivity	582	µS/cm
	Monthly	Oil & Grease	>5	mg/L
	Monthly	pH	8.0	pH
	Monthly	Total Suspended Solids	34	mg/L
	Monthly	Turbidity	105.0	NTU
Monitoring Point 10	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	mg/L
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
April 2018				
Monitoring Point 6	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Flow	ND	KL/day
	Daily during discharge	Oil & Grease	ND	mg/L
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU

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Monitoring Point 7	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	mg/L
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 8	Monthly	Conductivity	708	µS/cm
	Monthly	Oil & Grease	>5	mg/L
	Monthly	pH	8.3	pH
	Monthly	Total Suspended Solids	49	mg/L
	Monthly	Turbidity	ND	NTU
Monitoring Point 10	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	mg/L
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
March 2018				
Monitoring Point 6	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Flow	ND	KL/day
	Daily during discharge	Oil & Grease	ND	mg/L
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 7	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	mg/L
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 8	Monthly	Conductivity	596	µS/cm
	Monthly	Oil & Grease	<5	mg/L
	Monthly	pH	8.2	pH
	Monthly	Total Suspended Solids	46	mg/L
	Monthly	Turbidity	51.9	NTU
Monitoring Point 10	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	mg/L
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
February 2018				
Monitoring Point 6	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Flow	ND	KL/day
	Daily during discharge	Oil & Grease	ND	mg/L
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 7	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	mg/L
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 8	Monthly	Conductivity	539	µS/cm
	Monthly	Oil & Grease	<5	mg/L
	Monthly	pH	8.3	pH
	Monthly	Total Suspended Solids	36	mg/L
	Monthly	Turbidity	72.2	NTU
Monitoring Point 10	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	mg/L
	Daily during discharge	pH	ND	pH

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	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
January 2018				
	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Flow	ND	KL/day
	Daily during discharge	Oil & Grease	ND	mg/L
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
Monitoring Point 6	Daily during discharge	Turbidity	ND	NTU
	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	mg/L
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
Monitoring Point 7	Daily during discharge	Turbidity	ND	NTU
	Monthly	Conductivity	266	µS/cm
	Monthly	Oil & Grease	<5	mg/L
	Monthly	pH	8.4	pH
	Monthly	Total Suspended Solids	38	mg/L
Monitoring Point 8	Monthly	Turbidity	61.0	NTU
	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	mg/L
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
Monitoring Point 10	Daily during discharge	Turbidity	ND	NTU
December 2017				
Monitoring Point 6	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Flow	ND	KL/day
	Daily during discharge	Oil & Grease	ND	mg/L
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 7	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	mg/L
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 8	Monthly	Conductivity	524	µS/cm
	Monthly	Oil & Grease	<5	mg/L
	Monthly	pH	8.2	pH
	Monthly	Total Suspended Solids	47	mg/L
	Monthly	Turbidity	56.1	NTU
Monitoring Point 10	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	mg/L
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
November 2017				
Monitoring Point 6	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Flow	ND	KL/day
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 7	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	Visible

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	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 8	Monthly	Conductivity	ND	µS/cm
	Monthly	Oil & Grease	ND	Visible
	Monthly	pH	ND	pH
	Monthly	Total Suspended Solids	ND	mg/L
	Monthly	Turbidity	ND	NTU
Monitoring Point 10	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
October 2017				
Monitoring Point 6	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Flow	ND	KL/day
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 7	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 8	Monthly	Conductivity	642	µS/cm
	Monthly	Oil & Grease	NV	Visible
	Monthly	pH	8.4	pH
	Monthly	Total Suspended Solids	46	mg/L
	Monthly	Turbidity	46.0	NTU
Monitoring Point 10	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
September 2017				
Monitoring Point 6	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Flow	ND	KL/day
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 7	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 8	Monthly	Conductivity	685	µS/cm
	Monthly	Oil & Grease	NV	Visible
	Monthly	pH	7.90	pH
	Monthly	Total Suspended Solids	42.0	mg/L
	Monthly	Turbidity	61.8	NTU
Monitoring Point 10	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH

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	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
August 2017				
Monitoring Point 6	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Flow	ND	KL/day
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 7	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 8	Monthly	Conductivity	509	µS/cm
	Monthly	Oil & Grease	NV	Visible
	Monthly	pH	8.3	pH
	Monthly	Total Suspended Solids	47	mg/L
	Monthly	Turbidity	144	NTU
Monitoring Point 10	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
June 2017				
Monitoring Point 6	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Flow	ND	KL/day
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 7	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 8	Monthly	Conductivity	514	µS/cm
	Monthly	Oil & Grease	NV	Visible
	Monthly	pH	8.2	pH
	Monthly	Total Suspended Solids	88	mg/L
	Monthly	Turbidity	118	NTU
Monitoring Point 10	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
May 2017				
Monitoring Point 6	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Flow	ND	KL/day
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 7	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	Visible

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	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 8	Monthly	Conductivity	585	µS/cm
	Monthly	Oil & Grease	NV	Visible
	Monthly	pH	8.3	pH
	Monthly	Total Suspended Solids	130	mg/L
	Monthly	Turbidity	90	NTU
Monitoring Point 10	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
April 2017				
Monitoring Point 6	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Flow	ND	KL/day
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 7	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 8	Monthly	Conductivity	573	µS/cm
	Monthly	Oil & Grease	NV	Visible
	Monthly	pH	8.87	pH
	Monthly	Total Suspended Solids	29.0	mg/L
	Monthly	Turbidity	67.3	NTU
Monitoring Point 10	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
February 2017				
Monitoring Point 6	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Flow	ND	KL/day
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 7	Daily during discharge	Conductivity	883	µS/cm
	Daily during discharge	Oil & Grease	NV	Visible
	Daily during discharge	pH	8.3	pH
	Daily during discharge	Total Suspended Solids	69	mg/L
	Daily during discharge	Turbidity	90	NTU
Monitoring Point 8	Monthly	Conductivity	641	µS/cm
	Monthly	Oil & Grease	NV	Visible
	Monthly	pH	8.3	pH
	Monthly	Total Suspended Solids	58.0	mg/L
	Monthly	Turbidity	146	NTU
Monitoring Point 10	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH

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	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
January 2017				
Monitoring Point 6	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Flow	ND	KL/day
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 7	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 8	Monthly	Conductivity	641	µS/cm
	Monthly	Oil & Grease	NV	Visible
	Monthly	pH	8.3	pH
	Monthly	Total Suspended Solids	58.0	mg/L
	Monthly	Turbidity	146	NTU
Monitoring Point 10	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
December 2016				
Monitoring Point 6	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Flow	ND	KL/day
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 7	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 8	Monthly	Conductivity	641	µS/cm
	Monthly	Oil & Grease	NV	Visible
	Monthly	pH	7.9	pH
	Monthly	Total Suspended Solids	53.0	mg/L
	Monthly	Turbidity	106	NTU
Monitoring Point 10	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
October 2016				
Monitoring Point 6	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Flow	ND	KL/day
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 7	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	Visible

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	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 8	Monthly	Conductivity	503	µS/cm
	Monthly	Oil & Grease	NV	Visible
	Monthly	pH	8.5	pH
	Monthly	Total Suspended Solids	61.0	mg/L
	Monthly	Turbidity	125	NTU
Monitoring Point 10	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
September 2016				
Monitoring Point 6	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Flow	ND	KL/day
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 7	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 8	Monthly	Conductivity	440	µS/cm
	Monthly	Oil & Grease	NV	Visible
	Monthly	pH	8.3	pH
	Monthly	Total Suspended Solids	85.0	mg/L
	Monthly	Turbidity	148	NTU
Monitoring Point 10	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
August 2016				
Monitoring Point 6	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Flow	ND	KL/day
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 7	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 8	Monthly	Conductivity	440	µS/cm
	Monthly	Oil & Grease	NV	Visible
	Monthly	pH	8.3	pH
	Monthly	Total Suspended Solids	85.0	mg/L
	Monthly	Turbidity	148	NTU
Monitoring Point 10	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L

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	Daily during discharge	Turbidity	ND	NTU
July 2016				
Monitoring Point 6	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Flow	ND	KL/day
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 7	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 8	Monthly	Conductivity	450	µS/cm
	Monthly	Oil & Grease	NV	Visible
	Monthly	pH	8.3	pH
	Monthly	Total Suspended Solids	32.0	mg/L
	Monthly	Turbidity	69	NTU
Monitoring Point 10	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
June 2016				
Monitoring Point 6	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Flow	ND	KL/day
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 7	Daily during discharge	Conductivity	214	µS/cm
	Daily during discharge	Oil & Grease	NV	Visible
	Daily during discharge	pH	7.5	pH
	Daily during discharge	Total Suspended Solids	76	mg/L
	Daily during discharge	Turbidity	189	NTU
Monitoring Point 8	Monthly	Conductivity	450	µS/cm
	Monthly	Oil & Grease	NV	Visible
	Monthly	pH	8.4	pH
	Monthly	Total Suspended Solids	65.0	mg/L
	Monthly	Turbidity	140	NTU
Monitoring Point 10	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
May 2016				
Monitoring Point 6	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Flow	ND	KL/day
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 7	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH

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	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 8	Monthly	Conductivity	321	µS/cm
	Monthly	Oil & Grease	NV	Visible
	Monthly	pH	6.8	pH
	Monthly	Total Suspended Solids	48.0	mg/L
	Monthly	Turbidity	65.0	NTU
Monitoring Point 10	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
April 2016				
Monitoring Point 6	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Flow	ND	KL/day
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 7	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 8	Monthly	Conductivity	321	µS/cm
	Monthly	Oil & Grease	NV	Visible
	Monthly	pH	6.8	pH
	Monthly	Total Suspended Solids	48.0	mg/L
	Monthly	Turbidity	65.0	NTU
Monitoring Point 10	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
March 2016				
Monitoring Point 6	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Flow	ND	KL/day
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 7	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 8	Monthly	Conductivity	403	µS/cm
	Monthly	Oil & Grease	NV	Visible
	Monthly	pH	8.30	pH
	Monthly	Total Suspended Solids	36	mg/L
	Monthly	Turbidity	45	NTU
Monitoring Point 10	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L

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	Daily during discharge	Turbidity	ND	NTU
February 2016				
Monitoring Point 6	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Flow	ND	KL/day
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 7	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 8	Monthly	Conductivity	358	µS/cm
	Monthly	Oil & Grease	NV	Visible
	Monthly	pH	8.20	pH
	Monthly	Total Suspended Solids	83	mg/L
	Monthly	Turbidity	130	NTU
Monitoring Point 10	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
January 2016				
Monitoring Point 6	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Flow	ND	KL/day
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 7	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 8	Monthly	Conductivity	475	µS/cm
	Monthly	Oil & Grease	NV	Visible
	Monthly	pH	8.0	pH
	Monthly	Total Suspended Solids	42	mg/L
	Monthly	Turbidity	220	NTU
Monitoring Point 10	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
December 2015				
Monitoring Point 6	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Flow	ND	KL/day
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 7	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH

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	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 8	Monthly	Conductivity	430	µS/cm
	Monthly	Oil & Grease	NV	Visible
	Monthly	pH	7.9	pH
	Monthly	Total Suspended Solids	71	mg/L
	Monthly	Turbidity	130	NTU
Monitoring Point 10	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
November 2015				
Monitoring Point 6	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Flow	ND	KL/day
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 7	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 8	Monthly	Conductivity	452	µS/cm
	Monthly	Oil & Grease	NV	Visible
	Monthly	pH	8.2	pH
	Monthly	Total Suspended Solids	42	mg/L
	Monthly	Turbidity	55	NTU
Monitoring Point 10	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
October 2015				
Monitoring Point 6	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Flow	ND	KL/day
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 7	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L
	Daily during discharge	Turbidity	ND	NTU
Monitoring Point 8	Monthly	Conductivity	441	µS/cm
	Monthly	Oil & Grease	NV	Visible
	Monthly	pH	6.60	pH
	Monthly	Total Suspended Solids	33	mg/L
	Monthly	Turbidity	65.0	NTU
Monitoring Point 10	Daily during discharge	Conductivity	ND	µS/cm
	Daily during discharge	Oil & Grease	ND	Visible
	Daily during discharge	pH	ND	pH
	Daily during discharge	Total Suspended Solids	ND	mg/L

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Daily during discharge

Turbidity

ND

NTU

Dunmore Quarry Monitoring Locations.

Deposited Dust and PM10 Monitoring Locations



Blast Monitoring Location



Water Quality Monitoring Locations

