



Peppertree Quarry

Environmental Monitoring Report



Peppertree 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 13088 (EPL 13088 – Boral Peppertree Quarry)

This report provides environmental monitoring data for Peppertree Quarry for the period January 2015 to February 2021.

Peppertree Quarry Information	
Premise Details	Boral – Peppertree Quarry
Address	843 Marulan South Road, Marulan
Licensee	Boral Resources (NSW) PTY LTD
EPL N°	13088
EPL Location	http://app.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=33060&SYSUID=1&LICID=13088

Monitoring data in this report relates to the monitoring undertaken through to February 2021 for the following environmental pollutants:

- Deposited Dust
- Dust PM10
- Dust TSP
- Dust PM2.5

1. Air Quality

Air Quality Monitoring is conducted as per condition M2 of EPL 13088. The air quality results for the reporting period are tabled below.

1.1 Deposited Dust

Deposited Dust (g/m²/month) results for December 2020.

Sample Date: 4th December 2020
 Date received: 10/2/2021
 Date Published: 20/3/2021
 Licensee: Peppertree Quarry
 Licensee Address: 843 Marulan South Road, Marulan, NSW 2579
 EPL No: 13088

Qualifications related to Dust

Frequency of monitoring - Monthly

Air Emissions Monitoring - Dust Deposition Gauge

Results					
December 2020					
<u>Location</u>	<u>Ash</u> g/m ² /month	<u>Insoluble solids</u> g/m ² /month	<u>Soluble Solids</u> g/m ² /month	<u>Running Annual</u> <u>Average - ASH</u> g/m ² /month	<u>Running</u> <u>Annual</u> <u>Average</u> <u>Insoluble</u> <u>Solids</u> g/m ² /month
Monitoring Point 1 (D1)	0.64	0.9	1.32	1	1.45
Monitoring Point 2 (D2)	1.17	1.85	.7	1.72	2.51
Monitoring Point 3 (D3)	0.7	1.34	2.28	1.32	2.14

The deposited dust data for the reporting period indicates that the deposited dust results range from 0.9g/m²/month of insoluble solids at Monitoring Point 1 to 1.85 g/m²/month of insoluble solids at Monitoring Point 2.

The running annual average for insoluble solids is below the criteria for all sites.

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Historical results

<u>Location</u>	<u>Ash</u> <u>g/m²/month</u>	<u>Insoluble</u> <u>solids</u> <u>g/m²/month</u>	<u>Soluble Solids</u> <u>g/m²/month</u>	<u>Running Annual</u> <u>Average - ASH</u> <u>g/m²/month</u>	<u>Running</u> <u>Annual</u> <u>Average</u> <u>Insoluble</u> <u>Solids</u> <u>g/m²/month</u>	<u>Interpolate</u> <u>d annual</u> <u>average</u> <u>insoluble</u> <u>solids</u> <u>At the</u> <u>nearest</u> <u>boundary</u> <u>g/m²/month</u>
November 2020						
Monitoring Point 1 (D1)	0.4	0.61	0.29	1.21	1.73	0.3
Monitoring Point 2 (D2)	0.42	1.13	1.41	1.81	2.63	1.6
Monitoring Point 3 (D3)	1.22	1.39	2.77	1.59	2.51	1.4
October 2020						
Monitoring Point 1 (D1)	0.64	2.06	0.73	1.35	1.94	0.4
Monitoring Point 2 (D2)	0.69	2.27	2.03	1.89	2.66	1.7
Monitoring Point 3 (D3)	1.03	2.34	0.97	1.66	2.67	1.7
September 2020						
Monitoring Point 1 (D1)	0.33	0.54	0.27	1.43	1.95	0.4
Monitoring Point 2 (D2)	0.81	1.36	0.31	1.96	2.62	1.7
Monitoring Point 3 (D3)	0.73	1.87	0.83	1.68	2.64	1.7
August 2020						
Monitoring Point 1 (D1)	0.52	0.82	0.67	1.55	2.09	0.5
Monitoring Point 2 (D2)	0.67	1.07	1.31	1.93	2.59	1.7
Monitoring Point 3 (D3)	0.69	0.71	1.77	1.72	2.62	1.7
July 2020						
Monitoring Point 1 (D1)	1.03	1.33	0.13	1.7	2.38	0.5
Monitoring Point 2 (D2)	0.68	0.94	0.33	1.96	2.63	1.7
Monitoring Point 3 (D3)	0.92	2.04	1.46	1.73	2.64	1.8
June 2020						
Monitoring Point 1 (D1)	0.51	0.89	0.5	1.65	2.36	0.6
Monitoring Point 2 (D2)	0.85	0.91	1.07	1.95	2.6	1.8
Monitoring Point 3 (D3)	1.74	2.2	1.25	1.73	2.6	1.7
May 2020						
Monitoring Point 1 (D1)	1.67	2.21	0.89	1.69	2.39	0.6
Monitoring Point 2 (D2)	1.35	1.73	0.79	2.03	2.86	1.7
Monitoring Point 3 (D3)	0.71	1.07	1.38	1.65	2.64	1.7
April 2020						
Monitoring Point 1 (D1)	1.17	1.31	0.65	1.51	2.30	0.6
Monitoring Point 2 (D2)	1.7	1.75	0.3	2	2.79	1.9
Monitoring Point 3 (D3)	1.75	2.31	1.64	1.62	2.59	1.8
March 2020						
Monitoring Point 1 (D1)	1.04	1.81	0.67	1.51	2.34	0.6
Monitoring Point 2 (D2)	0.87	1.41	0.39	1.92	2.74	1.8
Monitoring Point 3 (D3)	0.63	1.85	0.66	1.52	2.46	1.7
February 2020						
Monitoring Point 1 (D1)	No sample due to broken bottle					
Monitoring Point 2 (D2)	1.80	4.65	2.66	1.93	2.72	1.8
Monitoring Point 3 (D3)	2.01	3.37	0.93	1.63	2.6	1.6
January 2020						

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<u>Location</u>	<u>Ash</u> g/m ² /month	<u>Insoluble solids</u> g/m ² /month	<u>Soluble Solids</u> g/m ² /month	<u>Running Annual Average - ASH</u> g/m ² /month	<u>Running Annual Average Insoluble Solids</u> g/m ² /month	<u>Interpolated annual average insoluble solids At the nearest boundary</u> g/m ² /month
Monitoring Point 1 (D1)	3.09	3.42	2.76	1.69	2.42	0.5
Monitoring Point 2 (D2)	9.67	11.09	1.49	2.04	2.72	1.6
Monitoring Point 3 (D3)	3.69	5.10	3.06	1.67	2.70	1.6
December 2019						
Monitoring Point 1 (D1)	2.91	4.05	0.03	1.87	2.94	0.5
Monitoring Point 2 (D2)	2.91	3.2	0.05	1.57	2.30	1.2
Monitoring Point 3 (D3)	3.93	5.75	1.16	1.65	3.04	1.6
November 2019						
Monitoring Point 1 (D1)	1.94	2.57	0.67	2.33	4.02	0.7
Monitoring Point 2 (D2)	1.42	1.86	0.37	1.75	2.55	1.4
Monitoring Point 3 (D3)	2.09	3.05	1.15	1.61	3.05	1.8
October 2019						
Monitoring Point 1 (D1)	1.52	2.17	1.12	2.41	4.18	1
Monitoring Point 2 (D2)	1.52	1.78	0.85	1.91	2.77	1.6
Monitoring Point 3 (D3)	1.29	1.88	1.29	1.65	3.45	2.0
September 2019						
Monitoring Point 1 (D1)	1.69	2.24	1.02	2.7	4.27	1
Monitoring Point 2 (D2)	0.44	0.97	1.14	2.08	2.95	2
Monitoring Point 3 (D3)	1.15	1.66	2.49	1.97	3.56	2.4
August 2019						
Monitoring Point 1 (D1)	2.08	4.19	2.67	2.88	4.68	1
Monitoring Point 2 (D2)	0.98	1.26	0.58	2.16	3.19	1.8
Monitoring Point 3 (D3)	0.81	1.38	1.62	2.02	3.72	2.3
July 2019						
Monitoring Point 1 (D1)	0.53	1.05	0.05	2.69	4.57	1.1
Monitoring Point 2 (D2)	0.6	0.64	0.28	2.28	3.29	2.1
Monitoring Point 3 (D3)	0.98	1.54	0.19	2.03	4.03	2.5
June 2019						
Monitoring Point 1 (D1)	0.98	1.26	0.49	2.84	4.73	1.1
Monitoring Point 2 (D2)	1.82	3.94	0.52	2.41	3.47	2.2
Monitoring Point 3 (D3)	0.76	2.66	0.74	2.2	4.19	2.7
May 2019						
Monitoring Point 1 (D1)	1.19	1.2	0.89	3.16	5.35	1.2
Monitoring Point 2 (D2)	0.96	0.97	1.14	2.45	3.41	2.2
Monitoring Point 3 (D3)	0.39	0.46	2.26	2.32	4.27	2.8
April 2019						
Monitoring Point 1 (D1)	1.12	1.82	0.26	3.45	5.95	1.3
Monitoring Point 2 (D2)	0.82	1.13	0.54	2.52	3.55	2.3
Monitoring Point 3 (D3)	0.56	0.77	0.19	2.45	4.51	3.0
March 2019						
Monitoring Point 1 (D1)	1.24	1.41	11.11	4.11	7.43	1.5
Monitoring Point 2 (D2)	0.88	1.17	9.80	2.71	3.86	2.4
Monitoring Point 3 (D3)	1.87	3.63	4.93	2.59	4.77	3.1
February 2019						

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<u>Location</u>	<u>Ash</u> g/m ² /month	<u>Insoluble solids</u> g/m ² /month	<u>Soluble Solids</u> g/m ² /month	<u>Running Annual Average - ASH</u> g/m ² /month	<u>Running Annual Average Insoluble Solids</u> g/m ² /month	<u>Interpolated annual average insoluble solids At the nearest boundary</u> g/m ² /month
Monitoring Point 1 (D1)	2.03	3.66	1.52	4.27	7.75	1.8
Monitoring Point 2 (D2)	3.22	4.68	2.02	2.90	4.14	2.6
Monitoring Point 3 (D3)	2.53	4.56	1.86	2.61	4.79	3.1
January 2019						
Monitoring Point 1 (D1)	5.15	9.68	5.09	4.40	8.01	1.9
Monitoring Point 2 (D2)	3.97	5.95	1.35	1.35	4.04	2.6
Monitoring Point 3 (D3)	3.49	9.14	3.21	3.21	4.93	3.1

<u>Location</u>	<u>Ash</u> g/m ² /month	<u>Insoluble solids</u> g/m ² /month	<u>Soluble Solids</u> g/m ² /month	<u>Running Annual Average - ASH</u> g/m ² /month	<u>Running Annual Average Insoluble Solids</u> g/m ² /month
December 2018					
Monitoring Point 1 (D1)	8.45	17.03	5.42	4.31	7.81
Monitoring Point 2 (D2)	4.33	6.25	0.93	0.93	3.89
Monitoring Point 3 (D3)	3.42	5.84	2.37	2.37	4.54
November 2018					
Monitoring Point 1 (D1)	2.88	4.49	1.77	3.96	6.91
Monitoring Point 2 (D2)	3.35	4.47	0.72	0.72	3.57
Monitoring Point 3 (D3)	2.56	7.82	2.16	2.16	4.53
October 2018					
Monitoring Point 1 (D1)	2.31	3.22	2.15	4.44	8.88
Monitoring Point 2 (D2)	2.84	3.98	2.27	2.51	3.51
Monitoring Point 3 (D3)	1.74	3.26	2.70	2.34	4.12
September 2018					
Monitoring Point 1 (D1)	4.32	7.13	4.07	4.51	9.11
Monitoring Point 2 (D2)	2.62	1.15	3.82	2.21	3.52
Monitoring Point 3 (D3)	1.99	3.52	2.2	2.05	4.10
August 2018					
Monitoring Point 1 (D1)	2.03	2.9	1.38	4.30	9.11
Monitoring Point 2 (D2)	1.89	2.46	0.62	2.19	3.43

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Monitoring Point 3 (D3)	4.04	5.19	2.77	2.05	4.09
July 2018					
Monitoring Point 1 (D1)	2.35	2.98	2.01	4.27	8.68
Monitoring Point 2 (D2)	2.19	2.77	1.31	2.30	3.38
Monitoring Point 3 (D3)	2.99	3.43	0.98	2.16	3.82
June 2018					
Monitoring Point 1 (D1)	4.90	8.63	9.57	4.27	8.77
Monitoring Point 2 (D2)	2.37	3.21	0.36	2.31	3.33
Monitoring Point 3 (D3)	2.24	3.61	2.21	2.09	3.89
May 2018					
Monitoring Point 1 (D1)	4.58	8.41	4.57	4.11	8.39
Monitoring Point 2 (D2)	1.73	2.7	1.2	2.34	3.4
Monitoring Point 3 (D3)	1.94	3.35	2.59	2.07	3.88
April 2018					
Monitoring Point 1 (D1)	9.07	19.58	8.93	3.86	7.88
Monitoring Point 2 (D2)	3.18	4.81	0.88	2.35	3.39
Monitoring Point 3 (D3)	2.28	3.92	2.28	1.99	3.75
March 2018					
Monitoring Point 1 (D1)	3.22	5.24	5.13	3.29	6.51
Monitoring Point 2 (D2)	3.12	4.54	3.29	2.29	3.27
Monitoring Point 3 (D3)	2.11	3.82	2.95	1.96	3.80
February 2018					
Monitoring Point 1 (D1)	3.59	6.83	2.72	3.17	6.24
Monitoring Point 2 (D2)	2.51	3.52	0.53	2.13	2.99
Monitoring Point 3 (D3)	2.35	6.3	3.42	1.94	3.84
January 2018					
Monitoring Point 1 (D1)	4.07	7.27	5.74	3.09	6.06
Monitoring Point 2 (D2)	3.28	4.09	2.20	2.15	3.05
Monitoring Point 3 (D3)	2.36	4.36	3.45	1.93	3.92
December 2017					
Monitoring Point 1 (D1)	4.2	6.21	4.1	3.00	5.88
Monitoring Point 2 (D2)	1.95	2.47	1.01	2.19	3.21

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Monitoring Point 3 (D3)	2.42	5.77	3.88	2.13	4.82
November 2017					
Monitoring Point 1(D1)	8.59	28.18	97.33	2.88	5.65
Monitoring Point 2 (D2)	2.46	3.71	1.49	2.18	3.33
Monitoring Point 3 (D3)	1.56	2.89	1.25	2.14	5.06
October 2017					
Monitoring Point 1	3.2	5.94	4.32	2.02	3.19
Monitoring Point 2	2.73	4.18	2.09	2.05	3.42
Monitoring Point 3	1.78	3.01	2.35	2.10	4.95
September 2017					
Monitoring Point 1	1.82	2.76	0.65	1.88	2.91
Monitoring Point 2	1.64	2.69	1.38	1.91	3.25
Monitoring Point 3	1.97	3.37	2.23	2.05	4.94
August 2017					
Monitoring Point 1	1.62	2.17	0.85	1.83	2.85
Monitoring Point 2	1.16	1.82	0.80	1.87	3.21
Monitoring Point 3	1.35	2.05	1.5	1.97	4.84
July 2017					
Monitoring Point 1	2.36	3.99	1.65	1.86	2.88
Monitoring Point 2	1.61	2.23	0.54	1.87	3.24
Monitoring Point 3	2.72	4.21	1.1	1.95	4.85
June 2017					
Monitoring Point 1	3.01	4.09	0.9	1.88	3
Monitoring Point 2	2.73	4.02	0.72	1.85	3.26
Monitoring Point 3	2.04	3.53	2.35	1.84	4.74
May 2017					
Monitoring Point 1	1.6	2.28	0.58	1.81	2.97
Monitoring Point 2	1.83	2.62	0.96	1.73	3.1
Monitoring Point 3	0.9	1.81	1.49	1.74	4.56
April 2017					
Monitoring Point 1	2.14	3.11	1.76	1.79	2.91
Monitoring Point 2	2.46	3.30	1.33	1.62	2.94
Monitoring Point 3	1.9	4.42	2.14	1.75	4.55
March 2017					
Monitoring Point 1	1.79	2.09	2.77	1.78	2.85
Monitoring Point 2	1.20	1.28	1.80	1.57	2.86
Monitoring Point 3	1.88	4.38	3.24	1.69	4.36
February 2017					
Monitoring Point 1	2.62	4.61	4.14	1.73	2.82
Monitoring Point 2	2.70	4.17	0.83	1.59	2.94
Monitoring Point 3	2.22	7.21	4.17	1.63	4.33
January 2017					
Monitoring Point 1	1.33	2.79	2.33	1.64	2.58
Monitoring Point 2	2.33	4.89	2.80	1.49	2.77
Monitoring Point 3	4.34	14.17	5.45	1.59	4.2
December 2016					
Monitoring Point 1	1.27	2.49	1.33	1.58	2.43
Monitoring Point 2	2.04	4.98	1.91	1.41	2.53
Monitoring Point 3	2.29	8.36	4.41	1.35	3.5
November 2016					

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Monitoring Point 1	1.46	1.98	1.56	1.64	2.49
Monitoring Point 2	2.20	4.81	3.05	1.45	2.41
Monitoring Point 3	1.78	2.88	2.37	1.37	4.02
October 2016					
Monitoring Point 1	1.56	2.56		1.61	2.57
Monitoring Point 2	1.00	2.21	0.80	1.38	2.21
Monitoring Point 3	1.18	2.94	1.21	1.30	4.13
September 2016					
Monitoring Point 1	1.24	2.06	0.4	2.32	4.24
Monitoring Point 2	1.13	2.24	1.01	1.49	2.33
Monitoring Point 3	1.03	2.06	1.32	1.33	4.13
August 2016					
Monitoring Point 1	1.94	2.5	0.12	2.33	4.19
Monitoring Point 2	1.21	2.11	1.26	1.47	2.23
Monitoring Point 3	1.13	2.23	1.34	1.27	4.01
July 2016					
Monitoring Point 1	2.56	5.41	4.2	2.27	4.14
Monitoring Point 2	1.31	2.49	0.50	1.43	2.12
Monitoring Point 3	1.38	2.88	0.47	1.30	4.05
June 2016					
Monitoring Point 1	2.23	3.81	1.41	3.07	5.22
Monitoring Point 2	1.37	2.05	0.95	1.42	2.07
Monitoring Point 3	0.9	1.37	1.27	1.31	4.04
May 2016					
Monitoring Point 1	1.37	1.46	0.49	3.02	5.08
Monitoring Point 2	0.43	0.69	0.28	1.52	2.25
Monitoring Point 3	0.93	1.7	0.61	1.32	4.10
April 2016					
Monitoring Point 1	2.03	2.41	0.45	3.86	6.94
Monitoring Point 2	1.86	2.35	0.85	1.63	2.43
Monitoring Point 3	1.16	2.14	1.44	1.34	4.14
March 2016					
Monitoring Point 1	1.09	1.72	0.18	3.82	6.97
Monitoring Point 2	1.51	2.26	0.15	1.57	2.44
Monitoring Point 3	1.16	4.06	2.57	1.33	4.25
February 2016					
Monitoring Point 1	1.56	1.77	3.53	3.97	7.17
Monitoring Point 2	1.54	2.15	3.32	1.62	2.53
Monitoring Point 3	1.8	5.66	5.45	1.36	4.21
January 2016					
Monitoring Point 1	0.61	1.01	0.5	4.01	7.3
Monitoring Point 2	1.36	1.98	0.55	1.63	2.53
Monitoring Point 3	1.49	5.71	3.29	1.34	4.03
December 2015					
Monitoring Point 1	2.04	3.17	3.95	4.14	7.62
Monitoring Point 2	2.52	3.56	1.75	1.65	2.57
Monitoring Point 3	2.44	14.58	11.38	1.32	3.94
November 2015					
Monitoring Point 1	1.14	2.94	0.46	4.21	7.72
Monitoring Point 2	1.30	2.41	0.59	1.60	2.44
Monitoring Point 3	1.05	4.21	1.29	1.27	3.02
October 2015					
Monitoring Point 1	10.06	22.62	9.01	4.28	7.68

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Monitoring Point 2	2.33	3.62	0.94	1.51	2.29
Monitoring Point 3	1.48	2.96	2.03	1.27	3.07
September 2015					
Monitoring Point 1	1.38	1.5	9.25	3.57	6.08
Monitoring Point 2	0.87	1.04	2.61	1.45	2.2
Monitoring Point 3	0.26	0.59	3.72	1.27	3.13
August 2015					
Monitoring Point 1	1.16	1.9	1.02	3.55	6.10
Monitoring Point 2	0.80	0.84	0.74	1.45	2.2
Monitoring Point 3	1.51	2.75	0.32	1.33	3.21
July 2015					
Monitoring Point 1	12.2	18.27	5.41	3.61	6.18
Monitoring Point 2	1.15	1.88	0.54	1.47	2.26
Monitoring Point 3	1.48	2.72	0.8	1.29	3.15
June 2015					
Monitoring Point 1	1.57	2.16	2.28	2.70	4.77
Monitoring Point 2	2.57	4.22	4.55	1.46	2.23
Monitoring Point 3	1.03	2.12	4.28	1.31	3.12
May 2015					
Monitoring Point 1	11.52	23.81	8.13	2.65	4.74
Monitoring Point 2	1.70	2.87	0.93	1.32	1.96
Monitoring Point 3	1.25	2.15	1.31	1.28	3.02
April 2015					
Monitoring Point 1	1.49	2.76	1.05	1.77	2.98
Monitoring Point 2	1.17	2.43	1.95	1.25	1.83
Monitoring Point 3	1	3.53	1.78	1.28	3.06
March 2015					
Monitoring Point 1	2.96	4.17	2.73	1.84	3.26
Monitoring Point 2	2.13	3.36	0.44	1.25	1.81
Monitoring Point 3	1.56	3.56	2.33	1.26	2.99
February 2015					
Monitoring Point 1	2.01	3.29	3.67	1.86	3.73
Monitoring Point 2	1.71	2.12	1.81	1.15	1.61
Monitoring Point 3	1.52	3.42	4.05	1.22	3.03
January 2015					
Monitoring Point 1	2.13	4.88	3.99	1.93	4.24
Monitoring Point 2	1.57	2.54	0.23	1.18	1.72
Monitoring Point 3	1.27	4.65	3.32	1.20	2.99

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1.2 PM10

PM10 ($\mu\text{g}/\text{m}^3$) results for the month of January 2021

Sample Period: January 2021
 Date Received: 4/3/2021
 Date Published: 20/3/2021
 Licensee: Peppertree Quarry
 Licensee
 Address: 843 Marulan south Road, Marulan NSW 2579
 EPL No: 13088

Qualifications related to Dust:

* Air Emissions Monitoring - High Volume Air Sampler

Sampling Frequency is collection of samples over a 24hr period, every 6 days. Protocols are contained in the Air Quality Management Plan found on this website.

Twenty-Four (24) hour criteria is $50 \mu\text{g}/\text{m}^3$.

The Annual average criteria was $30 \mu\text{g}/\text{m}^3$. until 29th July 2020 when it changed to $25 \mu\text{g}/\text{m}^3$. with the acceptance of the Air Quality Management Plan for Modification 5.

Results						
<u>Location</u>	<u>Date Sampled</u>	<u>Pollutant</u>	<u>Measurement</u> $\mu\text{g}/\text{m}^3$	<u>Rolling Annual Average</u> $\mu\text{g}/\text{m}^3$	<u>Limit annual average</u> $\mu\text{g}/\text{m}^3$	<u>PTQ estimated contribution to most impacted receptor</u> $\mu\text{g}/\text{m}^3$
Monitoring Point 2	6/2/2021	PM10	No sample failure of HVAS. PM10 HVAS removed for repairs			
Monitoring Point 2	31/1/2021	PM10	No sample failure of HVAS to run 24 hours			
Monitoring Point 2	25/1/2021	PM10	No sample due to power outage			
Monitoring Point 2	19/1/2021	PM10	No sample failure of HVAS to run 24hours			
Monitoring Point 2	13/1/2021	PM10	No sample failure of HVAS to run 24 hours			
Monitoring Point 2	7/1/2021	PM10	5.23	15.29	25	TBA
Monitoring Point 2	1/1/2021	PM10	Awaiting lab results			

The PM10 data indicates that during the sampling period the rolling annual average data range was between $12.21 \mu\text{g}/\text{m}^3$ and $15.29 \mu\text{g}/\text{m}^3$. Twenty-four-hour results ranged from 5.23 and $47.14 \mu\text{g}/\text{m}^3$.

The running annual average for PM10 is below the criteria for the sample periods.

There has been issues with the PM10 HVAS failing to run for a full 24 hour period on a number of sampling days. The HVAS is serviced and calibrated every 2 months by an independent consultant. Thomson Environmental have removed the PM10 HVAS for assessment and repairs.

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Historical results

Location	Date	Pollutant	Measurement µg/m ³	Rolling Annual Average µg/m ³	Limit annual average µg/m ³	<u>PTQ estimated contribution to most impacted receptor</u> µg/m ³
December 2020						
Monitoring Point 2	26/12/2020	PM10	Awaiting lab results			
Monitoring Point 2	20/12/2020	PM10	No sample failure of HVAS to run 24 hours			
Monitoring Point 2	14/12/2020	PM10	No sample failure of HVAS to run 24 hours			
Monitoring Point 2	8/12/2020	PM10	3.69	20.73	25	
Monitoring Point 2	4/12/2020 (rerun)	PM10	5.79	22.59	25	
Monitoring Point 2	2/12/2020	PM10	20.13	24.56	25	
November 2020						
Monitoring Point 2	26/11/2020	PM10	No sample failure of HVAS			
Monitoring Point 2	20/11/2020	PM10	15.71	25.27	25	2.7
Monitoring Point 2	14/11/2020	PM10	8.97	25.44	25	0
Monitoring Point 2	8/11/2020	PM10	7.18	25.48	25	3.7
Monitoring Point 2	2/11/2020	PM10	8.22	26.72	25	3.7
October 2020						
Monitoring Point 2	27/10/2020	PM10	3.92	27.09	25	2
Monitoring Point 2	21/10/2020	PM10	39.59	27.21	25	5.2
Monitoring Point 2	15/10/2020	PM10	32.18	26.74	25	0.7
Monitoring Point 2	9/10/2020	PM10	1.88	26.37	25	0
September 2020						
Monitoring Point 2	7/10/2020	PM10	4.25	26.63	25	2
Monitoring Point 2	3/10/2020	PM10	11.59	26.77	25	0
Monitoring Point 2	27/9/2020	PM10	4.22	27.24	25	0.5
Monitoring Point 2	21/9/2020	PM10	13.71	27.22	25	0
Monitoring Point 2	15/9/2020	PM10	10.82	27.52	25	1.8
Monitoring Point 2	9/9/2020	PM10	9.64	27.54	25	4.2
August 2020						
Monitoring Point 2	3/9/2020	PM10	22.77	28.26	25	0
Monitoring Point 2	28/8/2020	PM10	7.19	28.12	25	0
Monitoring Point 2	22/8/2020	PM10	2.2	28.04	25	0
Monitoring Point 2	16/8/2020	PM10	2.5	28.33	25	0
Monitoring Point 2	10/8/2020	PM10	4.32	28.36	25	2.2

July 2020						
Monitoring Point 2	4/8/2020	PM10	9.21	28.33	25	µg/m ³
Monitoring Point 2	29/7/2020	PM10	1.88	29.76	30	µg/m ³
Monitoring Point 2	23/7/2020	PM10	8.32	29.79	30	µg/m ³
Monitoring Point 2	17/7/2020 ¹	PM10	10.14	29.73	30	µg/m ³
Monitoring Point 2	11/7/2020	PM10	31.05	29.95	30	µg/m ³
<p>1. Note PM10 HVAS failed to run a complete 24 hour cycle on the 17th. Additional runs were made on the 20th July once the HVAS had been inspected.</p>						

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June 2020						
Monitoring Point 2	5/7/2020	PM10	1.12	29.17	30	µg/m ³
Monitoring Point 2	29/6/2020	PM10	6.51	29.15	30	µg/m ³
Monitoring Point 2	23/6/2020	PM10	0.5	29.15	30	µg/m ³
Monitoring Point 2	17/6/2020	PM10	8.11	29.21	30	µg/m ³
Monitoring Point 2	11/6/2020	PM10	3.72	29.14	30	µg/m ³
Monitoring Point 2	5/6/2020	PM10	4.68	29.14	30	µg/m ³
May 2020						
Monitoring Point 2	30/5/2020	PM10	3.45	29.06	30	µg/m ³
Monitoring Point 2	24/5/2020	PM10	0.13	29.28	30	µg/m ³
Monitoring Point 2	18/5/2020	PM10	15.51	29.33	30	µg/m ³
Monitoring Point 2	12/5/2020	PM10	13.33	29.1	30	µg/m ³
Monitoring Point 2	6/5/2020	PM10	9	29.07	30	µg/m ³
Monitoring Point 2	4/5/2020 (extra run)	PM10	1.64	29.25	30	µg/m ³
Monitoring Point 2	1/5/2020 (extra run)	PM10	1.07	29.24	30	µg/m ³
April 2020						
Monitoring Point 2	30/4/2020	PM10	1.81	29.33	30	µg/m ³
Monitoring Point 2	27/4/2020	PM10	102.64	Replacement run for 24/4/2020 however error with machine run time (13 hours) so sample discontinued		
Monitoring Point 2	24/4/2020	PM10	12.30	Error with machine run time (10 hours) so sample discontinued		
Monitoring Point 2	18/4/2020	PM10	16.81	30.12	30	µg/m ³
Monitoring Point 2	12/4/2020	PM10	17.61	30.25	30	µg/m ³
Monitoring Point 2	6/4/2020	PM10	7.86	30.31	30	µg/m ³
March 2020						
Monitoring Point 2	31/3/2020	PM10	8.22	30.74	30	µg/m ³
Monitoring Point 2	25/3/2020	PM10	34.91	30.82	30	µg/m ³
Monitoring Point 2	19/3/2020	PM10	15.18	30.24	30	µg/m ³
February 2020						
Monitoring Point 2	13/3/2020	PM10	49.2	30.06	30	µg/m ³
Monitoring Point 2	7/3/2020	PM10	4.38	29.36	30	µg/m ³
Monitoring Point 2	1/3/2020	PM10	10.61	30.17	30	µg/m ³
Monitoring Point 2	24/2/2020	PM10	19.74	30.94	30	µg/m ³
Monitoring Point 2	18/2/2020	PM10	21.29	30.92	30	µg/m ³
Monitoring Point 2	12/2/2020	PM10	8.53	31.83	30	µg/m ³
Monitoring Point 2	6/2/2020	PM10	6.14	32.22	30	µg/m ³
January 2020						
Monitoring Point 2	31/1/2020	PM10	14.23	32.46	30	µg/m ³
Monitoring Point 2	25/1/2020	PM10	25.65	32.38	30	µg/m ³
Monitoring Point 2	19/1/2020	PM10	32.6	32.42	30	µg/m ³
Monitoring Point 2	13/1/2020	PM10	119.22	32.53	30	µg/m ³
Monitoring Point 2	7/1/2020	PM10	128.51	31.21	30	µg/m ³
November / December 2019						
Monitoring Point 2	1/1/2020	PM10	331.13	29.38	30	µg/m ³
Monitoring Point 2	26/12/2019	PM10	115.38	24.64	30	µg/m ³
Monitoring Point 2	20/12/2019	PM10	124.15	23.04	30	µg/m ³
Monitoring Point 2	14/12/2019	PM10	62.69	21.34	30	µg/m ³

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Monitoring Point 2	8/12/2019	PM10	25.80	20.55	30	µg/m ³
Monitoring Point 2	2/12/2019	PM10	11.45	20.74	30	µg/m ³
Monitoring Point 2	26/11/2019	PM10	81.48	20.8	30	µg/m ³
Monitoring Point 2	20/11/2019	PM10	30.78	19.61	30	µg/m ³
Monitoring Point 2	14/11/2019	PM10	11.23	19.69	30	µg/m ³
October 2019						
Monitoring Point 2	8/11/2019	PM10	11.19	20.93	30	µg/m ³
Monitoring Point 2	2/11/2019	PM10	9.95	21.38	30	µg/m ³
Monitoring Point 2	27/10/2019	PM10	17.23	21.81	30	µg/m ³
Monitoring Point 2	21/10/2019	M10	12.69	21.84	30	µg/m ³
Monitoring Point 2	15/10/2019	PM10	40.13	21.93	30	µg/m ³
August / September 2019						
Monitoring Point 2	9/10/2019	PM10	2.74	21.35	30	µg/m ³
Monitoring Point 2	3/10/2019	PM10	31.96	21.52	30	µg/m ³
Monitoring Point 2	27/9/2019	PM10	11.66	21.84	30	µg/m ³
Monitoring Point 2	21/9/2019	PM10	53	21.8	30	µg/m ³
Monitoring Point 2	15/9/2019	PM10	14.47	21.36	30	µg/m ³
Monitoring Point 2	9/9/2019	PM10	2.16	21.43	30	µg/m ³
Monitoring Point 2	3/9/2019	PM10	19.79	21.51	30	µg/m ³
Monitoring Point 2	28/8/2019	PM10	4.38	21.72	30	µg/m ³
Monitoring Point 2	22/8/2019	M10	2.67	22.04	30	µg/m ³
Monitoring Point 2	16/8/2019	PM10	95.05	22.03	30	µg/m ³
July 2019						
Monitoring Point 2	10/8/2019	PM10	3.25	20.50	30	µg/m ³
Monitoring Point 2	4/8/2019	PM10	4.72	20.69	30	µg/m ³
Monitoring Point 2	29/7/2019	PM10	2.18	21.26	30	µg/m ³
Monitoring Point 2	23/7/2019	PM10	5.36	21.45	30	µg/m ³
Monitoring Point 2	17/7/2019	PM10	0.46	21.42	30	µg/m ³
Monitoring Point 2	11/7/2019	PM10	0.23	21.49	30	µg/m ³
June 2019						
Monitoring Point 2	5/7/2019	PM10	4.08	21.5	30	µg/m ³
Monitoring Point 2	29/6/2019	PM10	3.96	21.66	30	µg/m ³
Monitoring Point 2	23/6/2019	PM10	3.46	21.78	30	µg/m ³
Monitoring Point 2	17/6/2019	PM10	0.07	21.83	30	µg/m ³
May 2019						
Monitoring Point 2	11/6/19	PM10	16.75	21.84	30	µg/m ³
Monitoring Point 2	5/6/19	PM10	3.36	21.58	30	µg/m ³
Monitoring Point 2	30/5/19	PM10	1.42	21.72	30	µg/m ³
Monitoring Point 2	24/5/19	PM10	11.27	22.52	30	µg/m ³
Monitoring Point 2	18/5/19	PM10	19.92	22.66	30	µg/m ³
Monitoring Point 2	12/5/19	PM10	1.18	22.61	30	µg/m ³
April 2019						
Monitoring Point 2	6/5/2019	PM10	6.74	22.62	30	µg/m ³
Monitoring Point 2	30/4/2019	PM10	49.05	22.54	30	µg/m ³
Monitoring Point 2	24/4/2019	PM10	24.74	21.92	30	µg/m ³
Monitoring Point 2	18/5/2019	PM10	21.05	22.78	30	µg/m ³
Monitoring Point 2	12/4/2019	PM10	33.58	23.27	30	µg/m ³
March 2019						
Monitoring Point 2	6/4/2019	PM10	12.81	23.36	30	µg/m ³
Monitoring Point 2	31/3/2019	PM10	0.34	24.13	30	µg/m ³
Monitoring Point 2	25/3/2019	PM10	4.58	24.57	30	µg/m ³
Monitoring Point 2	19/3/2019	PM10	6.86	25.15	30	µg/m ³
Monitoring Point 2	13/3/2019	PM10	53.22	25.27	30	µg/m ³

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Monitoring Point 2	7/3/2019	PM10	56.73	24.67	30	µg/m ³
February 2019						
Monitoring Point 2	1/3/19	PM10	18.3	24.13	30	µg/m ³
Monitoring Point 2	23/2/19	PM10	76.2	24.03	30	µg/m ³
Monitoring Point 2	17/2/19	PM10	32.06	23.38	30	µg/m ³
Monitoring Point 2	13/2/19	PM10	20.23	23.12	30	µg/m ³
Monitoring Point 2	11/2/19	PM10	9.6	23.45	30	µg/m ³
Monitoring Point 2	7/2/19	PM10	no sample	23.71	30	µg/m ³
Monitoring Point 2	5/2/19	PM10	27.77	23.71	30	µg/m ³
January 2019						
Monitoring Point 2	30/1/19	PM10	39.3	23.96	30	µg/m ³
Monitoring Point 2	24/1/19	PM10	no sample	25.21	30	µg/m ³
Monitoring Point 2	18/1/19	PM10	no sample	25.21	30	µg/m ³
Monitoring Point 2	15/1/19	PM10	40.3	25.21	30	µg/m ³
Monitoring Point 2	12/1/19	PM10	18.21	25.39	30	µg/m ³
Monitoring Point 2	6/1/19	PM10	no sample	25.73	30	µg/m ³
December 2018						
Monitoring Point 2	31/12/18	PM10	46.78	25.73	30	µg/m ³
Monitoring Point 2	25/12/18	PM10	99.62	25.69	30	µg/m ³
Monitoring Point 2	19/12/18	PM10	22.41	25.65	30	µg/m ³
Monitoring Point 2	13/12/18	PM10	15.32	26.62	30	µg/m ³
Monitoring Point 2	7/12/18	PM10	37.08	26.92	30	µg/m ³
Monitoring Point 2	1/12/18	PM10	14.75	26.69	30	µg/m ³
November 2018						
Monitoring Point 2	25/11/18	PM10	10.23	26.76	30	µg/m ³
Monitoring Point 2	19/11/18	PM10	35.31	26.92	30	µg/m ³
Monitoring Point 2	13/11/18	PM10	86.01	27.03	30	µg/m ³
Monitoring Point 2	7/11/18	PM10	38.23	25.70	30	µg/m ³
Monitoring Point 2	1/11/18	PM10	35.33	25.16	30	µg/m ³
October 2018						
Monitoring Point 2	26/10/18	PM10	19.43	24.98	30	µg/m ³
Monitoring Point 2	20/10/18	PM10	17.74	25.08	30	µg/m ³
Monitoring Point 2	14/10/18	PM10	5.39	25.21	30	µg/m ³
Monitoring Point 2	8/10/18	PM10	13.00	25.42	30	µg/m ³
Monitoring Point 2	2/10/18	PM10	50.98	25.38	30	µg/m ³
September 2018						
Monitoring Point 2	26/9/18	PM10	9.35	24.92	30	µg/m ³
Monitoring Point 2	20/9/18	PM10	27.02	24.88	30	µg/m ³
Monitoring Point 2	15/9/18	PM10	18.30	24.84	30	µg/m ³
Monitoring Point 2	8/9/18	PM10	7.00	24.61	30	µg/m ³
Monitoring Point 2	4/9/18	PM10	32.76	24.94	30	µg/m ³
August 2018						
Monitoring Point 2	27/8/18	PM10	23.14	24.65	30	µg/m ³
Monitoring Point 2	21/8/18	PM10	1.99	24.69	30	µg/m ³
Monitoring Point 2	15/8/18	PM10	3.25	25.12	30	µg/m ³
Monitoring Point 2	9/8/18	PM10	14.93	25.27	30	µg/m ³
Monitoring Point 2	3/8/18	PM10	38.99	25.23	30	µg/m ³
July 2018						
Monitoring Point 2	28/07/18	PM10	13.38	24.97	30	µg/m ³
Monitoring Point 2	25/07/18	PM10	3.36	24.83	30	µg/m ³
Monitoring Point 2	16/07/18	PM10	4.77	25.3	30	µg/m ³
Monitoring Point 2	10/07/18	PM10	7.09	25.32	30	µg/m ³
Monitoring Point 2	4/7/18	PM10	13.79	25.62	30	µg/m ³
June 2018						

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Monitoring Point 2	28/6/18	PM10	10.81	25.44	30	µg/m ³
Monitoring Point 2	22/6/18	PM10	6.90	25.4	30	µg/m ³
Monitoring Point 2	16/6/18	PM10	0.13	25.43	30	µg/m ³
Monitoring Point 2	10/6/18	PM10	1.58	25.93	30	µg/m ³
Monitoring Point 2	4/6/18	PM10	11.7	26.42	30	µg/m ³
May 2018						
Monitoring Point 2	29/5/18	PM10	49.09	26.21	30	µg/m ³
Monitoring Point 2	23/5/18	PM10	19.87	25.74	30	µg/m ³
Monitoring Point 2	22/5/18	PM10	17.18	25.41	30	µg/m ³
Monitoring Point 2	11/5/18	PM10	1.53	25.23	30	µg/m ³
April 2018						
Monitoring Point 2	30/4/18	PM10	11.86	26.03	30	
Monitoring Point 2	24/4/18	PM10	76.31	25.93	30	µg/m ³
Monitoring Point 2	17/4/18	PM10	50.83	24.44	30	µg/m ³
Monitoring Point 2	12/4/18	PM10	38.61	23.76	30	µg/m ³
Monitoring Point 2	9/4/18	PM10	59.28	23.54	30	µg/m ³
March 2018						
Monitoring Point 2	30/3/18	PM10	26.72	22.46	30	µg/m ³
Monitoring Point 2	24/3/18	PM10	39.56	22.2	30	µg/m ³
Monitoring Point 2	21/3/18	PM10	13.99	21.47	30	µg/m ³
Monitoring Point 2	12/3/18	PM10	16.77	21.54	30	µg/m ³
Monitoring Point 2	6/3/18	PM10	24.61	21.31	30	
February 2018						
Monitoring Point 2	28/2/18	PM10	12.18	20.96	30	µg/m ³
Monitoring Point 2	22/2/18	PM10	37.31	20.89	30	µg/m ³
Monitoring Point 2	19/2/18	PM10	16.64	21.11	30	µg/m ³
Monitoring Point 2	10/2/18	PM10	40.06	21.18	30	µg/m ³
Monitoring Point 2	4/2/18	PM10	24.79	20.47	30	µg/m ³
January 2018						
Monitoring Point 2	29/1/18	PM10	43.09	20.39	30	µg/m ³
Monitoring Point 2	23/1/18	PM10	114.45	19.77	30	µg/m ³
Monitoring Point 2	17/1/18	PM10	51.02	17.53	30	µg/m ³
Monitoring Point 2	11/1/18	PM10	38.41	16.53	30	µg/m ³
Monitoring Point 2	5/1/18	PM10	44.1	16.14	30	µg/m ³
December 2017						
Monitoring Point 2	30/12/17	PM10	17.47	15.35	30	µg/m ³
Monitoring Point 2	28/12/17	PM10	80.86	15.05	30	µg/m ³
Monitoring Point 2	27/12/18	PM10	33.15	14.64	30	µg/m ³
Monitoring Point 2	22/12/17	PM10	23.36	14.51	30	µg/m ³
Monitoring Point 2	20/12/17	PM10	18.88	14.81	30	µg/m ³
Monitoring Point 2	15/12/17	PM10	19.66	15.49	30	µg/m ³
Monitoring Point 2	13/12/17	PM10	41.99	16.41	30	µg/m ³
Monitoring Point 2	7/12/17	PM10	6.27	16.45	30	µg/m ³
Monitoring Point 2	6/12/17	PM10	5.6	17	30	µg/m ³
November 2017						
Monitoring Point 2	30/11/17	PM10	0	17	30	µg/m ³
Monitoring Point 2	24/11/17	PM10	0	017	30	µg/m ³
Monitoring Point 2	18/11/17	PM10	0	17	30	µg/m ³
Monitoring Point 2	12/11/18	PM10	17.47	18.44	30	µg/m ³
Monitoring Point 2	7/11/18	PM10	10.62	18.35	30	µg/m ³
Monitoring Point 2	6/11/18	PM10	0	18.35	30	µg/m ³
Monitoring Point 2	3/11/18	PM10	7.12	18.78	30	µg/m ³
October 2017						

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Monitoring Point 2	31/10/17	PM10	0	18.78	30	µg/m ³
Monitoring Point 2	26/10/17	PM10	5.48	19.05	30	µg/m ³
Monitoring Point 2	25/10/17	PM10	0	19.05	30	µg/m ³
Monitoring Point 2	19/10/17	PM10	17.2	19.97	30	µg/m ³
Monitoring Point 2	16/10/17	PM10	25.4	19.99	30	µg/m ³
Monitoring Point 2	13/10/17	PM10	0	19.99	30	µg/m ³
Monitoring Point 2	7/10/17	PM10	11.18	20.02	30	µg/m ³
Monitoring Point 2	3/10/17	PM10	13.15	20.12	30	µg/m ³
Monitoring Point 2	1/10/17	PM10	0	20.15	30	µg/m ³
September 2017						
Monitoring Point 2	25/9/17	PM10	6.12	19.96	30	µg/m ³
Monitoring Point 2	22/9/17	PM10	44.27	19.92	30	µg/m ³
Monitoring Point 2	19/9/17	PM10	8.92	19.18	30	µg/m ³
Monitoring Point 2	14/9/17	PM10	5.83	19.16	30	µg/m ³
Monitoring Point 2	13/9/17	PM10	0	19.12	30	µg/m ³
Monitoring Point 2	6/9/17	PM10	1.67	18.91	30	µg/m ³
Monitoring Point 2	1/9/17	PM10	8.66	19.1	30	µg/m ³
August 2017						
Monitoring Point 2	29/8/17	PM10	8.76	19.21	30	µg/m ³
Monitoring Point 2	26/8/17	PM10	0	19.45	30	µg/m ³
Monitoring Point 2	20/8/17	PM10	0	19.27	30	µg/m ³
Monitoring Point 2	17/8/17	PM10	1.23	19.02	30	µg/m ³
Monitoring Point 2	14/8/17	PM10	0	19.43	30	µg/m ³
Monitoring Point 2	8/8/17	PM10	3.87	19.23	30	µg/m ³
Monitoring Point 2	2/8/17	PM10	8.04	19.42	30	µg/m ³
July 2017						
Monitoring Point 2	27/7/17	PM10	26.88	19.32	30	µg/m ³
Monitoring Point 2	21/7/17	PM10	15.97	18.93	30	µg/m ³
Monitoring Point 2	15/7/17	PM10	6.73	18.69	30	µg/m ³
Monitoring Point 2	9/7/17	PM10	3.15	18.64	30	µg/m ³
Monitoring Point 2	3/7/17	PM10	17.7	18.76	30	µg/m ³
June 2017						
Monitoring Point 2	27/6/17	PM10	27.67	18.54	30	µg/m ³
Monitoring Point 2	21/6/17	PM10	6.5	18.25	30	µg/m ³
Monitoring Point 2	15/6/17	PM10	14.01	18.18	30	µg/m ³
Monitoring Point 2	9/6/17	PM10	3.53	18.2	30	µg/m ³
Monitoring Point 2	3/6/17	PM10	17.58	18.15	30	µg/m ³
May 2017						
Monitoring Point 2	28/5/17	PM10	5.69	17.96	30	µg/m ³
Monitoring Point 2	22/5/17	PM10	7.26	17.9	30	µg/m ³
Monitoring Point 2	16/5/17	PM10	8.9	18.74	30	µg/m ³
Monitoring Point 2	10/5/17	PM10	47.86	18.75	30	µg/m ³
Monitoring Point 2	4/5/17	PM10	20.45	18.01	30	µg/m ³
April 2017						
Monitoring Point 2	28/4/17	PM10	5.22	17.79	30	µg/m ³
Monitoring Point 2	22/4/17	PM10	20.7	18.09	30	µg/m ³
Monitoring Point 2	16/4/17	PM10	12.83	18.01	30	µg/m ³
Monitoring Point 2	10/4/17	PM10	4.77	18.27	30	µg/m ³
Monitoring Point 2	4/4/17	PM10	2.02	18.68	30	µg/m ³
March 2017						
Monitoring Point 2	29/3/17	PM10	18.92	19	30	µg/m ³
Monitoring Point 2	23/3/17	PM10	5.44	18.96	30	µg/m ³
Monitoring Point 2	17/3/17	PM10	2.74	18.94	30	µg/m ³

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Monitoring Point 2	11/3/17	PM10	61.15	19.06	30	µg/m ³
Monitoring Point 2	5/3/17	PM10	26.36	18.87	30	µg/m ³
February 2017						
Monitoring Point 2	27/2/17	PM10	38.37	19	30	µg/m ³
Monitoring Point 2	21/2/17	PM10	52.19	18.53	30	µg/m ³
Monitoring Point 2	15/2/17	PM10	64.66	17.95	30	µg/m ³
Monitoring Point 2	9/2/17	PM10	43.81	17.52	30	µg/m ³
Monitoring Point 2	3/2/17	PM10	33.17	17.37	30	µg/m ³
January 2017						
Monitoring Point 2	28/1/17	PM10	32.54	17.24	30	µg/m ³
Monitoring Point 2	22/1/17	PM10	27.25	17.04	30	µg/m ³
Monitoring Point 2	16/1/17	PM10	51.24	16.91	30	µg/m ³
Monitoring Point 2	10/1/17	PM10	20.87	16.17	30	µg/m ³
Monitoring Point 2	4/1/17	PM10	12.44	16.43	30	µg/m ³
December 2016						
Monitoring Point 2	29/12/16	PM10	17.81	16.78	30	µg/m ³
Monitoring Point 2	23/12/16	PM10	34.22	17.22	30	µg/m ³
Monitoring Point 2	17/12/16	PM10	13.18	17.39	30	µg/m ³
Monitoring Point 2	11/12/16	PM10	27.27	18.22	30	µg/m ³
Monitoring Point 2	5/12/16	PM10	50.68	19.02	30	µg/m ³
November 2016						
Monitoring Point 2	29/11/16	PM10	24.14	20.78	30	µg/m ³
Monitoring Point 2	23/11/16	PM10	18.51	20.72	30	µg/m ³
Monitoring Point 2	17/11/16	PM10	23.2	22.08	30	µg/m ³
Monitoring Point 2	11/11/16	PM10	23.98	22.03	30	µg/m ³
Monitoring Point 2	5/11/16	PM10	16.36	22.22	30	µg/m ³
October 2016						
Monitoring Point 2	30/10/16	PM10	15.24	22.16	30	µg/m ³
Monitoring Point 2	24/10/16	PM10	9.09	22.72	30	µg/m ³
Monitoring Point 2	18/10/16	PM10	3.96	22.96	30	µg/m ³
Monitoring Point 2	12/10/16	PM10	2.23	23.25	30	µg/m ³
Monitoring Point 2	6/10/16	PM10	7.61	23.36	30	µg/m ³
September 2016						
Monitoring Point 2	30/9/16	PM10	3.34	23.6	30	µg/m ³
Monitoring Point 2	24/9/16	PM10	6.93	23.88	30	µg/m ³
Monitoring Point 2	18/9/16	PM10	12.76	23.94	30	µg/m ³
Monitoring Point 2	12/9/16	PM10	15.06	23.88	30	µg/m ³
Monitoring Point 2	6/9/16	PM10	22.52	23.8	30	µg/m ³
August 2016						
Monitoring Point 2	31/8/16	PM10	9.1	23.51	30	µg/m ³
Monitoring Point 2	25/8/16	PM10	4.46	23.46	30	µg/m ³
Monitoring Point 2	19/8/16	PM10	25.42	23.41	30	µg/m ³
Monitoring Point 2	13/8/16	PM10	7.38	23.33	30	µg/m ³
Monitoring Point 2	7/8/16	PM10	15.59	23.26	30	µg/m ³
Monitoring Point 2	1/8/16	PM10	1.83	23.12	30	µg/m ³
July 2016						
Monitoring Point 2	26/7/16	PM10	2.78	23.11	30	µg/m ³
Monitoring Point 2	20/7/16	PM10	1.75	23.11	30	µg/m ³
Monitoring Point 2	14/7/16	PM10	3.41	23.15	30	µg/m ³
Monitoring Point 2	8/7/16	PM10	10.5	23.78	30	µg/m ³
Monitoring Point 2	2/7/16	PM10	4.61	26.11	30	µg/m ³
June 2016						
Monitoring Point 2	26/6/16	PM10	10.05	26.08	30	µg/m ³

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Monitoring Point 2	20/6/16	PM10	1.86	26	30	µg/m ³
Monitoring Point 2	14/6/16	PM10	15.04	26.01	30	µg/m ³
Monitoring Point 2	8/6/16	PM10	1.01	26.08	30	µg/m ³
Monitoring Point 2	2/6/16	PM10	5.66	26.13	30	µg/m ³
May 2016						
Monitoring Point 2	27/5/16	PM10	2.28	26.11	30	µg/m ³
Monitoring Point 2	21/5/16	PM10	58.18	26.26	30	µg/m ³
Monitoring Point 2	15/5/16	PM10	9.68	25.35	30	µg/m ³
Monitoring Point 2	9/5/16	PM10	2.96	25.36	30	µg/m ³
Monitoring Point 2	3/5/16	PM10	6.69	25.38	30	µg/m ³
April 2016						
Monitoring Point 2	29/4/16	PM10	23.33	25.32	30	µg/m ³
Monitoring Point 2	21/4/16	PM10	16.16	24.99	30	µg/m ³
Monitoring Point 2	15/4/16	PM10	28.66	24.76	30	µg/m ³
Monitoring Point 2	9/4/16	PM10	29.43	24.57	30	µg/m ³
Monitoring Point 2	3/4/16	PM10	21.54	24.3	30	µg/m ³
March 2016						
Monitoring Point 2	28/3/16	PM10	16.95	24.1	30	µg/m ³
Monitoring Point 2	22/3/16	PM10	3.92	24.19	30	µg/m ³
Monitoring Point 2	16/3/16	PM10	10.48	24.45	30	µg/m ³
Monitoring Point 2	10/3/16	PM10	49.13	24.81	30	µg/m ³
Monitoring Point 2	4/3/16	PM10	34.41	24.55	30	µg/m ³
February 2016						
Monitoring Point 2	27/2/16	PM10	9.83	24.5	30	µg/m ³
Monitoring Point 2	21/2/16	PM10	16.97	24.61	30	µg/m ³
Monitoring Point 2	15/2/16	PM10	38.28	24.82	30	µg/m ³
Monitoring Point 2	9/2/16	PM10	34.7	24.29	30	µg/m ³
Monitoring Point 2	3/2/16	PM10	25.18	23.83	30	µg/m ³
January 2016						
Monitoring Point 2	28/1/16	PM10	19.94	23.87	30	µg/m ³
Monitoring Point 2	22/1/16	PM10	19.44	23.72	30	µg/m ³
Monitoring Point 2	16/1/16	PM10	6.13	23.4	30	µg/m ³
Monitoring Point 2	10/1/16	PM10	36.94	23.3	30	µg/m ³
Monitoring Point 2	4/1/16	PM10	33.85	22.69	30	µg/m ³
December 2015						
Monitoring Point 2	29/12/15	PM10	44.31	22.14	30	µg/m ³
Monitoring Point 2	23/12/15	PM10	44.76	21.41	30	µg/m ³
Monitoring Point 2	17/12/15	PM10	63.88	20.68	30	µg/m ³
Monitoring Point 2	11/12/15	PM10	76.01	19.63	30	µg/m ³
Monitoring Point 2	5/12/15	PM10	158.27	18.39	30	µg/m ³
November 2015						
Monitoring Point 2	29/11/15	PM10	20.35	15.79	30	µg/m ³
Monitoring Point 2	23/11/15	PM10	101.65	15.46	30	µg/m ³
Monitoring Point 2	17/11/15	PM10	20.00	13.79	30	µg/m ³
Monitoring Point 2	11/11/15	PM10	35.78	13.46	30	µg/m ³
Monitoring Point 2	5/11/15	PM10	12.33	13.22	30	µg/m ³
October 2015						
Monitoring Point 2	30/10/15	PM10	49.62	13.85	30	µg/m ³
Monitoring Point 2	24/10/15	PM10	23.79	13.21	30	µg/m ³
Monitoring Point 2	18/10/15	PM10	21.32	13.34	30	µg/m ³
Monitoring Point 2	12/10/15	PM10	8.98	13.2	30	µg/m ³
Monitoring Point 2	6/10/15	PM10	22.53	13.36	30	µg/m ³
September 2015						

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Monitoring Point 2	30/9/15	PM10	20.47	13.11	30	µg/m ³
Monitoring Point 2	24/9/15	PM10	10.68	13.2	30	µg/m ³
Monitoring Point 2	18/9/15	PM10	8.89	13.34	30	µg/m ³
Monitoring Point 2	12/9/15	PM10	10.08	13.26	30	µg/m ³
Monitoring Point 2	6/9/15	PM10	4.76	13.27	30	µg/m ³
August 2015						
Monitoring Point 2	31/8/15	PM10	6.39	13.25	30	µg/m ³
Monitoring Point 2	25/8/15	PM10	1.37	13.33	30	µg/m ³
Monitoring Point 2	19/8/15	PM10	20.65	13.55	30	µg/m ³
Monitoring Point 2	13/8/15	PM10	3.02	13.4	30	µg/m ³
Monitoring Point 2	7/8/15	PM10	6.84	14.07	30	µg/m ³
Monitoring Point 2	1/8/15	PM10	1.38	14.23	30	µg/m ³
July 2015						
Monitoring Point 2	26/7/15	PM10	2.4	14.42	30	µg/m ³
Monitoring Point 2	20/7/15	PM10	4.4	14.61	30	µg/m ³
Monitoring Point 2	14/7/15	PM10	42.03	14.79	30	µg/m ³
Monitoring Point 2	8/7/15	PM10	152.41	14.1	30	µg/m ³
Monitoring Point 2	2/7/15	PM10	3.02	11.68	30	µg/m ³
June 2015						
Monitoring Point 2	26/6/15	PM10	4.98	11.72	30	µg/m ³
Monitoring Point 2	20/6/15	PM10	2.35	11.7	30	µg/m ³
Monitoring Point 2	14/6/15	PM10	19.19	11.7	30	µg/m ³
Monitoring Point 2	8/6/15	PM10	4.51	11.53	30	µg/m ³
Monitoring Point 2	2/6/15	PM10	4.38	11.65	30	µg/m ³
May 2015						
Monitoring Point 2	27/5/15	PM10	11.42	11.72	30	µg/m ³
Monitoring Point 2	21/5/15	PM10	2.7	11.53	30	µg/m ³
Monitoring Point 2	15/5/15	PM10	10.05	11.49	30	µg/m ³
Monitoring Point 2	9/5/15	PM10	4.5	11.58	30	µg/m ³
Monitoring Point 2	3/5/15	PM10	2.54	11.87	30	µg/m ³
April 2015						
Monitoring Point 2	27/4/15	PM10	3.18	12.17	30	µg/m ³
Monitoring Point 2	21/4/15	PM10	2.34	12.57	30	µg/m ³
Monitoring Point 2	15/4/15	PM10	17.38	12.89	30	µg/m ³
Monitoring Point 2	9/4/15	PM10	12.84	13.3	30	µg/m ³
Monitoring Point 2	3/4/15	PM10	8.94	13.42	30	µg/m ³
March 2015						
Monitoring Point 2	28/3/15	PM10	22.57	13.98	30	µg/m ³
Monitoring Point 2	22/3/15	PM10	20.06	13.8	30	µg/m ³
Monitoring Point 2	16/3/15	PM10	32.41	13.81	30	µg/m ³
Monitoring Point 2	10/3/15	PM10	33.22	13.53	30	µg/m ³
Monitoring Point 2	4/3/15	PM10	31.49	13.24	30	µg/m ³
February 2015						
Monitoring Point 2	26/2/15	PM10	16.44	13.05	30	µg/m ³
Monitoring Point 2	20/2/15	PM10	29.64	13.2	30	µg/m ³
Monitoring Point 2	14/2/15	PM10	5.88	13.04	30	µg/m ³
Monitoring Point 2	8/2/15	PM10	6.92	13.55	30	µg/m ³
Monitoring Point 2	2/2/15	PM10	27.6	14.21	30	µg/m ³
January 2015						
Monitoring Point 2	27/1/15	PM10	10.62	14.45	30	µg/m ³
Monitoring Point 2	21/1/15	PM10	0	14.42	30	µg/m ³
Monitoring Point 2	15/1/15	PM10	0	14.66	30	µg/m ³
Monitoring Point 2	9/1/15	PM10	0	15.14	30	µg/m ³

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Monitoring Point 2	3/1/15	PM10	0	15.42	30	$\mu\text{g}/\text{m}^3$

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1.3 TSP

TSP ($\mu\text{g}/\text{m}^3$) results for the month of January 2021

Sample Period: January 2021
Date Received: 4/3/2021
Date Published: 20/3/2021
Licensee: Peppertree Quarry
Licensee
Address: 843 Marulan south Road, Marulan NSW 2579
EPL No: 13088

Qualifications related to Dust:

* Air Emissions Monitoring - High Volume Air Sampler

Sampling Frequency is collection of samples over a 24hr period, every 6 days. Protocols are contained in the Air Quality Management Plan found on this website.

Results						
Location	Date Sampled	Pollutant	Measurement	Rolling Annual Average	Limit	Unit
Monitoring Point 1	6/2/2021	TSP	29.36	36.22	90	$\mu\text{g}/\text{m}^3$
Monitoring Point 1	31/1/2021	TSP	28.26	36.5	90	$\mu\text{g}/\text{m}^3$
Monitoring Point 1	25/1/2021	TSP	No sample due to power outage			
Monitoring Point 1	19/1/2021	TSP	85.20	36.45	90	$\mu\text{g}/\text{m}^3$
Monitoring Point 1	13/1/2021	TSP	85.47	35.67	90	$\mu\text{g}/\text{m}^3$
Monitoring Point 1	7/1/2021	TSP	16.37	37.16	90	$\mu\text{g}/\text{m}^3$
Monitoring Point 1	1/1/2021	TSP	15.61	41.24	90	$\mu\text{g}/\text{m}^3$

The TSP data indicates that during the sampling period the data range was between $15.61\mu\text{g}/\text{m}^3$ and $85.47\mu\text{g}/\text{m}^3$. The rolling annual average data range was between $36.22\mu\text{g}/\text{m}^3$ and $41.24\mu\text{g}/\text{m}^3$, below the long-term criteria.

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Historical results

Location	Date	Pollutant	Measurement	Rolling Annual Average	Limit annual average	Unit
Monitoring Point 2	26/12/2020	TSP	23.17	41.99	90	µg/m ³
Monitoring Point 2	20/12/2020	TSP	32.57	44.96	90	µg/m ³
Monitoring Point 2	14/12/2020	TSP	28.13	47.96	90	µg/m ³
Monitoring Point 2	8/12/2020	TSP	28.12	56.29	90	µg/m ³
Monitoring Point 2	2/12/2020	TSP	56.83	58.56	90	µg/m ³
Monitoring Point 2	26/11/2020	TSP	57.2	62.81	90	µg/m ³
November 2020						
Monitoring Point 2	20/11/2020	TSP	78.43	63.81	90	µg/m ³
Monitoring Point 2	14/11/2020	TSP	36.44	64.49	90	µg/m ³
Monitoring Point 2	8/11/2020	TSP	26.42	64.53	90	µg/m ³
Monitoring Point 2	2/11/2020	TSP	17.48	66.78	90	µg/m ³
October 2020						
Monitoring Point 2	27/10/2020	TSP	7.83	67.88	90	µg/m ³
Monitoring Point 2	21/10/2020	TSP	107.53	68.23	90	µg/m ³
Monitoring Point 2	15/10/2020	TSP	86.8	66.86	90	µg/m ³
Monitoring Point 2	9/10/2020	TSP	6.53	65.77	90	µg/m ³
September 2020						
Monitoring Point 2	3/10/2020	TSP	24.63	66.27	90	µg/m ³
Monitoring Point 2	27/9/2020	TSP	13.28	67.35	90	µg/m ³
Monitoring Point 2	21/9/2020	TSP	29.17	68.04	90	µg/m ³
Monitoring Point 2	15/9/2020	TSP	38.8	68.48	90	µg/m ³
Monitoring Point 2	9/9/2020	TSP	20.70	68.82	90	µg/m ³
August 2020						
Monitoring Point 2	3/9/2020	TSP	62.65	68.95	90	µg/m ³
Monitoring Point 2	28/8/2020	TSP	13.35	68.79	90	µg/m ³
Monitoring Point 2	22/8/2020	TSP	5.28	69.04	90	µg/m ³
Monitoring Point 2	16/8/2020	TSP	4.5	69.36	90	µg/m ³
Monitoring Point 2	10/8/2020	TSP	8.48	70.93	90	µg/m ³
July 2020						
Monitoring Point 1	4/8/2020	TSP	15.30	71.22	90	µg/m ³
Monitoring Point 1	29/7/2020	TSP	7.72	71.24	90	µg/m ³
Monitoring Point 1	23/7/2020	TSP	54.43	74	90	µg/m ³
Monitoring Point 1	17/7/2020	TSP	23.02	73.2	90	µg/m ³
Monitoring Point 1	11/7/2020	TSP	42.41	73.35	90	µg/m ³
June 2020						
Monitoring Point 1	5/7/2020	TSP	5.64	72.9	90	µg/m ³
Monitoring Point 1	29/6/2020	TSP	23.35	73.33	90	µg/m ³
Monitoring Point 1	23/6/2020	TSP	3.82	73.08	90	µg/m ³
Monitoring Point 1	17/6/2020	TSP	21.88	73.29	90	µg/m ³
Monitoring Point 1	11/6/2020	TSP	19.31	72.99	90	µg/m ³
Monitoring Point 1	5/6/2020	TSP	21.25	73.1	90	µg/m ³
May 2020						
Monitoring Point 1	30/5/2020	TSP	20.25	72.81	90	µg/m ³
Monitoring Point 1	24/5/2020	TSP	3.84	72.59	90	µg/m ³
Monitoring Point 1	18/5/2020	TSP	59.23	72.78	90	µg/m ³
Monitoring Point 1	14/5/2020	TSP	25.97	71.87	90	µg/m ³

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Monitoring Point 1	12/5/2020	TSP	69.8	71.5	90	µg/m ³
Monitoring Point 1	6/5/2020	TSP	15.37	70.9	90	µg/m ³
March – April 2020						
Monitoring Point 1	4/5/2020 (extra run)	TSP	17.21	71.63	90	µg/m ³
Monitoring Point 1	30/4/2020	TSP	3.25	71.45	90	µg/m ³
Monitoring Point 1	24/4/2020	TSP	33.15	71.67	90	µg/m ³
Monitoring Point 1	18/4/2020	TSP	26.06	73.56	90	µg/m ³
Monitoring Point 1	12/4/2020	TSP	23.49	74.86	90	µg/m ³
Monitoring Point 1	6/4/2020	TSP	35.26	75.58	90	µg/m ³
Monitoring Point 1	31/3/2020	TSP	64.51	76.87	90	µg/m ³
Monitoring Point 1	25/3/2020	TSP	74.52	76.43	90	µg/m ³
Monitoring Point 1	19/3/2020	TSP	132.90	75.42	90	µg/m ³
February 2020						
Monitoring Point 1	13/3/2020	TSP	104.76	73.86	90	µg/m ³
Monitoring Point 1	7/3/2020	TSP	48.15	72.51	90	µg/m ³
Monitoring Point 1	1/3/2020	TSP	54.44	74.76	90	µg/m ³
Monitoring Point 1	24/2/2020	TSP	47.42	76.7	90	µg/m ³
Monitoring Point 1	18/2/2020	TSP	52.58	77.65	90	µg/m ³
Monitoring Point 1	12/2/2020	TSP	19.41	79.96	90	µg/m ³
Monitoring Point 1	6/2/2020	TSP	38.18	81.37	90	µg/m ³
January 2020						
Monitoring Point 1	31/1/2020	TSP	174.85	83.30	90	µg/m ³
Monitoring Point 1	25/1/2020	TSP	261.09	80.93	90	µg/m ³
Monitoring Point 1	19/1/2020	TSP	60.89	78.23	90	µg/m ³
Monitoring Point 1	13/1/2020	TSP	201.05	78.37	90	µg/m ³
Monitoring Point 1	7/1/2020	TSP	212.75	76.9	90	µg/m ³
November / December 2019						
Monitoring Point 1	1/1/2020	TSP	527.83	73.94	90	µg/m ³
Monitoring Point 1	26/12/2019	TSP	164.83	65.53	90	µg/m ³
Monitoring Point 1	20/12/2019	TSP	311.88	64.34	90	µg/m ³
Monitoring Point 1	14/12/2019	TSP	117.02	59.71	90	µg/m ³
Monitoring Point 1	8/12/2019	TSP	119.56	58.63	90	µg/m ³
Monitoring Point 1	2/12/2019	TSP	38.81	57.19	90	µg/m ³
Monitoring Point 1	26/11/2019	TSP	161.58	58.41	90	µg/m ³
Monitoring Point 1	20/11/2019	TSP	83.09	56.23	90	µg/m ³
Monitoring Point 1	14/11/2019	TSP	29.16	55.22	90	µg/m ³
October 2019						
Monitoring Point 1	8/11/2019	TSP	25.05	56.08	90	µg/m ³
Monitoring Point 1	2/11/2019	TSP	21.44	57.34	90	µg/m ³
Monitoring Point 1	27/10/2019	TSP	36.61	57.16	90	µg/m ³
Monitoring Point 1	21/10/2019	TSP	89.37	57.81	90	µg/m ³
Monitoring Point 1	15/10/2019	TSP	54.53	57.18	90	µg/m ³
August / September 2019						
Monitoring Point 1	9/10/2019	TSP	56	57.13	90	µg/m ³
Monitoring Point 1	3/10/2019	TSP	59.18	56.41	90	µg/m ³
Monitoring Point 1	27/9/2019	TSP	28.09	55.77	90	µg/m ³
Monitoring Point 1	21/9/2019	TSP	53.41	57.11	90	µg/m ³
Monitoring Point 1	15/9/2019	TSP	28.39	56.97	90	µg/m ³
Monitoring Point 1	9/9/2019	TSP	21.88	57.61	90	µg/m ³
Monitoring Point 1	3/9/2019	TSP	101.2	57.94	90	µg/m ³
Monitoring Point 1	28/8/2019	TSP	25.93	56.58	90	µg/m ³
Monitoring Point 1	22/8/2019	TSP	16.31	56.35	90	µg/m ³

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Monitoring Point 1	16/8/2019	TSP	173.57	57.32	90	µg/m ³
July 2019						
Monitoring Point 1	10/8/2019	TSP	6.2	54.48	90	µg/m ³
Monitoring Point 1	4/8/2019	TSP	31.9	54.64	90	µg/m ³
Monitoring Point 1	29/7/2019	TSP	15.75	54.85	90	µg/m ³
Monitoring Point 1	23/7/2019	TSP	31.4	55.91	90	µg/m ³
Monitoring Point 1	17/7/2019	TSP	8.31	55.85	90	µg/m ³
Monitoring Point 1	11/7/2019	TSP	16.46	55.77	90	µg/m ³
June 2019						
Monitoring Point 1	5/7/2019	TSP	10.2	55.6	90	µg/m ³
Monitoring Point 1	29/6/2019	TSP	14.68	55.69	90	µg/m ³
Monitoring Point 1	23/6/2019	TSP	8.87	56.15	90	µg/m ³
Monitoring Point 1	17/6/2019	TSP	7.01	56.62	90	µg/m ³
May 2019						
Monitoring Point 1	11/6/19	TSP	15.07	56.71	90	µg/m ³
Monitoring Point 1	5/6/19	TSP	4.77	56.47	90	µg/m ³
Monitoring Point 1	30/5/19	TSP	3.44	56.42	90	µg/m ³
Monitoring Point 1	24/5/19	TSP	33.89	57.31	90	µg/m ³
Monitoring Point 1	18/5/19	TSP	59.42	58.61	90	µg/m ³
Monitoring Point 1	12/5/19	TSP	6.3	58.76	90	µg/m ³
April 2019						
Monitoring Point 1	6/5/2019	TSP	16.19	58.95	90	µg/m ³
Monitoring Point 1	30/4/2019	TSP	146.91	58.73	90	µg/m ³
Monitoring Point 1	24/4/2019	TSP	104.01	56.36	90	µg/m ³
Monitoring Point 1	18/5/2019	TSP	66.56	55.04	90	µg/m ³
Monitoring Point 1	12/4/2019	TSP	112.61	55.95	90	µg/m ³
March 2019						
Monitoring Point 1	6/4/2019	TSP	38.14	56.49	90	µg/m ³
Monitoring Point 1	31/3/2019	TSP	13.97	57.17	90	µg/m ³
Monitoring Point 1	25/3/2019	TSP	39.09	59.05	90	µg/m ³
Monitoring Point 1	19/3/2019	TSP	23.82	59.24	90	µg/m ³
Monitoring Point 1	13/3/2019	TSP	183.14	59.86	90	µg/m ³
Monitoring Point 1	7/3/2019	TSP	171.07	57.00	90	µg/m ³
February 2019						
Monitoring Point 1	1/3/19	TSP	104.01	56.02	90	µg/m ³
Monitoring Point 1	23/2/19	TSP	191.2	55.62	90	µg/m ³
Monitoring Point 1	17/2/19	TSP	100.59	52.97	90	µg/m ³
Monitoring Point 1	13/2/19	TSP	157.37	52.71	90	µg/m ³
Monitoring Point 1	11/2/19	TSP	no sample	52.58	90	µg/m ³
Monitoring Point 1	5/2/19	TSP	33.13	52.58	90	µg/m ³
January 2019						
Monitoring Point 1	30/1/19	TSP	98.95	52.08	90	µg/m ³
Monitoring Point 1	24/1/19	TSP	69.03	51.34	90	µg/m ³
Monitoring Point 1	18/1/19	TSP	118.61	51.53	90	µg/m ³
Monitoring Point 1	12/1/19	TSP	29.9	52.42	90	µg/m ³
Monitoring Point 1	6/1/19	TSP	23.02	53.68	90	µg/m ³
December 2018						
Monitoring Point 1	31/12/18	TSP	93.28	54.42	90	µg/m ³
Monitoring Point 1	25/12/18	TSP	34.31	53.89	90	µg/m ³
Monitoring Point 1	19/12/18	TSP	51.86	53.94	90	µg/m ³
Monitoring Point 1	13/12/18	TSP	33.06	53.64	90	µg/m ³
Monitoring Point 1	7/12/18	TSP	112.35	54.26	90	µg/m ³
Monitoring Point 1	1/12/18	TSP	30.51	53.61	90	µg/m ³
November 2018						

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Monitoring Point 1	25/11/18	TSP	22.44	53.22	90	µg/m ³
Monitoring Point 1	22/11/18	TSP	81	54.62	90	µg/m ³
Monitoring Point 1	19/11/18	TSP	100.43	54.14	90	µg/m ³
Monitoring Point 1	13/11/18	TSP	no sample	53.11	90	µg/m ³
Monitoring Point 1	7/11/18	TSP	10.84	53.11	90	µg/m ³
Monitoring Point 1	1/11/18	TSP	75.86	53.84	90	µg/m ³
October 2018						
Monitoring Point 1	26/10/18	TSP	51.3	52.82	90	µg/m ³
Monitoring Point 1	20/10/18	TSP	51.33	52.41	90	µg/m ³
Monitoring Point 1	14/10/18	TSP	13.24	52.32	90	µg/m ³
Monitoring Point 1	8/10/18	TSP	20.55	52.71	90	µg/m ³
Monitoring Point 1	2/10/18	TSP	108.68	53.10	90	µg/m ³
September 2018						
Monitoring Point 1	26/9/18	TSP	44.96	52.04	90	µg/m ³
Monitoring Point 1	20/9/18	TSP	66.65	51.75	90	µg/m ³
Monitoring Point 1	14/9/18	TSP	41.95	50.93	90	µg/m ³
Monitoring Point 1	8/9/18	TSP	19.63	50.68	90	µg/m ³
Monitoring Point 1	2/9/18	TSP	11.65	50.39	90	µg/m ³
August 2018						
Monitoring Point 1	27/8/18	TSP	74.96	50.95	90	µg/m ³
Monitoring Point 1	21/8/18	TSP	3.03	50.07	90	µg/m ³
Monitoring Point 1	15/8/18	TSP	15.9	50.85	90	µg/m ³
Monitoring Point 1	9/8/18	TSP	44.1	50.90	90	µg/m ³
Monitoring Point 1	3/8/18	TSP	79.75	50.22	90	µg/m ³
July 2018						
Monitoring Point 1	28/7/18	TSP	27.7	49.24	90	µg/m ³
Monitoring Point 1	22/7/18	TSP	3.53	49.14	90	µg/m ³
Monitoring Point 1	16/7/18	TSP	5.9	49.57	90	µg/m ³
Monitoring Point 1	10/7/18	TSP	15.74	49.53	90	µg/m ³
Monitoring Point 1	4/7/18	TSP	42.6	49.31	90	µg/m ³
June 2018						
Monitoring Point 1	28/6/18	TSP	36.88	49.19	90	µg/m ³
Monitoring Point 1	22/6/18	TSP	12.52	49.96	90	µg/m ³
Monitoring Point 1	16/6/18	TSP	0.77	50.09	90	µg/m ³
Monitoring Point 1	10/6/18	TSP	1.77	50.59	90	µg/m ³
Monitoring Point 1	4/6/18	TSP	56.8	50.6	90	µg/m ³
May 2018						
Monitoring Point 1	29/5/18	TSP	111.63	50.62	90	µg/m ³
Monitoring Point 1	23/5/18	TSP	68.46	48.95	90	µg/m ³
Monitoring Point 1	17/5/18	TSP	17.58	48.32	90	µg/m ³
Monitoring Point 1	11/5/18	TSP	2.87	48.39	90	µg/m ³
April 2018						
Monitoring Point 1	30/4/18	TSP	24.89	51.57	90	µg/m ³
Monitoring Point 1	23/4/18	TSP	121.08	51.42	90	µg/m ³
Monitoring Point 1	17/4/18	TSP	144.84	50.33	90	µg/m ³
Monitoring Point 1	11/4/18	TSP	79.1	48.04	90	µg/m ³
Monitoring Point 1	5/4/18	TSP	126.5	46.93	90	µg/m ³
March 2018						
Monitoring Point 1	30/03/18	TSP	50.30	44.91	90	µg/m ³
Monitoring Point 1	24/3/18	TSP	61.09	44.72	90	µg/m ³
Monitoring Point 1	21/3/18	TSP	11.68	43.79	90	µg/m ³
Monitoring Point 1	12/3/18	TSP	112.18	43.77	90	µg/m ³
Monitoring Point 1	6/3/18	TSP	80.22	43.5	90	µg/m ³
February 2018						

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Monitoring Point 1	28/2/18	TSP	32.38	42.97	90	µg/m ³
Monitoring Point 1	22/2/18	TSP	84.95	43.46	90	µg/m ³
Monitoring Point 1	19/2/18	TSP	89.4	44.2	90	µg/m ³
Monitoring Point 1	10/2/18	TSP	62.9	44.92	90	µg/m ³
Monitoring Point 1	4/2/18	TSP	54.57	44.96	90	µg/m ³
January 2018						
Monitoring Point 1	29/1/18	TSP	80.56	45.5	90	µg/m ³
Monitoring Point 1	23/1/18	TSP	172.05	45.16	90	µg/m ³
Monitoring Point 1	17/1/18	TSP	105.41	43.20	90	µg/m ³
Monitoring Point 1	11/1/18	TSP	67.29	42.98	90	µg/m ³
Monitoring Point 1	5/1/18	TSP	61.79	42.35	90	µg/m ³
December 2017						
Monitoring Point 1	30/12/17	TSP	37.34	41.89	90	µg/m ³
Monitoring Point 1	24/12/17	TSP	33.99	41.77	90	µg/m ³
Monitoring Point 1	18/12/17	TSP	70.11	42.26	90	µg/m ³
Monitoring Point 1	12/12/17	TSP	73.51	41.52	90	µg/m ³
Monitoring Point 1	6/12/17	TSP	7.08	41.52	90	µg/m ³
November 2017						
Monitoring Point 1	30/11/17	TSP	106.44	43.11	90	µg/m ³
Monitoring Point 1	24/11/17	TSP	51.84	42.53	90	µg/m ³
Monitoring Point 1	18/11/17	TSP	38.92	42.46	90	µg/m ³
Monitoring Point 1	12/11/18	TSP	54.43	42.71	90	µg/m ³
Monitoring Point 1	6/11/18	TSP	15	42.7	90	µg/m ³
October 2017						
Monitoring Point 1	31/10/17	TSP	21.95	43.04	90	µg/m ³
Monitoring Point 1	25/10/17	TSP	56.58	43.16	90	µg/m ³
Monitoring Point 1	19/10/17	TSP	46.25	42.53	90	µg/m ³
Monitoring Point 1	13/10/17	TSP	36.61	41.97	90	µg/m ³
Monitoring Point 1	7/10/17	TSP	44.45	41.55	90	µg/m ³
Monitoring Point 1	1/10/17	TSP	44.27	41.07	90	µg/m ³
September 2017						
Monitoring Point 1	25/9/17	TSP	27.29	40.54	90	µg/m ³
Monitoring Point 1	19/9/17	TSP	16.49	40.4	90	µg/m ³
Monitoring Point 1	13/9/17	TSP	26.54	40.83	90	µg/m ³
Monitoring Point 1	6/9/17	TSP	2.01	41.14	90	µg/m ³
Monitoring Point 1	1/9/17	TSP	46.01	41.52	90	µg/m ³
August 2017						
Monitoring Point 1	26/8/17	TSP	21.1	40.95	90	µg/m ³
Monitoring Point 1	20/8/17	TSP	50.93	40.78	90	µg/m ³
Monitoring Point 1	14/8/17	TSP	18.5	41	90	µg/m ³
Monitoring Point 1	8/8/17	TSP	2.65	40.87	90	µg/m ³
Monitoring Point 1	2/8/17	TSP	20.08	41.51	90	µg/m ³
July 2017						
Monitoring Point 1	27/7/17	TSP	21.95	41.26	90	µg/m ³
Monitoring Point 1	21/7/17	TSP	29.23	40.98	90	µg/m ³
Monitoring Point 1	15/7/17	TSP	4	40.63	90	µg/m ³
Monitoring Point 1	9/7/17	TSP	1.96	40.58	90	µg/m ³
Monitoring Point 1	3/7/17	TSP	35.64	40.70	90	µg/m ³
June 2017						
Monitoring Point 1	27/6/17	TSP	83.61	40.22	90	µg/m ³
Monitoring Point 1	21/6/17	TSP	20.64	39.07	90	µg/m ³
Monitoring Point 1	15/6/17	TSP	30.78	38.79	90	µg/m ³
Monitoring Point 1	9/6/17	TSP	2.79	38.72	90	µg/m ³

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Monitoring Point 1	3/6/17	TSP	57.96	38.7	90	µg/m ³
May 2017						
Monitoring Point 1	28/5/17	TSP	9.59	37.85	90	µg/m ³
Monitoring Point 1	22/5/17	TSP	30.22	37.81	90	µg/m ³
Monitoring Point 1	16/5/17	TSP	21.84	39.21	90	µg/m ³
Monitoring Point 1	10/5/17	TSP	138.25	39.13	90	µg/m ³
Monitoring Point 1	4/5/17	TSP	63.66	37.03	90	µg/m ³
April 2017						
Monitoring Point 1	28/4/17	TSP	15.58	36.22	90	µg/m ³
Monitoring Point 1	22/4/17	TSP	54.52	36.9	90	µg/m ³
Monitoring Point 1	16/4/17	TSP	5.18	36.72	90	µg/m ³
Monitoring Point 1	10/4/17	TSP	11.65	37.81	90	µg/m ³
Monitoring Point 1	4/4/17	TSP	3.21	38.88	90	µg/m ³
March 2017						
Monitoring Point 1	29/3/17	TSP	38.89	39.72	90	µg/m ³
Monitoring Point 1	23/3/17	TSP	3.96	40.26	90	µg/m ³
Monitoring Point 1	17/3/17	TSP	10.7	40.73	90	µg/m ³
Monitoring Point 1	11/3/17	TSP	95.51	41.04	90	µg/m ³
Monitoring Point 1	5/3/17	TSP	48.22	41.37	90	µg/m ³
February 2017						
Monitoring Point 1	27/2/17	TSP	62.22	41.97	90	µg/m ³
Monitoring Point 1	21/2/17	TSP	129.86	41.5	90	µg/m ³
Monitoring Point 1	15/2/17	TSP	133.48	40.19	90	µg/m ³
Monitoring Point 1	9/2/17	TSP	65.23	39.26	90	µg/m ³
Monitoring Point 1	3/2/17	TSP	87.53	39.72	90	µg/m ³
January 2017						
Monitoring Point 1	28/1/17	TSP	59.99	39.26	90	µg/m ³
Monitoring Point 1	22/1/17	TSP	52.3	39.11	90	µg/m ³
Monitoring Point 1	16/1/17	TSP	91.92	39	90	µg/m ³
Monitoring Point 1	10/1/17	TSP	29.07	37.82	90	µg/m ³
Monitoring Point 1	4/1/17	TSP	33.78	38.6	90	µg/m ³
December 2016						
Monitoring Point 1	29/12/16	TSP	29.63	38.79	90	µg/m ³
Monitoring Point 1	23/12/16	TSP	64.25	39.85	90	µg/m ³
Monitoring Point 1	17/12/16	TSP	24.69	40.58	90	µg/m ³
Monitoring Point 1	11/12/16	TSP	73.5	42.34	90	µg/m ³
Monitoring Point 1	5/12/16	TSP	104.36	43.1	90	µg/m ³
November 2016						
Monitoring Point 1	29/11/16	TSP	71.14	42.61	90	µg/m ³
Monitoring Point 1	23/11/16	TSP	47.44	42.23	90	µg/m ³
Monitoring Point 1	17/11/16	TSP	54.04	43.37	90	µg/m ³
Monitoring Point 1	11/11/16	TSP	53.96	43.31	90	µg/m ³
Monitoring Point 1	5/11/16	TSP	35.42	44.4	90	µg/m ³
October 2016						
Monitoring Point 1	30/10/16	TSP	29.77	44.46	90	µg/m ³
Monitoring Point 1	24/10/16	TSP	18.07	45.98	90	µg/m ³
Monitoring Point 1	18/10/16	TSP	11.73	46.78	90	µg/m ³
Monitoring Point 1	12/10/16	TSP	11.08	47.36	90	µg/m ³
Monitoring Point 1	6/10/16	TSP	15.33	47.63	90	µg/m ³
September 2016						
Monitoring Point 1	30/9/16	TSP	12.16	48.12	90	µg/m ³
Monitoring Point 1	24/9/16	TSP	18.25	48.89	90	µg/m ³
Monitoring Point 1	18/9/16	TSP	43.14	49.18	90	µg/m ³

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Monitoring Point 1	12/9/16	TSP	45.55	48.85	90	µg/m ³
Monitoring Point 1	6/9/16	TSP	24.82	48.48	90	µg/m ³
August 2016						
Monitoring Point 1	31/8/16	TSP	11.29	48.45	90	µg/m ³
Monitoring Point 1	25/8/16	TSP	9.81	48.48	90	µg/m ³
Monitoring Point 1	19/8/16	TSP	65.49	48.37	90	µg/m ³
Monitoring Point 1	13/8/16	TSP	10.2	48.26	90	µg/m ³
Monitoring Point 1	7/8/16	TSP	42.03	48.17	90	µg/m ³
Monitoring Point 1	1/8/16	TSP	4.88	47.56	90	µg/m ³
July 2016						
Monitoring Point 1	26/7/16	TSP	4.53	47.67	90	µg/m ³
Monitoring Point 1	20/7/16	TSP	8.15	47.72	90	µg/m ³
Monitoring Point 1	14/7/16	TSP	0.93	47.81	90	µg/m ³
Monitoring Point 1	8/7/16	TSP	9.31	48.04	90	µg/m ³
Monitoring Point 1	2/7/16	TSP	6.2	49.93	90	µg/m ³
June 2016						
Monitoring Point 1	26/6/16	TSP	13.55	49.91	90	µg/m ³
Monitoring Point 1	20/6/16	TSP	3.38	50.13	90	µg/m ³
Monitoring Point 1	14/6/16	TSP	26.58	50.15	90	µg/m ³
Monitoring Point 1	8/6/16	TSP	1.39	52.44	90	µg/m ³
Monitoring Point 1	2/6/16	TSP	6.46	52.54	90	µg/m ³
May 2016						
Monitoring Point 1	27/5/16	TSP	6.76	52.58	90	µg/m ³
Monitoring Point 1	21/5/16	TSP	115.99	52.76	90	µg/m ³
Monitoring Point 1	15/5/16	TSP	17.01	51.01	90	µg/m ³
Monitoring Point 1	9/5/16	TSP	10.38	51.12	90	µg/m ³
Monitoring Point 1	3/5/16	TSP	13.9	51.23	90	µg/m ³
April 2016						
Monitoring Point 1	29/4/16	TSP	57.1	51.14	90	µg/m ³
Monitoring Point 1	21/4/16	TSP	43.81	50.31	90	µg/m ³
Monitoring Point 1	15/4/16	TSP	71.37	49.66	90	µg/m ³
Monitoring Point 1	9/4/16	TSP	77.16	49.04	90	µg/m ³
Monitoring Point 1	3/4/16	TSP	54.12	48.25	90	µg/m ³
March 2016						
Monitoring Point 1	28/3/16	TSP	72.1	47.8	90	µg/m ³
Monitoring Point 1	22/3/16	TSP	32.4	47.63	90	µg/m ³
Monitoring Point 1	16/3/16	TSP	29.6	47.93	90	µg/m ³
Monitoring Point 1	10/3/16	TSP	115.53	48.65	90	µg/m ³
Monitoring Point 1	4/3/16	TSP	85.2	47.98	90	µg/m ³
February 2016						
Monitoring Point 1	27/2/16	TSP	33.44	47.76	90	µg/m ³
Monitoring Point 1	21/2/16	TSP	50.04	47.81	90	µg/m ³
Monitoring Point 1	15/2/16	TSP	76.75	47.99	90	µg/m ³
Monitoring Point 1	9/2/16	TSP	93.03	47.81	90	µg/m ³
Monitoring Point 1	3/2/16	TSP	59.44	47.38	90	µg/m ³
January 2016						
Monitoring Point 1	28/1/16	TSP	51.24	47.07	90	µg/m ³
Monitoring Point 1	22/1/16	TSP	45.26	46.55	90	µg/m ³
Monitoring Point 1	16/1/16	TSP	19.87	46.56	90	µg/m ³
Monitoring Point 1	10/1/16	TSP	76.68	46.96	90	µg/m ³
Monitoring Point 1	4/1/16	TSP	45.33	46.38	90	µg/m ³
December 2015						
Monitoring Point 1	29/12/15	TSP	94.46	46.6	90	µg/m ³

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Monitoring Point 1	23/12/15	TSP	108.57	45.39	90	µg/m ³
Monitoring Point 1	17/12/15	TSP	132.01	44.45	90	µg/m ³
Monitoring Point 1	11/12/15	TSP	120.32	43.99	90	µg/m ³
Monitoring Point 1	5/12/15	TSP	74.44	42.24	90	µg/m ³
November 2015						
Monitoring Point 1	29/11/15	TSP	47.73	41.41	90	µg/m ³
Monitoring Point 1	23/11/15	TSP	122.91	41.45	90	µg/m ³
Monitoring Point 1	17/11/15	TSP	44.6	40.46	90	µg/m ³
Monitoring Point 1	11/11/15	TSP	120.58	40.15	90	µg/m ³
Monitoring Point 1	5/11/15	TSP	38.57	39.32	90	µg/m ³
October 2015						
Monitoring Point 1	30/10/15	TSP	122.73	40.48	90	µg/m ³
Monitoring Point 1	24/10/15	TSP	67.06	38.89	90	µg/m ³
Monitoring Point 1	18/10/15	TSP	47.17	38.85	90	µg/m ³
Monitoring Point 1	12/10/15	TSP	27.05	38.69	90	µg/m ³
Monitoring Point 1	6/10/15	TSP	45.75	38.74	90	µg/m ³
September 2015						
Monitoring Point 1	30/9/15	TSP	58.64	38.4	90	µg/m ³
Monitoring Point 1	24/9/15	TSP	36.25	38.31	90	µg/m ³
Monitoring Point 1	18/9/15	TSP	22.87	38.63	90	µg/m ³
Monitoring Point 1	12/9/15	TSP	22.99	38.39	90	µg/m ³
Monitoring Point 1	6/9/15	TSP	23.05	38.29	90	µg/m ³
August 2015						
Monitoring Point 1	31/8/15	TSP	13.26	38.1	90	µg/m ³
Monitoring Point 1	25/8/15	TSP	3.02	38.51	90	µg/m ³
Monitoring Point 1	19/8/15	TSP	58.67	38.89	90	µg/m ³
Monitoring Point 1	13/8/15	TSP	4.73	38.27	90	µg/m ³
Monitoring Point 1	7/8/15	TSP	4.98	39.36	90	µg/m ³
Monitoring Point 1	1/8/15	TSP	11.69	39.69	90	µg/m ³
July 2015						
Monitoring Point 1	26/7/15	TSP	7.24	39.97	90	µg/m ³
Monitoring Point 1	20/7/15	TSP	13.48	40.23	90	µg/m ³
Monitoring Point 1	14/7/15	TSP	15.47	40.63	90	µg/m ³
Monitoring Point 1	8/7/15	TSP	124.63	40.68	90	µg/m ³
Monitoring Point 2	2/7/15	TSP	4.89	38.66	90	µg/m ³
June 2015						
Monitoring Point 1	26/6/15	TSP	26.76	38.66	90	µg/m ³
Monitoring Point 1	20/6/15	TSP	4.57	38.34	90	µg/m ³
Monitoring Point 1	14/6/15	TSP	166.17	38.37	90	µg/m ³
Monitoring Point 1	8/6/15	TSP	7.93	35.95	90	µg/m ³
Monitoring Point 1	2/6/15	TSP	8.88	36.13	90	µg/m ³
May 2015						
Monitoring Point 1	27/5/15	TSP	17.38	36.18	90	µg/m ³
Monitoring Point 1	21/5/15	TSP	9.13	36.65	90	µg/m ³
Monitoring Point 1	15/5/15	TSP	23.73	36.96	90	µg/m ³
Monitoring Point 1	9/5/15	TSP	17.29	37.01	90	µg/m ³
Monitoring Point 1	3/5/15	TSP	8.63	37.65	90	µg/m ³
April 2015						
Monitoring Point 1	27/4/15	TSP	6.27	38.05	90	µg/m ³
Monitoring Point 1	21/4/15	TSP	4.23	38.92	90	µg/m ³
Monitoring Point 1	15/4/15	TSP	33.39	39.42	90	µg/m ³
Monitoring Point 1	9/4/15	TSP	29.35	39.62	90	µg/m ³
Monitoring Point 1	3/4/15	TSP	26.25	39.79	90	µg/m ³

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March 2015						
Monitoring Point 1	28/3/15	TSP	61.75	39.79	90	µg/m ³
Monitoring Point 1	22/3/15	TSP	50.67	39.05	90	µg/m ³
Monitoring Point 1	16/3/15	TSP	73.64	38.86	90	µg/m ³
Monitoring Point 1	10/3/15	TSP	74.9	38.1	90	µg/m ³
Monitoring Point 1	4/3/15	TSP	71.58	37.56	90	µg/m ³
February 2015						
Monitoring Point 1	26/2/15	TSP	36.44	37.08	90	µg/m ³
Monitoring Point 1	20/2/15	TSP	61.3	37.19	90	µg/m ³
Monitoring Point 1	14/2/15	TSP	65.34	36.79	90	µg/m ³
Monitoring Point 1	8/2/15	TSP	66.82	37.15	90	µg/m ³
Monitoring Point 1	2/2/15	TSP	40.95	37.9	90	µg/m ³
January 2015						
Monitoring Point 1	27/1/15	TSP	18.98	38.99	90	µg/m ³
Monitoring Point 1	21/1/15	TSP	45.9	39.19	90	µg/m ³
Monitoring Point 1	15/1/15	TSP	44.78	39.54	90	µg/m ³
Monitoring Point 1	9/1/15	TSP	41.31	39.97	90	µg/m ³
Monitoring Point 1	3/1/15	TSP	58.28	40.27	90	µg/m ³

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1.4 PM2.5

PM2.5 ($\mu\text{g}/\text{m}^3$) results for the month of January 2021

Sample Period: January 2021
Date Received: 4/3/2021
Date Published: 20/3/2021
Licensee: Peppertree Quarry
Licensee
Address: 843 Marulan south Road, Marulan NSW 2579
EPL No: 13088

Qualifications related to Dust:

* Air Emissions Monitoring - High Volume Air Sampler

Sampling Frequency is collection of samples over a 24hr period, every 6 days. Protocols are contained in the Air Quality Management Plan found on this website.

Twenty-Four (24) hour criteria is $25 \mu\text{g}/\text{m}^3$.

The Annual average criteria is $8 \mu\text{g}/\text{m}^3$.

The PM2.5 HVAS commenced operation in the 6th February 2021.

Results						
Location	Date Sampled	Pollutant	Measurement	Rolling Annual Average	Limit	Unit
Monitoring Point 3	6/2/2021	PM2.5	8	8	8	$\mu\text{g}/\text{m}^3$

The PM25 data indicates that during the sampling period the rolling annual average data range was $8 \mu\text{g}/\text{m}^3$ based on a single sample. A single Twenty-four-hour result was $8 \mu\text{g}/\text{m}^3$.

The running annual average is below the criteria for the sample periods.

1.5 Correction Log

Details of corrections made to published data due to incorrect or misleading data

Date of data (Sample date)	Old Published data	Correct updated data	Reasons for update / correction	Update person	Date corrected data published

Peppertree Quarry Monitoring Locations.

Deposited Dust, TSP and PM10 Monitoring Locations

