

Appendix E

Environmental Monitoring Data for Air, Noise and Water Quality

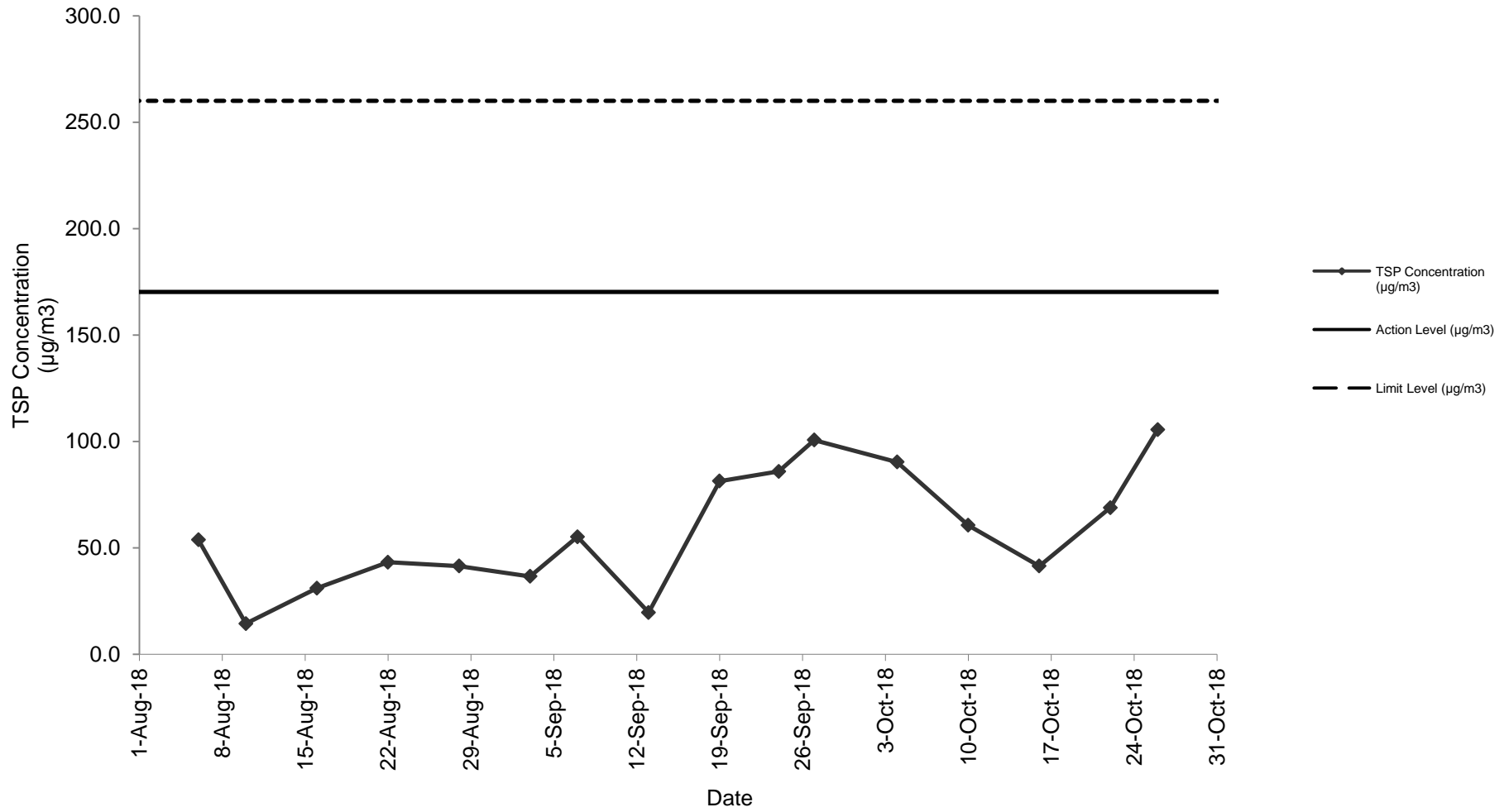
Appendix E
Air Quality Monitoring Results and their Graphical Presentation

24-Hour TSP Monitoring Result at Station: SR77

Sampling Date	Weather Condition	Paper No.	Wt. of paper (g)			Elapse Time			Flow Rate (CFM)			Flow Rate (m ³ /min)			Total Volume (m ³)	TSP Concentration (µg/m ³)	Action Level (µg/m ³)	Limit Level (µg/m ³)	Wind speed m/s	Wind direction
			Initial Wt.	Final Wt.	Wt. of Dust	Initial	Final	Sampling Hour	Initial	Final	Avg Flow Rate	Initial	Final	Avg Flow Rate						
6-Aug-18	Cloudy	C160	2.8146	2.9265	0.1119	8685.67	8709.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	53.8	170.3	260.0	<5	N
10-Aug-18	Rainy	C162	2.8018	2.8318	0.0300	8712.67	8736.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	14.4	170.3	260.0	<5	N
16-Aug-18	Rainy	C164	2.8286	2.8932	0.0646	8739.67	8763.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	31.1	170.3	260.0	<5	N
22-Aug-18	Cloudy	C166	2.8124	2.9024	0.0900	8766.67	8790.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	43.3	170.3	260.0	<5	N
28-Aug-18	Cloudy	C168	2.8149	2.9012	0.0863	8793.67	8817.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	41.5	170.3	260.0	<5	N
3-Sep-18	Cloudy	C170	2.8293	2.9054	0.0761	8820.67	8844.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	36.6	170.3	260.0	<5	N
7-Sep-18	Fine	C172	2.8223	2.9371	0.1148	8847.67	8871.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	55.2	170.3	260.0	<5	N
13-Sep-18	Fine	C174	2.6738	2.7147	0.0409	8874.67	8898.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	19.7	170.3	260.0	<5	N
19-Sep-18	Cloudy	C176	2.6787	2.8479	0.1692	8901.67	8925.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	81.4	170.3	260.0	<5	N
24-Sep-18	Fine	C178	2.6814	2.8601	0.1787	8928.67	8952.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	85.9	170.3	260.0	<5	N
27-Sep-18	Fine	C180	2.6498	2.8591	0.2093	8955.67	8979.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	100.6	170.3	260.0	<5	N
4-Oct-18	Sunny	C182	2.6644	2.8523	0.1879	8982.67	9006.67	24.00	51.0	51.0	51.0	1.44	1.44	1.44	2079.59	90.4	170.3	260.0	<5	N
10-Oct-18	Cloudy	C184	2.6874	2.8135	0.1261	9009.67	9033.67	24.00	51.0	51.0	51.0	1.44	1.44	1.44	2079.59	60.6	170.3	260.0	<5	N
16-Oct-18	Cloudy	C186	2.6781	2.7644	0.0863	9036.67	9060.67	24.00	51.0	51.0	51.0	1.44	1.44	1.44	2079.59	41.5	170.3	260.0	<5	N
22-Oct-18	Cloudy	C188	2.6392	2.7825	0.1433	9063.67	9087.67	24.00	51.0	51.0	51.0	1.44	1.44	1.44	2079.59	68.9	170.3	260.0	<5	N
26-Oct-18	Sunny	C190	2.6519	2.8714	0.2195	9090.67	9114.67	24.00	51.0	51.0	51.0	1.44	1.44	1.44	2079.59	105.5	170.3	260.0	<5	N

Summary For the Reporting Quarter (Aug 2018 - Oct 2018)	
Average	58.2
Minimum	14.4
Maximum	105.5

24-Hour TSP Monitoring Result at Station: SR77 (August 2018 - October 2018)



Appendix E

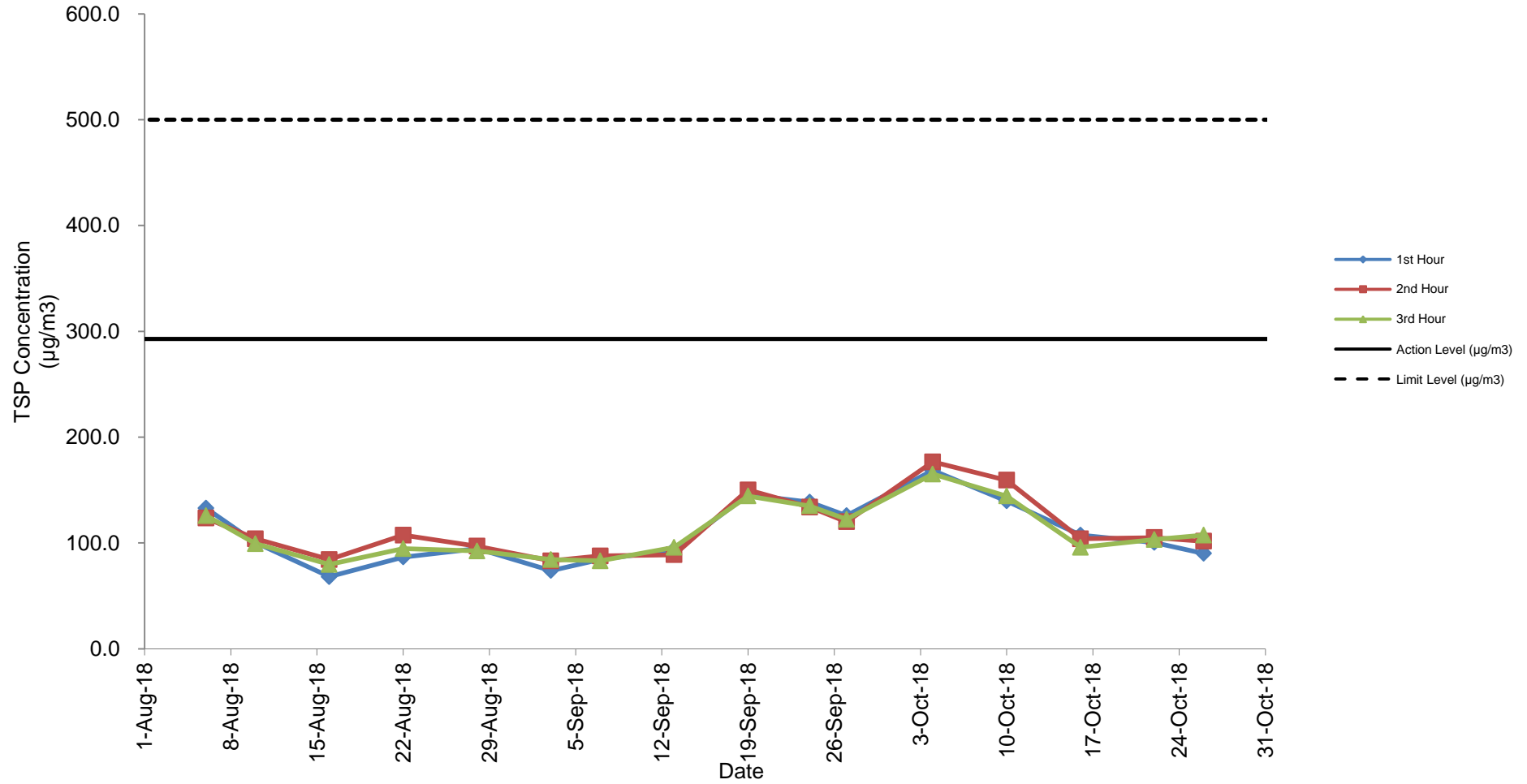
Air Quality Monitoring Results and their Graphical Presentation

1-Hour TSP Monitoring Result at Station: SR77

Date	Weather Condition	Time			Conc.(µg/m ³)			Action Level (µg/m ³)	Limit Level (µg/m ³)
					1 st Hour	2 nd Hour	3 rd Hour		
6-Aug-18	Cloudy	9:00		12:08	132.7	123.5	125.8	292.7	500.0
10-Aug-18	Rainy	9:00		12:08	100.4	103.9	99.3	292.7	500.0
16-Aug-18	Rainy	9:00		12:11	68.1	84.2	79.6	292.7	500.0
22-Aug-18	Cloudy	9:00		12:08	86.6	107.3	94.6	292.7	500.0
28-Aug-18	Cloudy	9:00		12:11	94.6	96.9	92.3	292.7	500.0
2018-09-03	Cloudy	9:00	-	12:08	73.9	83.1	84.2	292.7	500.0
2018-09-07	Fine	9:00	-	12:08	84.2	87.7	83.1	292.7	500.0
2018-09-13	Fine	9:00	-	12:08	93.5	88.9	95.8	292.7	500.0
2018-09-19	Cloudy	9:00	-	12:07	145.4	150.0	144.3	292.7	500.0
2018-09-24	Fine	9:00	-	12:08	138.5	133.9	135.0	292.7	500.0
2018-09-27	Fine	9:00	-	12:08	125.8	120.0	122.3	292.7	500.0
4-Oct-18	Sunny	9:00	-	12:08	168.5	176.6	165.0	292.7	500.0
10-Oct-18	Cloudy	9:00	-	12:07	139.6	159.3	144.3	292.7	500.0
16-Oct-18	Cloudy	9:00	-	12:09	107.3	103.9	95.8	292.7	500.0
22-Oct-18	Cloudy	9:00	-	12:07	100.4	105.0	103.2	292.7	500.0
26-Oct-18	Sunny	9:00	-	12:08	90.0	101.6	107.3	292.7	500.0

Summary For the Reporting Quarter (Aug 2018 - Oct 2018)	
Average	111.4
Minimum	68.1
Maximum	176.6

1-Hour TSP Monitoring Result at station: SR77 (August 2018 - October 2018)



Noise Monitoring Result at SR77

Date	Weather Condition	Start Time	End Time	Measured Noise Level (dB(A))*			Baseline Corrected Level, dB(A)**	Baseline Noise Level (dB(A)), Leq(30min)	Limit Level dB(A)	Exceedance (Y / N)
				L10(30min)	L90(30min)	Leq(30min)				
2018-08-06	Cloudy	11:15	11:45	80.5	60.0	72.0	-	67.8	75.0	N
2018-08-16	Rainy	16:00	16:30	86.0	60.5	73.0	-	67.8	75.0	N
2018-08-22	Cloudy	11:30	12:00	82.0	64.0	72.0	-	67.8	75.0	N
2018-08-28	Cloudy	11:30	12:00	77.5	64.5	69.5	-	67.8	75.0	N
2018-09-03	Cloudy	11:15	11:45	75.0	66.5	70.5	-	67.8	75.0	N
2018-09-13	Fine	11:15	11:45	78.5	66.0	73.5	-	67.8	75.0	N
2018-09-19	Cloudy	11:15	11:45	75.5	74.0	74.5	-	67.8	75.0	N
2018-09-24	Fine	11:30	12:00	82.0	64.5	74.0	-	67.8	75.0	N
2018-10-04	Sunny	11:15	11:45	72.5	70.0	71.0	-	67.8	75.0	N
2018-10-10	Cloudy	11:15	11:45	79.0	70.5	73.5	-	67.8	75.0	N
2018-10-16	Cloudy	11:15	11:45	80.5	65.5	73.0	-	67.8	75.0	N
2018-10-22	Cloudy	11:30	12:00	77.0	66.0	70.5	-	67.8	75.0	N

Summary For the Reporting Quarter (Aug 2018 - Oct 2018)	
Average	72.3
Minimum	69.5
Maximum	74.5

**Noise monitoring result: SR77
(August 2018 - October 2018)**

