

Appendix E

Environmental Monitoring Data for

Air, Noise and Water Quality

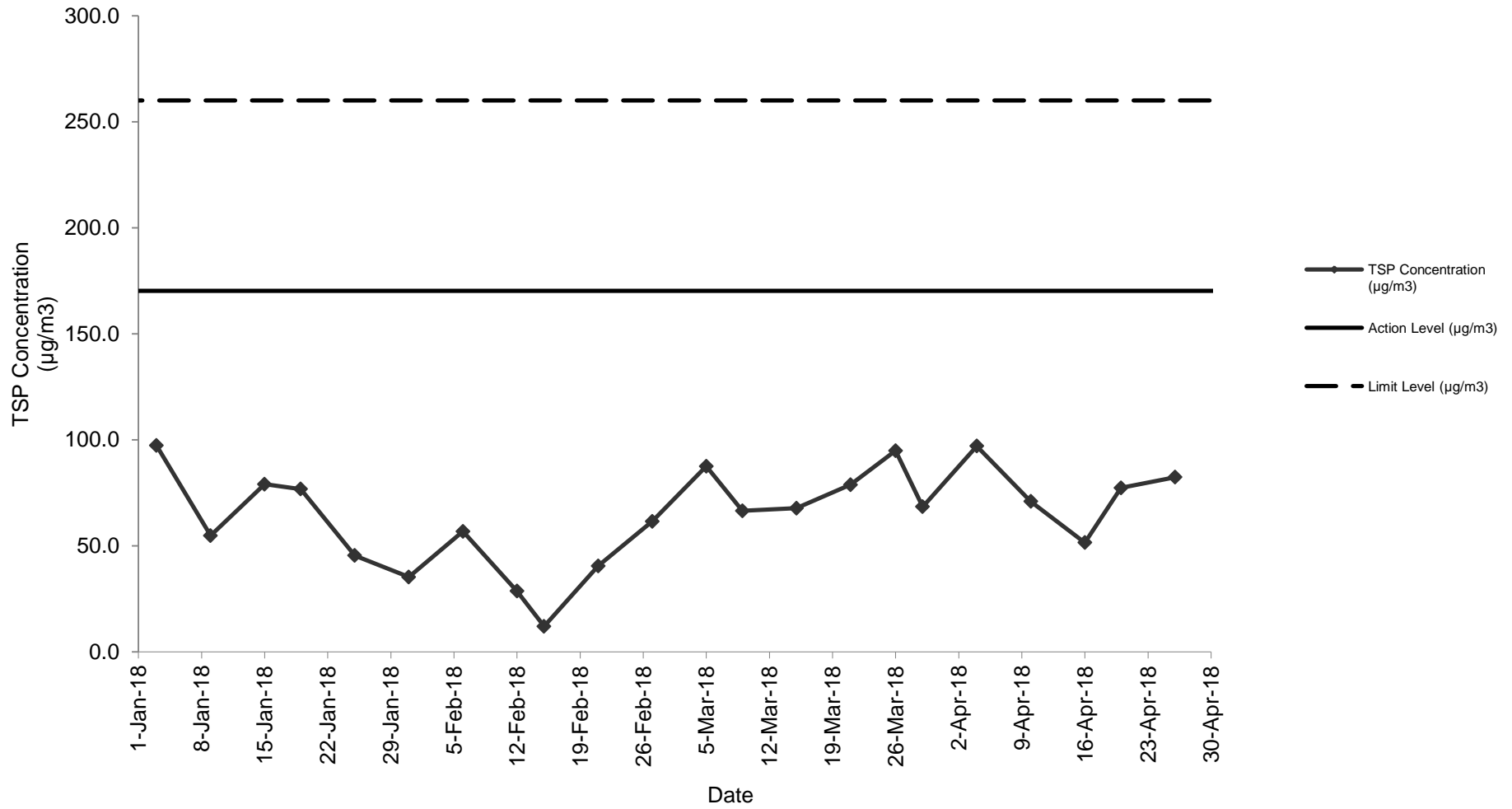
Appendix E
Air Quality Monitoring Results and their Graphical Presentation

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						
3-Jan-18	Fine	CC128	2.8619	3.0643	0.2024	7630.67	7654.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	97.3	170.3	260.0	<5	N
9-Jan-18	Cloudy	CC130	2.8888	3.0028	0.1140	7657.67	7681.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	54.8	170.3	260.0	<5	N
15-Jan-18	Sunny	C484	2.8237	2.9882	0.1645	7684.67	7708.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	79.1	170.3	260.0	<5	N
19-Jan-18	Fine	C486	2.8015	2.9612	0.1597	7711.67	7735.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	76.8	170.3	260.0	<5	N
25-Jan-18	Fine	C488	2.8839	2.9784	0.0945	7738.67	7762.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	45.4	170.3	260.0	<6	N
31-Jan-18	Cloudy	C490	2.8736	2.9470	0.0734	7765.67	7789.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	35.3	170.3	260.0	<5	N
6-Feb-18	Sunny	C492	2.8634	2.9816	0.1182	7792.67	7816.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	56.8	170.3	260.0	<5	N
12-Feb-18	Sunny	C494	2.8701	2.9297	0.0596	7819.67	7843.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	28.7	170.3	260.0	<5	N
15-Feb-18	Fine	C496	2.7852	2.8103	0.0251	7846.67	7870.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	12.1	170.3	260.0	<5	N
21-Feb-18	Cloudy	C498	2.8097	2.8940	0.0843	7873.67	7897.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	40.5	170.3	260.0	<5	N
27-Feb-18	Sunny	C500	2.8026	2.9306	0.1280	7901.67	7925.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	61.6	170.3	260.0	<6	N
5-Mar-18	Sunny	C502	2.8215	3.0035	0.1820	7928.67	7952.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	87.5	170.3	260.0	<5	N
9-Mar-18	Sunny	C504	2.8085	2.9468	0.1383	7955.67	7979.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	66.5	170.3	260.0	<5	N
15-Mar-18	Cloudy	C506	2.8086	2.9495	0.1409	7982.67	8006.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	67.8	170.3	260.0	<5	N
21-Mar-18	Sunny	C508	2.8157	2.9796	0.1639	8009.67	8033.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	78.8	170.3	260.0	<5	N
26-Mar-18	Cloudy	C510	2.8036	3.0009	0.1973	8036.67	8060.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	94.9	170.3	260.0	<5	N
29-Mar-18	Sunny	C512	2.8105	2.9528	0.1423	8063.67	8087.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	68.4	170.3	260.0	<5	N
4-Apr-18	Fine	C116	2.7865	2.9884	0.2019	8090.67	8114.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	97.1	170.3	260.0	<5	N
10-Apr-18	Fine	C118	2.8056	2.9531	0.1475	8117.67	8141.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	70.9	170.3	260.0	<5	N
16-Apr-18	Cloudy	C120	2.8095	2.9167	0.1072	8144.67	8168.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	51.5	170.3	260.0	<5	N
20-Apr-18	Fine	C122	2.8115	2.9723	0.1608	8171.67	8195.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	77.3	170.3	260.0	<5	N
26-Apr-18	Cloudy	C124	2.8095	2.9808	0.1713	8198.67	8222.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	82.4	170.3	260.0	<5	N

Summary For the Reporting Quarter (February 2018 - April 2018)	
Average	65.2
Minimum	12.1
Maximum	97.1

24-Hour TSP Monitoring Result at Station: SR77 (January 2018 - April 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		
3-Jan-18	Fine	9:00 - 12:08	137.3	143.1	133.9	292.7	500.0
9-Jan-18	Cloudy	9:00 - 12:08	107.3	109.6	103.9	292.7	500.0
15-Jan-18	Sunny	9:00 - 12:08	136.2	128.1	132.7	292.7	500.0
19-Jan-18	Fine	9:00 - 12:08	101.6	107.3	103.9	292.7	500.0
25-Jan-18	Fine	9:00 - 12:08	136.2	132.7	124.6	292.7	500.0
31-Jan-18	Cloudy	9:00 - 12:08	84.2	101.6	95.8	292.7	500.0
6-Feb-18	Sunny	9:00 - 12:08	140.8	137.3	124.6	292.7	500.0
12-Feb-18	Sunny	9:00 - 12:08	130.4	124.6	121.2	292.7	500.0
15-Feb-18	Fine	9:00 - 12:08	91.2	93.5	102.7	292.7	500.0
21-Feb-18	Cloudy	9:00 - 12:09	95.8	107.3	91.2	292.7	500.0
27-Feb-18	Sunny	9:00 - 12:09	139.6	118.9	136.2	292.7	500.0
5-Mar-18	Sunny	9:00 - 12:08	160.4	178.9	155.8	292.7	500.0
9-Mar-18	Sunny	9:00 - 12:08	126.9	121.2	128.1	292.7	500.0
15-Mar-18	Cloudy	9:00 - 12:09	158.1	160.4	144.3	292.7	500.0
21-Mar-18	Sunny	9:00 - 12:08	177.7	172.0	170.8	292.7	500.0
26-Mar-18	Cloudy	9:00 - 12:08	190.4	196.2	193.9	292.7	500.0
29-Mar-18	Sunny	9:00 - 12:08	118.9	123.5	122.3	292.7	500.0
4-Apr-18	Fine	9:00 - 12:08	101.6	95.8	99.3	292.7	500.0
10-Apr-18	Fine	9:00 - 12:09	197.3	195.0	189.3	292.7	500.0
16-Apr-18	Cloudy	9:00 - 12:08	96.9	103.9	106.2	292.7	500.0
20-Apr-18	Fine	9:00 - 12:09	139.6	140.8	135.0	292.7	500.0
26-Apr-18	Cloudy	9:00 - 12:08	153.5	158.1	152.3	292.7	500.0

Summary For the Reporting Quarter (February 2018 - April 2018)	
Average	137.9
Minimum	91.2
Maximum	197.3

1-Hour TSP Monitoring Result at station: SR77 (January 2018 - April 2018)

