

Appendix E Environmental Monitoring Data for Air, Noise and Water Quality

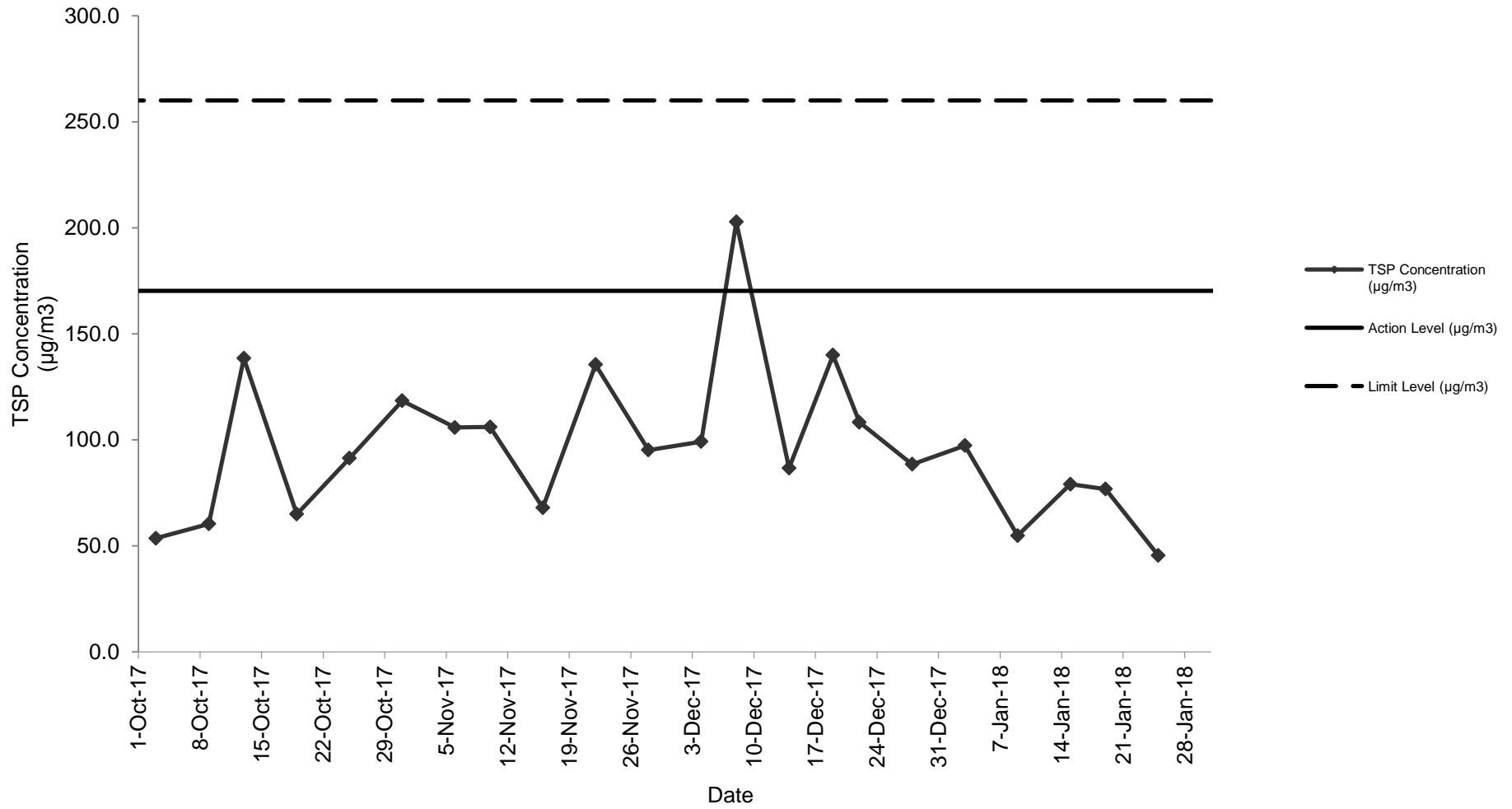
Appendix E
Air Quality Monitoring Results and their Graphical Presentation

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-Oct-17	Sunny	CC94	2.8702	2.9816	0.1114	7168.67	7192.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	53.6	170.3	260.0	<5	N
9-Oct-17	Cloudy	CC96	2.8471	2.9727	0.1256	7195.67	7219.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	60.4	170.3	260.0	<5	N
13-Oct-17	Sunny	CC98	2.8352	3.1231	0.2879	7222.67	7246.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	138.4	170.3	260.0	<5	N
19-Oct-17	Fine	CC100	2.8611	3.0131	0.1520	7249.67	7276.67	27.00	51	51	51.0	1.44	1.44	1.44	2339.54	65.0	170.3	260.0	<5	N
25-Oct-17	Sunny	CC102	2.8584	3.0483	0.1899	7279.67	7303.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	91.3	170.3	260.0	<5	N
31-Oct-17	Sunny	CC104	2.8589	3.1052	0.2463	7306.67	7330.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	118.4	170.3	260.0	<5	N
6-Nov-17	Fine	CC106	2.8433	3.0634	0.2201	7333.67	7357.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	105.8	170.3	260.0	<5	N
10-Nov-17	Sunny	CC108	2.8639	3.0845	0.2206	7360.67	7384.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	106.1	170.3	260.0	<5	N
16-Nov-17	Cloudy	CC110	2.8717	3.0131	0.1414	7387.67	7411.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	68.0	170.3	260.0	<5	N
22-Nov-17	Sunny	CC112	2.8452	3.1269	0.2817	7414.67	7438.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	135.5	170.3	260.0	<5	N
28-Nov-17	Cloudy	CC114	2.8671	3.0651	0.1980	7441.67	7465.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	95.2	170.3	260.0	<5	N
4-Dec-17	Sunny	CC116	2.8511	3.0573	0.2062	7468.67	7492.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	99.2	170.3	260.0	<5	N
8-Dec-17	Fine	CC118	2.8344	3.2560	0.4216	7495.67	7519.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	202.7	170.3	260.0	<5	N
14-Dec-17	Fine	CC120	2.8357	3.0159	0.1802	7522.67	7546.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	86.7	170.3	260.0	<5	N
19-Dec-17	Sunny	CC122	2.8565	3.1476	0.2911	7549.67	7573.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	140.0	170.3	260.0	<5	N
22-Dec-17	Fine	CC124	2.8523	3.0776	0.2253	7576.67	7600.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	108.3	170.3	260.0	<6	N
28-Dec-17	Cloudy	CC126	2.8578	3.0418	0.1840	7603.67	7627.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	88.5	170.3	260.0	<5	N
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

Summary For the Reporting Quarter (November 2017 - January 2018)	
Average	95.6
Minimum	35.3
Maximum	202.7

24-Hour TSP Monitoring Result at Station: SR77 (October 2017 - January 2018)



Appendix E

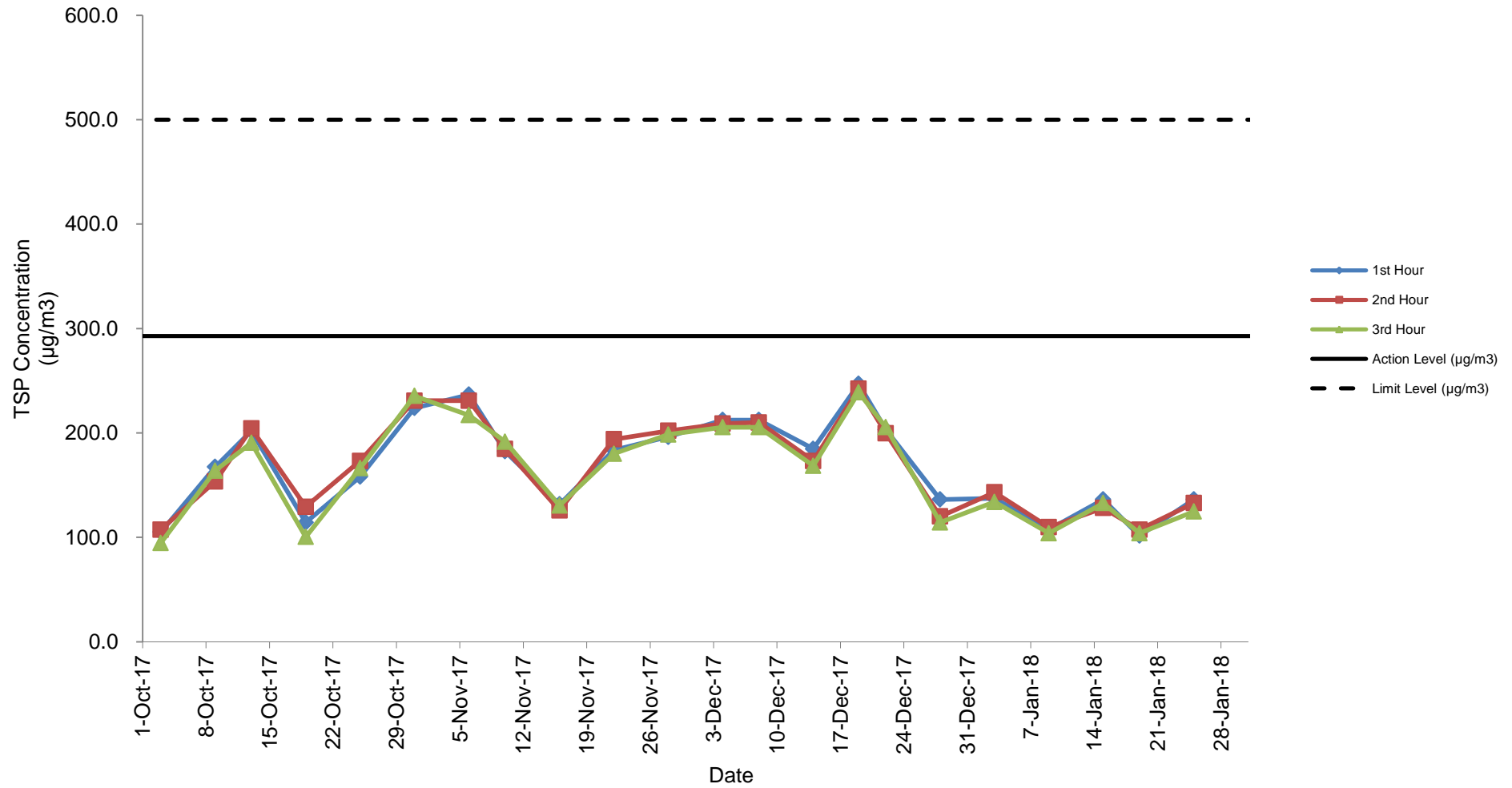
Air Quality Monitoring Results and their Graphical Presentation

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-Oct-17	Sunny	9:00 - 12:07	105.0	107.3	94.6	292.7	500.0
9-Oct-17	Cloudy	9:00 - 12:06	167.3	153.5	163.9	292.7	500.0
13-Oct-17	Sunny	9:00 - 12:08	202.0	204.3	190.4	292.7	500.0
19-Oct-17	Fine	9:00 - 12:08	114.3	129.3	100.4	292.7	500.0
25-Oct-17	Sunny	9:00 - 12:08	158.1	173.1	166.2	292.7	500.0
31-Oct-17	Sunny	9:00 - 12:08	223.9	230.8	235.4	292.7	500.0
6-Nov-17	Fine	9:00 - 12:07	236.6	230.8	217.0	292.7	500.0
10-Nov-17	Sunny	9:00 - 12:07	182.3	184.7	191.6	292.7	500.0
16-Nov-17	Cloudy	9:00 - 12:08	131.6	125.8	130.4	292.7	500.0
22-Nov-17	Sunny	9:00 - 12:07	183.5	193.9	180.0	292.7	500.0
28-Nov-17	Cloudy	9:00 - 12:07	196.2	202.0	198.5	292.7	500.0
4-Dec-17	Sunny	9:00 - 12:08	212.3	208.9	205.4	292.7	500.0
8-Dec-17	Fine	9:00 - 12:07	212.3	210.0	205.4	292.7	500.0
14-Dec-17	Fine	9:00 - 12:07	184.7	173.1	168.5	292.7	500.0
19-Dec-17	Sunny	9:00 - 12:07	247.0	242.4	238.9	292.7	500.0
22-Dec-17	Fine	9:00 - 12:07	203.1	199.7	205.4	292.7	500.0
28-Dec-17	Cloudy	9:00 - 12:08	136.2	120.0	114.3	292.7	500.0
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

Summary For the Reporting Quarter (November 2017 - January 2018)	
Average	164.6
Minimum	84.2
Maximum	247.0

1-Hour TSP Monitoring Result at station: SR77 (October 2017 - January 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)				
2017/10/03	Sunny	11:30	12:00	74.5	61.5	70.5	-	67.8	75.0	N
2017/10/09	Cloudy	11:30	12:00	89.0	64.5	73.0	-	67.8	75.0	N
2017/10/19	Fine	11:30	12:00	93.5	62.0	73.5	-	67.8	75.0	N
2017/10/25	Sunny	11:30	12:00	92.5	59.5	73.5	-	67.8	75.0	N
2017/10/31	Sunny	11:30	12:00	93.0	59.0	74.0	-	67.8	75.0	N
2017/11/06	Fine	11:00	11:30	91.0	62.5	70.0	-	67.8	75.0	N
2017/11/16	Cloudy	11:00	11:30	93.5	56.5	73.5	-	67.8	75.0	N
2017/11/22	Sunny	11:00	11:30	91.5	68.5	74.0	-	67.8	75.0	N
2017/11/28	Cloudy	11:15	11:45	87.5	64.5	71.5	-	67.8	75.0	N
2017/12/04	Sunny	11:15	11:45	92.0	62.0	69.5	-	67.8	75.0	N
2017/12/14	Fine	11:30	12:00	96.0	65.0	73.0	-	67.8	75.0	N
2017/12/19	Sunny	11:30	12:00	92.5	61.5	73.5	-	67.8	75.0	N
2017/12/28	Cloudy	11:30	12:00	94.5	61.5	72.5	-	67.8	75.0	N
2018/01/03	Fine	11:00	11:30	97.0	60.0	74.5	-	67.8	75.0	N
2018/01/09	Cloudy	11:30	12:00	91.0	63.5	74.0	-	67.8	75.0	N
2018/01/15	Sunny	11:30	12:00	93.0	61.0	73.5	-	67.8	75.0	N
2018/01/25	Cloudy	11:30	12:00	94.5	61.5	72.5	-	67.8	75.0	N
2018/01/31	Cloudy	11:30	12:00	90.0	65.0	74.0	-	67.8	75.0	N

Summary For the Reporting Quarter (November 2017 - January 2018)	
Average	72.8
Minimum	69.5
Maximum	74.5

**Noise monitoring result: SR77
(October 2017 - January 2018)**

