

Appendix F Air Quality Monitoring Results and their Graphical Presentation

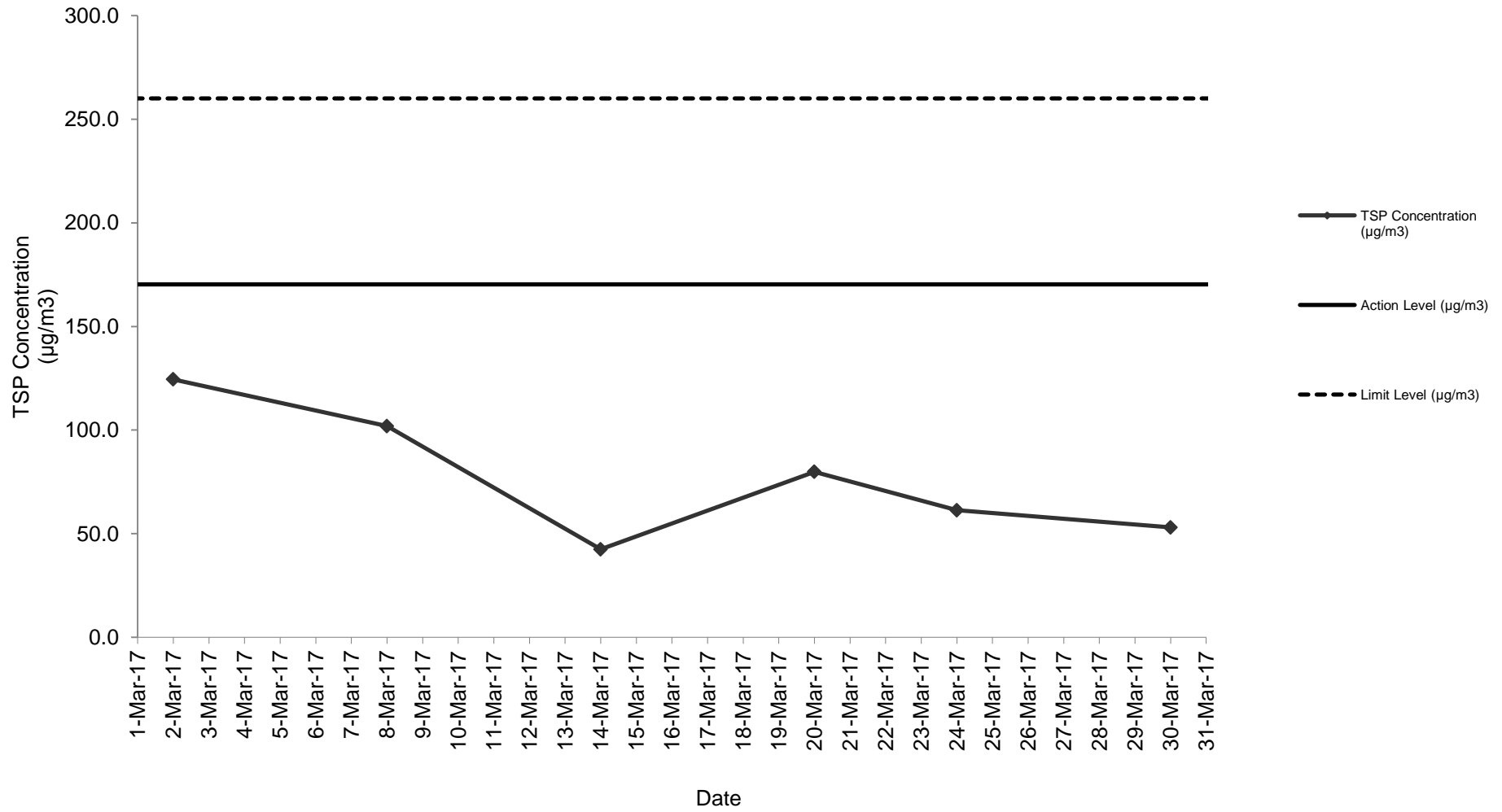
Appendix F
Air Quality Monitoring Results and their Graphical Presentation

24-Hour TSP Monitoring Result at Station: SR77

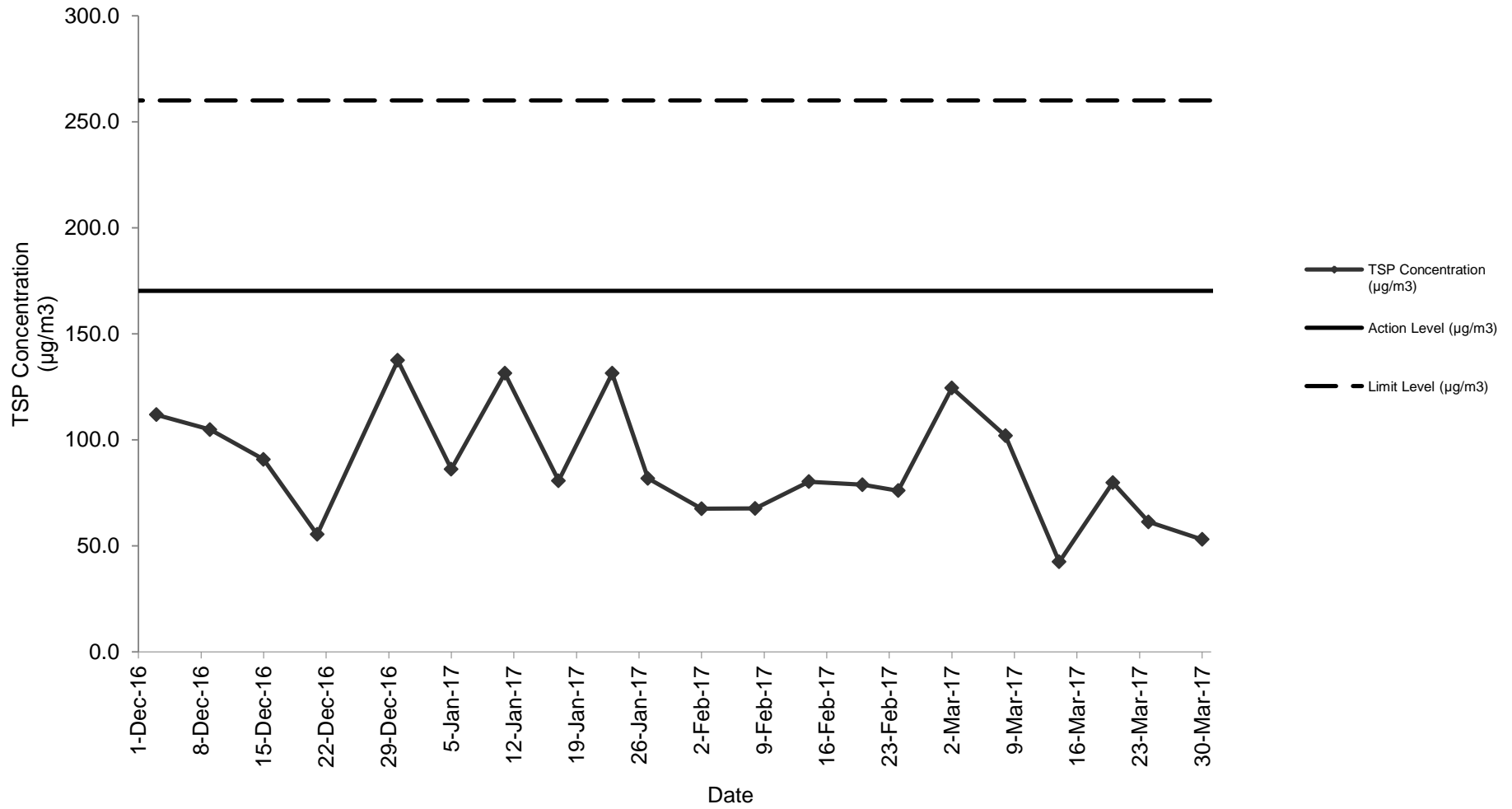
Sampling Date	Weather Condition	Starting Time	Paper No.	Wt. of paper (g)			Elapse Time			Flow Rate (CFM)			Flow Rate (m ³ /min)			Total Volume (m ³)	TSP Concentration (µg/m ³)	Action Level (µg/m ³)	Limit Level (µg/m ³)	Wind speed m/s	Wind direction	NOE	IR
				Initial Wt.	Final Wt.	Wt. of Dust	Initial	Final	Sampling Hour	Initial	Final	Avg Flow Rate	Initial	Final	Avg Flow Rate								
2-Mar-17	Sunny	12:10	CC16	2.8606	3.1194	0.2588	6115.67	6139.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	124.4	170.3	260.0	<5	N		
8-Mar-17	Fine	12:09	CC18	2.8936	3.1055	0.2119	6142.67	6166.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	101.9	170.3	260.0	<5	N		
14-Mar-17	Cloudy	12:11	CC20	2.9093	2.9976	0.0883	6169.67	6193.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	42.5	170.3	260.0	<5	N		
20-Mar-17	Sunny	12:10	CC22	2.9181	3.0841	0.1660	6196.67	6220.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	79.8	170.3	260.0	<5	N		
24-Mar-17	Sunny	12:10	CC24	2.9002	3.0277	0.1275	6223.67	6247.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	61.3	170.3	260.0	<5	N		
30-Mar-17	Sunny	12:11	CC26	2.9595	3.0698	0.1103	6250.67	6274.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	53.0	170.3	260.0	<5	N		
																Average	77.2						
																Min	42.5						
																Max	124.4						

Note: No major dust source observed during the monitoring period
Data in **Bold** denotes exceedance of respective Action Level
Data in **Bold Underline** denotes exceedance of respective Limit Level

24-Hour TSP Monitoring Result at Station: SR77



24-Hour TSP Monitoring Result at Station: SR77 (December 2016 - March 2017)



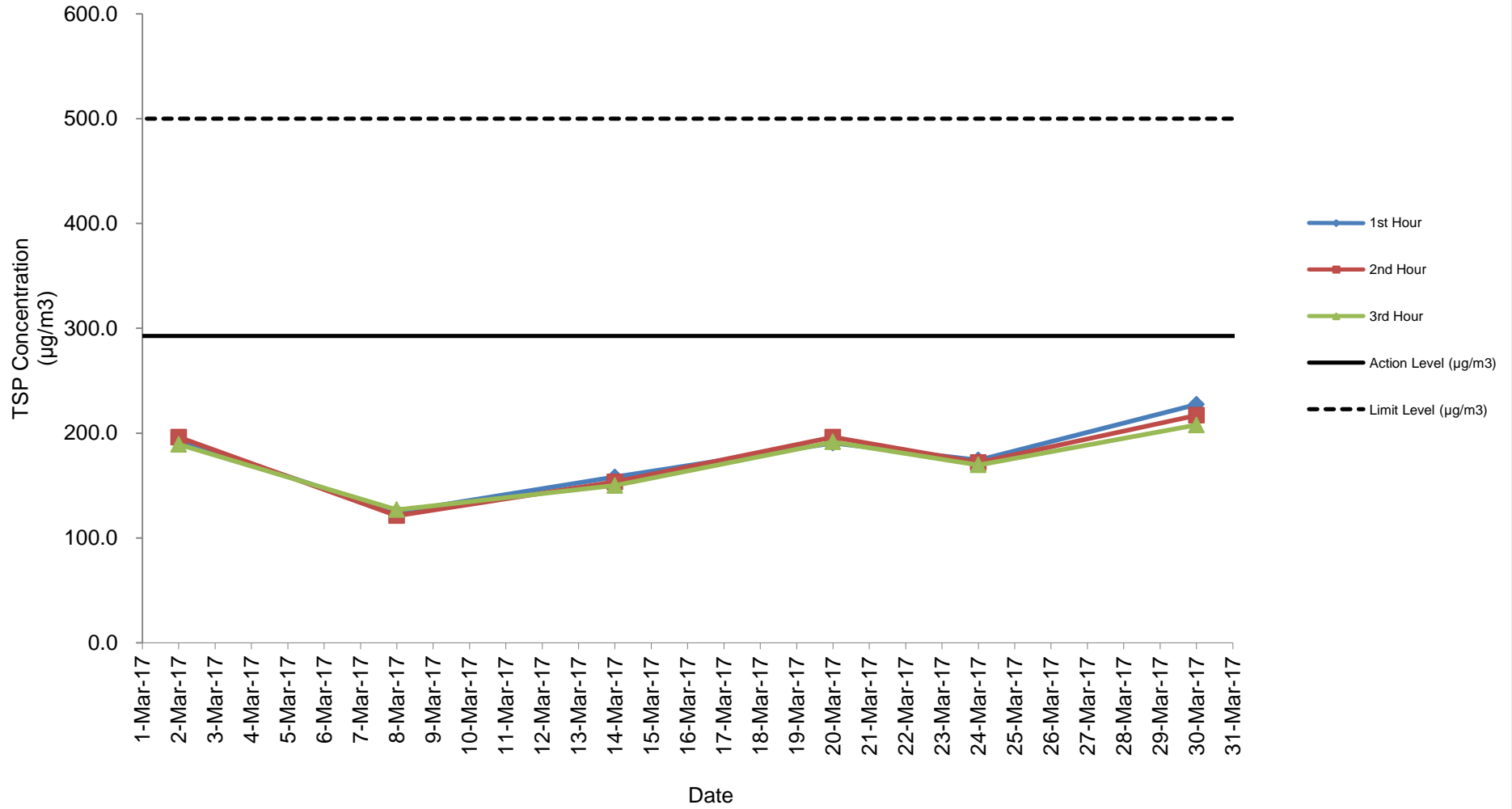
Appendix F
Air Quality Monitoring Results and their Graphical Presentation

Detailed Calculation of 1-Hour TSP Monitoring Result at Station: SR77

Sampling Date	Weather Condition	Starting Time	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						
2-Mar-17	Sunny	09:00	CC17A	2.8712	2.8879	0.0167	6112.67	6113.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	192.7	292.7	500.0	<5	N
	Sunny	10:02	CC17B	2.8683	2.8853	0.0170	6113.67	6114.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	196.2	292.7	500.0	<5	N
	Sunny	11:08	CC17C	2.8592	2.8756	0.0164	6114.67	6115.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	189.3	292.7	500.0	<5	N
8-Mar-17	Fine	09:00	CC19A	2.8530	2.8638	0.0108	6139.67	6140.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	124.6	292.7	500.0	<5	N
	Fine	10:03	CC19B	2.8176	2.8281	0.0105	6140.67	6141.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	121.2	292.7	500.0	<5	N
	Fine	11:06	CC19C	2.8119	2.8229	0.0110	6141.67	6142.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	126.9	292.7	500.0	<5	N
14-Mar-17	Cloudy	09:00	CC21A	2.9154	2.9291	0.0137	6166.67	6167.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	158.1	292.7	500.0	<5	N
	Cloudy	10:04	CC21B	2.8769	2.8902	0.0133	6167.67	6168.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	153.5	292.7	500.0	<5	N
	Cloudy	11:08	CC21C	2.9011	2.9141	0.0130	6168.67	6169.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	150.0	292.7	500.0	<5	N
20-Mar-17	Sunny	09:00	CC23A	2.8942	2.9107	0.0165	6193.67	6194.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	190.4	292.7	500.0	<5	N
	Sunny	10:03	CC23B	2.8691	2.8861	0.0170	6194.67	6195.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	196.2	292.7	500.0	<5	N
	Sunny	11:06	CC23C	2.8955	2.9121	0.0166	6195.67	6196.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	191.6	292.7	500.0	<5	N
24-Mar-17	Sunny	09:00	CC25A	2.8785	2.8936	0.0151	6220.67	6221.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	174.3	292.7	500.0	<5	N
	Sunny	10:02	CC25B	2.8715	2.8864	0.0149	6221.67	6222.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	172.0	292.7	500.0	<5	N
	Sunny	11:08	CC25C	2.8665	2.8812	0.0147	6222.67	6223.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	169.6	292.7	500.0	<5	N
30-Mar-17	Sunny	09:00	CC27A	2.8888	2.9085	0.0197	6247.67	6248.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	227.4	292.7	500.0	<5	N
	Sunny	10:03	CC27B	2.8441	2.8629	0.0188	6248.67	6249.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	217.0	292.7	500.0	<5	N
	Sunny	11:06	CC27C	2.8563	2.8743	0.0180	6249.67	6250.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	207.7	292.7	500.0	<5	N
																Average	175.5				
																Min	121.2				
																Max	227.4				

Note: No major dust source observed during the monitoring period
Data in **Bold** denotes exceedance of respective Action Level
Data in **Bold Underline** denotes exceedance of respective Limit Level

1-Hour TSP Monitoring Result at station: SR77



1-Hour TSP Monitoring Result at station: SR77 (December 2016 - March 2017)

