

Appendix F

Air Quality Monitoring Results and their Graphical Presentation

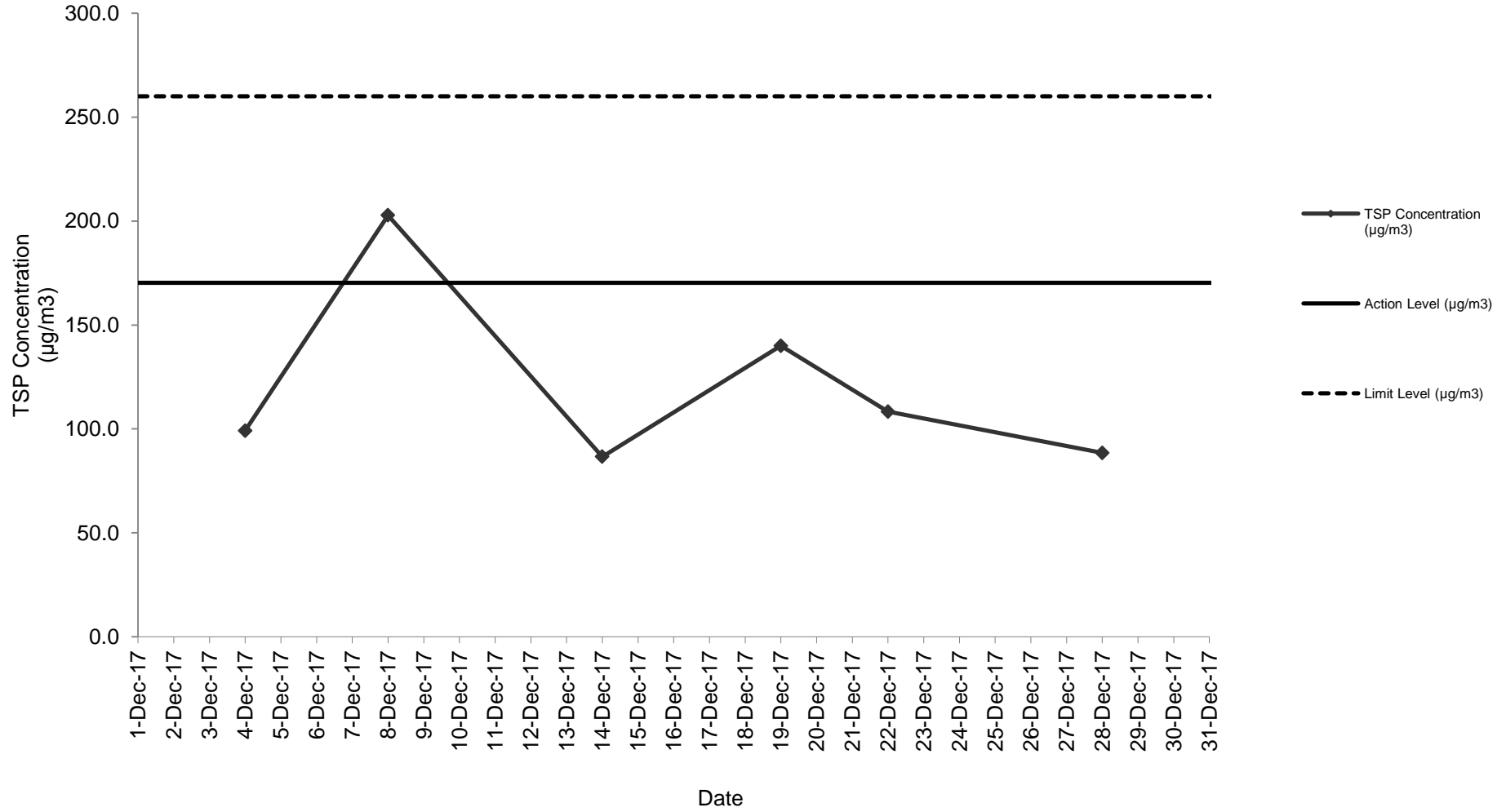
Appendix F
Air Quality Monitoring Results and their Graphical Presentation

24-Hour TSP Monitoring Result at Station: SR77

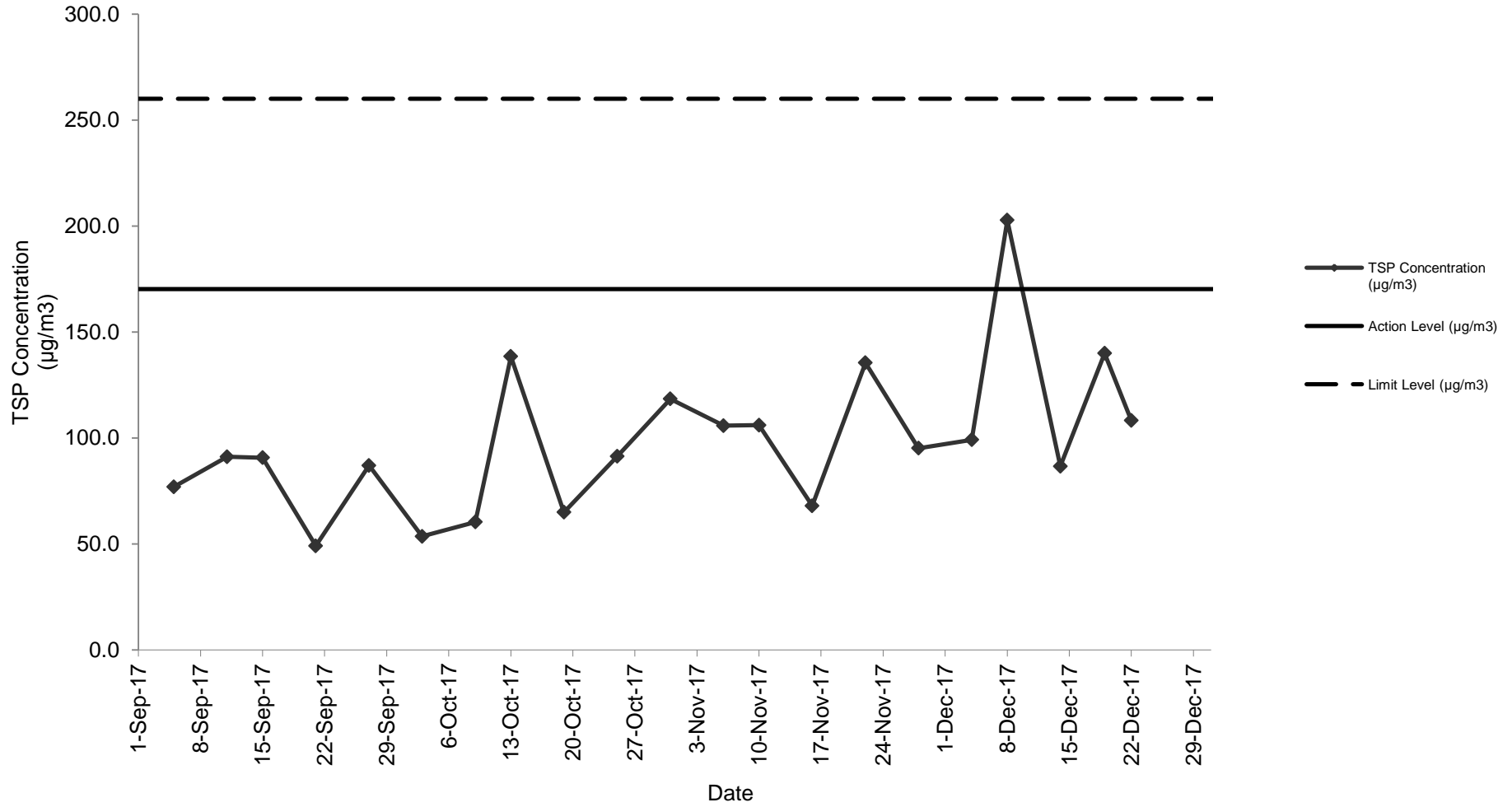
Sampling Date	Weather Condition	Starting Time	Paper No.	Wt. of paper (g)			Elapse Time			Flow Rate (CFM)			Flow Rate (m ³ /min)			Total Volume (m ³)	TSP Concentration (µg/m ³)	Action Level (µg/m ³)	Limit Level (µg/m ³)	Wind speed m/s	Wind direction	NOE	IR
				Initial Wt.	Final Wt.	Wt. of Dust	Initial	Final	Sampling Hour	Initial	Final	Avg Flow Rate	Initial	Final	Avg Flow Rate								
4-Dec-17	Sunny	12:11	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	12:13	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	12:11	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	12:11	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	12:10	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	12:11	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		
																Average	120.9						
																Min	86.7						
																Max	202.7						

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 (September 2017 - December 2017)



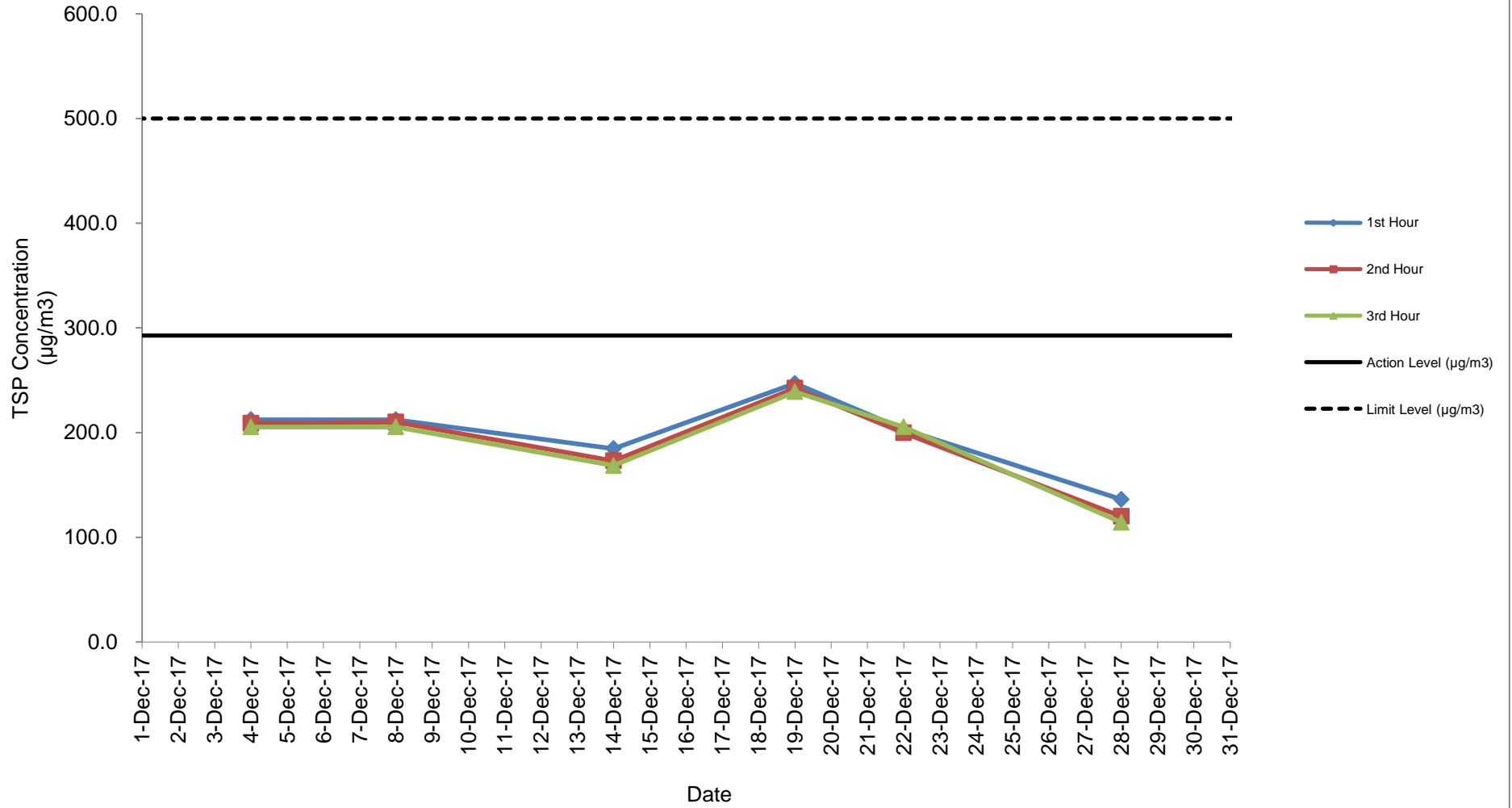
Appendix F
Air Quality Monitoring Results and their Graphical Presentation

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						
4-Dec-17	Sunny	09:00	CC117A	2.8671	2.8855	0.0184	7465.67	7466.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	212.3	292.7	500.0	<5	N
	Sunny	10:04	CC117B	2.8514	2.8695	0.0181	7466.67	7467.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	208.9	292.7	500.0	<5	N
	Sunny	11:08	CC117C	2.8448	2.8626	0.0178	7467.67	7468.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	205.4	292.7	500.0	<5	N
8-Dec-17	Fine	09:00	CC119A	2.8301	2.8485	0.0184	7492.67	7493.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	212.3	292.7	500.0	<5	N
	Fine	10:03	CC119B	2.8196	2.8378	0.0182	7493.67	7494.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	210.0	292.7	500.0	<5	N
	Fine	11:07	CC119C	2.8226	2.8404	0.0178	7494.67	7495.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	205.4	292.7	500.0	<5	N
14-Dec-17	Fine	09:00	CC121A	2.8466	2.8626	0.0160	7519.67	7520.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	184.7	292.7	500.0	<5	N
	Fine	10:04	CC121B	2.8191	2.8341	0.0150	7520.67	7521.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	173.1	292.7	500.0	<5	N
	Fine	11:07	CC121C	2.8225	2.8371	0.0146	7521.67	7522.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	168.5	292.7	500.0	<5	N
19-Dec-17	Sunny	09:00	CC123A	2.8491	2.8705	0.0214	7546.67	7547.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	247.0	292.7	500.0	<5	N
	Sunny	10:03	CC123B	2.8221	2.8431	0.0210	7547.67	7548.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	242.4	292.7	500.0	<5	N
	Sunny	11:07	CC123C	2.8362	2.8569	0.0207	7548.67	7549.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	238.9	292.7	500.0	<6	N
22-Dec-17	Fine	09:00	CC125A	2.8493	2.8669	0.0176	7573.67	7574.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	203.1	292.7	500.0	<7	N
	Fine	10:04	CC125B	2.8397	2.8570	0.0173	7574.67	7575.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	199.7	292.7	500.0	<8	N
	Fine	11:07	CC125C	2.8290	2.8468	0.0178	7575.67	7576.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	205.4	292.7	500.0	<9	N
28-Dec-17	Cloudy	09:00	CC127A	2.8559	2.8677	0.0118	7600.67	7601.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	136.2	292.7	500.0	<10	N
	Cloudy	10:04	CC127B	2.8197	2.8301	0.0104	7601.67	7602.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	120.0	292.7	500.0	<11	N
	Cloudy	11:08	CC127C	2.8156	2.8255	0.0099	7602.67	7603.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	114.3	292.7	500.0	<12	N
																Average	193.8				
																Min	114.3				
																Max	247.0				

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 (September 2017 - December 2017)

