

Appendix F

Air Quality Monitoring Results and their Graphical Presentation

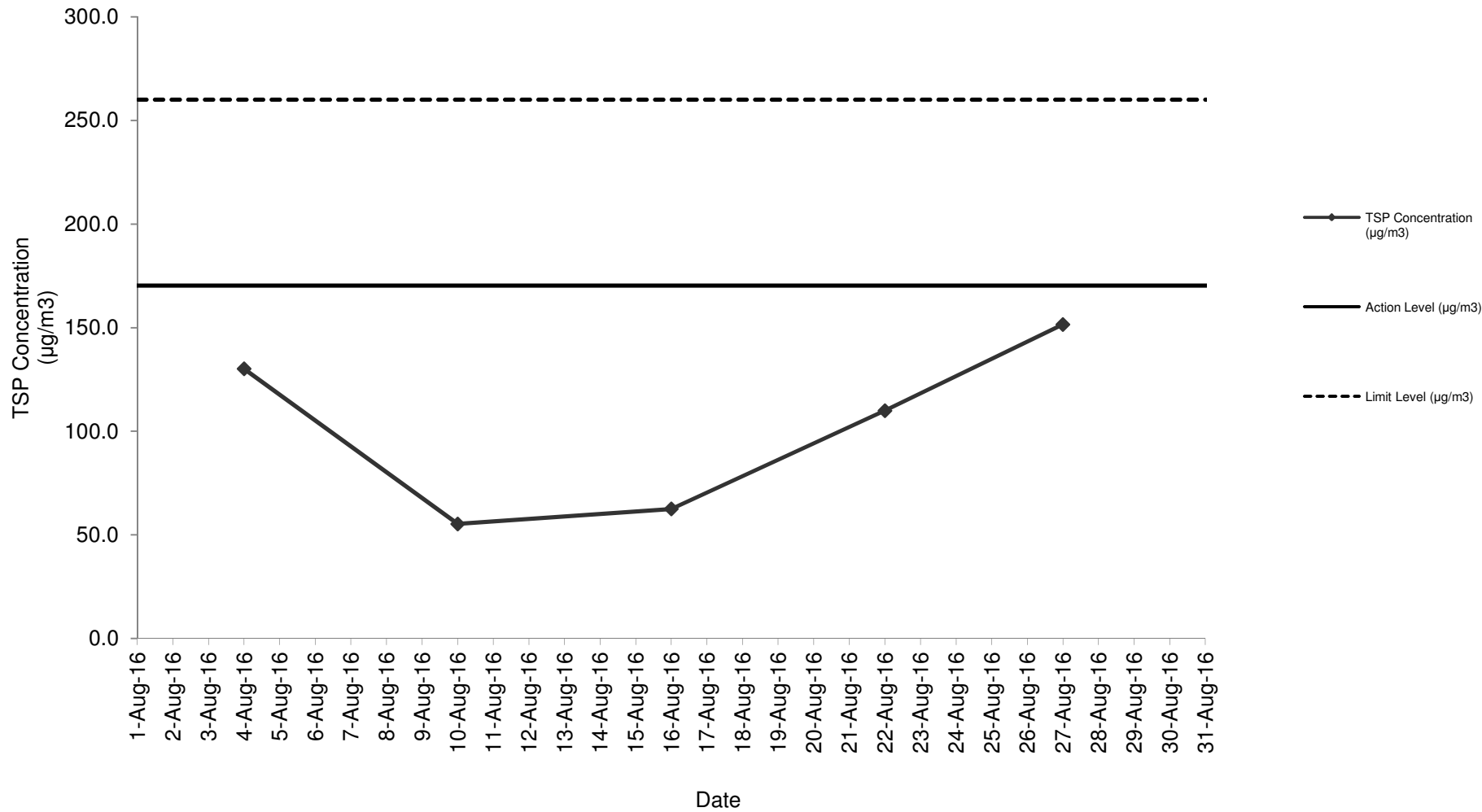
Appendix F
Air Quality Monitoring Results and their Graphical Presentation

24-Hour TSP Monitoring Result at Station: SR77

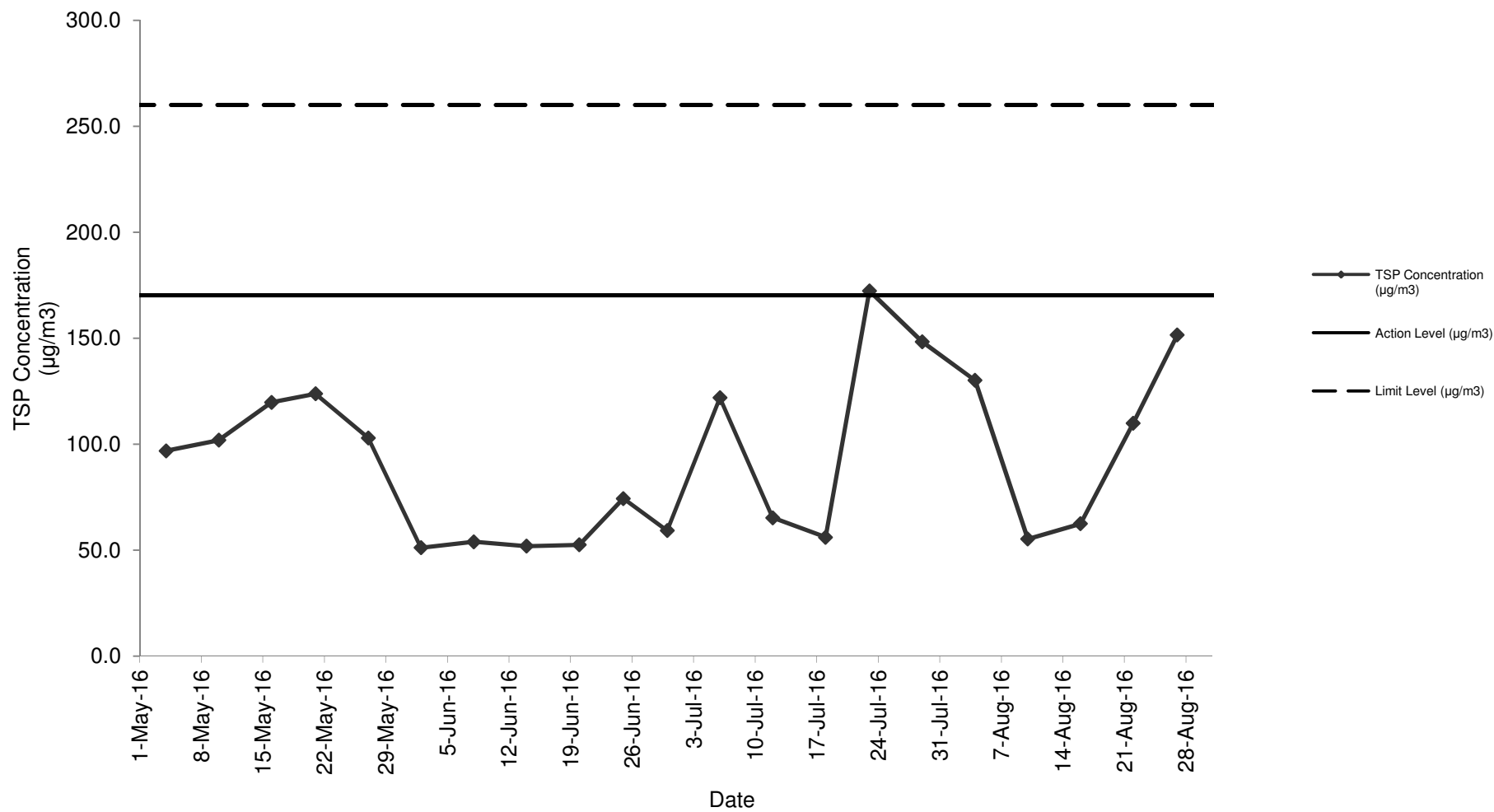
Sampling Date	Weather Condition	Starting Time	Paper No.	Wt. of paper (g)			Elapse Time			Flow Rate (CFM)			Flow Rate (m ³ /min)			Total Volume (m ³)	TSP Concentration (µg/m ³)	Action Level (µg/m ³)	Limit Level (µg/m ³)	Wind speed m/s	Wind direction
				Initial Wt.	Final Wt.	Wt. of Dust	Initial	Final	Sampling Hour	Initial	Final	Avg Flow Rate	Initial	Final	Avg Flow Rate						
4-Aug-16	Rainy	12:11	218	2.7565	3.0271	0.2706	5116.67	5140.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	130.1	170.3	260.0	<5	N
10-Aug-16	Rainy	12:12	220	2.8429	2.9579	0.1150	5143.67	5167.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	55.3	170.3	260.0	<5	N
16-Aug-16	Rainy	12:10	222	2.8216	2.9516	0.1300	5170.67	5194.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	62.5	170.3	260.0	<5	N
22-Aug-16	Sunny	12:10	224	2.8165	3.0451	0.2286	5197.67	5221.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	109.9	170.3	260.0	<5	N
27-Aug-16	Sunny	12:12	226	2.8566	3.1717	0.3151	5224.67	5248.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	151.5	170.3	260.0	<5	N
																Average	101.9				
																Min	55.3				
																Max	151.5				

Note: No major dust source observed during the monitoring period

24-Hour TSP Monitoring Result at Station: SR77



24-Hour TSP Monitoring Result at Station: SR77 (May 2016 - August 2016)



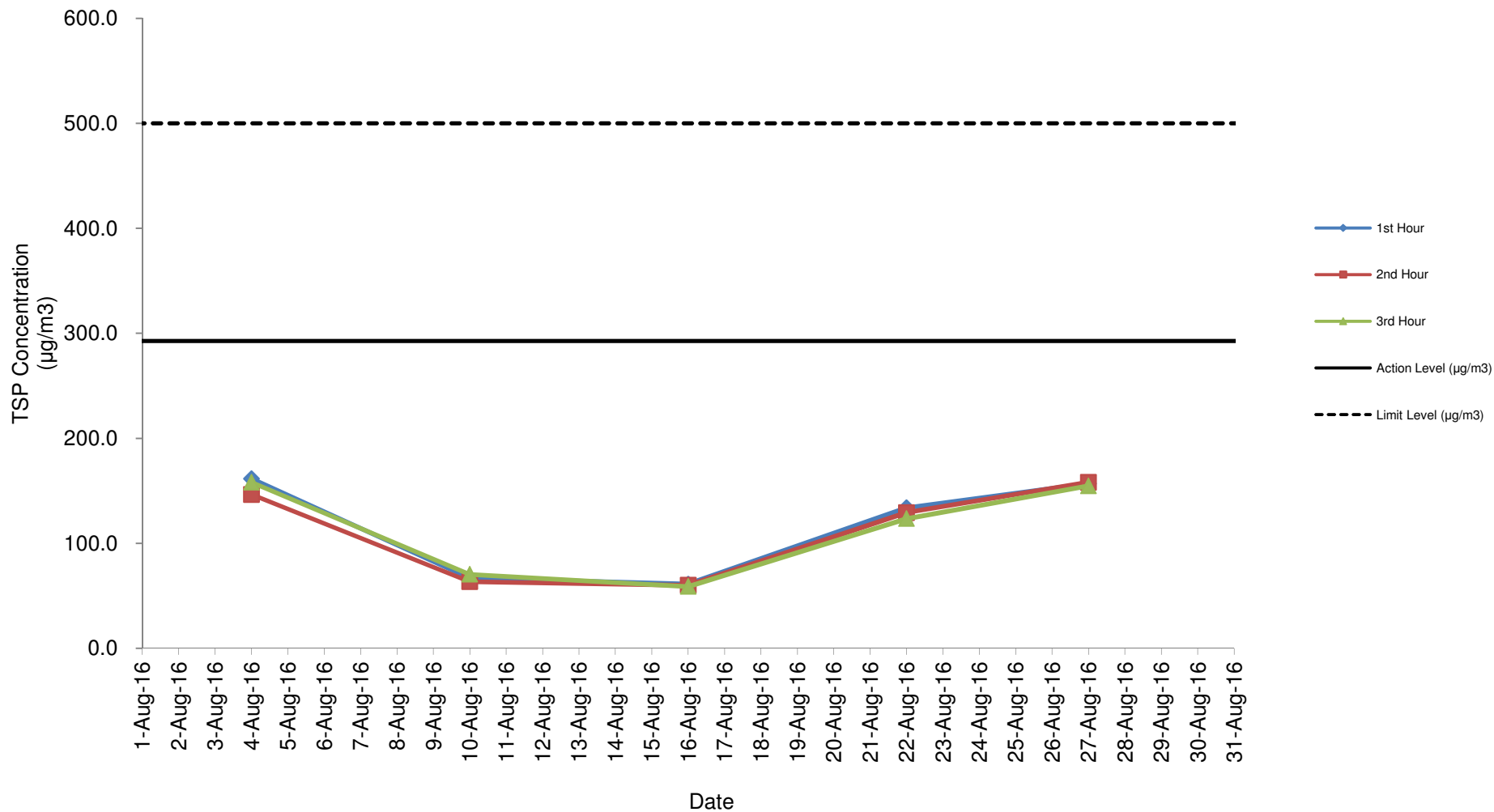
Appendix F
Air Quality Monitoring Results and their Graphical Presentation

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-Aug-16	Rainy	09:00	C219A	2.8221	2.8361	0.0140	5113.67	5114.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	161.6	292.7	500.0	<5	N
	Rainy	10:03	C219B	2.7944	2.8071	0.0127	5114.67	5115.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	146.6	292.7	500.0	<5	N
	Rainy	11:07	C219C	2.8167	2.8304	0.0137	5115.67	5116.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	158.1	292.7	500.0	<5	N
10-Aug-16	Rainy	09:00	C221A	2.8330	2.8388	0.0058	5140.67	5141.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	66.9	292.7	500.0	<5	N
	Rainy	10:04	C221B	2.8113	2.8168	0.0055	5141.67	5142.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	63.5	292.7	500.0	<5	N
	Rainy	11:08	C221C	2.8057	2.8118	0.0061	5142.67	5143.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	70.4	292.7	500.0	<5	N
16-Aug-16	Rainy	09:00	C223A	2.8221	2.8274	0.0053	5167.67	5168.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	61.2	292.7	500.0	<5	N
	Rainy	10:03	C223B	2.8169	2.8221	0.0052	5168.67	5169.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	60.0	292.7	500.0	<5	N
	Rainy	11:07	C223C	2.8148	2.8199	0.0051	5169.67	5170.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	58.9	292.7	500.0	<5	N
22-Aug-16	Sunny	09:00	C225A	2.7941	2.8057	0.0116	5194.67	5195.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	133.9	292.7	500.0	<5	N
	Sunny	10:04	C225B	2.8090	2.8202	0.0112	5195.67	5196.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	129.3	292.7	500.0	<5	N
	Sunny	11:09	C225C	2.8142	2.8249	0.0107	5196.67	5197.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	123.5	292.7	500.0	<5	N
27-Aug-16	Sunny	09:00	C227A	2.8541	2.8677	0.0136	5221.67	5222.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	157.0	292.7	500.0	<5	N
	Sunny	10:04	C227B	2.8311	2.8448	0.0137	5222.67	5223.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	158.1	292.7	500.0	<5	N
	Sunny	11:08	C227C	2.8297	2.8431	0.0134	5223.67	5224.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	154.6	292.7	500.0	<5	N
Average																113.6					
Min																58.9					
Max																161.6					

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 (May 2016 - August 2016)

