

Appendix F

Air Quality Monitoring Results and their Graphical Presentation

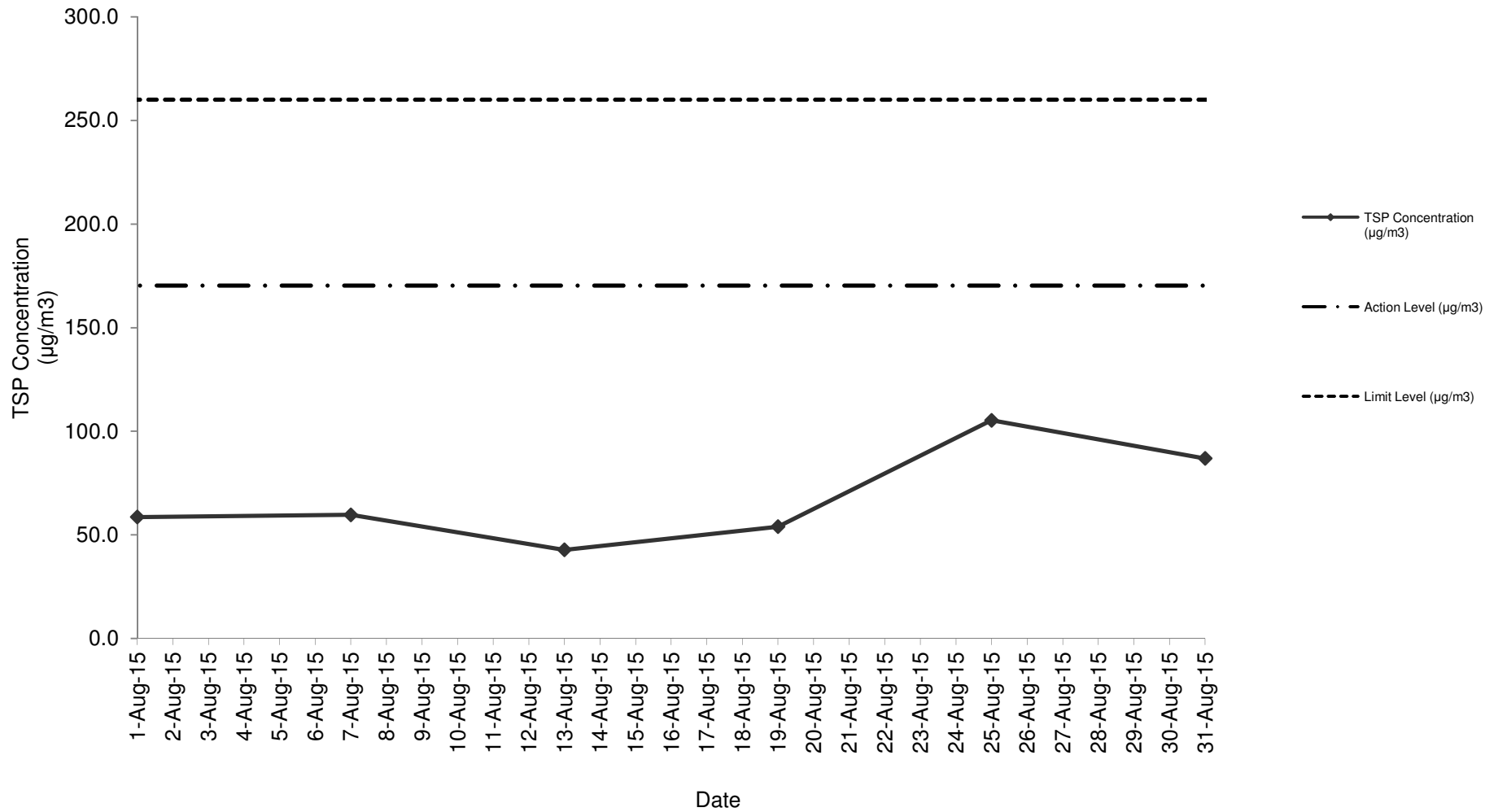
Appendix F
Air Quality Monitoring Results and their Graphical Presentation

24-Hour TSP Monitoring Result at Station: SR77

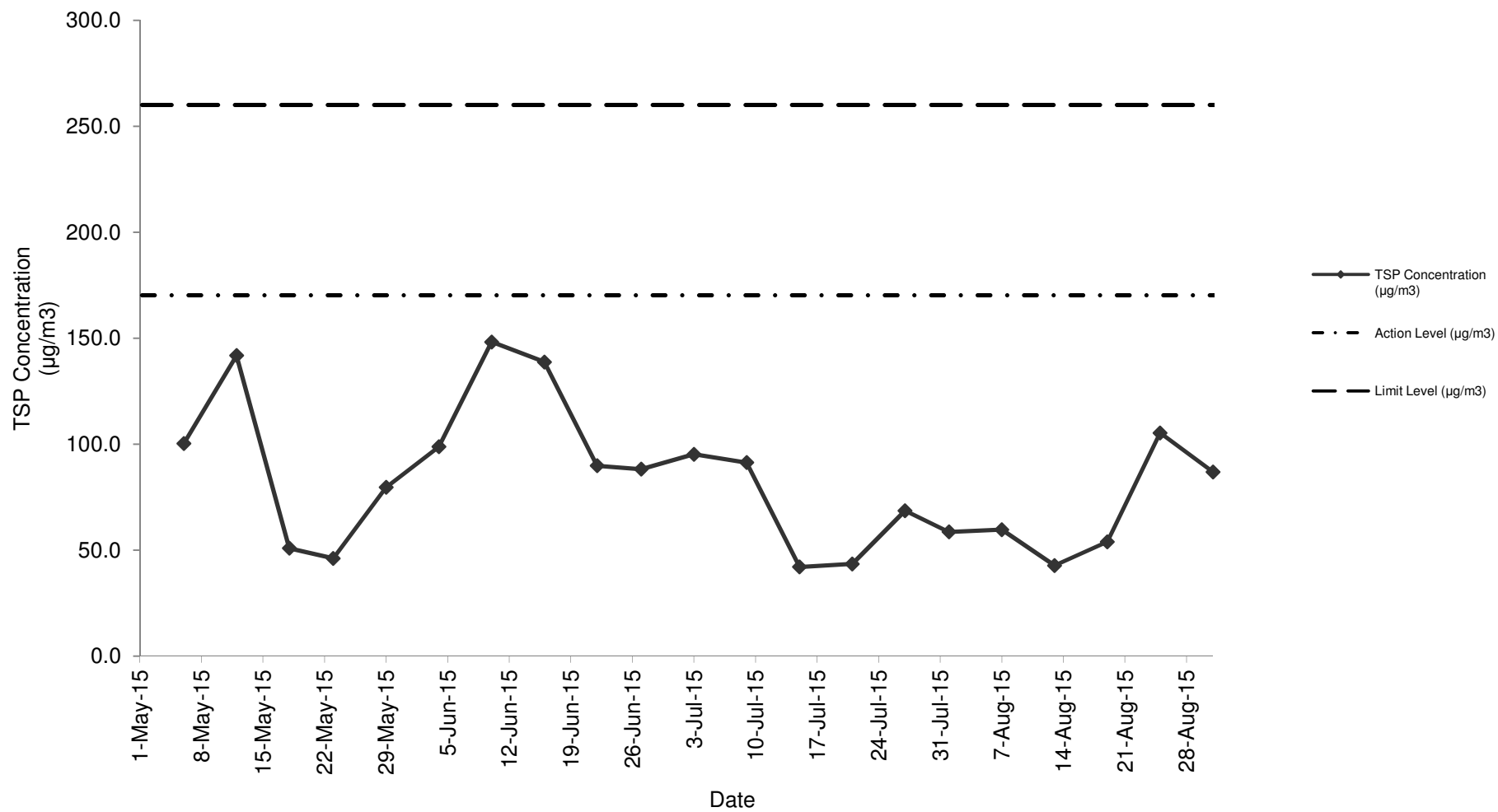
Sampling Date	Weather Condition	Starting Time	Paper No.	Wt. of paper (g)			Elapse Time			Flow Rate (CFM)			Flow Rate (m ³ /min)			Total Volume (m ³)	TSP Concentration (µg/m ³)	Action Level (µg/m ³)	Limit Level (µg/m ³)	Wind speed m/s	Wind direction
				Initial Wt.	Final Wt.	Wt. of Dust	Initial	Final	Sampling Hour	Initial	Final	Avg Flow Rate	Initial	Final	Avg Flow Rate						
1-Aug-15	Sunny	12:10	C13	2.7791	2.9010	0.1219	3523.67	3547.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	58.6	170.3	260.0	<5	N
7-Aug-15	Sunny	12:09	C15	2.7864	2.9105	0.1241	3550.67	3574.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	59.7	170.3	260.0	<5	N
13-Aug-15	Cloudy	12:09	C17	2.7866	2.8756	0.0890	3577.67	3601.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	42.8	170.3	260.0	<5	N
19-Aug-15	Sunny	12:10	C19	2.8097	2.9219	0.1122	3604.67	3628.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	54.0	170.3	260.0	<5	N
25-Aug-15	Sunny	12:09	C21	2.7797	2.9987	0.2190	3631.67	3655.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	105.3	170.3	260.0	<5	N
31-Aug-15	Cloudy	12:11	C23	2.9073	3.0880	0.1807	3658.67	3682.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	86.9	170.3	260.0	<5	N
																Average	67.9				
																Min	42.8				
																Max	105.3				

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 2015 - August 2015)



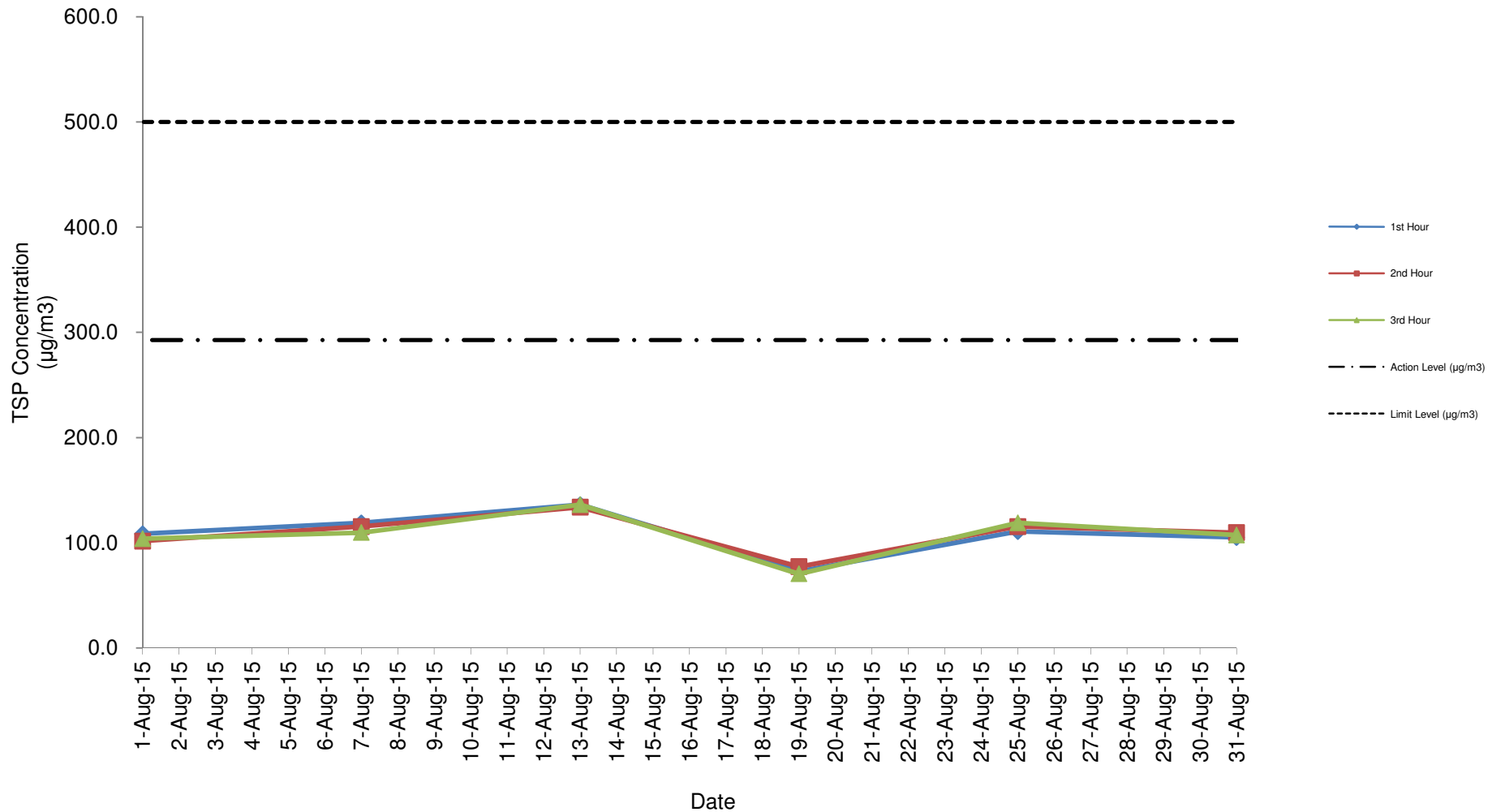
Appendix F
Air Quality Monitoring Results and their Graphical Presentation

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						
1-Aug-15	Sunny	09:00	C14A	2.7901	2.7995	0.0094	3520.67	3521.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	108.5	292.7	500.0	<5	N
	Sunny	10:03	C14B	2.7993	2.8081	0.0088	3521.67	3522.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	101.6	292.7	500.0	<5	N
	Sunny	11:06	C14C	2.8021	2.8111	0.0090	3522.67	3523.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	103.9	292.7	500.0	<5	N
7-Aug-15	Sunny	09:00	C16A	2.7891	2.7994	0.0103	3547.67	3548.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	118.9	292.7	500.0	<5	N
	Sunny	10:04	C16B	2.7885	2.7985	0.0100	3548.67	3549.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	115.4	292.7	500.0	<5	N
	Sunny	11:06	C16C	2.7904	2.7999	0.0095	3549.67	3550.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	109.6	292.7	500.0	<5	N
13-Aug-15	Cloudy	09:00	C18A	2.8117	2.8235	0.0118	3574.67	3575.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	136.2	292.7	500.0	<5	N
	Cloudy	10:03	C18B	2.7949	2.8065	0.0116	3575.67	3576.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	133.9	292.7	500.0	<5	N
	Cloudy	11:06	C18C	2.8103	2.8221	0.0118	3576.67	3577.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	136.2	292.7	500.0	<5	N
19-Aug-15	Sunny	09:00	C20A	2.8034	2.8097	0.0063	3601.67	3602.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	72.7	292.7	500.0	<5	N
	Sunny	10:04	C20B	2.8023	2.8090	0.0067	3602.67	3603.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	77.3	292.7	500.0	<5	N
	Sunny	11:06	C20C	2.8055	2.8116	0.0061	3603.67	3604.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	70.4	292.7	500.0	<5	N
25-Aug-15	Sunny	09:00	C22A	2.7958	2.8054	0.0096	3628.67	3629.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	110.8	292.7	500.0	<5	N
	Sunny	10:03	C22B	2.7898	2.7998	0.0100	3629.67	3630.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	115.4	292.7	500.0	<5	N
	Sunny	11:06	C22C	2.7861	2.7964	0.0103	3630.67	3631.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	118.9	292.7	500.0	<5	N
31-Aug-15	Cloudy	09:00	C24A	2.7955	2.8046	0.0091	3655.67	3656.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	105.0	292.7	500.0	<5	N
	Cloudy	10:04	C24B	2.7846	2.7941	0.0095	3656.67	3657.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	109.6	292.7	500.0	<5	N
	Cloudy	11:07	C24C	2.8010	2.8103	0.0093	3657.67	3658.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	107.3	292.7	500.0	<5	N
Average																108.4					
Min																70.4					
Max																136.2					

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 2015 - August 2015)

