

Appendix F

Air Quality Monitoring Results and their Graphical Presentation

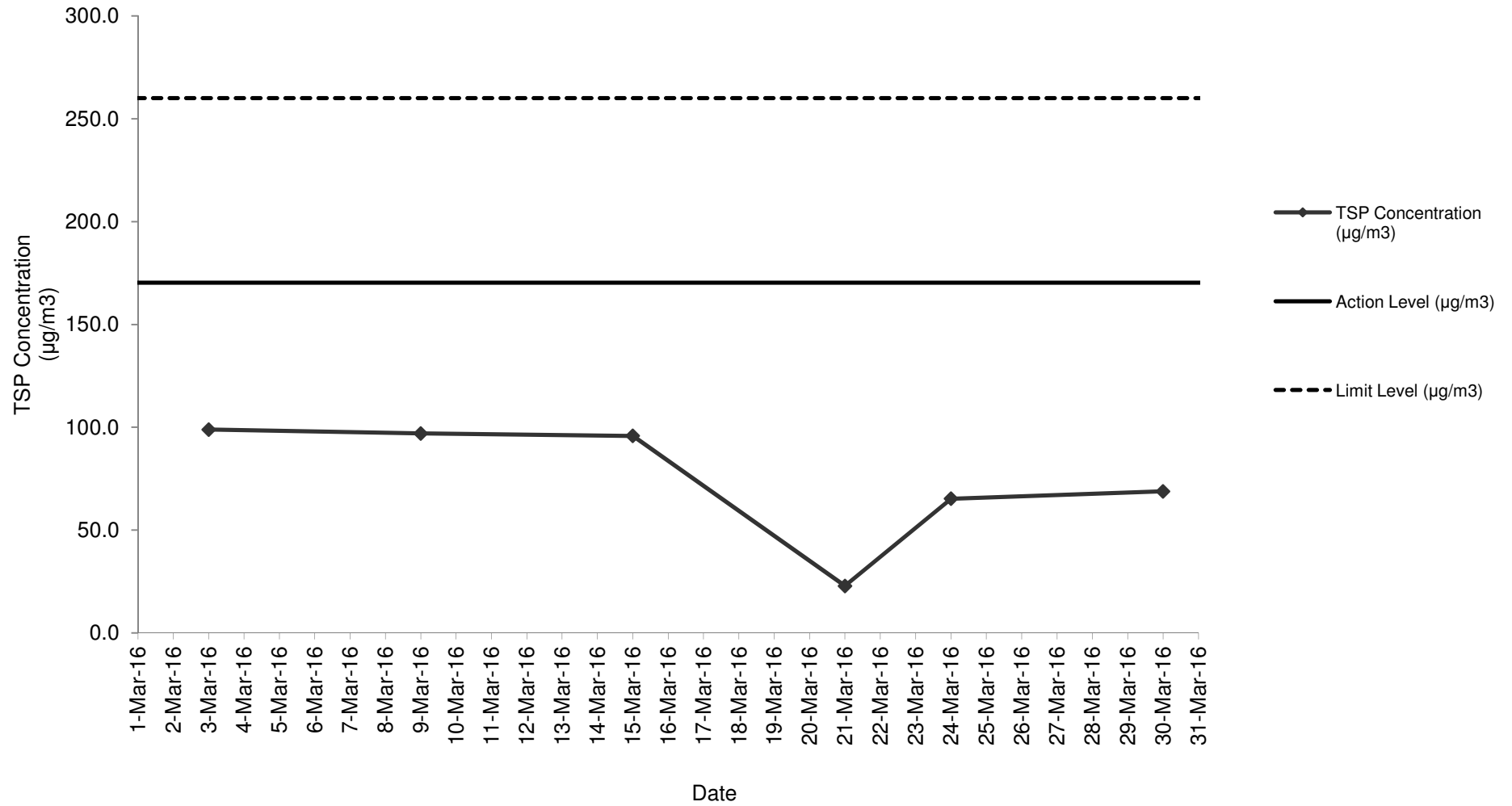
Appendix F
Air Quality Monitoring Results and their Graphical Presentation

24-Hour TSP Monitoring Result at Station: SR77

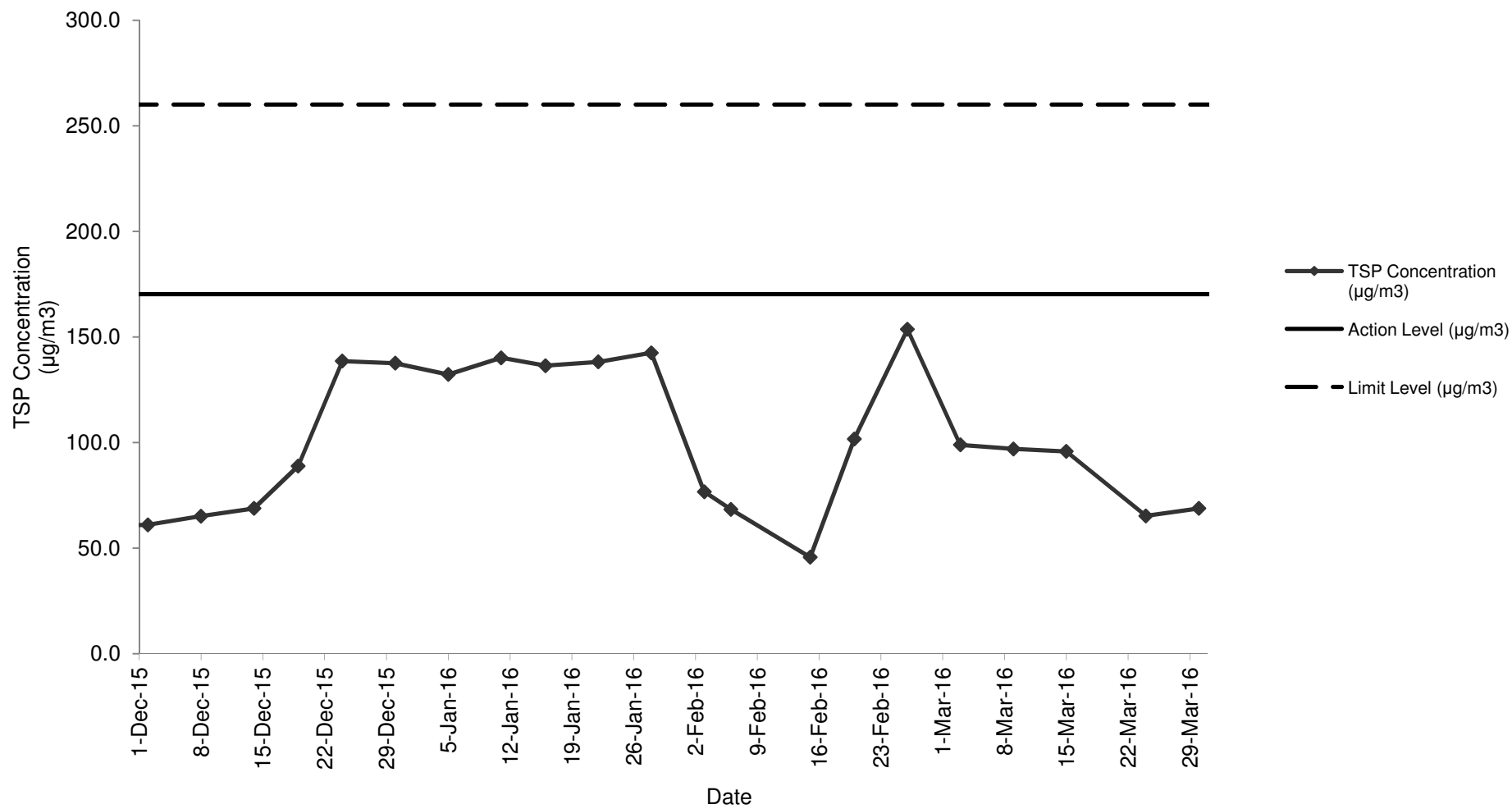
Sampling Date	Weather Condition	Starting Time	Paper No.	Wt. of paper (g)			Elapse Time			Flow Rate (CFM)			Flow Rate (m ³ /min)			Total Volume (m ³)	TSP Concentration (µg/m ³)	Action Level (µg/m ³)	Limit Level (µg/m ³)	Wind speed m/s	Wind direction
				Initial Wt.	Final Wt.	Wt. of Dust	Initial	Final	Sampling Hour	Initial	Final	Avg Flow Rate	Initial	Final	Avg Flow Rate						
3-Mar-16	Sunny	12:11	C164	2.7614	2.9671	0.2057	4522.67	4546.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	98.9	170.3	260.0	<5	N
9-Mar-16	Cloudy	12:10	C166	2.8872	3.0889	0.2017	4549.67	4573.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	97.0	170.3	260.0	<5	N
15-Mar-16	Cloudy	12:11	C168	2.8043	3.0036	0.1993	4576.67	4600.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	95.8	170.3	260.0	<5	N
21-Mar-16	Rainy	12:10	C170	2.8121	2.8596	0.0475	4603.67	4627.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	22.8	170.3	260.0	<5	N
24-Mar-16	Rainy	12:09	C172	2.8087	2.9445	0.1358	4630.67	4654.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	65.3	170.3	260.0	<5	N
30-Mar-16	Cloudy	12:10	C174	2.8006	2.9438	0.1432	4657.67	4681.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	68.9	170.3	260.0	<5	N
																Average	74.8				
																Min	22.8				
																Max	98.9				

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 (December 2015 - March 2016)



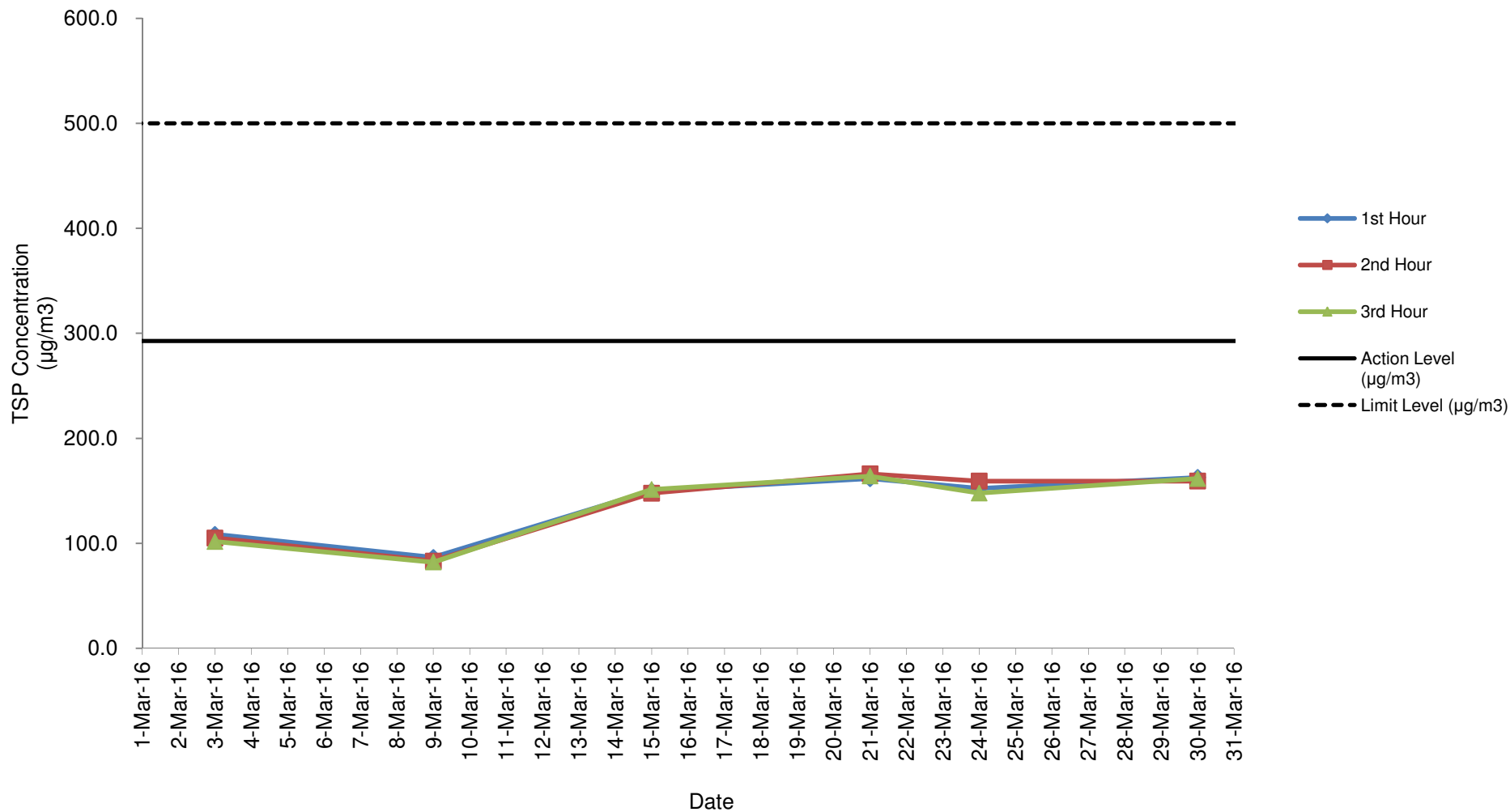
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Air Quality Monitoring Results and their Graphical Presentation

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						
3-Mar-16	Sunny	09:00	C165A	2.7910	2.8004	0.0094	4519.67	4520.67	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	C165B	2.7780	2.7871	0.0091	4520.67	4521.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	105.0	292.7	500.0	<5	N
	Sunny	11:07	C165C	2.7690	2.7778	0.0088	4521.67	4522.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	101.6	292.7	500.0	<5	N
9-Mar-16	Cloudy	09:00	C167A	2.8099	2.8174	0.0075	4546.67	4547.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	86.6	292.7	500.0	<5	N
	Cloudy	10:02	C167B	2.7951	2.8023	0.0072	4547.67	4548.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	83.1	292.7	500.0	<5	N
	Cloudy	11:06	C167C	2.7860	2.7931	0.0071	4548.67	4549.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	81.9	292.7	500.0	<5	N
15-Mar-16	Cloudy	09:00	C169A	2.7917	2.8047	0.0130	4573.67	4574.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	150.0	292.7	500.0	<5	N
	Cloudy	10:03	C169B	2.7933	2.8061	0.0128	4574.67	4575.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	147.7	292.7	500.0	<5	N
	Cloudy	11:08	C169C	2.7991	2.8122	0.0131	4575.67	4576.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	151.2	292.7	500.0	<5	N
21-Mar-16	Rainy	09:00	C171A	2.8399	2.8539	0.0140	4600.67	4601.67	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	C171B	2.8127	2.8271	0.0144	4601.67	4602.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	166.2	292.7	500.0	<5	N
	Rainy	11:07	C171C	2.8119	2.8261	0.0142	4602.67	4603.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	163.9	292.7	500.0	<5	N
24-Mar-16	Rainy	09:00	C173A	2.7816	2.7948	0.0132	4627.67	4628.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	152.3	292.7	500.0	<5	N
	Rainy	10:02	C173B	2.7799	2.7937	0.0138	4628.67	4629.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	159.3	292.7	500.0	<5	N
	Rainy	11:06	C173C	2.7833	2.7961	0.0128	4629.67	4630.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	147.7	292.7	500.0	<5	N
30-Mar-16	Cloudy	09:00	C175A	2.8030	2.8171	0.0141	4654.67	4655.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	162.7	292.7	500.0	<5	N
	Cloudy	10:03	C175B	2.7981	2.8119	0.0138	4655.67	4656.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	159.3	292.7	500.0	<5	N
	Cloudy	11:06	C175C	2.7794	2.7934	0.0140	4656.67	4657.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	161.6	292.7	500.0	<5	N
Average																136.1					
Min																81.9					
Max																166.2					

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 (December 2015 - March 2016)

