

Appendix F

Air Quality Monitoring Results and their Graphical Presentation

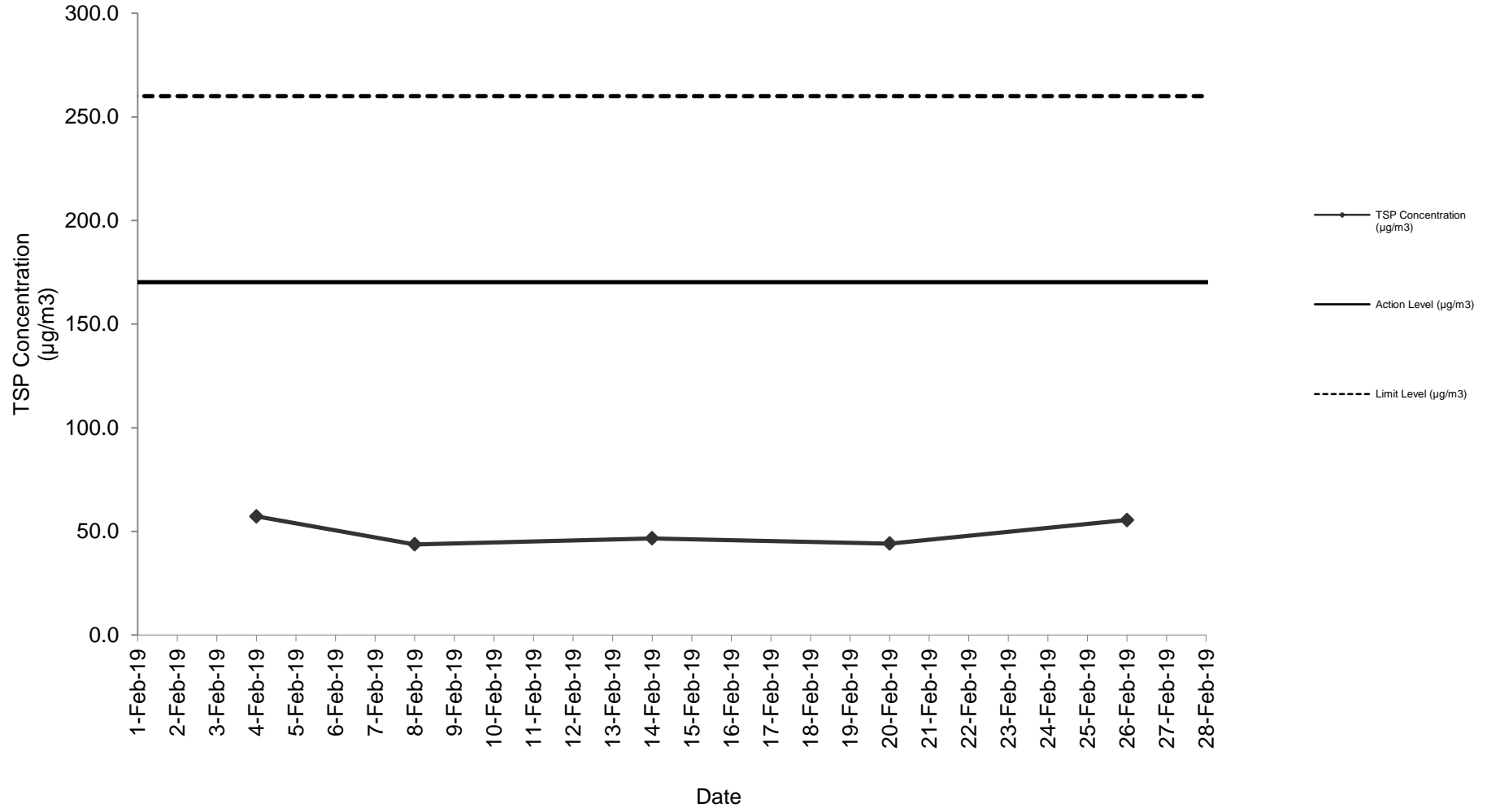
Appendix F
Air Quality Monitoring Results and their Graphical Presentation

24-Hour TSP Monitoring Result at Station: SR77

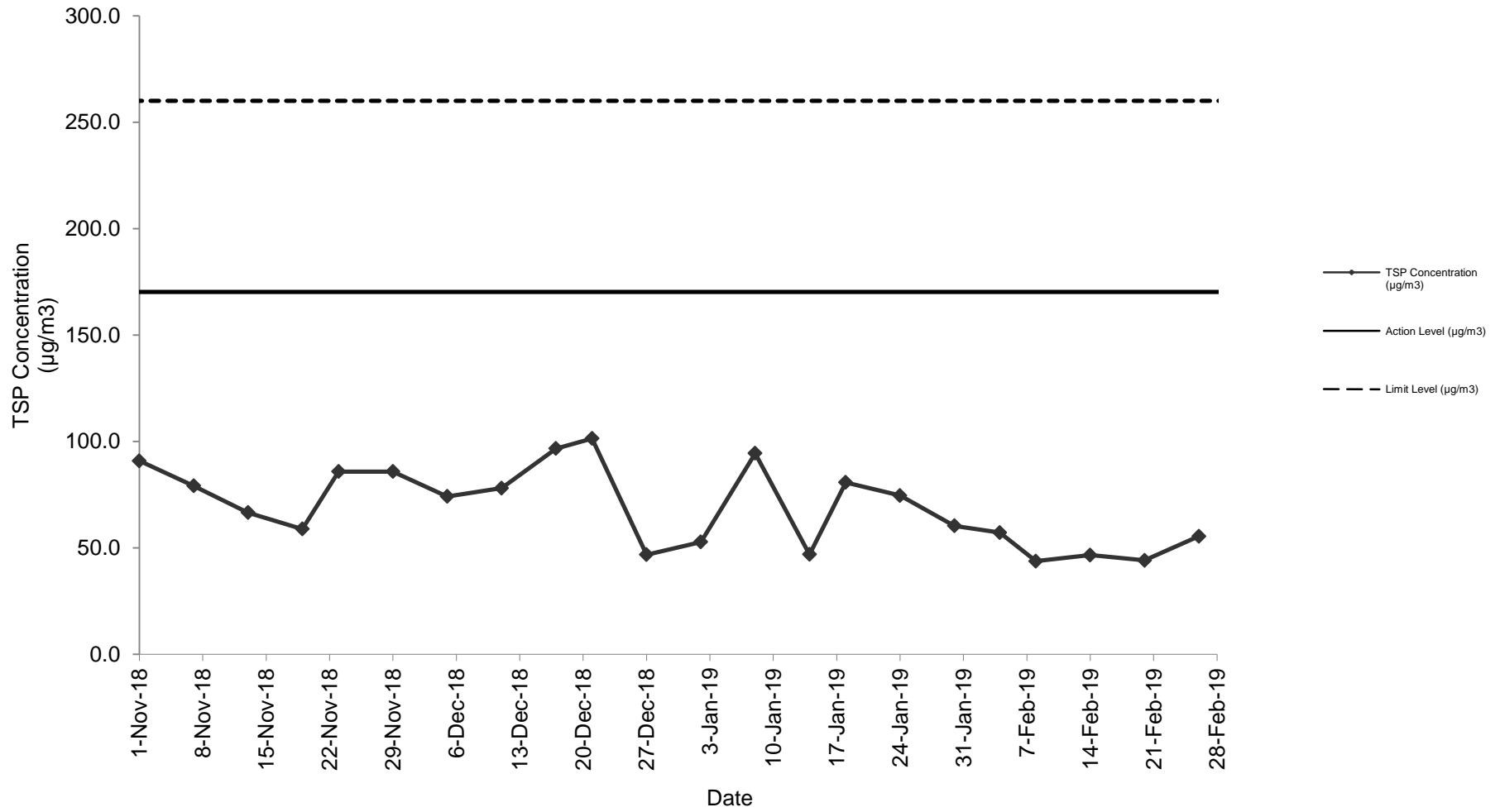
Sampling Date	Weather Condition	Starting Time	Paper No.	Wt. of paper (g)			Elapse Time			Flow Rate (CFM)			Flow Rate (m ³ /min)			Total Volume (m ³)	TSP Concentration (µg/m ³)	Action Level (µg/m ³)	Limit Level (µg/m ³)	Wind speed m/s	Wind direction	NOE	IR
				Initial Wt.	Final Wt.	Wt. of Dust	Initial	Final	Sampling Hour	Initial	Final	Avg Flow Rate	Initial	Final	Avg Flow Rate								
4-Feb-19	Fine	12:11	C226	2.6682	2.7872	0.1190	9576.67	9600.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	57.2	170.3	260.0	<5	N		
8-Feb-19	Fine	12:14	C228	2.6745	2.7655	0.0910	9603.67	9627.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	43.8	170.3	260.0	<5	N		
14-Feb-19	Sunny	12:12	C230	2.6557	2.7527	0.0970	9630.67	9654.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	46.6	170.3	260.0	<5	N		
20-Feb-19	Cloudy	12:11	C232	2.6628	2.7546	0.0918	9657.67	9681.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	44.1	170.3	260.0	<5	N		
26-Feb-19	Cloudy	12:12	C234	2.6655	2.7809	0.1154	9684.67	9708.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	55.5	170.3	260.0	<5	N		
																Average	49.5						
																Min	43.8						
																Max	57.2						

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

24-Hour TSP Monitoring Result at Station: SR77



24-Hour TSP Monitoring Result at Station: SR77 (November 2018 - February 2019)



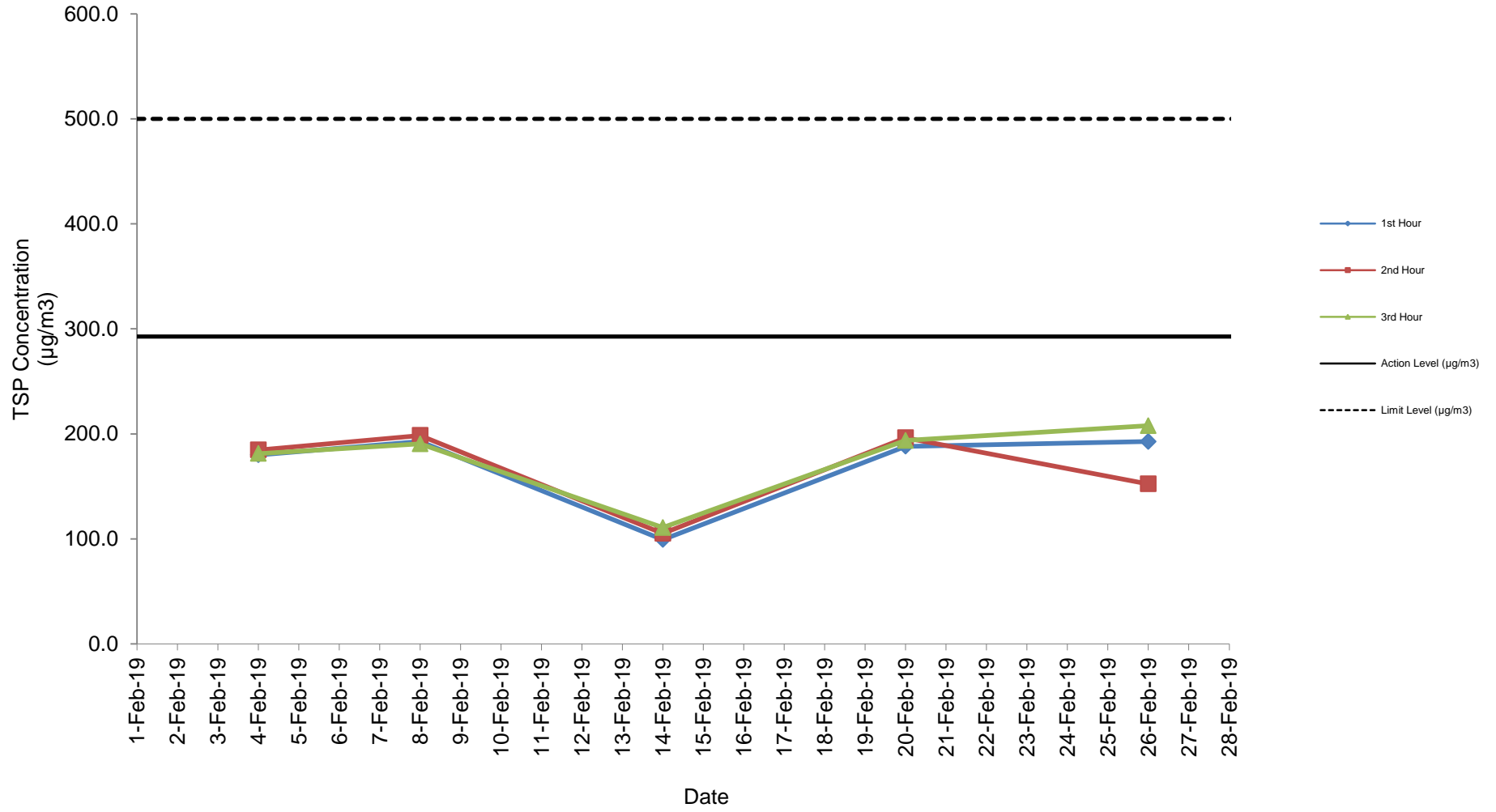
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Air Quality Monitoring Results and their Graphical Presentation

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	NOE	IR
				Initial Wt.	Final Wt.	Wt. of Dust	Initial	Final	Sampling Hour	Initial	Final	Avg Flow Rate	Initial	Final	Avg Flow Rate								
4-Feb-19	Fine	09:00	C227A	2.6657	2.6741	0.0084	9411.67	9412.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	96.9	292.7	500.0	<5	N		
		10:04	C227B	2.6491	2.6583	0.0092	9412.67	9413.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	106.2	292.7	500.0	<5	N		
8-Feb-19	Fine	11:08	C227C	2.6708	2.6801	0.0093	9413.67	9414.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	107.3	292.7	500.0	<5	N		
		09:00	C229A	2.6714	2.6844	0.0130	9438.67	9439.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	150.0	292.7	500.0	<5	N		
	Fine	10:06	C229B	2.6551	2.6688	0.0137	9439.67	9440.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	158.1	292.7	500.0	<5	N		
		11:09	C229C	2.6646	2.6761	0.0115	9440.67	9441.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	132.7	292.7	500.0	<5	N		
14-Feb-19	Sunny	09:00	C231A	2.6647	2.6801	0.0154	9465.67	9466.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	177.7	292.7	500.0	<5	N		
		10:02	C231B	2.6613	2.6762	0.0149	9466.67	9467.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	172.0	292.7	500.0	<5	N		
	Sunny	11:04	C231C	2.6391	2.6541	0.0150	9467.67	9468.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	173.1	292.7	500.0	<5	N		
20-Feb-19	Cloudy	09:00	C233A	2.6604	2.6724	0.0120	9492.67	9493.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	138.5	292.7	500.0	<5	N		
		10:03	C233B	2.6542	2.6667	0.0125	9493.67	9494.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	144.3	292.7	500.0	<5	N		
	Cloudy	11:07	C233C	2.6677	2.6791	0.0114	9494.67	9495.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	131.6	292.7	500.0	<5	N		
26-Feb-19	Cloudy	09:00	C235A	2.6647	2.6794	0.0147	9519.67	9520.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	169.6	292.7	500.0	<5	N		
		10:02	C235B	2.6588	2.6734	0.0146	9520.67	9521.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	168.5	292.7	500.0	<5	N		
	Cloudy	11:04	C235C	2.6711	2.6851	0.0140	9521.67	9522.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	161.6	292.7	500.0	<5	N		
																Average	145.9						
																Min	96.9						
																Max	177.7						

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

1-Hour TSP Monitoring Result at station: SR77



1-Hour TSP Monitoring Result at station: SR77 (November 2018 - February 2019)

