

# **Appendix F**

## **Air Quality Monitoring Results and their Graphical Presentation**

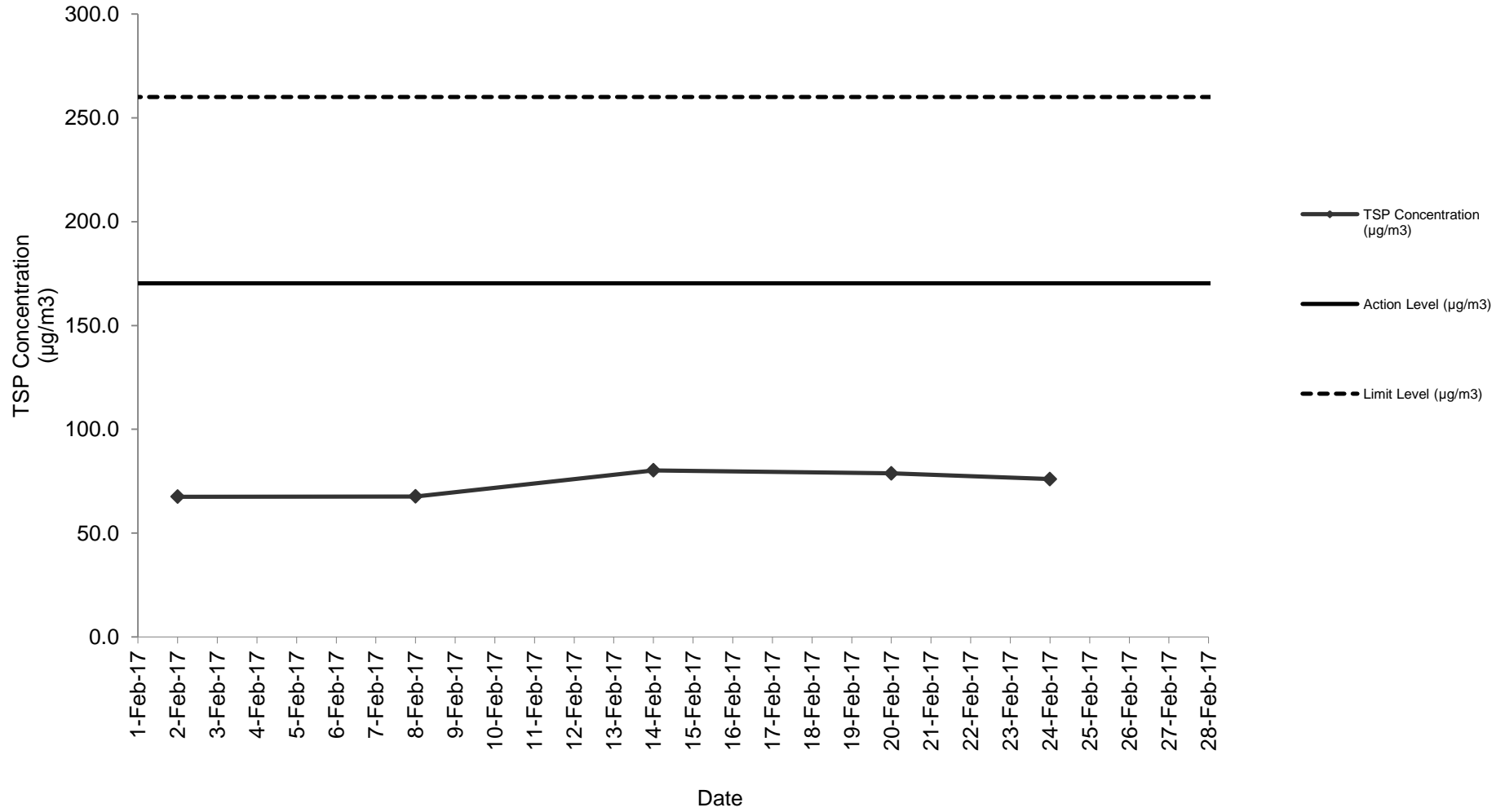
Appendix F  
Air Quality Monitoring Results and their Graphical Presentation

24-Hour TSP Monitoring Result at Station: SR77

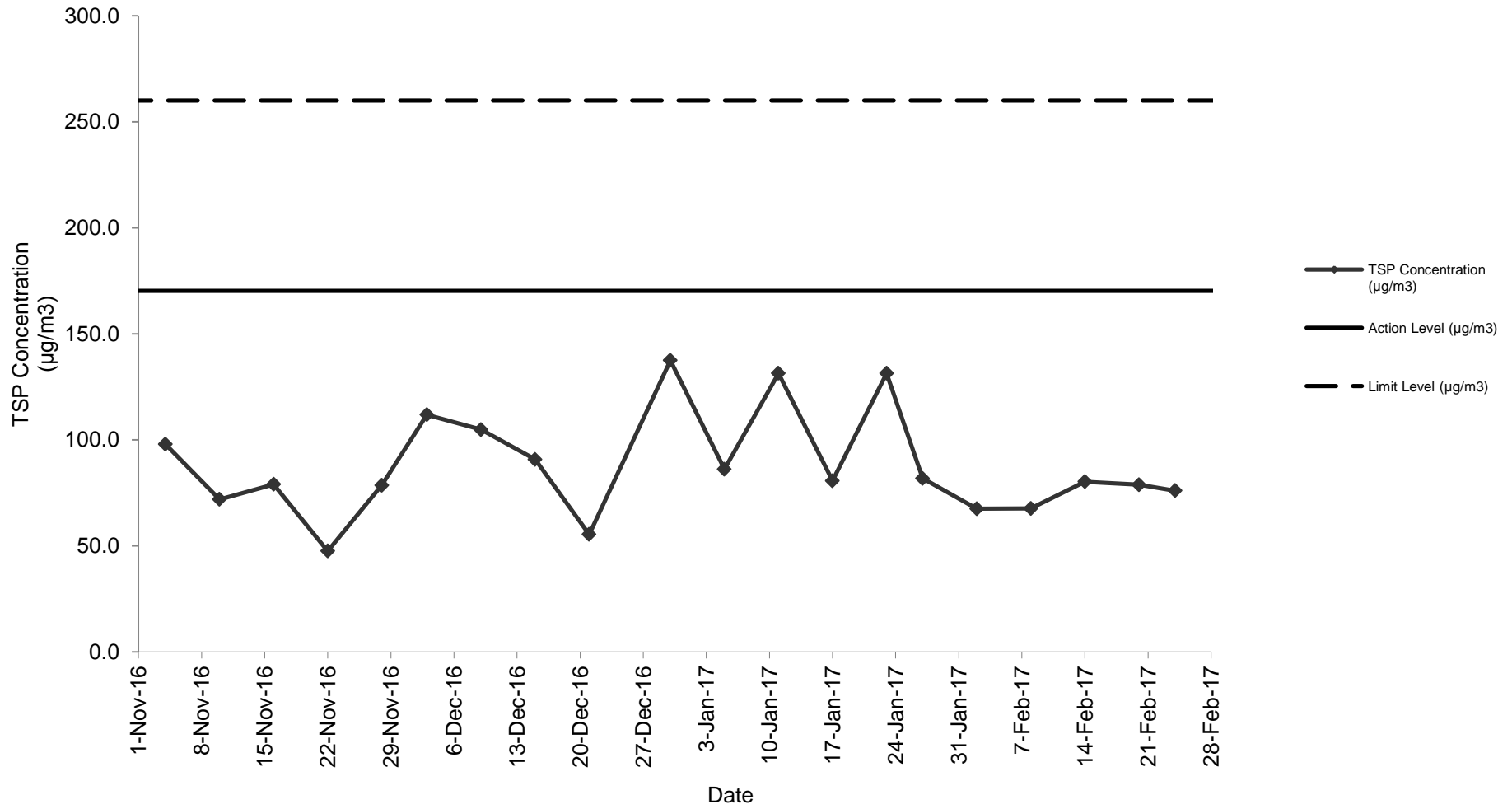
Sampling Date	Weather Condition	Starting Time	Paper No.	Wt. of paper (g)			Elapse Time			Flow Rate (CFM)			Flow Rate (m <sup>3</sup> /min)			Total Volume (m <sup>3</sup> )	TSP Concentration (µg/m <sup>3</sup> )	Action Level (µg/m <sup>3</sup> )	Limit Level (µg/m <sup>3</sup> )	Wind speed m/s	Wind direction
				Initial Wt.	Final Wt.	Wt. of Dust	Initial	Final	Sampling Hour	Initial	Final	Avg Flow Rate	Initial	Final	Avg Flow Rate						
2-Feb-17	Fine	12:11	CC6	2.8670	3.0074	0.1404	5980.67	6004.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	67.5	170.3	260.0	<5	N
8-Feb-17	Fine	12:11	CC8	2.8619	3.0026	0.1407	6007.67	6031.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	67.7	170.3	260.0	<5	N
14-Feb-17	Sunny	12:11	CC10	2.8398	3.0067	0.1669	6034.67	6058.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	80.3	170.3	260.0	<5	N
20-Feb-17	Sunny	12:10	CC12	2.8563	3.0202	0.1639	6061.67	6085.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	78.8	170.3	260.0	<5	N
24-Feb-17	Cloudy	12:09	CC14	2.8631	3.0212	0.1581	6088.67	6112.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	76.0	170.3	260.0	<5	N
																<b>Average</b>	74.1				
																<b>Min</b>	67.5				
																<b>Max</b>	80.3				

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 2016 - February 2017)



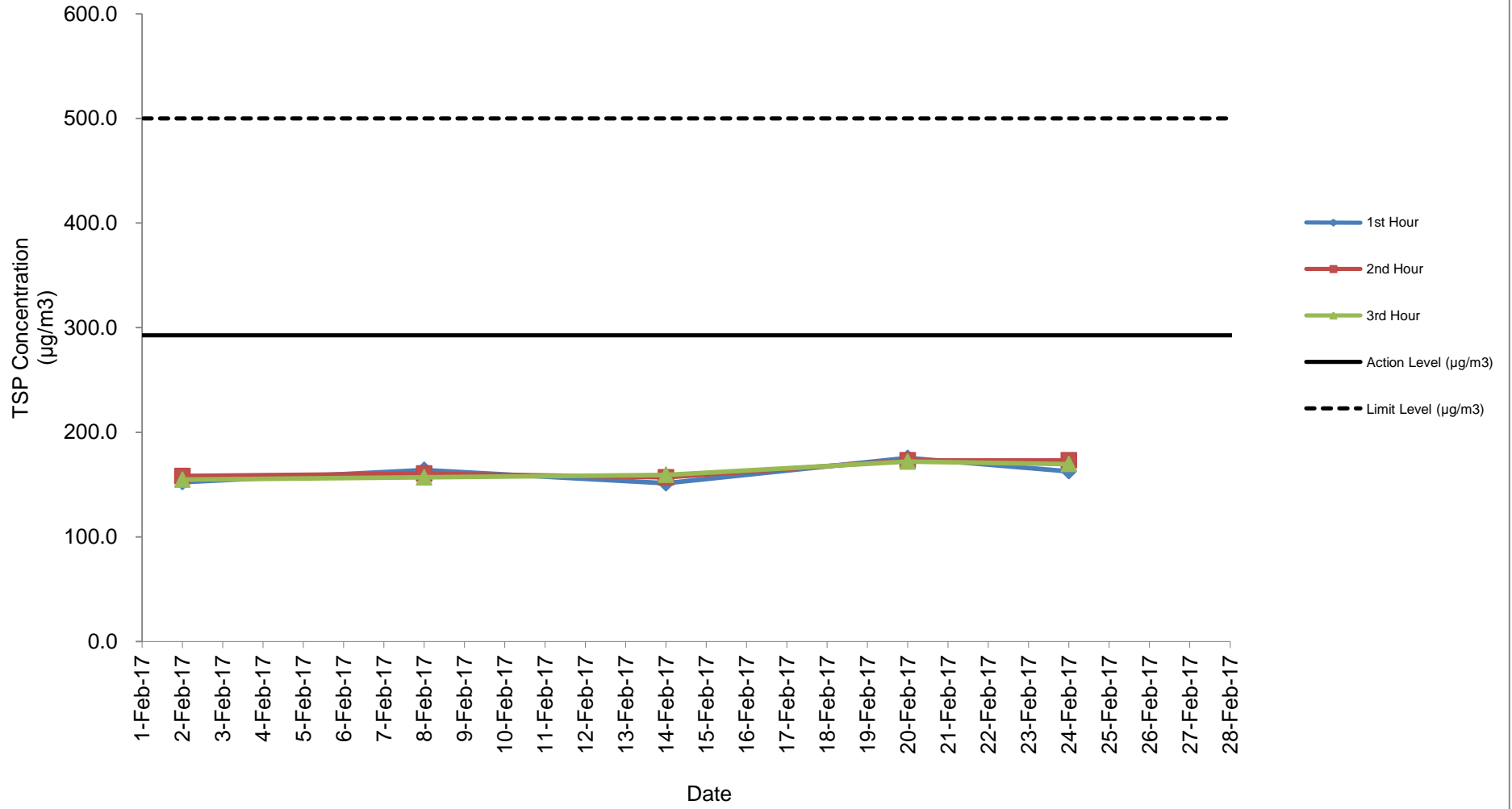
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Air Quality Monitoring Results and their Graphical Presentation

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 <sup>3</sup> /min)			Total Volume (m <sup>3</sup> )	TSP Concentration (µg/m <sup>3</sup> )	Action Level (µg/m3)	Limit Level (µg/m3)	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						
2-Feb-17	Fine	09:00	CC7A	2.8802	2.8934	0.0132	5977.67	5978.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	152.3	292.7	500.0	<5	N
	Fine	10:03	CC7B	2.8690	2.8827	0.0137	5978.67	5979.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	158.1	292.7	500.0	<5	N
	Fine	11:09	CC7C	2.8684	2.8818	0.0134	5979.67	5980.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	154.6	292.7	500.0	<5	N
8-Feb-17	Fine	09:00	CC9A	2.8547	2.8689	0.0142	6004.67	6005.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	163.9	292.7	500.0	<5	N
	Fine	10:03	CC9B	2.8529	2.8668	0.0139	6005.67	6006.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	160.4	292.7	500.0	<5	N
	Fine	11:06	CC9C	2.8551	2.8687	0.0136	6006.67	6007.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	157.0	292.7	500.0	<5	N
14-Feb-17	Sunny	09:00	CC11A	2.8835	2.8966	0.0131	6031.67	6032.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	151.2	292.7	500.0	<5	N
	Sunny	10:03	CC11B	2.8791	2.8927	0.0136	6032.67	6033.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	157.0	292.7	500.0	<5	N
20-Feb-17	Sunny	11:07	CC11C	2.8799	2.8937	0.0138	6033.67	6034.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	159.3	292.7	500.0	<5	N
	Sunny	09:00	CC13A	2.8402	2.8554	0.0152	6058.67	6059.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	175.4	292.7	500.0	<5	N
	Sunny	10:03	CC13B	2.8501	2.8651	0.0150	6059.67	6060.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	173.1	292.7	500.0	<5	N
24-Feb-17	Sunny	11:06	CC13C	2.8469	2.8618	0.0149	6060.67	6061.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	172.0	292.7	500.0	<5	N
	Cloudy	09:00	CC15A	2.8644	2.8785	0.0141	6085.67	6086.67	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	CC15B	2.8588	2.8738	0.0150	6086.67	6087.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	173.1	292.7	500.0	<5	N
	Cloudy	11:06	CC15C	2.8616	2.8763	0.0147	6087.67	6088.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	169.6	292.7	500.0	<5	N
																<b>Average</b>	162.6				
																<b>Min</b>	151.2				
																<b>Max</b>	175.4				

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 2016 - February 2017)

