

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

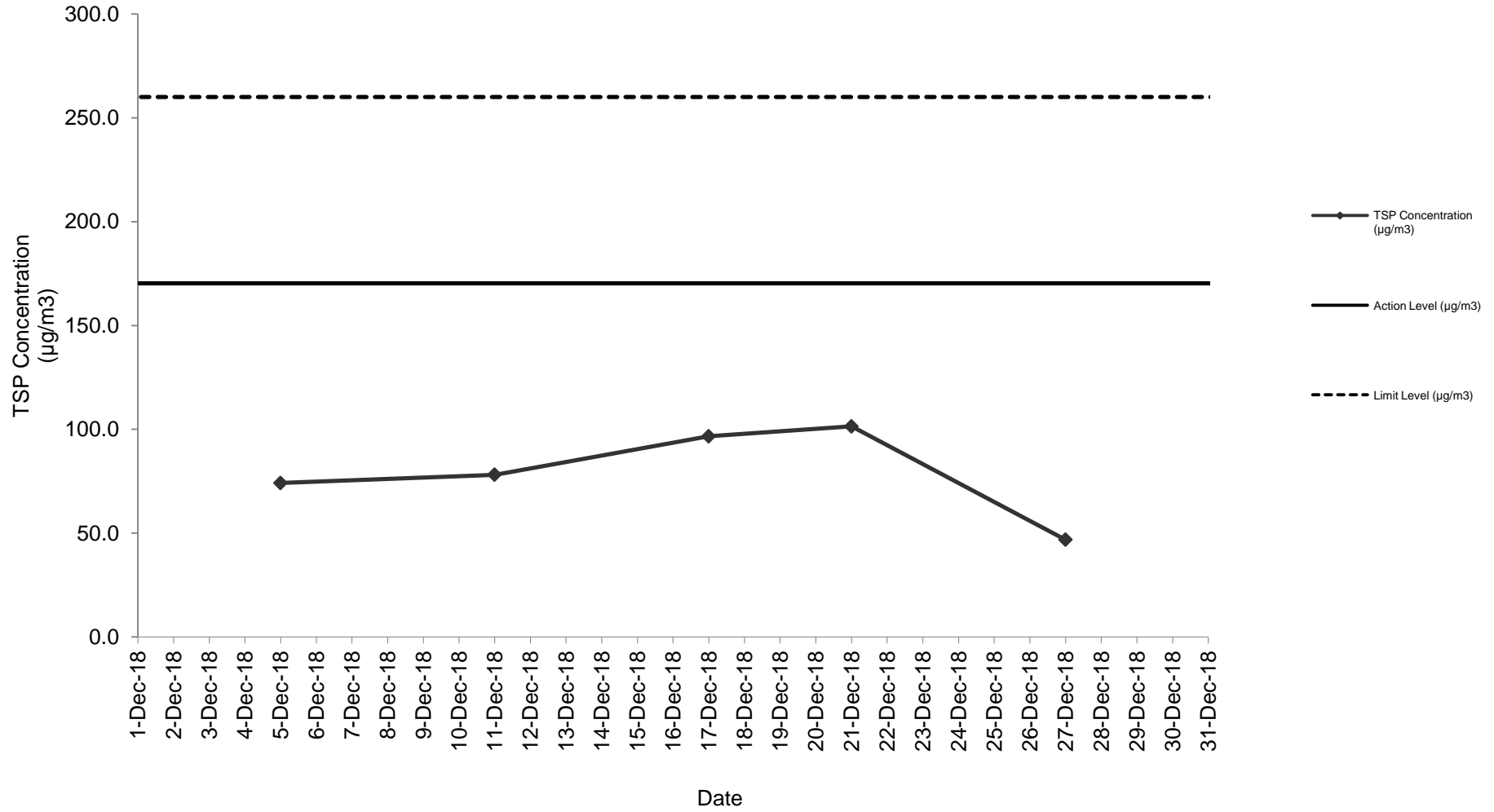
Appendix F  
Air Quality Monitoring Results and their Graphical Presentation

24-Hour TSP Monitoring Result at Station: SR77

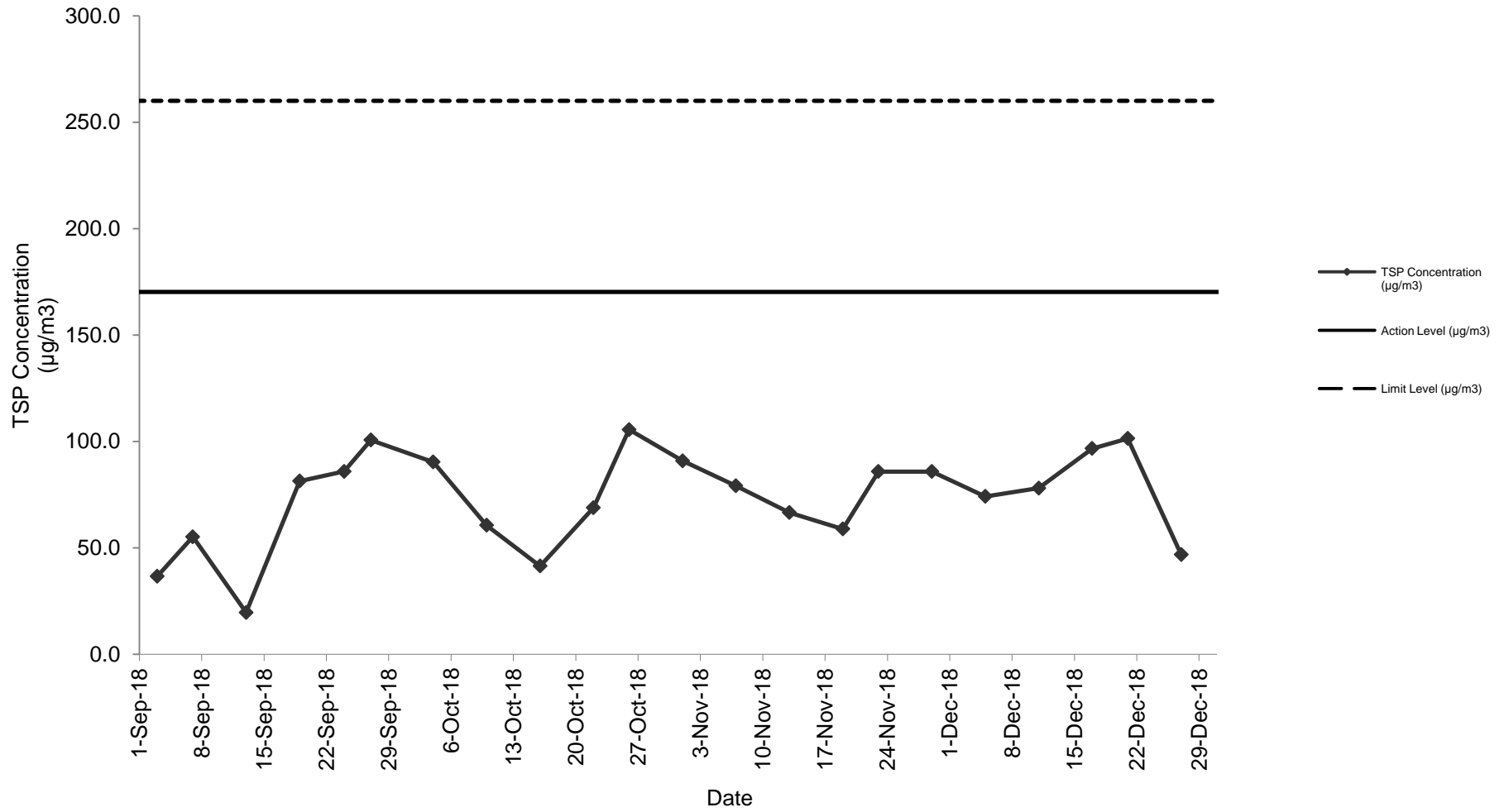
Sampling Date	Weather Condition	Starting Time	Paper No.	Wt. of paper (g)			Elapse Time			Flow Rate (CFM)			Flow Rate (m <sup>3</sup> /min)			Total Volume (m <sup>3</sup> )	TSP Concentration (µg/m <sup>3</sup> )	Action Level (µg/m <sup>3</sup> )	Limit Level (µg/m <sup>3</sup> )	Wind speed m/s	Wind direction	NOE	IR
				Initial Wt.	Final Wt.	Wt. of Dust	Initial	Final	Sampling Hour	Initial	Final	Avg Flow Rate	Initial	Final	Avg Flow Rate								
5-Dec-18	Cloudy	12:11	C204	2.6714	2.8256	0.1542	9279.67	9303.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	74.1	170.3	260.0	<5	N		
11-Dec-18	Fine	12:13	C206	2.6795	2.8419	0.1624	9306.67	9330.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	78.1	170.3	260.0	<5	N		
17-Dec-18	Sunny	12:13	C208	2.6394	2.8404	0.2010	9333.67	9357.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	96.7	170.3	260.0	<5	N		
21-Dec-18	Fine	12:13	C210	2.6220	2.8329	0.2109	9360.67	9384.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	101.4	170.3	260.0	<5	N		
27-Dec-18	Fine	12:13	C212	2.6751	2.7724	0.0973	9387.67	9411.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	46.8	170.3	260.0	<5	N		
																<b>Average</b>	79.4						
																<b>Min</b>	46.8						
																<b>Max</b>	101.4						

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

### 24-Hour TSP Monitoring Result at Station: SR77



### 24-Hour TSP Monitoring Result at Station: SR77 (September 2018 - December 2018)



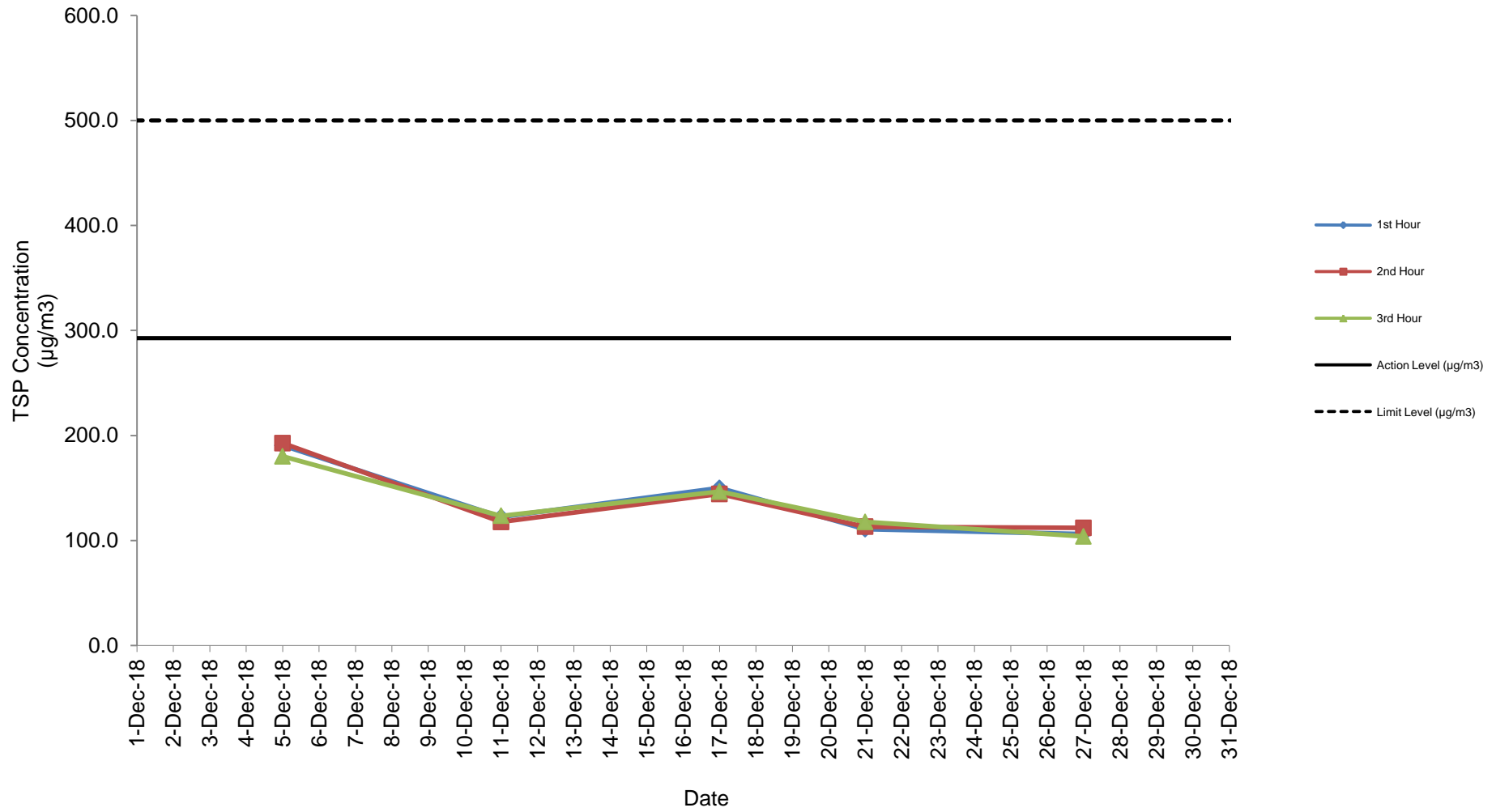
Appendix F  
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Detailed Calculation of 1-Hour TSP Monitoring Result at Station: SR77

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/m <sup>3</sup> )	Limit Level (µg/m <sup>3</sup> )	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								
5-Dec-18	Cloudy	09:00	C205A	2.6616	2.6781	0.0165	9276.67	9277.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	190.4	292.7	500.0	<5	N		
	Cloudy	10:04	C205B	2.6704	2.6871	0.0167	9277.67	9278.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	192.7	292.7	500.0	<5	N		
11-Dec-18	Cloudy	11:08	C205C	2.6379	2.6535	0.0156	9278.67	9279.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	180.0	292.7	500.0	<5	N		
	Fine	09:00	C207A	2.6695	2.6801	0.0106	9303.67	9304.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	122.3	292.7	500.0	<5	N		
	Fine	10:03	C207B	2.6801	2.6903	0.0102	9304.67	9305.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	117.7	292.7	500.0	<5	N		
	Fine	11:07	C207C	2.6494	2.6601	0.0107	9305.67	9306.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	123.5	292.7	500.0	<5	N		
17-Dec-18	Sunny	09:00	C209A	2.6441	2.6571	0.0130	9330.67	9331.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	150.0	292.7	500.0	<5	N		
	Sunny	10:04	C209B	2.6594	2.6719	0.0125	9331.67	9332.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	144.3	292.7	500.0	<5	N		
	Sunny	11:08	C209C	2.6717	2.6844	0.0127	9332.67	9333.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	146.6	292.7	500.0	<5	N		
	Fine	09:00	C211A	2.6841	2.6937	0.0096	9357.67	9358.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	110.8	292.7	500.0	<5	N		
	Fine	10:03	C211B	2.6887	2.6985	0.0098	9358.67	9359.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	113.1	292.7	500.0	<5	N		
	Fine	11:07	C211C	2.6679	2.6781	0.0102	9359.67	9360.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	117.7	292.7	500.0	<5	N		
27-Dec-18	Fine	09:00	C213A	2.6739	2.6831	0.0092	9384.67	9385.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	106.2	292.7	500.0	<5	N		
	Fine	10:04	C213B	2.6712	2.6809	0.0097	9385.67	9386.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	111.9	292.7	500.0	<5	N		
	Fine	11:08	C213C	2.6497	2.6587	0.0090	9386.67	9387.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	103.9	292.7	500.0	<5	N		
																<b>Average</b>	135.4						
																<b>Min</b>	103.9						
																<b>Max</b>	192.7						

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 (September 2018 - December 2018)

