

# **Appendix F**

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

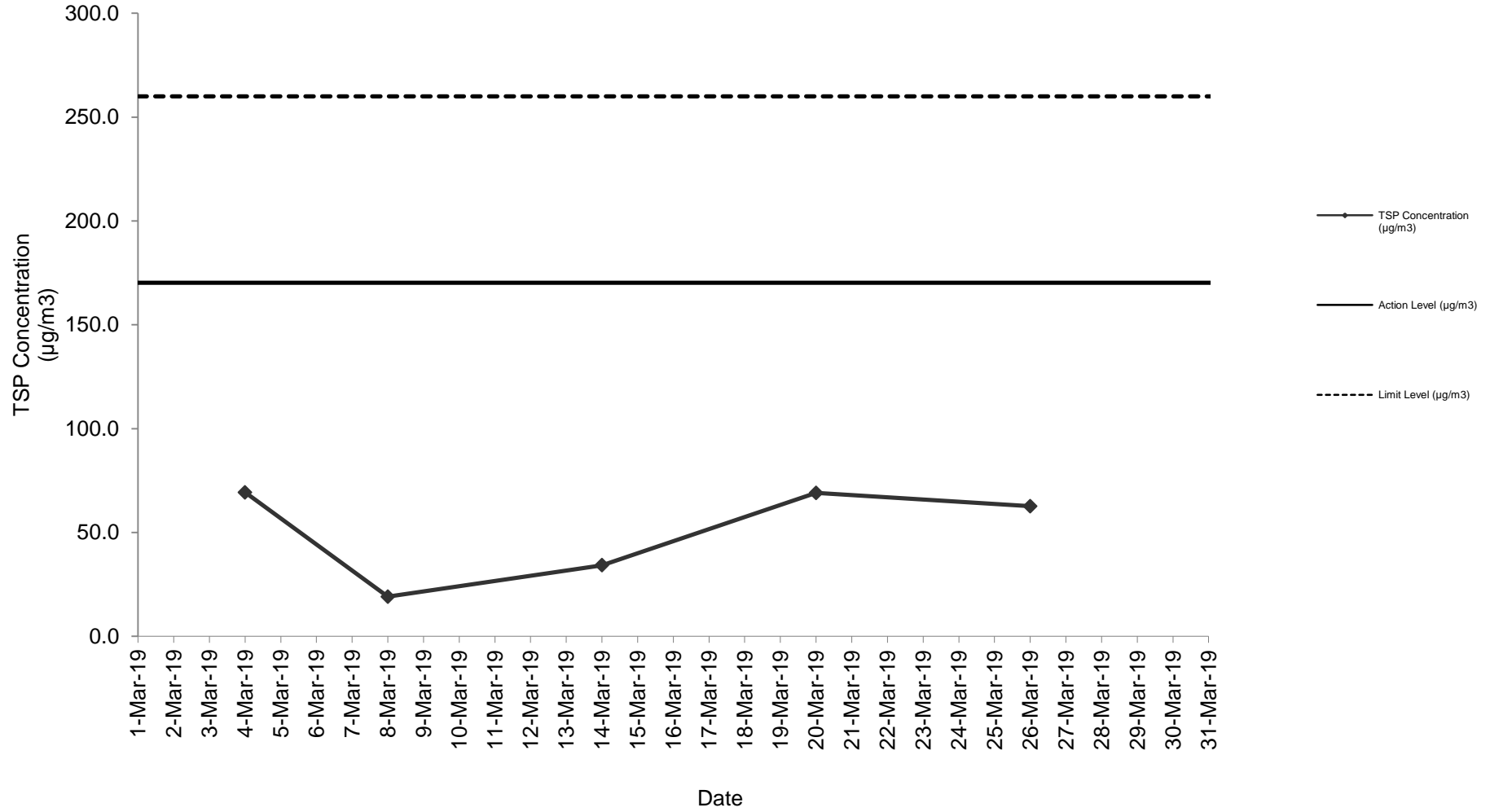
Appendix F  
Air Quality Monitoring Results and their Graphical Presentation

24-Hour TSP Monitoring Result at Station: SR77

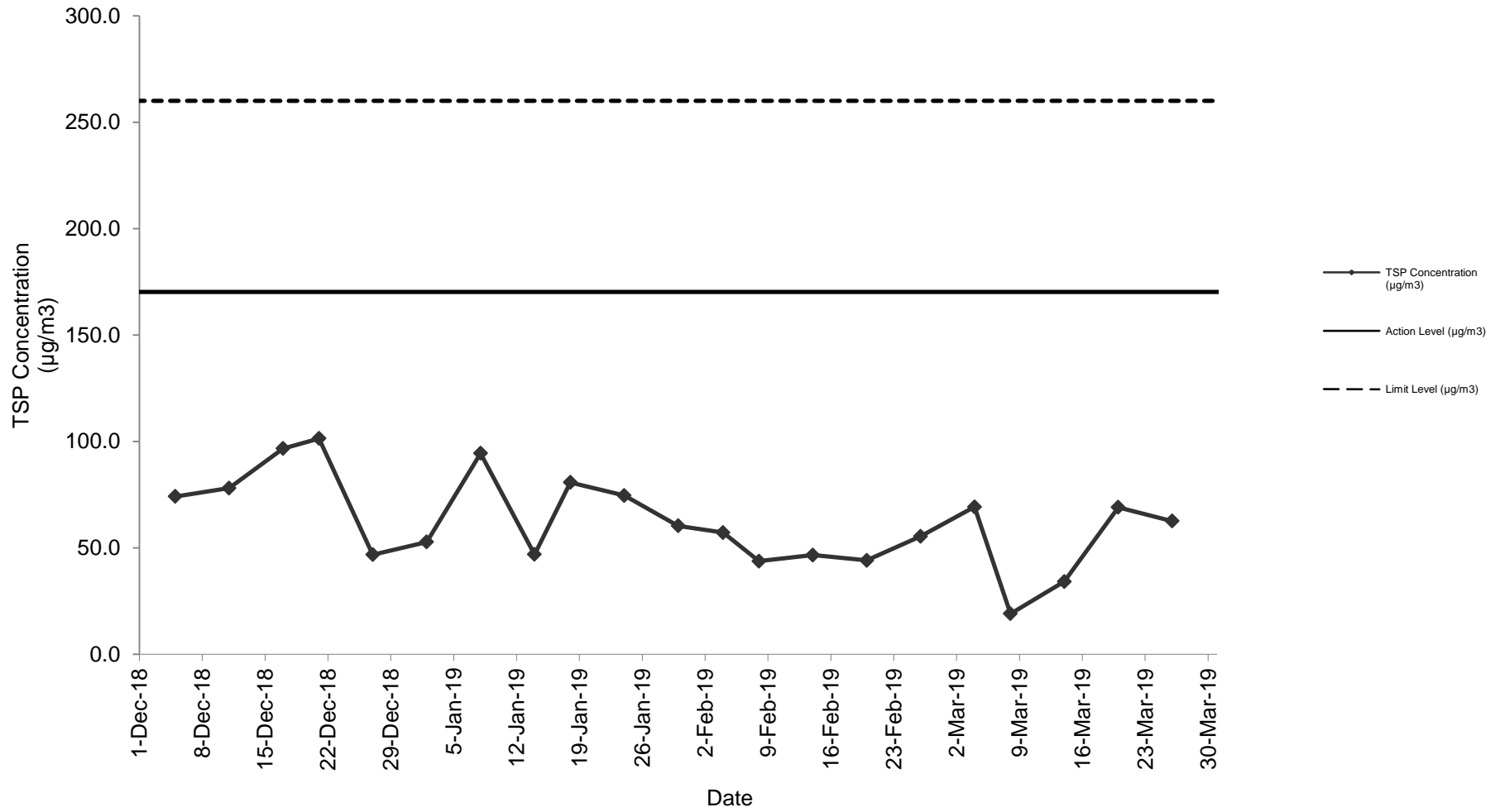
Sampling Date	Weather Condition	Starting Time	Paper No.	Wt. of paper (g)			Elapse Time			Flow Rate (CFM)			Flow Rate (m <sup>3</sup> /min)			Total Volume (m <sup>3</sup> )	TSP Concentration (µg/m <sup>3</sup> )	Action Level (µg/m <sup>3</sup> )	Limit Level (µg/m <sup>3</sup> )	Wind speed m/s	Wind direction	NOE	IR
				Initial Wt.	Final Wt.	Wt. of Dust	Initial	Final	Sampling Hour	Initial	Final	Avg Flow Rate	Initial	Final	Avg Flow Rate								
4-Mar-19	Cloudy	12:11	C236	2.6007	2.7448	0.1441	9711.67	9735.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	69.3	170.3	260.0	<5	N		
8-Mar-19	Rainy	12:13	C238	2.6697	2.7094	0.0397	9738.67	9762.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	19.1	170.3	260.0	<5	N		
14-Mar-19	Cloudy	12:10	C240	2.6598	2.7309	0.0711	9765.67	9789.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	34.2	170.3	260.0	<5	N		
20-Mar-19	Cloudy	12:13	C242	2.6488	2.7924	0.1436	9792.67	9816.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	69.1	170.3	260.0	<5	N		
26-Mar-19	Cloudy	12:10	C244	2.6508	2.7809	0.1301	9819.67	9843.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	62.6	170.3	260.0	<5	N		
																	<b>Average</b>	50.8					
																	<b>Min</b>	19.1					
																	<b>Max</b>	69.3					

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 (December 2018 - March 2019)



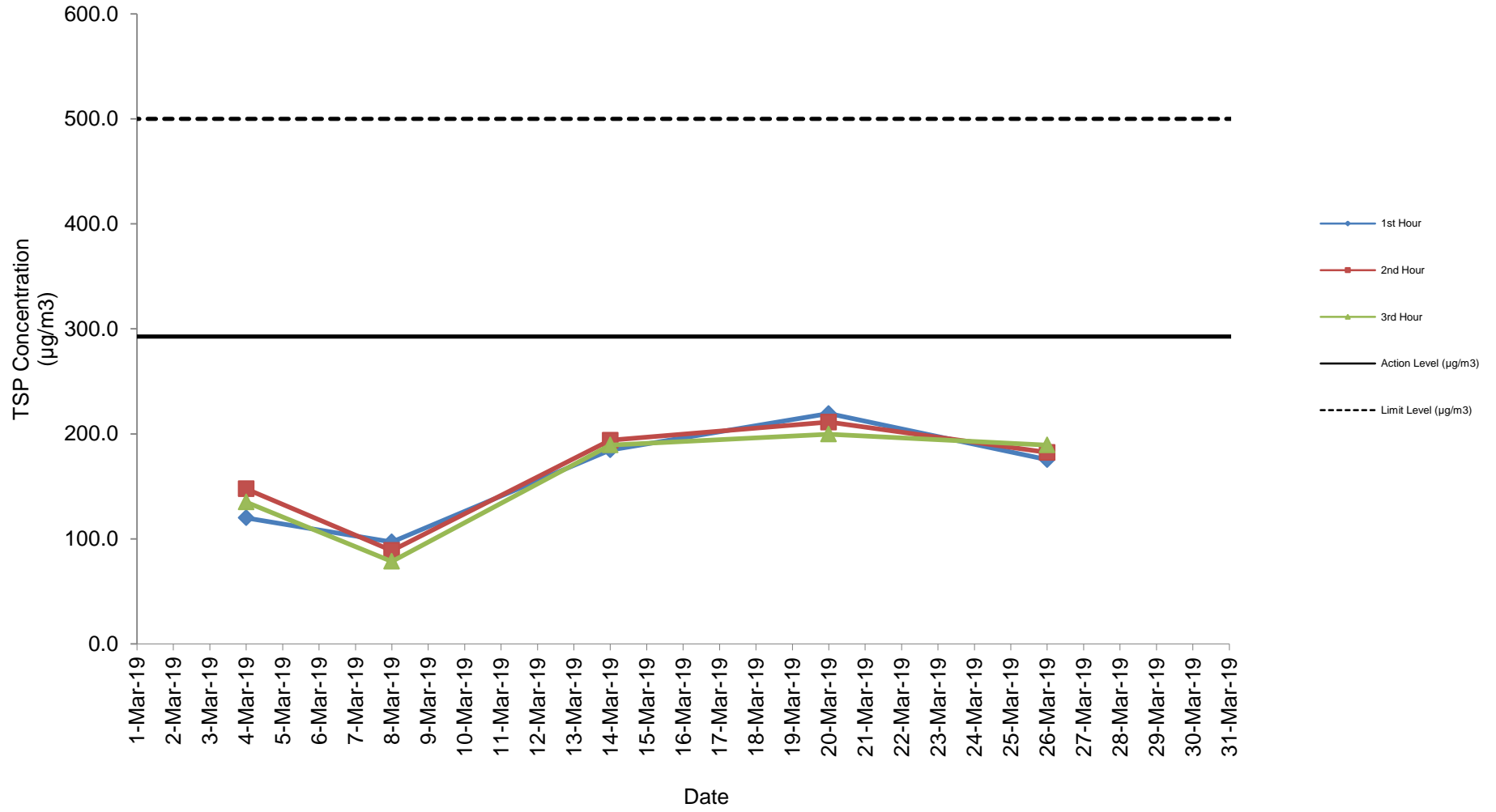
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Detailed Calculation of 1-Hour TSP Monitoring Result at Station: SR77

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								
4-Mar-19	Cloudy	09:00	C237A	2.6628	2.6732	0.0104	9708.67	9709.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	120.0	292.7	500.0	<5	N		
	Cloudy	10:04	C237B	2.6483	2.6611	0.0128	9709.67	9710.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	147.7	292.7	500.0	<5	N		
8-Mar-19	Cloudy	11:08	C237C	2.6591	2.6708	0.0117	9710.67	9711.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	135.0	292.7	500.0	<5	N		
	Rainy	09:00	C239A	2.6587	2.6671	0.0084	9735.67	9736.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	96.9	292.7	500.0	<5	N		
	Rainy	10:03	C239B	2.6517	2.6594	0.0077	9736.67	9737.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	88.9	292.7	500.0	<5	N		
	Rainy	11:08	C239C	2.6693	2.6761	0.0068	9737.67	9738.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	78.5	292.7	500.0	<5	N		
14-Mar-19	Cloudy	09:00	C241A	2.6538	2.6698	0.0160	9762.67	9763.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	184.7	292.7	500.0	<5	N		
	Cloudy	10:04	C241B	2.6673	2.6841	0.0168	9763.67	9764.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	193.9	292.7	500.0	<5	N		
	Cloudy	11:08	C241C	2.6589	2.6753	0.0164	9764.67	9765.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	189.3	292.7	500.0	<5	N		
	Cloudy	09:00	C243A	2.6509	2.6699	0.0190	9789.67	9790.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	219.3	292.7	500.0	<5	N		
20-Mar-19	Cloudy	10:04	C243B	2.6449	2.6632	0.0183	9790.67	9791.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	211.2	292.7	500.0	<5	N		
	Cloudy	11:08	C243C	2.6551	2.6724	0.0173	9791.67	9792.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	199.7	292.7	500.0	<5	N		
26-Mar-19	Cloudy	09:00	C245A	2.6507	2.6659	0.0152	9816.67	9817.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	175.4	292.7	500.0	<5	N		
	Cloudy	10:04	C245B	2.6614	2.6772	0.0158	9817.67	9818.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	182.3	292.7	500.0	<5	N		
	Cloudy	11:08	C245C	2.6697	2.6861	0.0164	9818.67	9819.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	189.3	292.7	500.0	<5	N		
																<b>Average</b>	160.8						
																<b>Min</b>	78.5						
																<b>Max</b>	219.3						

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

### 1-Hour TSP Monitoring Result at station: SR77



### 1-Hour TSP Monitoring Result at station: SR77 (December 2018 - March 2019)

