

# **Appendix F**

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

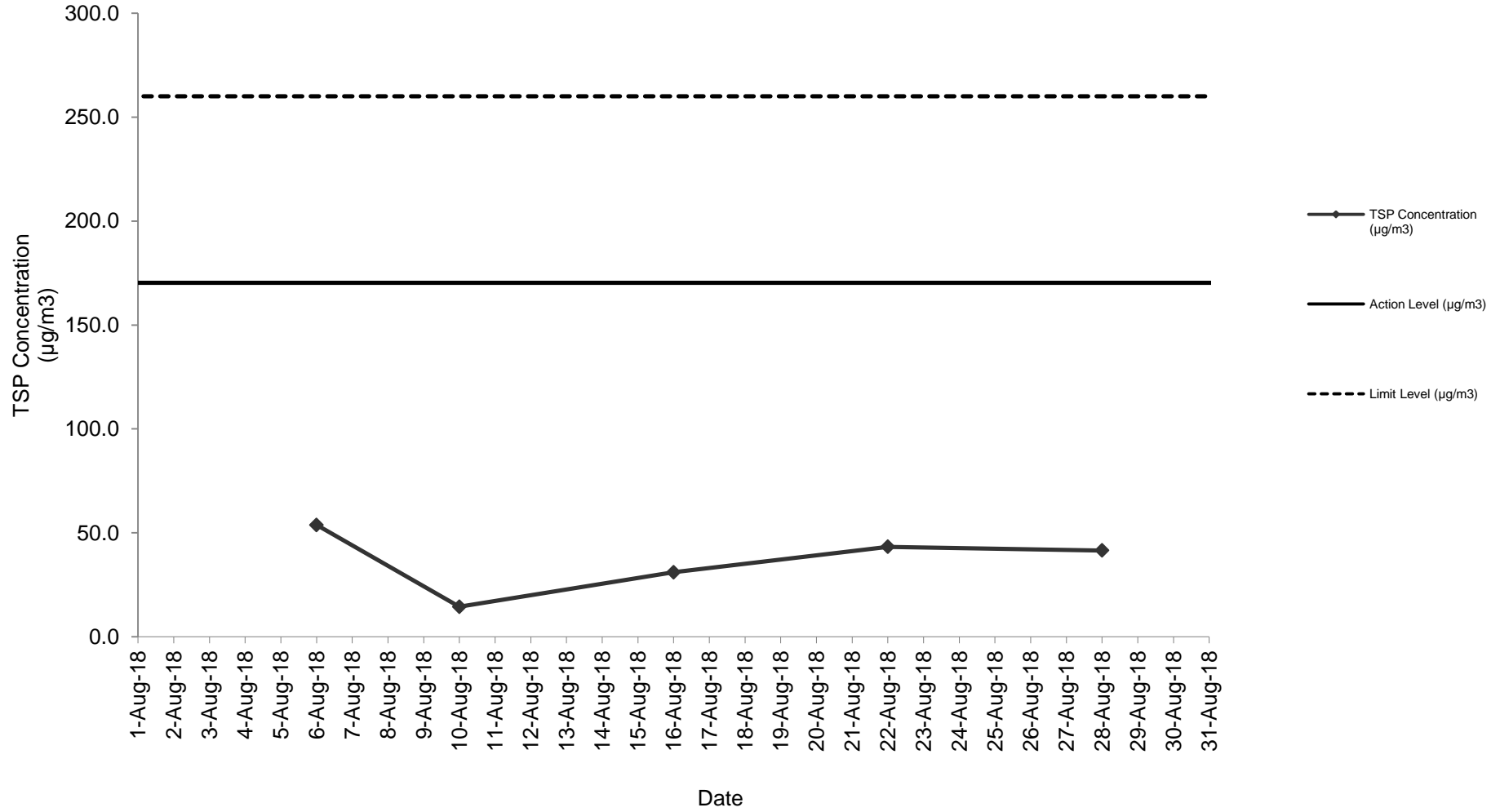
Appendix F  
Air Quality Monitoring Results and their Graphical Presentation

24-Hour TSP Monitoring Result at Station: SR77

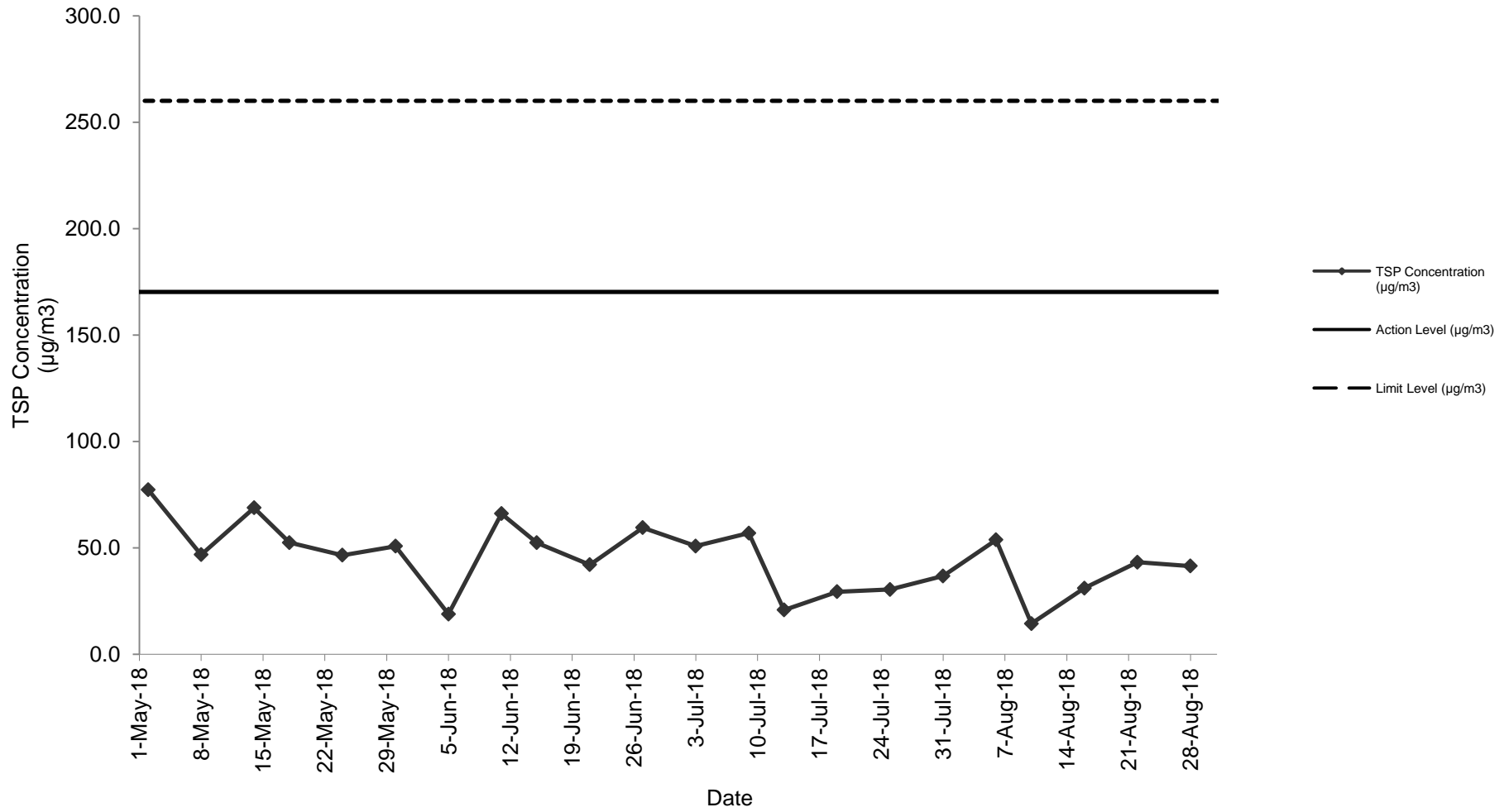
Sampling Date	Weather Condition	Starting Time	Paper No.	Wt. of paper (g)			Elapse Time			Flow Rate (CFM)			Flow Rate (m <sup>3</sup> /min)			Total Volume (m <sup>3</sup> )	TSP Concentration (µg/m <sup>3</sup> )	Action Level (µg/m <sup>3</sup> )	Limit Level (µg/m <sup>3</sup> )	Wind speed m/s	Wind direction	NOE	IR
				Initial Wt.	Final Wt.	Wt. of Dust	Initial	Final	Sampling Hour	Initial	Final	Avg Flow Rate	Initial	Final	Avg Flow Rate								
6-Aug-18	Cloudy	12:11	C160	2.8146	2.9265	0.1119	8685.67	8709.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	53.8	170.3	260.0	<5	N		
10-Aug-18	Rainy	12:12	C162	2.8018	2.8318	0.0300	8712.67	8736.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	14.4	170.3	260.0	<5	N		
16-Aug-18	Rainy	12:14	C164	2.8286	2.8932	0.0646	8739.67	8763.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	31.1	170.3	260.0	<5	N		
22-Aug-18	Cloudy	12:12	C166	2.8124	2.9024	0.0900	8766.67	8790.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	43.3	170.3	260.0	<5	N		
28-Aug-18	Cloudy	12:13	C168	2.8149	2.9012	0.0863	8793.67	8817.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	41.5	170.3	260.0	<5	N		
																<b>Average</b>	36.8						
																<b>Min</b>	14.4						
																<b>Max</b>	53.8						

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 (May 2018 - August 2018)



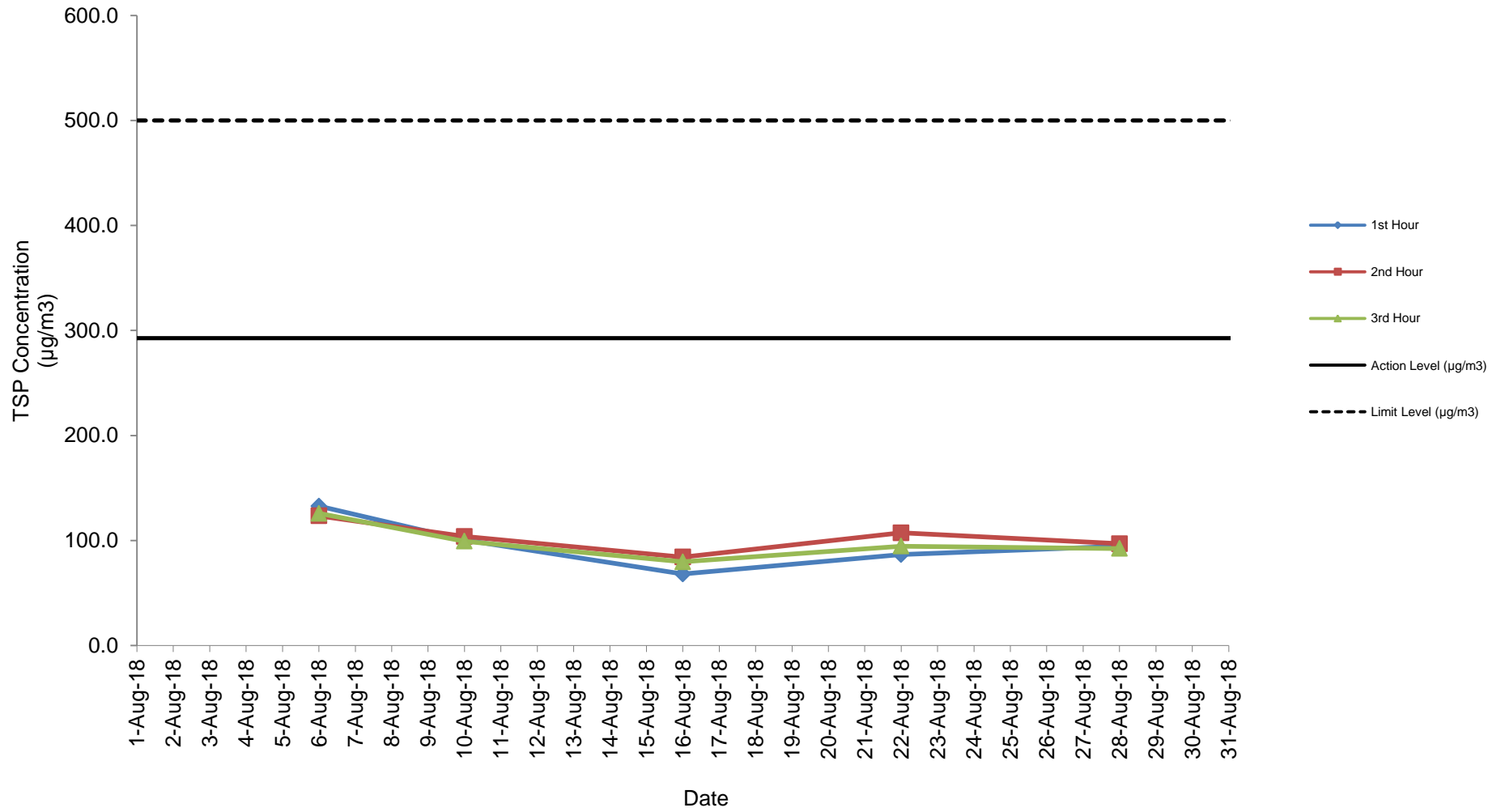
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Detailed Calculation of 1-Hour TSP Monitoring Result at Station: SR77

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								
6-Aug-18	Cloudy	09:00	C161A	2.8179	2.8294	0.0115	8520.67	8521.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	132.7	292.7	500.0	<5	N		
	Cloudy	10:04	C161B	2.8084	2.8191	0.0107	8521.67	8522.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	123.5	292.7	500.0	<5	N		
10-Aug-18	Cloudy	11:08	C161C	2.8218	2.8327	0.0109	8522.67	8523.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	125.8	292.7	500.0	<5	N		
	Rainy	09:00	C163A	2.8236	2.8323	0.0087	8547.67	8548.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	100.4	292.7	500.0	<5	N		
16-Aug-18	Rainy	10:03	C163B	2.8214	2.8304	0.0090	8548.67	8549.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	103.9	292.7	500.0	<5	N		
	Rainy	11:08	C163C	2.8198	2.8284	0.0086	8549.67	8550.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	99.3	292.7	500.0	<5	N		
	Rainy	09:00	C165A	2.8245	2.8304	0.0059	8574.67	8575.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	68.1	292.7	500.0	<5	N		
22-Aug-18	Rainy	10:04	C165B	2.8118	2.8191	0.0073	8575.67	8576.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	84.2	292.7	500.0	<5	N		
	Rainy	11:11	C165C	2.8212	2.8281	0.0069	8576.67	8577.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	79.6	292.7	500.0	<5	N		
	Cloudy	09:00	C167A	2.8163	2.8238	0.0075	8763.67	8764.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	86.6	292.7	500.0	<5	N		
28-Aug-18	Cloudy	10:04	C167B	2.8081	2.8174	0.0093	8764.67	8765.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	107.3	292.7	500.0	<5	N		
	Cloudy	11:08	C167C	2.8139	2.8221	0.0082	8765.67	8766.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	94.6	292.7	500.0	<5	N		
	Cloudy	09:00	C169A	2.8217	2.8299	0.0082	8790.67	8791.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	94.6	292.7	500.0	<5	N		
28-Aug-18	Cloudy	10:04	C169B	2.8167	2.8251	0.0084	8791.67	8792.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	96.9	292.7	500.0	<5	N		
	Cloudy	11:11	C169C	2.8141	2.8221	0.0080	8792.67	8793.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	92.3	292.7	500.0	<5	N		
																<b>Average</b>	99.3						
																<b>Min</b>	68.1						
																<b>Max</b>	132.7						

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 (May 2018 - August 2018)

