

# **Appendix F**

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

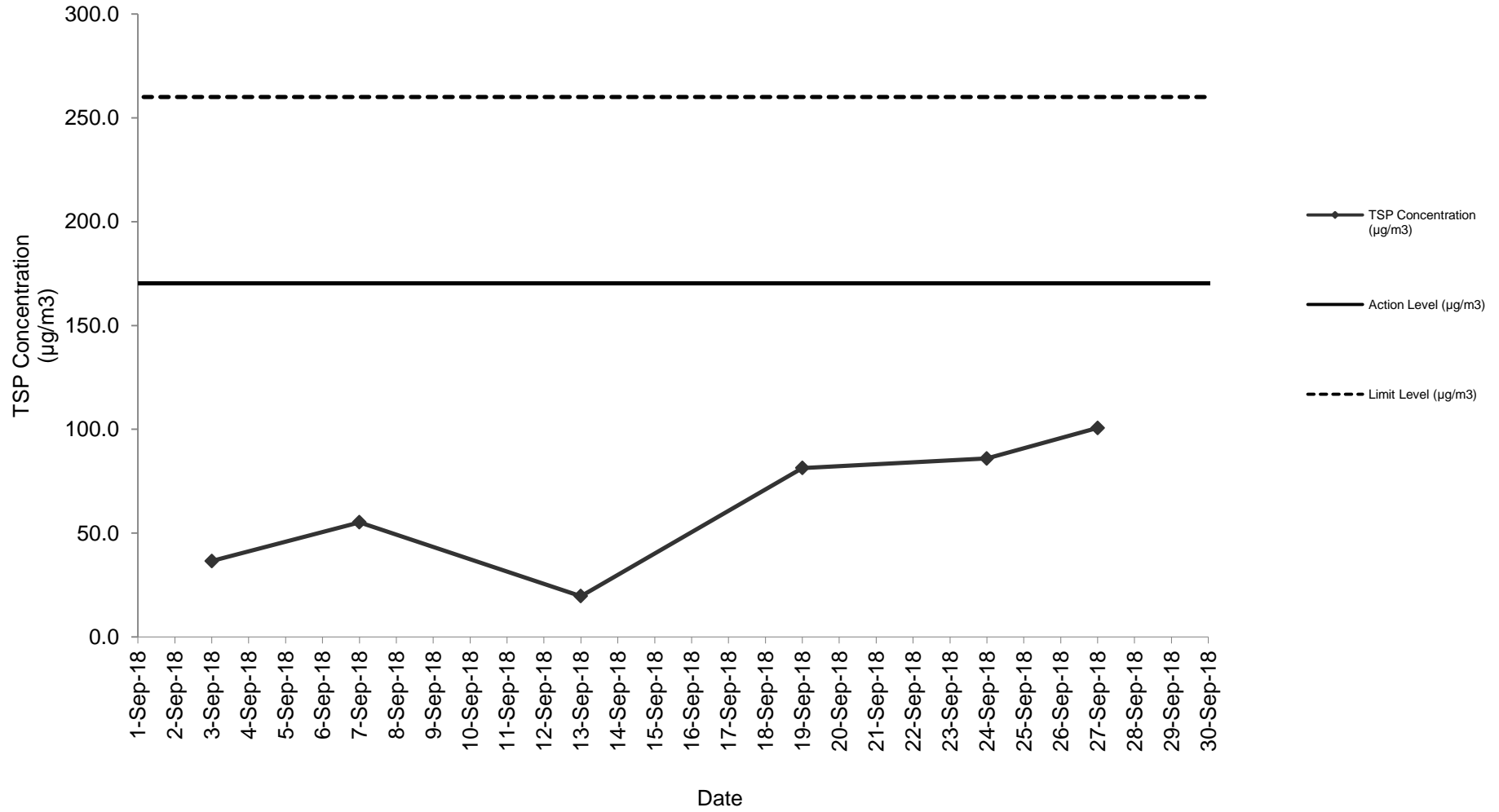
Appendix F  
Air Quality Monitoring Results and their Graphical Presentation

24-Hour TSP Monitoring Result at Station: SR77

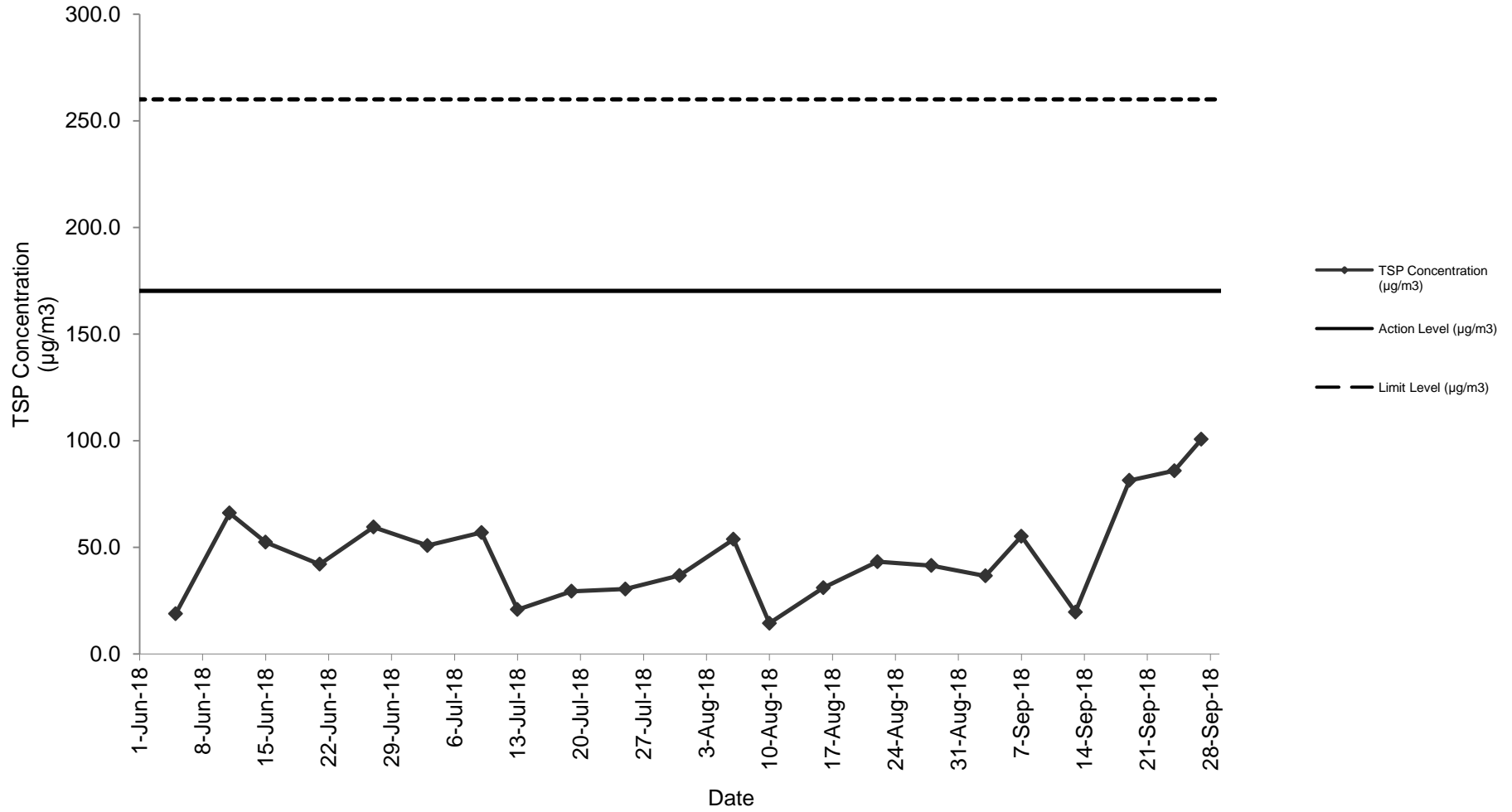
Sampling Date	Weather Condition	Starting Time	Paper No.	Wt. of paper (g)			Elapse Time			Flow Rate (CFM)			Flow Rate (m <sup>3</sup> /min)			Total Volume (m <sup>3</sup> )	TSP Concentration (µg/m <sup>3</sup> )	Action Level (µg/m <sup>3</sup> )	Limit Level (µg/m <sup>3</sup> )	Wind speed m/s	Wind direction	NOE	IR
				Initial Wt.	Final Wt.	Wt. of Dust	Initial	Final	Sampling Hour	Initial	Final	Avg Flow Rate	Initial	Final	Avg Flow Rate								
3-Sep-18	Cloudy	12:11	C170	2.8293	2.9054	0.0761	8820.67	8844.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	36.6	170.3	260.0	<5	N		
7-Sep-18	Fine	12:13	C172	2.8223	2.9371	0.1148	8847.67	8871.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	55.2	170.3	260.0	<5	N		
13-Sep-18	Fine	12:11	C174	2.6738	2.7147	0.0409	8874.67	8898.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	19.7	170.3	260.0	<5	N		
19-Sep-18	Cloudy	12:13	C176	2.6787	2.8479	0.1692	8901.67	8925.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	81.4	170.3	260.0	<5	N		
24-Sep-18	Fine	12:12	C178	2.6814	2.8601	0.1787	8928.67	8952.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	85.9	170.3	260.0	<5	N		
27-Sep-18	Fine	12:12	C180	2.6498	2.8591	0.2093	8955.67	8979.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	100.6	170.3	260.0	<5	N		
																<b>Average</b>	63.2						
																<b>Min</b>	19.7						
																<b>Max</b>	100.6						

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 (June 2018 - September 2018)



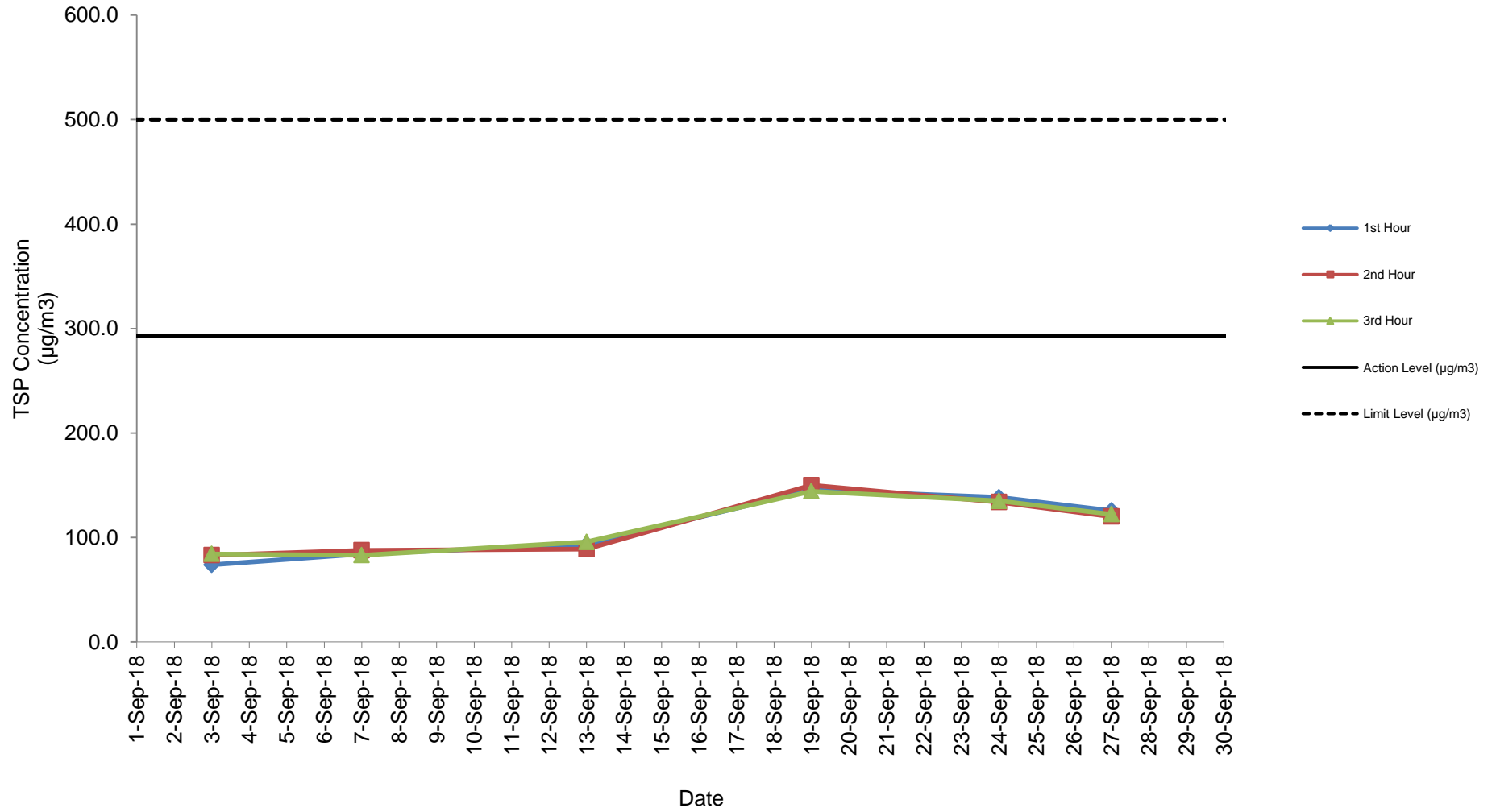
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Air Quality Monitoring Results and their Graphical Presentation

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/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								
3-Sep-18	Cloudy	09:00	C171A	2.8415	2.8479	0.0064	8817.67	8818.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	73.9	292.7	500.0	<5	N		
		10:04	C171B	2.8329	2.8401	0.0072	8818.67	8819.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	83.1	292.7	500.0	<5	N		
7-Sep-18	Cloudy	11:08	C171C	2.8198	2.8271	0.0073	8819.67	8820.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	84.2	292.7	500.0	<5	N		
		09:00	C173A	2.8420	2.8493	0.0073	8844.67	8845.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	84.2	292.7	500.0	<5	N		
13-Sep-18	Fine	10:03	C173B	2.8271	2.8347	0.0076	8845.67	8846.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	87.7	292.7	500.0	<5	N		
		11:08	C173C	2.8369	2.8441	0.0072	8846.67	8847.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	83.1	292.7	500.0	<5	N		
		09:00	C175A	2.6670	2.6751	0.0081	8871.67	8872.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	93.5	292.7	500.0	<5	N		
19-Sep-18	Fine	10:04	C175B	2.6756	2.6833	0.0077	8872.67	8873.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	88.9	292.7	500.0	<5	N		
		11:08	C175C	2.6693	2.6776	0.0083	8873.67	8874.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	95.8	292.7	500.0	<5	N		
		09:00	C177A	2.6853	2.6979	0.0126	8898.67	8899.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	145.4	292.7	500.0	<5	N		
24-Sep-18	Cloudy	10:03	C177B	2.6791	2.6921	0.0130	8899.67	8900.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	150.0	292.7	500.0	<5	N		
		11:07	C177C	2.6884	2.7009	0.0125	8900.67	8901.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	144.3	292.7	500.0	<5	N		
		09:00	C179A	2.6911	2.7031	0.0120	8925.67	8926.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	138.5	292.7	500.0	<5	N		
27-Sep-18	Fine	10:03	C179B	2.6874	2.6990	0.0116	8926.67	8927.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	133.9	292.7	500.0	<5	N		
		11:08	C179C	2.6793	2.6910	0.0117	8927.67	8928.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	135.0	292.7	500.0	<5	N		
		09:00	C181A	2.6688	2.6797	0.0109	8952.67	8953.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	125.8	292.7	500.0	<5	N		
27-Sep-18	Fine	10:03	C181B	2.6187	2.6291	0.0104	8953.67	8954.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	120.0	292.7	500.0	<5	N		
		11:08	C181C	2.6388	2.6494	0.0106	8954.67	8955.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	122.3	292.7	500.0	<5	N		
																<b>Average</b>	110.5						
																<b>Min</b>	73.9						
																<b>Max</b>	150.0						

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 (June 2018 - September 2018)

