

# **Appendix F**

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

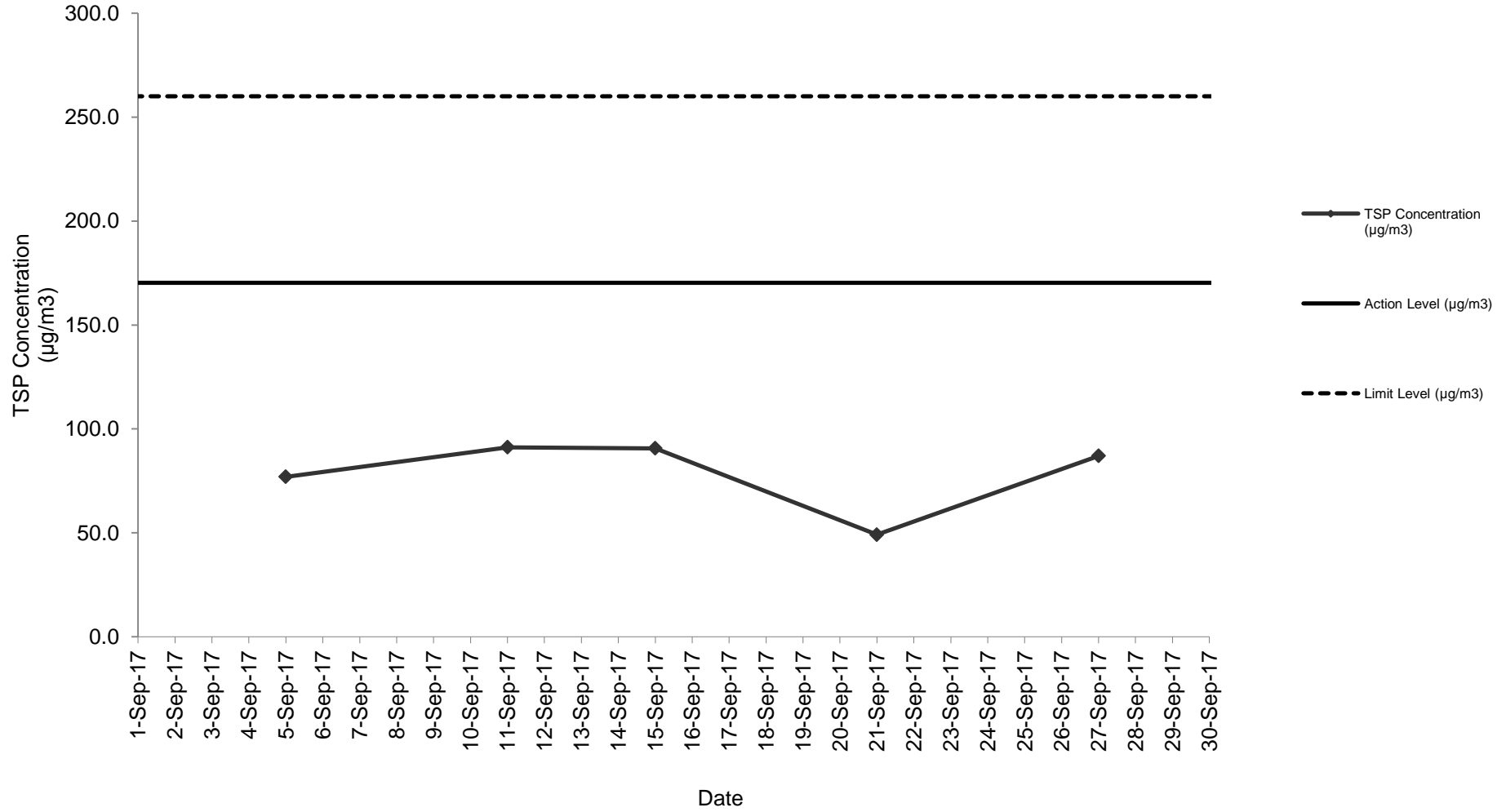
Appendix F  
Air Quality Monitoring Results and their Graphical Presentation

24-Hour TSP Monitoring Result at Station: SR77

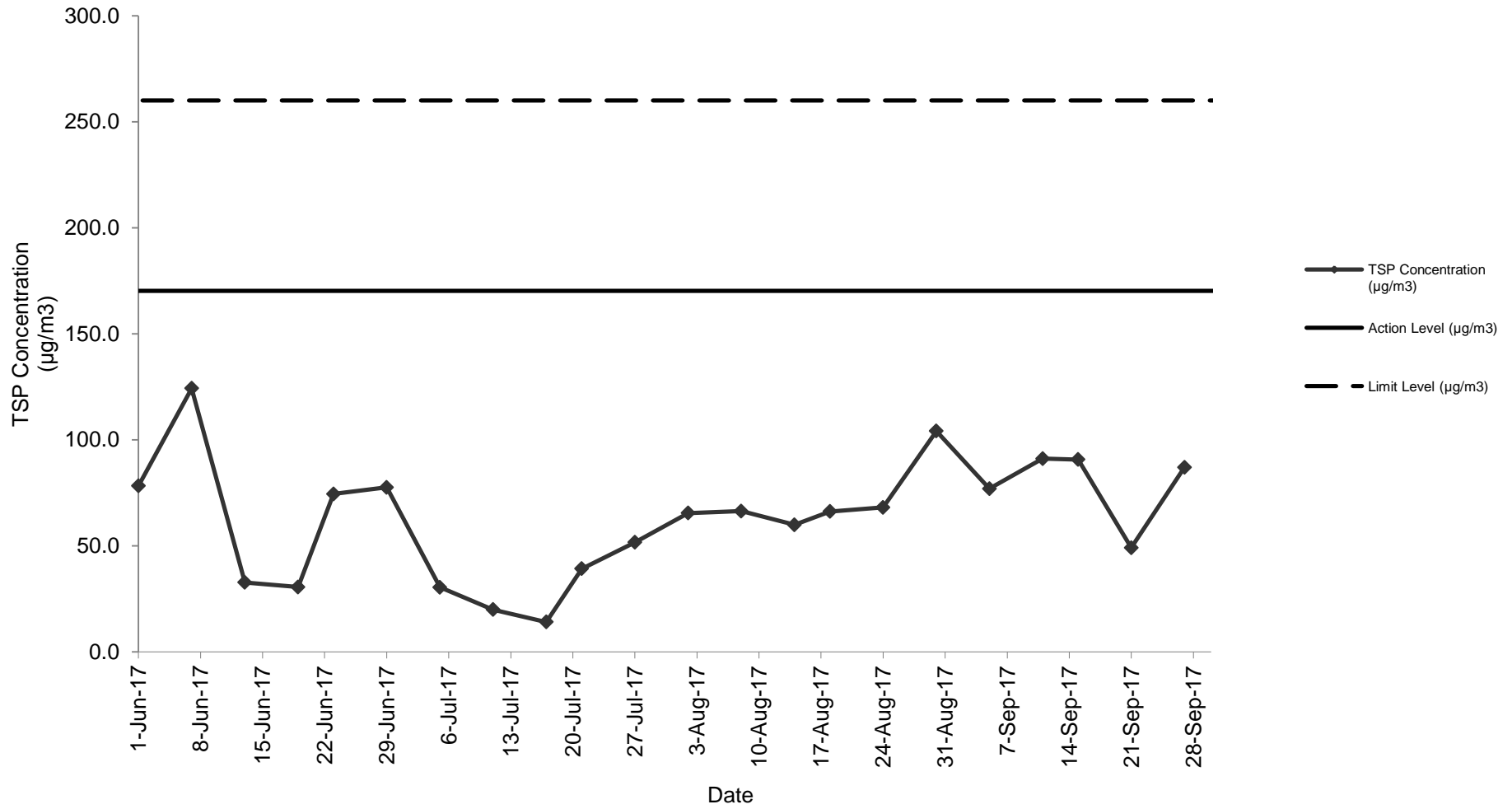
Sampling Date	Weather Condition	Starting Time	Paper No.	Wt. of paper (g)			Elapse Time			Flow Rate (CFM)			Flow Rate (m <sup>3</sup> /min)			Total Volume (m <sup>3</sup> )	TSP Concentration (µg/m <sup>3</sup> )	Action Level (µg/m <sup>3</sup> )	Limit Level (µg/m <sup>3</sup> )	Wind speed m/s	Wind direction	NOE	IR
				Initial Wt.	Final Wt.	Wt. of Dust	Initial	Final	Sampling Hour	Initial	Final	Avg Flow Rate	Initial	Final	Avg Flow Rate								
5-Sep-17	Fine	12:11	CC84	2.8574	3.0175	0.1601	7033.67	7057.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	77.0	170.3	260.0	<5	N		
11-Sep-17	Sunny	12:11	CC86	2.8448	3.0344	0.1896	7060.67	7084.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	91.2	170.3	260.0	<5	N		
15-Sep-17	Fine	12:12	CC88	2.8430	3.0316	0.1886	7087.67	7111.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	90.7	170.3	260.0	<5	N		
21-Sep-17	Fine	12:11	CC90	2.8425	2.9447	0.1022	7114.67	7138.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	49.1	170.3	260.0	<5	N		
27-Sep-17	Fine	12:12	CC92	2.8518	3.0328	0.1810	7141.67	7165.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	87.0	170.3	260.0	<5	N		
																<b>Average</b>	79.0						
																<b>Min</b>	49.1						
																<b>Max</b>	91.2						

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 2017 - September 2017)



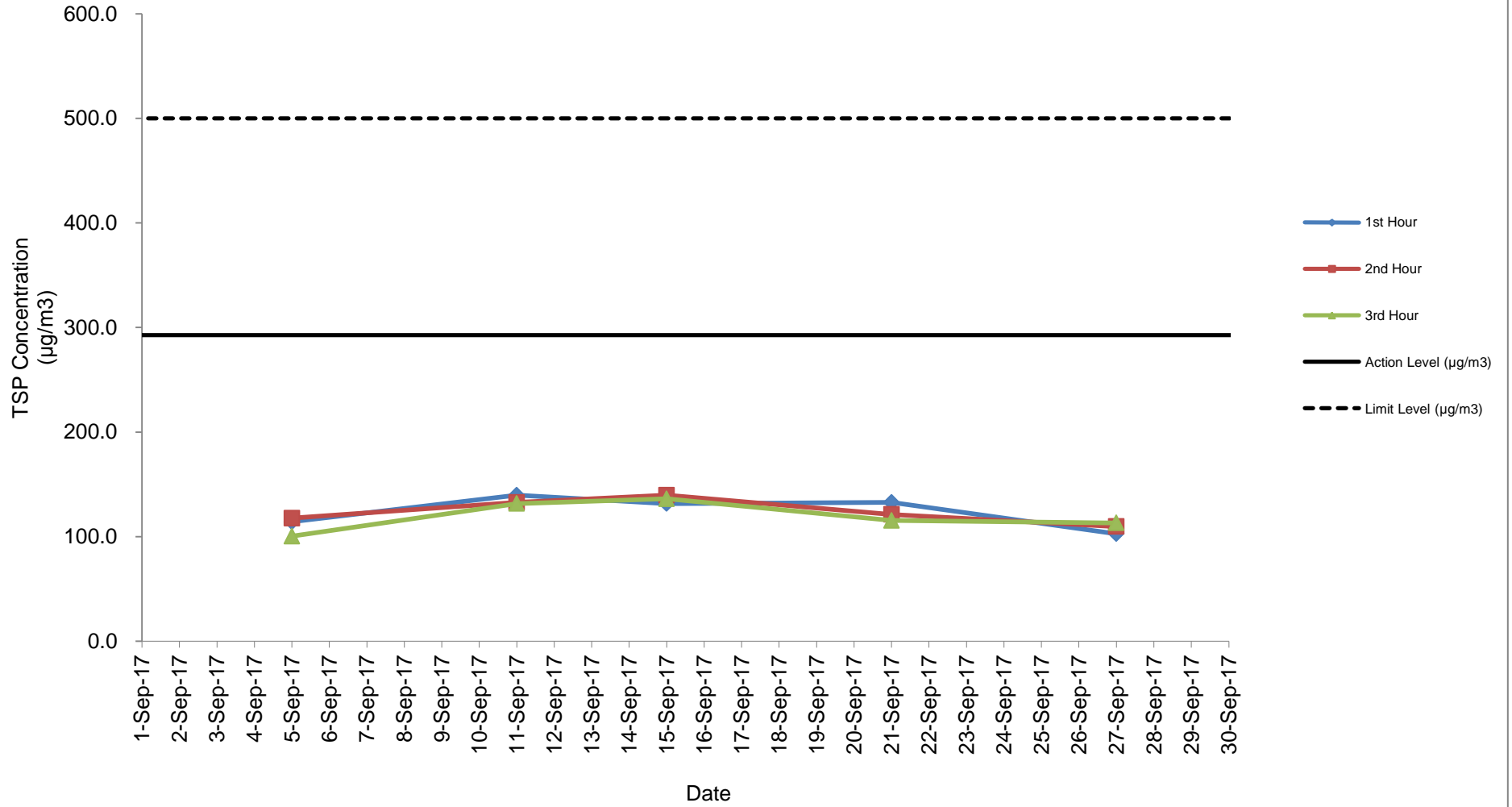
Appendix F  
Air Quality Monitoring Results and their Graphical Presentation

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
				Initial Wt.	Final Wt.	Wt. of Dust	Initial	Final	Sampling Hour	Initial	Final	Avg Flow Rate	Initial	Final	Avg Flow Rate						
5-Sep-17	Fine	09:00	CC85A	2.8507	2.8606	0.0099	7030.67	7031.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	114.3	292.7	500.0	<5	N
	Fine	10:04	CC85B	2.8317	2.8419	0.0102	7031.67	7032.67	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	CC85C	2.8449	2.8536	0.0087	7032.67	7033.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	100.4	292.7	500.0	<5	N
11-Sep-17	Sunny	09:00	CC87A	2.8272	2.8393	0.0121	7057.67	7058.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	139.6	292.7	500.0	<5	N
	Sunny	10:03	CC87B	2.8144	2.8259	0.0115	7058.67	7059.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	132.7	292.7	500.0	<5	N
	Sunny	11:07	CC87C	2.8193	2.8307	0.0114	7059.67	7060.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	131.6	292.7	500.0	<5	N
15-Sep-17	Fine	09:00	CC89A	2.8238	2.8352	0.0114	7084.67	7085.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	131.6	292.7	500.0	<5	N
	Fine	10:03	CC89B	2.8148	2.8269	0.0121	7085.67	7086.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	139.6	292.7	500.0	<5	N
	Fine	11:07	CC89C	2.8264	2.8382	0.0118	7086.67	7087.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	136.2	292.7	500.0	<5	N
21-Sep-17	Fine	09:00	CC91A	2.8311	2.8426	0.0115	7111.67	7112.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	132.7	292.7	500.0	<5	N
	Fine	10:04	CC91B	2.8191	2.8296	0.0105	7112.67	7113.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	121.2	292.7	500.0	<5	N
	Fine	11:07	CC91C	2.8219	2.8319	0.0100	7113.67	7114.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	115.4	292.7	500.0	<5	N
27-Sep-17	Fine	09:00	CC93A	2.8474	2.8563	0.0089	7138.67	7139.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	102.7	292.7	500.0	<5	N
	Fine	10:03	CC93B	2.8414	2.8509	0.0095	7139.67	7140.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	109.6	292.7	500.0	<5	N
	Fine	11:07	CC93C	2.8229	2.8327	0.0098	7140.67	7141.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	113.1	292.7	500.0	<5	N
																<b>Average</b>	122.6				
																<b>Min</b>	100.4				
																<b>Max</b>	139.6				

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

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



### 1-Hour TSP Monitoring Result at station: SR77 (June 2017 - September 2017)

