

# **Appendix F**

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

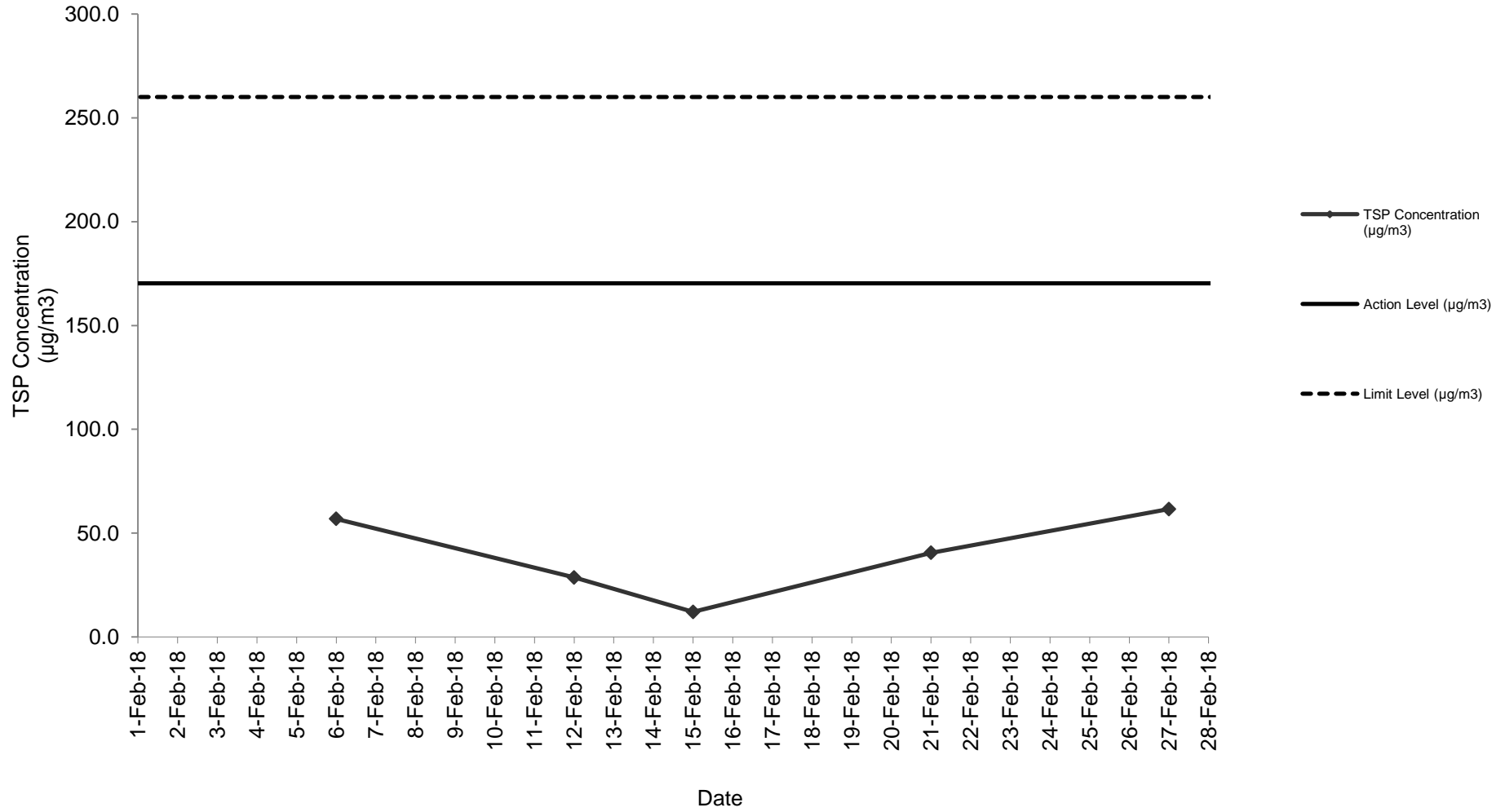
Appendix F  
Air Quality Monitoring Results and their Graphical Presentation

24-Hour TSP Monitoring Result at Station: SR77

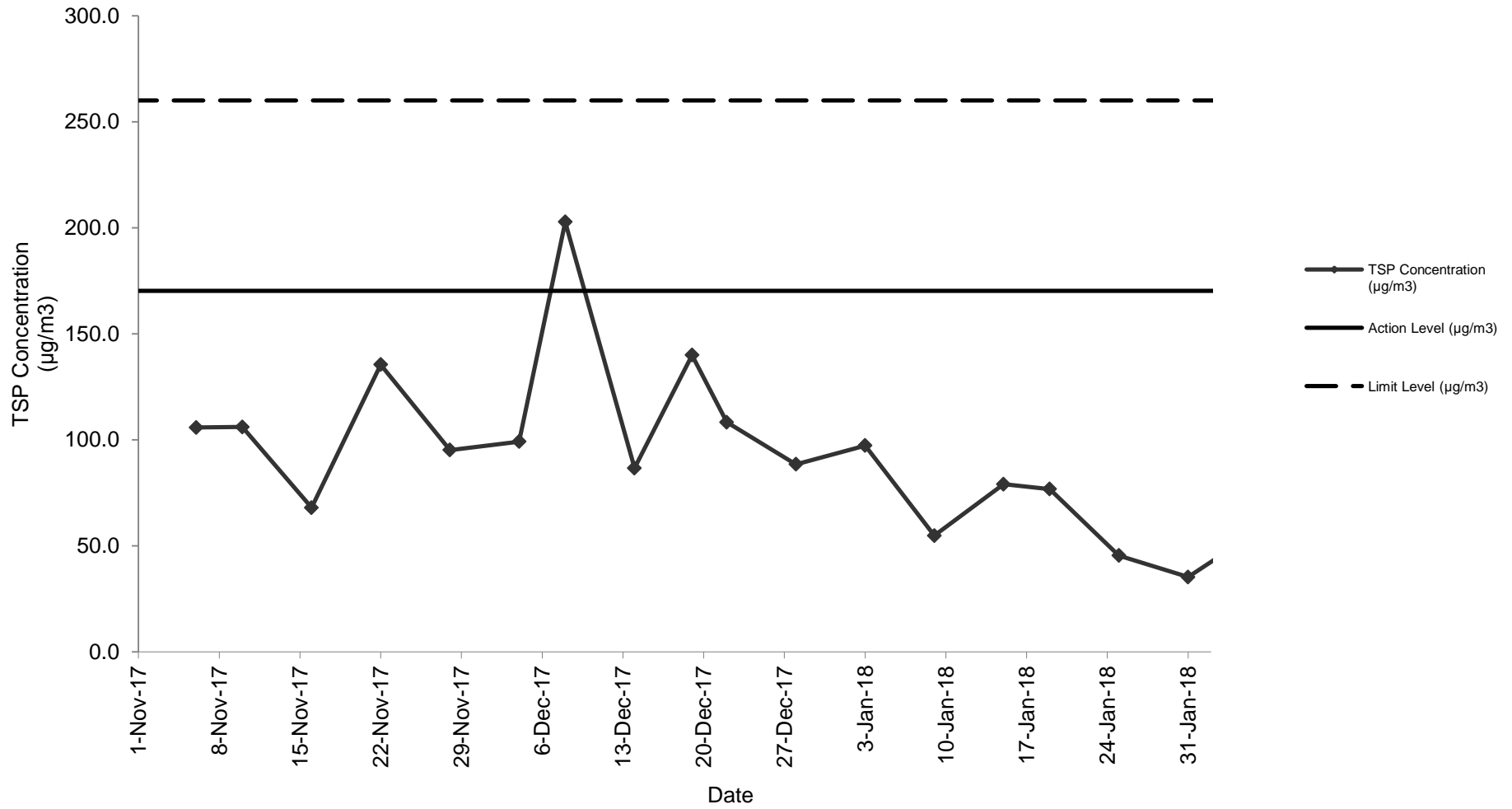
Sampling Date	Weather Condition	Starting Time	Paper No.	Wt. of paper (g)			Elapse Time			Flow Rate (CFM)			Flow Rate (m <sup>3</sup> /min)			Total Volume (m <sup>3</sup> )	TSP Concentration (µg/m <sup>3</sup> )	Action Level (µg/m <sup>3</sup> )	Limit Level (µg/m <sup>3</sup> )	Wind speed m/s	Wind direction	NOE	IR
				Initial Wt.	Final Wt.	Wt. of Dust	Initial	Final	Sampling Hour	Initial	Final	Avg Flow Rate	Initial	Final	Avg Flow Rate								
6-Feb-18	Sunny	12:11	C492	2.8634	2.9816	0.1182	7792.67	7816.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	56.8	170.3	260.0	<5	N		
12-Feb-18	Sunny	12:11	C494	2.8701	2.9297	0.0596	7819.67	7843.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	28.7	170.3	260.0	<5	N		
15-Feb-18	Fine	12:10	C496	2.7852	2.8103	0.0251	7846.67	7870.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	12.1	170.3	260.0	<5	N		
21-Feb-18	Cloudy	12:12	C498	2.8097	2.8940	0.0843	7873.67	7897.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	40.5	170.3	260.0	<5	N		
27-Feb-18	Sunny	12:13	C500	2.8026	2.9306	0.1280	7901.67	7925.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	61.6	170.3	260.0	<6	N		
																	<b>Average</b>	39.9					
																	<b>Min</b>	12.1					
																	<b>Max</b>	61.6					

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 (November 2017 - February 2018)



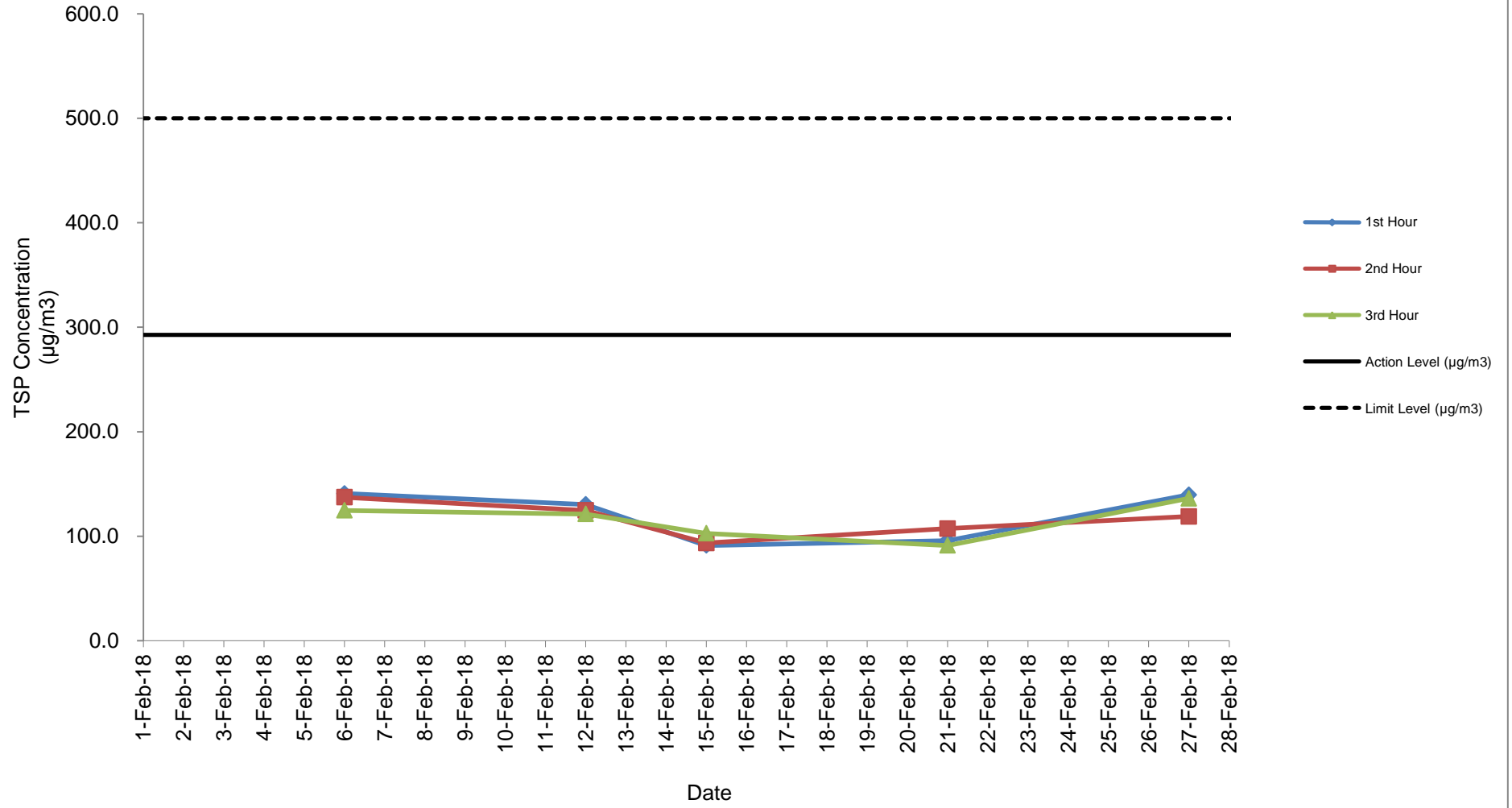
Appendix F  
Air Quality Monitoring Results and their Graphical Presentation

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						
6-Feb-18	Sunny	09:00	C493A	2.8702	2.8824	0.0122	7789.67	7790.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	140.8	292.7	500.0	<5	N
	Sunny	10:04	C493B	2.8292	2.8411	0.0119	7790.67	7791.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	137.3	292.7	500.0	<5	N
	Sunny	11:08	C493C	2.8411	2.8519	0.0108	7791.67	7792.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	124.6	292.7	500.0	<5	N
12-Feb-18	Sunny	09:00	C495A	2.8832	2.8945	0.0113	7816.67	7817.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	130.4	292.7	500.0	<5	N
	Sunny	10:03	C495B	2.8563	2.8671	0.0108	7817.67	7818.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	124.6	292.7	500.0	<5	N
	Sunny	11:08	C495C	2.8356	2.8461	0.0105	7818.67	7819.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	121.2	292.7	500.0	<5	N
15-Feb-18	Fine	09:00	C497A	2.7975	2.8054	0.0079	7843.67	7844.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	91.2	292.7	500.0	<5	N
	Fine	10:04	C497B	2.8147	2.8228	0.0081	7844.67	7845.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	93.5	292.7	500.0	<5	N
	Fine	11:08	C497C	2.8119	2.8208	0.0089	7845.67	7846.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	102.7	292.7	500.0	<5	N
21-Feb-18	Cloudy	09:00	C499A	2.8064	2.8147	0.0083	7870.67	7871.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	95.8	292.7	500.0	<5	N
	Cloudy	10:05	C499B	2.8174	2.8267	0.0093	7871.67	7872.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	107.3	292.7	500.0	<5	N
	Cloudy	11:09	C499C	2.8198	2.8277	0.0079	7872.67	7873.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	91.2	292.7	500.0	<5	N
27-Feb-18	Sunny	09:00	C501A	2.8032	2.8153	0.0121	7898.67	7899.67	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	C501B	2.8149	2.8252	0.0103	7899.67	7900.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	118.9	292.7	500.0	<5	N
	Sunny	11:09	C501C	2.8075	2.8193	0.0118	7900.67	7901.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	136.2	292.7	500.0	<5	N
																<b>Average</b>	117.0				
																<b>Min</b>	91.2				
																<b>Max</b>	140.8				

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

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



### 1-Hour TSP Monitoring Result at station: SR77 (November 2017 - February 2018)

