

# **Appendix F**

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

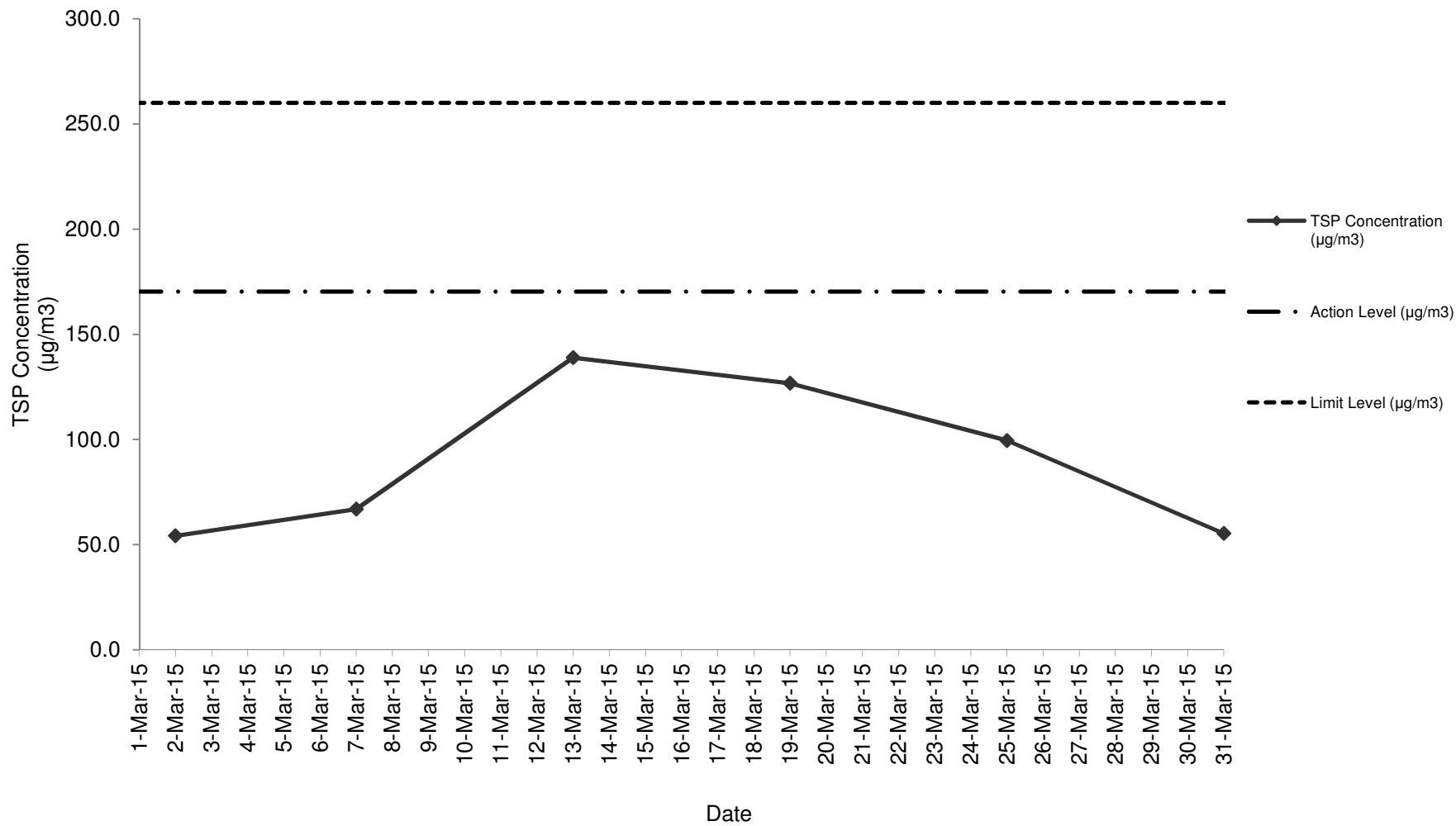
Appendix F  
Air Quality Monitoring Results and their Graphical Presentation

24-Hour TSP Monitoring Result at Station: SR77

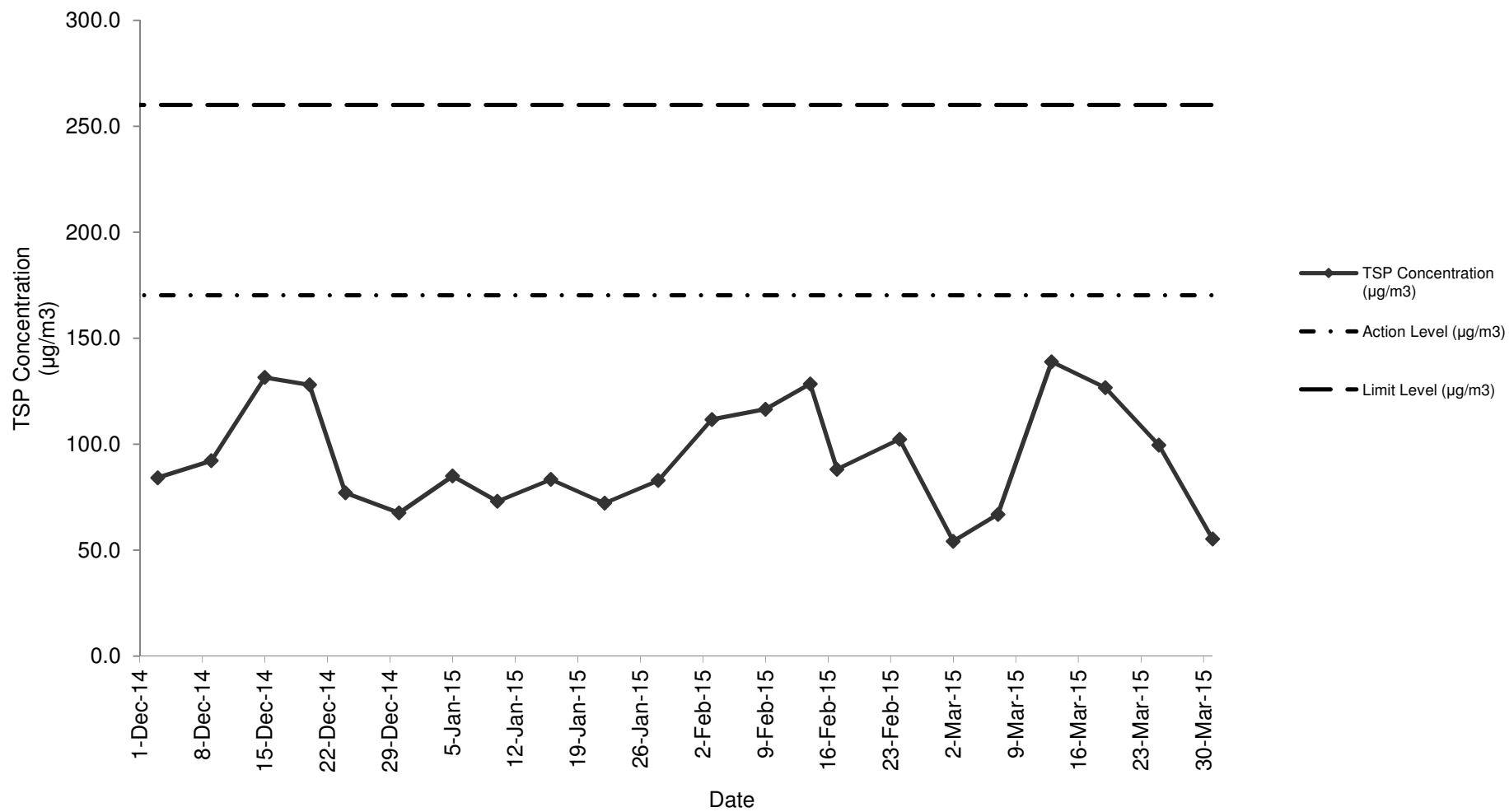
Sampling Date	Weather Condition	Paper No.	Wt. of paper (g)			Elapse Time			Flow Rate (CFM)			Flow Rate (m <sup>3</sup> /min)			Total Volume (m <sup>3</sup> )	TSP Concentration (µg/m <sup>3</sup> )	Action Level (µg/m <sup>3</sup> )	Limit Level (µg/m <sup>3</sup> )	Wind speed m/s	Wind direction
			Initial Wt.	Final Wt.	Wt. of Dust	Initial	Final	Sampling Hour	Initial	Final	Avg Flow Rate	Initial	Final	Avg Flow Rate						
2-Mar-15	Cloudy	B34	2.8219	2.9347	0.1128	0.00	24.00	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	54.2	170.3	260.0	<5	N
7-Mar-15	Cloudy	B37	2.8120	2.9511	0.1391	0.00	24.00	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	66.9	170.3	260.0	<5	N
13-Mar-15	Fine	B39	2.7991	3.0880	0.2889	0.00	24.00	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	138.9	170.3	260.0	<5	N
19-Mar-15	Fine	B41	2.8002	3.0637	0.2635	0.00	24.00	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	126.7	170.3	260.0	<5	N
25-Mar-15	Cloudy	B43	2.7841	2.9911	0.2070	0.00	24.00	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	99.5	170.3	260.0	<5	N
31-Mar-15	Sunny	B65	2.8170	2.9321	0.1151	0.00	24.00	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	55.3	170.3	260.0	<5	N
															<b>Average</b>	90.3				
															<b>Min</b>	54.2				
															<b>Max</b>	138.9				

Note: No major dust source observed during the monitoring period

### 24-Hour TSP Monitoring Result at Station: SR77



### 24-Hour TSP Monitoring Result at Station: SR77 (December 2014 - March 2015)



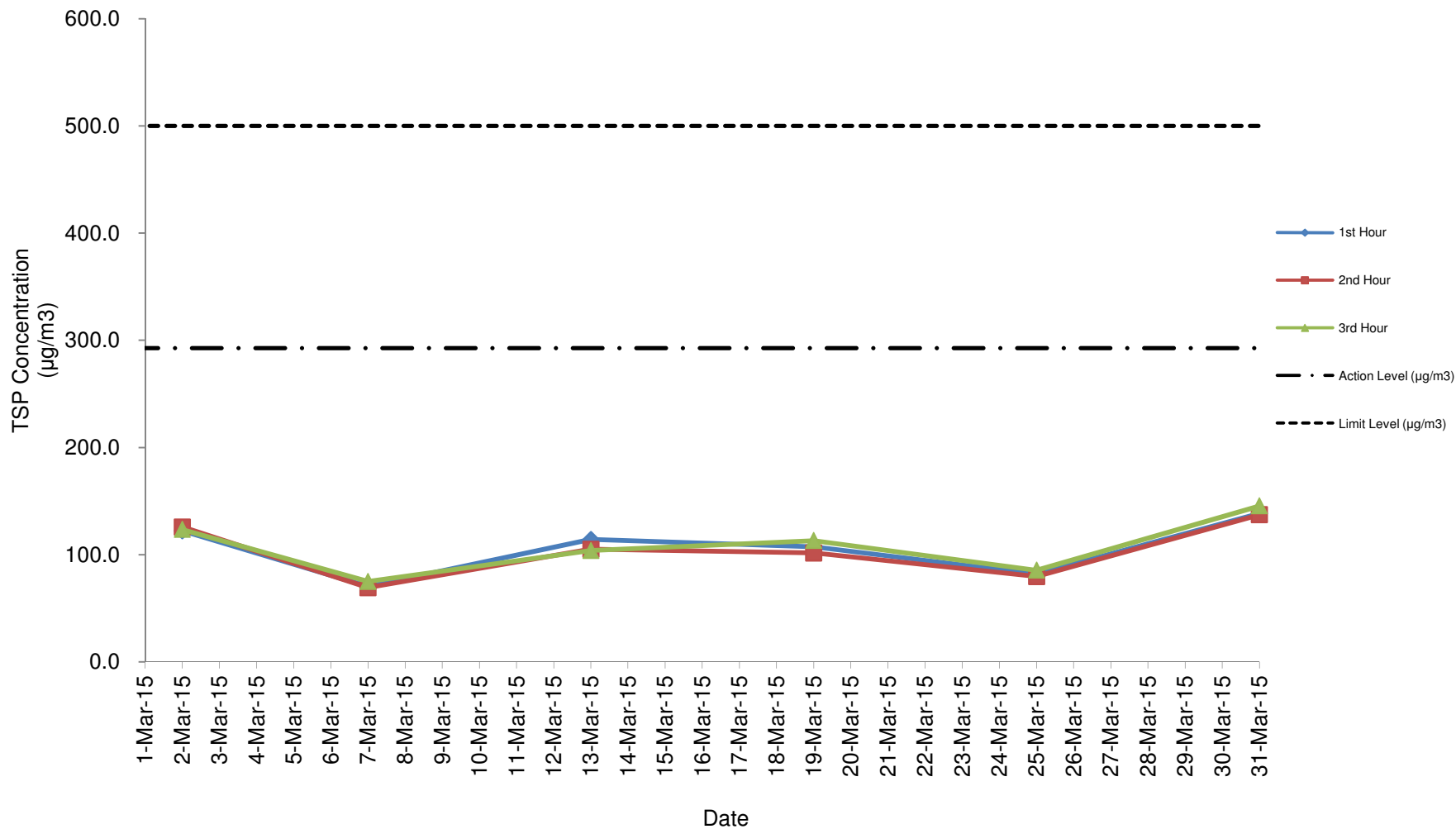
Appendix F  
Air Quality Monitoring Results and their Graphical Presentation

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

Sampling Date	Weather Condition	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						
2-Mar-15	Cloudy	B35A	2.8135	2.8241	0.0106	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	122.3	292.7	500.0	<5	N
		B35B	2.8012	2.8121	0.0109	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	125.8	292.7	500.0	<5	N
		B35C	2.7994	2.8101	0.0107	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	123.5	292.7	500.0	<5	N
7-Mar-15	Cloudy	B38A	2.7980	2.8041	0.0061	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	70.4	292.7	500.0	<5	N
		B38B	2.8014	2.8074	0.0060	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	69.2	292.7	500.0	<5	N
		B38C	2.7760	2.7825	0.0065	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	75.0	292.7	500.0	<5	N
13-Mar-15	Fine	B40A	2.8011	2.8110	0.0099	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	114.3	292.7	500.0	<5	N
		B40B	2.7741	2.7832	0.0091	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	105.0	292.7	500.0	<5	N
		B40C	2.8151	2.8241	0.0090	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	103.9	292.7	500.0	<5	N
19-Mar-15	Fine	B42A	2.8109	2.8202	0.0093	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	107.3	292.7	500.0	<5	N
		B42B	2.8114	2.8202	0.0088	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	101.6	292.7	500.0	<5	N
		B42C	2.8211	2.8309	0.0098	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	113.1	292.7	500.0	<5	N
25-Mar-15	Cloudy	B44A	2.7884	2.7955	0.0071	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	81.9	292.7	500.0	<5	N
		B44B	2.7910	2.7979	0.0069	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	79.6	292.7	500.0	<5	N
		B44C	2.7760	2.7834	0.0074	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	85.4	292.7	500.0	<5	N
31-Mar-15	Sunny	B64A	2.8060	2.8180	0.0120	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	138.5	292.7	500.0	<5	N
		B64B	2.8022	2.8141	0.0119	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	137.3	292.7	500.0	<5	N
		B64C	2.8017	2.8143	0.0126	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	145.4	292.7	500.0	<5	N
															<b>Average</b>	105.5				
															<b>Min</b>	69.2				
															<b>Max</b>	145.4				

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 2014 - March 2015)

