

Appendix F Air Quality Monitoring Results and their Graphical Presentation

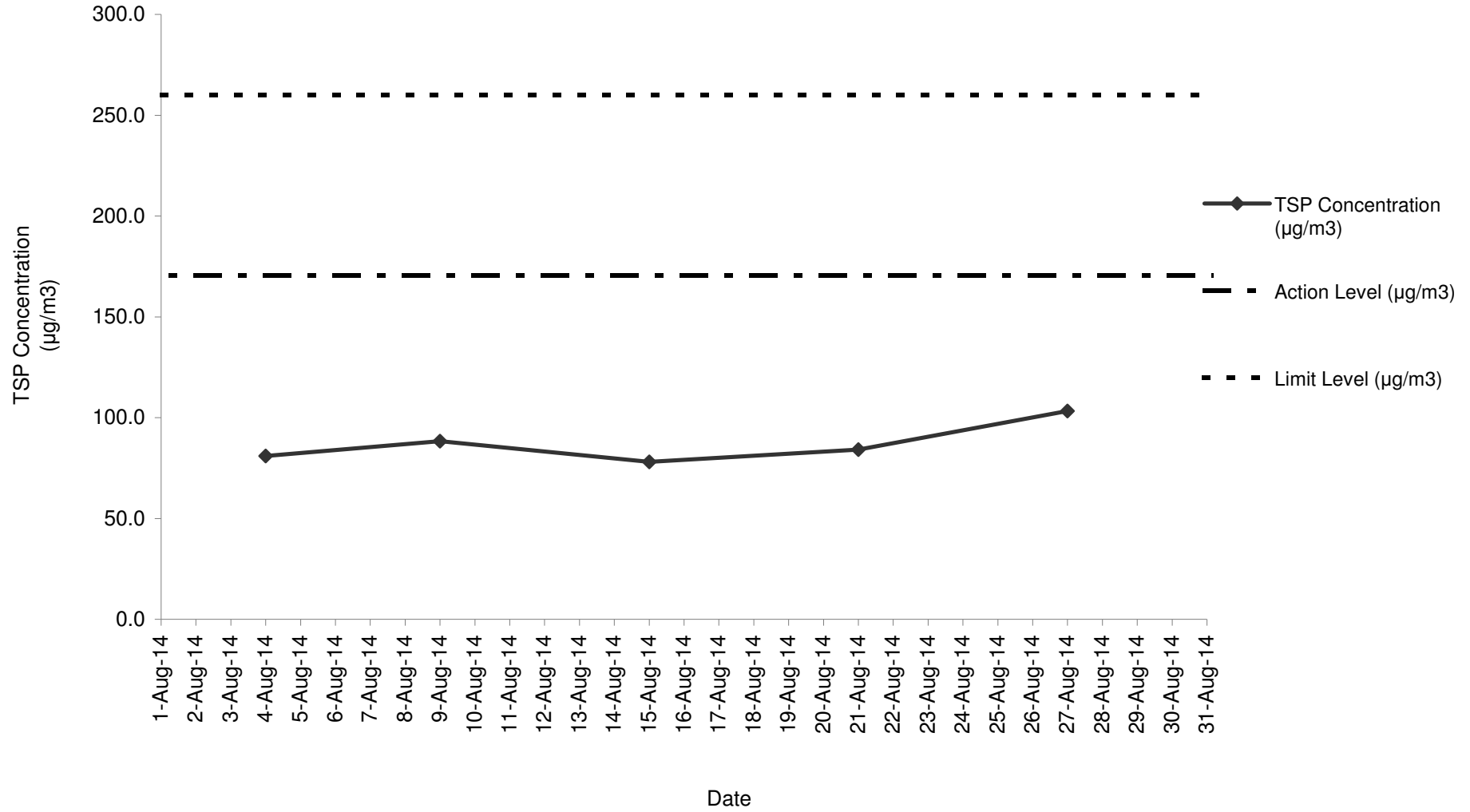
Appendix F
 Air Quality Monitoring Results and their Graphical Presentation

24-Hour TSP Monitoring Result at Station: SR77

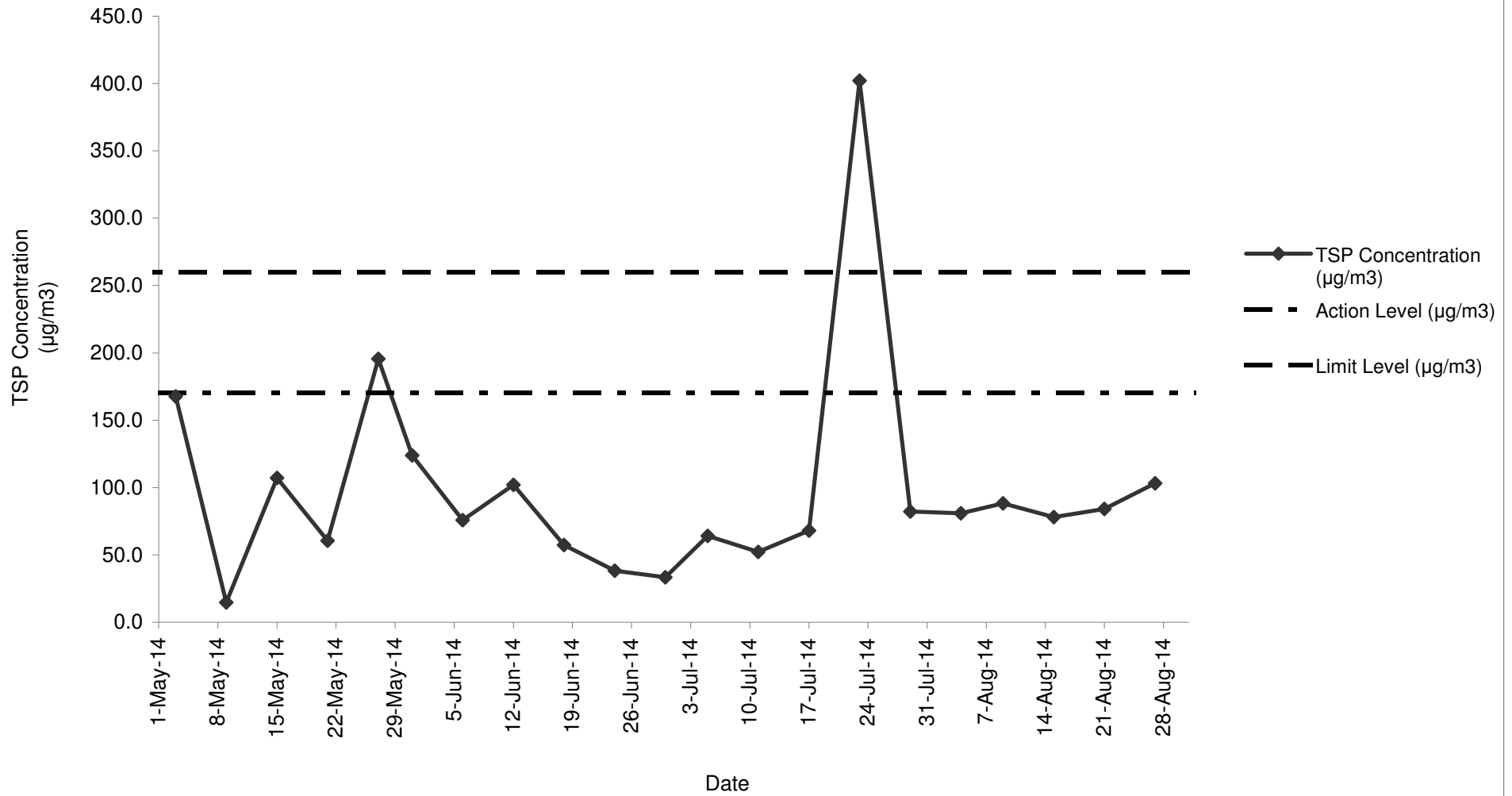
Sampling Date	Weather Condition	Paper No.	Wt. of paper (g)			Elapse Time			Flow Rate (CFM)			Flow Rate (m ³ /min)			Total Volume (m ³)	TSP Concentration (µg/m ³)	Action Level (µg/m3)	Limit Level (µg/m3)	Wind speed m/s	Wind direction
			Initial Wt.	Final Wt.	Wt. of Dust	Initial	Final	Sampling Hour	Initial	Final	Avg Flow Rate	Initial	Final	Avg Flow Rate						
4-Aug-14	Sunny	72	2.6718	2.8402	0.1684	0.00	24.00	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	81.0	170.3	260.0	<5	N
9-Aug-14	Fine	62	2.7200	2.9037	0.1837	0.00	24.00	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	88.3	170.3	260.0	<5	N
15-Aug-14	Fine	64	2.7060	2.8683	0.1623	0.00	24.00	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	78.0	170.3	260.0	<5	N
21-Aug-14	Fine	69	2.6983	2.8733	0.1750	0.00	24.00	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	84.2	170.3	260.0	<5	N
27-Aug-14	Sunny	68	2.6756	2.8903	0.2147	0.00	24.00	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	103.2	170.3	260.0	<5	N
																Average	86.9			
																Min	78.0			
																Max	103.2			

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 (May - August 2014)



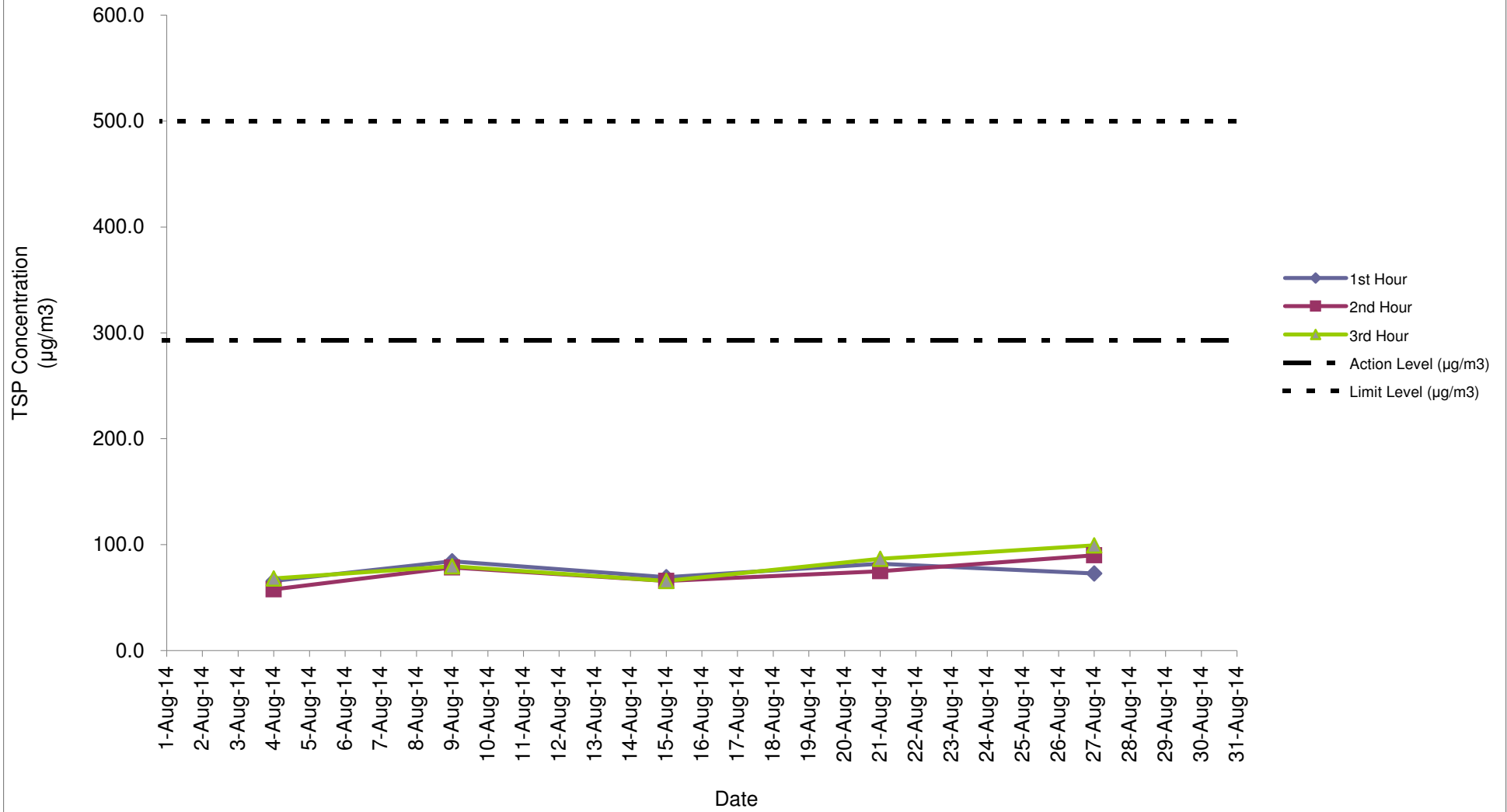
Appendix F
Air Quality Monitoring Results and their Graphical Presentation

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 ³ /min)			Total Volume (m ³)	TSP Concentration (µg/m ³)	Action Level (µg/m ³)	Limit Level (µg/m ³)	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						
4-Aug-14	Sunny	73A	2.7189	2.7246	0.0057	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	65.8	292.7	500.0	<5	N
		73B	2.7111	2.7161	0.0050	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	57.7	292.7	500.0	<5	N
		73C	2.7090	2.7149	0.0059	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	68.1	292.7	500.0	<5	N
9-Aug-14	Fine	71A	2.6088	2.6161	0.0073	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	84.2	292.7	500.0	<5	N
		71B	2.7141	2.7209	0.0068	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	78.5	292.7	500.0	<5	N
		71C	2.7098	2.7167	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
15-Aug-14	Fine	63A	2.7051	2.7111	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
		63B	2.7009	2.7066	0.0057	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	65.8	292.7	500.0	<5	N
		63C	2.7091	2.7148	0.0057	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	65.8	292.7	500.0	<5	N
21-Aug-14	Fine	65A	2.7080	2.7151	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
		65B	2.6944	2.7009	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
		65C	2.7015	2.7090	0.0075	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	86.6	292.7	500.0	<5	N
27-Aug-14	Sunny	70A	2.7131	2.7194	0.0063	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	72.7	292.7	500.0	<5	N
		70B	2.7033	2.7111	0.0078	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	90.0	292.7	500.0	<5	N
		70C	2.7102	2.7188	0.0086	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	99.3	292.7	500.0	<5	N
															Average	76.0				
															Min	57.7				
															Max	99.3				

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 - August 2014)

