

Appendix F Air Quality Monitoring Results and their Graphical Presentation

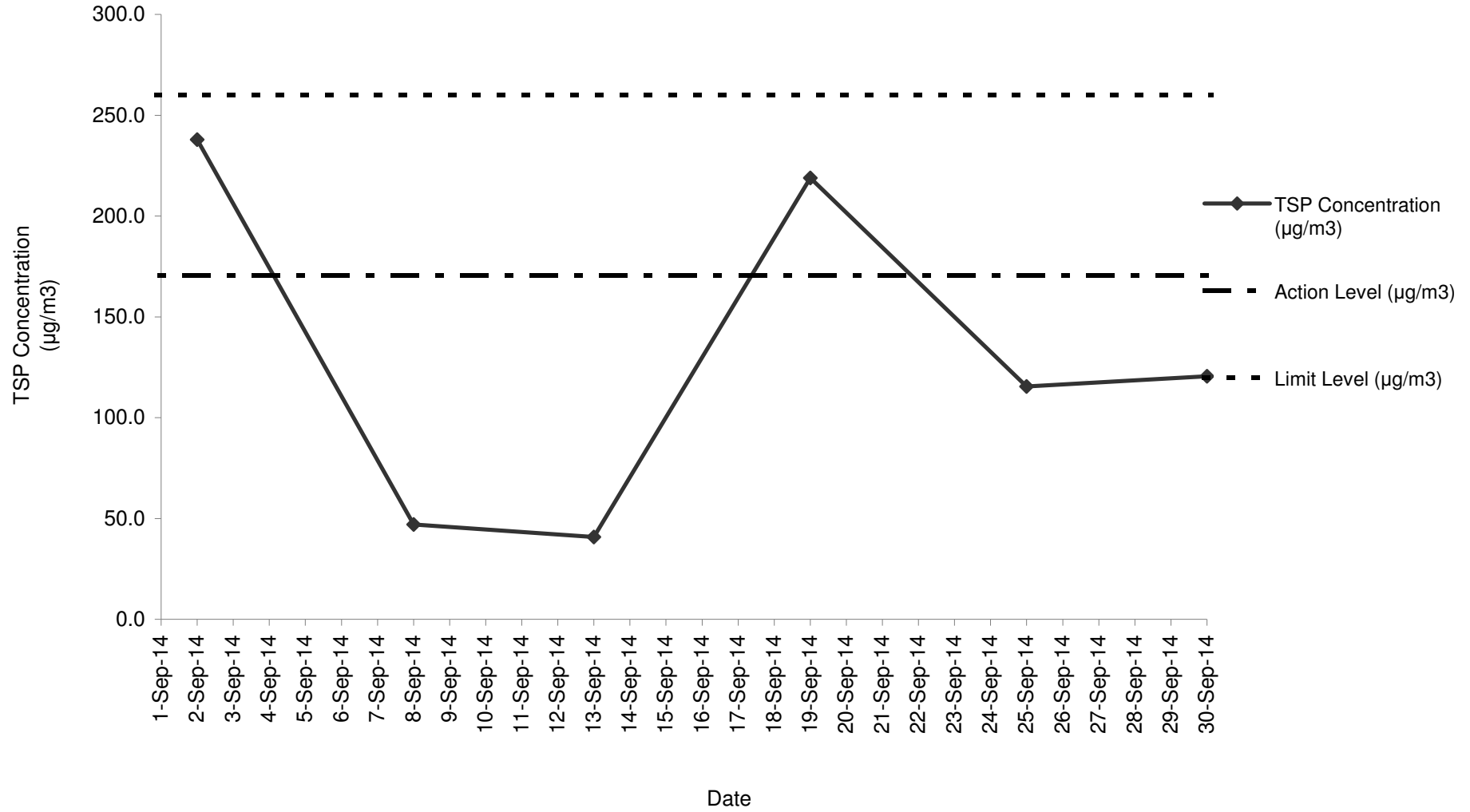
Appendix F
Air Quality Monitoring Results and their Graphical Presentation

24-Hour TSP Monitoring Result at Station: SR77

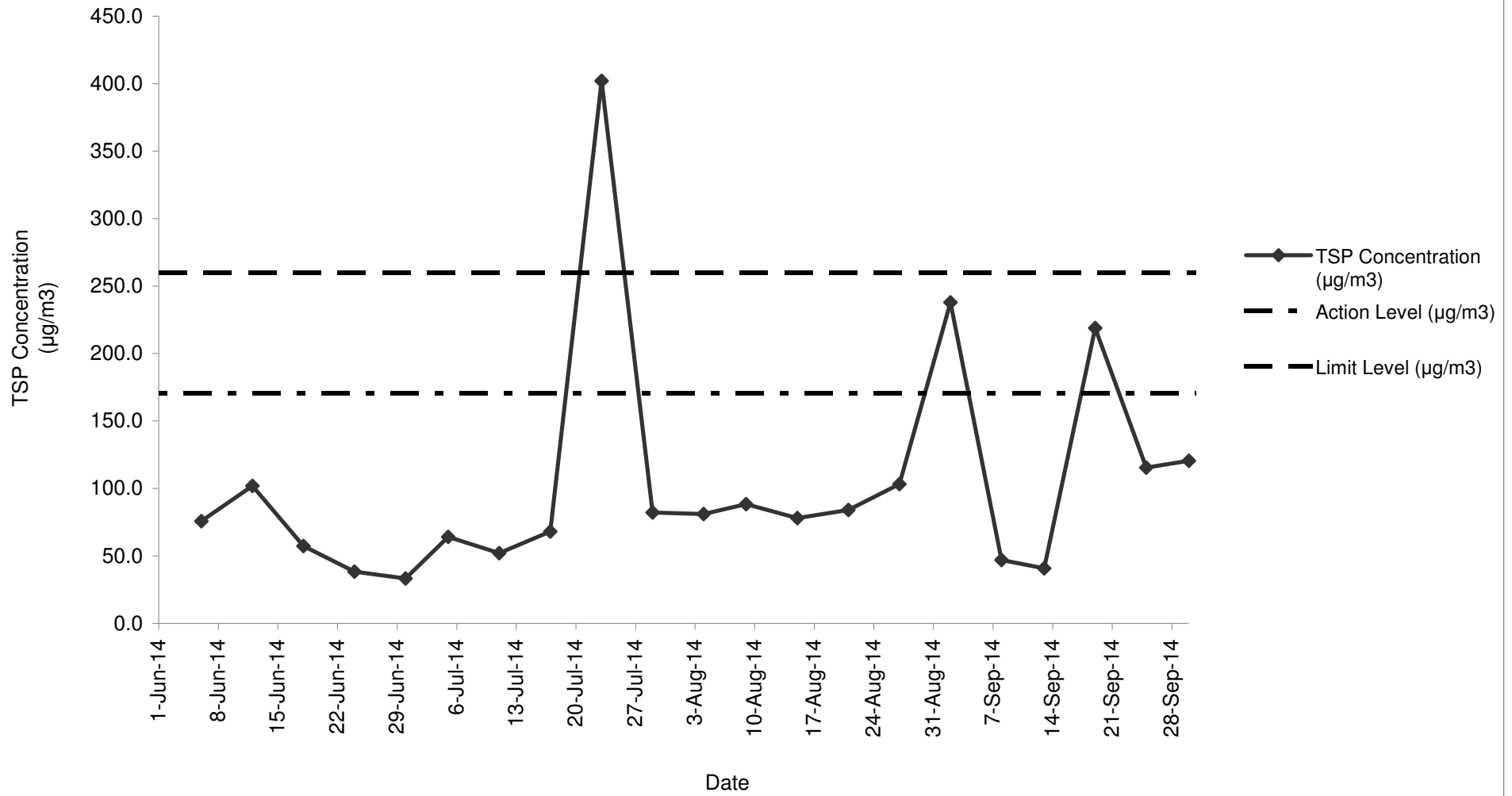
Sampling Date	Weather Condition	Paper No.	Wt. of paper (g)			Elapse Time			Flow Rate (CFM)			Flow Rate (m ³ /min)			Total Volume (m ³)	TSP Concentration (µg/m ³)	Action Level (µg/m ³)	Limit Level (µg/m ³)	Wind speed m/s	Wind direction
			Initial Wt.	Final Wt.	Wt. of Dust	Initial	Final	Sampling Hour	Initial	Final	Avg Flow Rate	Initial	Final	Avg Flow Rate						
2-Sep-14	Fine	66	2.7036	3.1984	0.4948	0.00	24.00	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	237.9	170.3	260.0	<5	N
8-Sep-14	Sunny	85	2.7183	2.8161	0.0978	0.00	24.00	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	47.0	170.3	260.0	<5	N
13-Sep-14	Sunny	84	2.7229	2.8078	0.0849	0.00	24.00	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	40.8	170.3	260.0	<5	N
19-Sep-14	Fine	87	2.7231	3.1784	0.4553	0.00	24.00	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	218.9	170.3	260.0	<5	N
25-Sep-14	Sunny	89	2.7889	3.0289	0.2400	0.00	24.00	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	115.4	170.3	260.0	<5	N
30-Sep-14	Fine	91	2.7064	2.9570	0.2506	0.00	24.00	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	120.5	170.3	260.0	<5	N
															Average	130.1				
															Min	40.8				
															Max	237.9				

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 (June - September 2014)



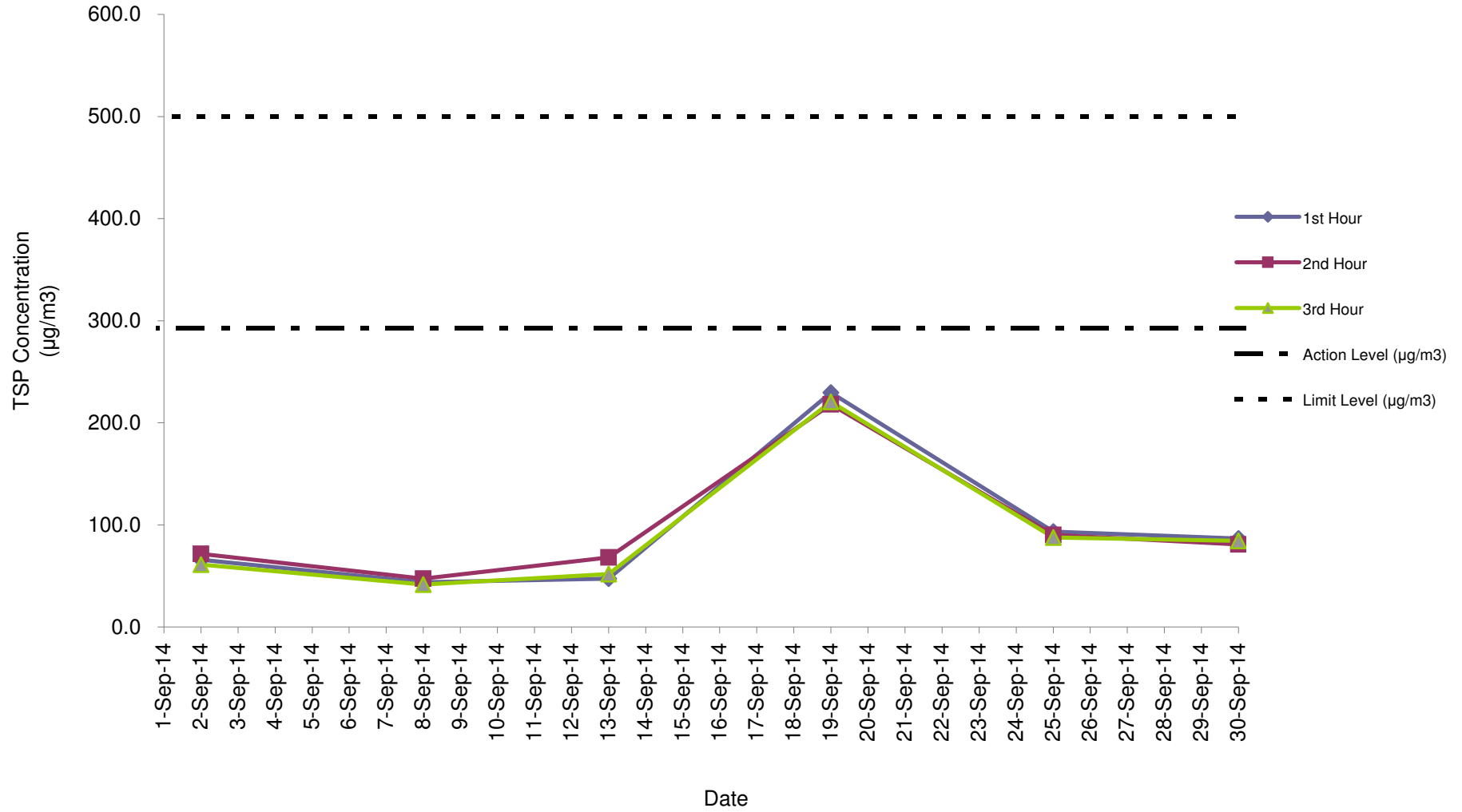
Appendix F
Air Quality Monitoring Results and their Graphical Presentation

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						
2-Sep-14	Fine	67A	2.7023	2.7080	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
		67B	2.7109	2.7171	0.0062	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	71.6	292.7	500.0	<5	N
		67C	2.6994	2.7047	0.0053	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	61.2	292.7	500.0	<5	N
8-Sep-14	Sunny	83A	2.7118	2.7156	0.0038	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	43.9	292.7	500.0	<5	N
		83B	2.7111	2.7152	0.0041	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	47.3	292.7	500.0	<5	N
		83C	2.7095	2.7131	0.0036	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	41.5	292.7	500.0	<5	N
13-Sep-14	Sunny	86A	2.7120	2.7161	0.0041	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	47.3	292.7	500.0	<5	N
		86B	2.6949	2.7008	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
		86C	2.7031	2.7076	0.0045	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	51.9	292.7	500.0	<5	N
19-Sep-14	Fine	88A	2.6889	2.7088	0.0199	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	229.7	292.7	500.0	<5	N
		88B	2.6912	2.7101	0.0189	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	218.1	292.7	500.0	<5	N
		88C	2.6890	2.7081	0.0191	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	220.4	292.7	500.0	<5	N
25-Sep-14	Sunny	89A	2.6943	2.7024	0.0081	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	93.5	292.7	500.0	<5	N
		89B	2.6843	2.6921	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
		89C	2.6902	2.6978	0.0076	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	87.7	292.7	500.0	<5	N
30-Sep-14	Fine	90A	2.7096	2.7171	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
		90B	2.7051	2.7121	0.0070	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	80.8	292.7	500.0	<5	N
		90C	2.6918	2.6991	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
															Average	93.9				
															Min	41.5				
															Max	229.7				

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 - September 2014)

