

Appendix F

Air Quality Monitoring Results and their Graphical Presentation

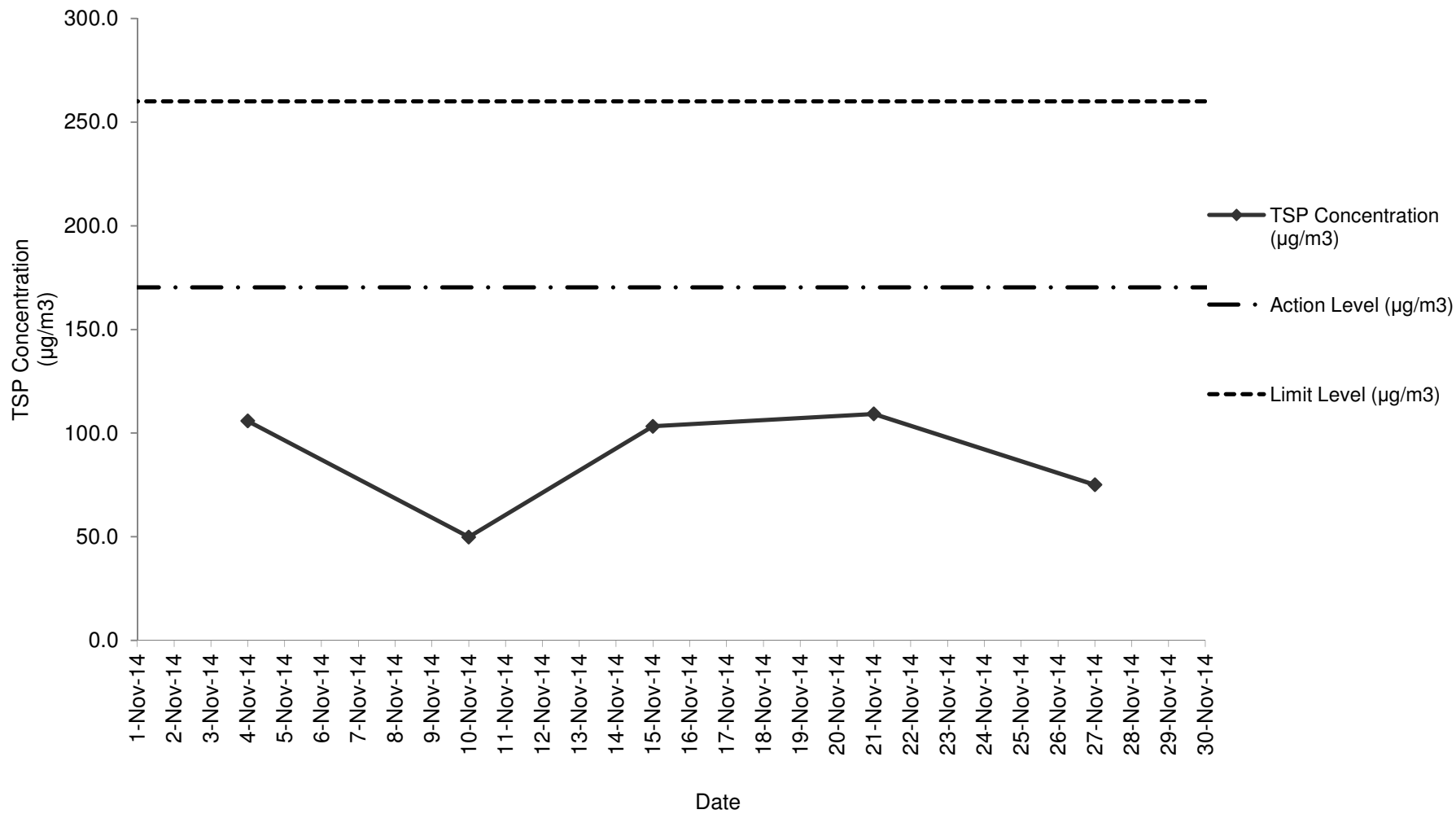
Appendix F
 Air Quality Monitoring Results and their Graphical Presentation

24-Hour TSP Monitoring Result at Station: SR77

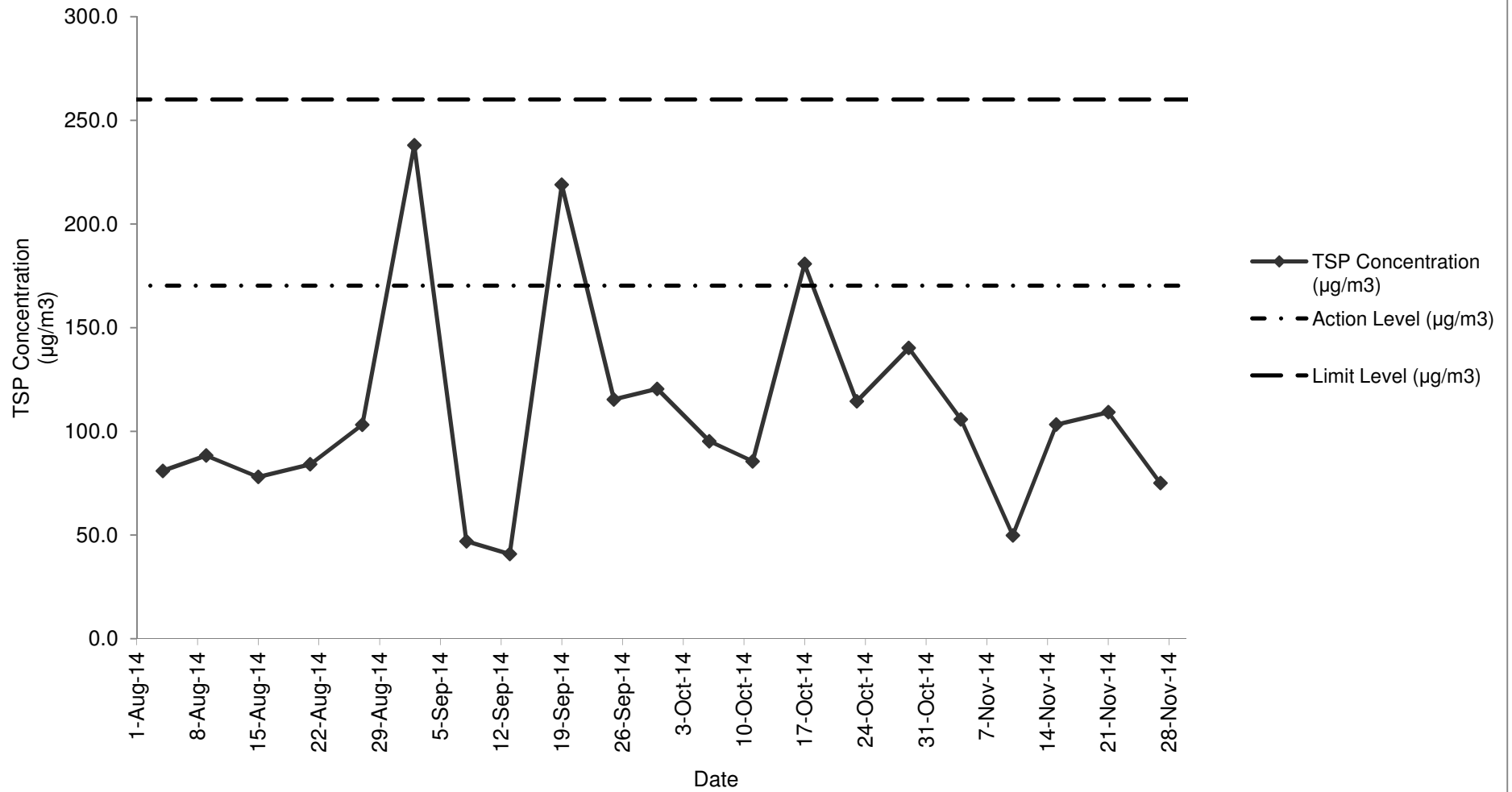
Sampling Date	Weather Condition	Paper No.	Wt. of paper (g)			Elapse Time			Flow Rate (CFM)			Flow Rate (m ³ /min)			Total Volume (m ³)	TSP Concentration (µg/m ³)	Action Level (µg/m3)	Limit Level (µg/m3)	Wind speed m/s	Wind direction
			Initial Wt.	Final Wt.	Wt. of Dust	Initial	Final	Sampling Hour	Initial	Final	Avg Flow Rate	Initial	Final	Avg Flow Rate						
4-Nov-14	Fine	102	2.7809	3.0010	0.2201	0.00	24.00	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	105.8	170.3	260.0	<5	N
10-Nov-14	Cloudy	122	2.7744	2.8781	0.1037	0.00	24.00	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	49.9	170.3	260.0	<5	N
15-Nov-14	Fine	121	2.7538	2.9686	0.2148	0.00	24.00	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	103.3	170.3	260.0	<5	N
21-Nov-14	Fine	114	2.7122	2.9394	0.2272	0.00	24.00	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	109.3	170.3	260.0	<5	N
27-Nov-14	Cloudy	A15	2.8003	2.9564	0.1561	0.00	24.00	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	75.1	170.3	260.0	<5	N
																Average	88.7			
																Min	49.9			
																Max	109.3			

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 (August - November 2014)



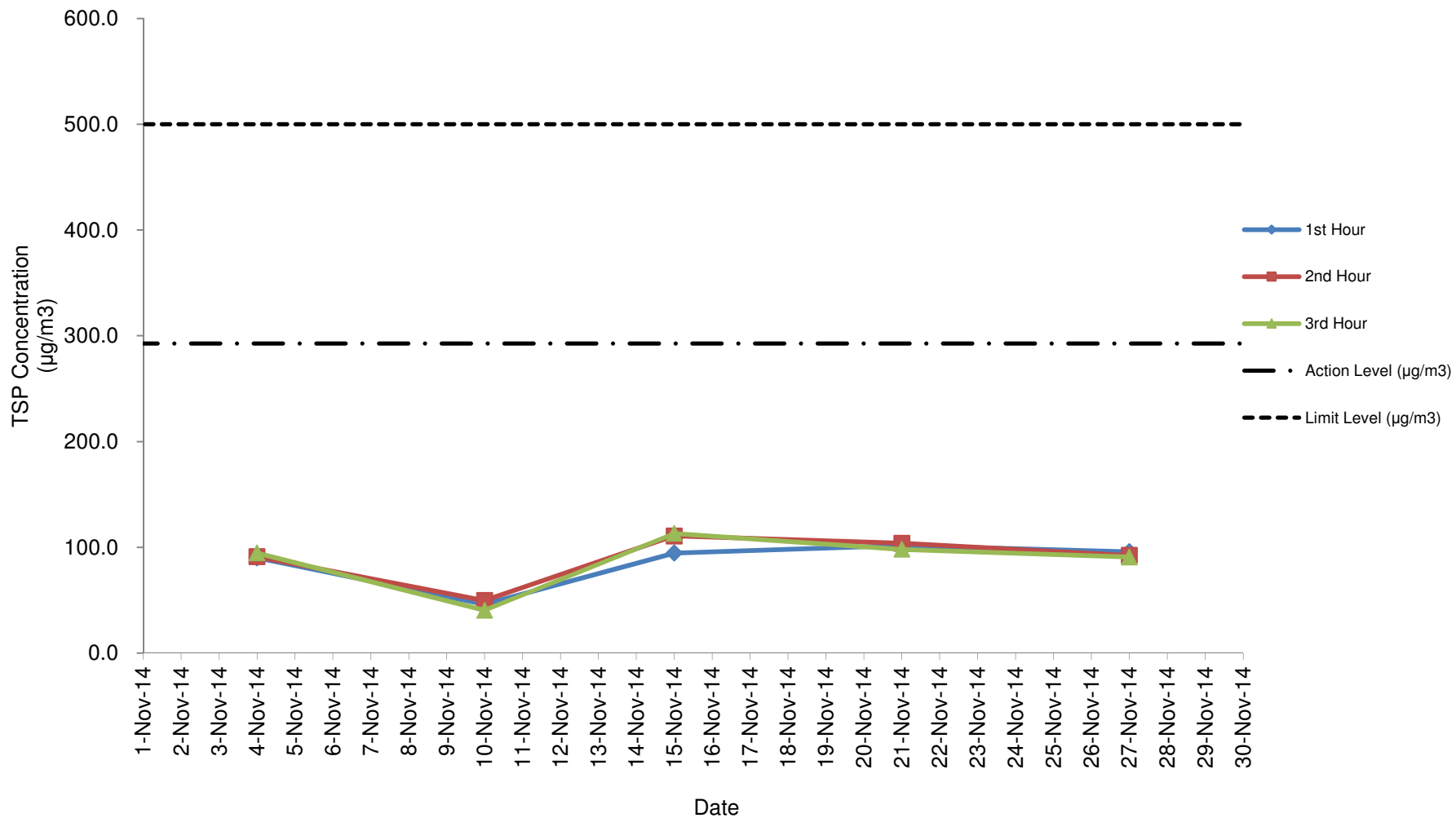
Appendix F
Air Quality Monitoring Results and their Graphical Presentation

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-Nov-14	Fine	103A	2.7861	2.7939	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
		103B	2.6771	2.6850	0.0079	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	91.2	292.7	500.0	<5	N
		103C	2.7019	2.7101	0.0082	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	94.6	292.7	500.0	<5	N
10-Nov-14	Cloudy	113A	2.7040	2.7080	0.0040	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	46.2	292.7	500.0	<5	N
		113B	2.6788	2.6831	0.0043	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	49.6	292.7	500.0	<5	N
		113C	2.6810	2.6845	0.0035	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	40.4	292.7	500.0	<5	N
15-Nov-14	Fine	119A	2.7743	2.7825	0.0082	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	94.6	292.7	500.0	<5	N
		119B	2.7711	2.7807	0.0096	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	110.8	292.7	500.0	<5	N
		119C	2.7541	2.7639	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
21-Nov-14	Fine	115A	2.7211	2.7299	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
		115B	2.6991	2.7081	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
		115C	2.7076	2.7161	0.0085	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	98.1	292.7	500.0	<5	N
27-Nov-14	Cloudy	116A	2.7768	2.7851	0.0083	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	95.8	292.7	500.0	<5	N
		116B	2.7561	2.7641	0.0080	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	92.3	292.7	500.0	<5	N
		116C	2.7488	2.7567	0.0079	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	90.7	292.7	500.0	<5	N
															Average	87.5				
															Min	40.4				
															Max	113.1				

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 (August - November 2014)

