

Appendix F

Air Quality Monitoring Results and their Graphical Presentation

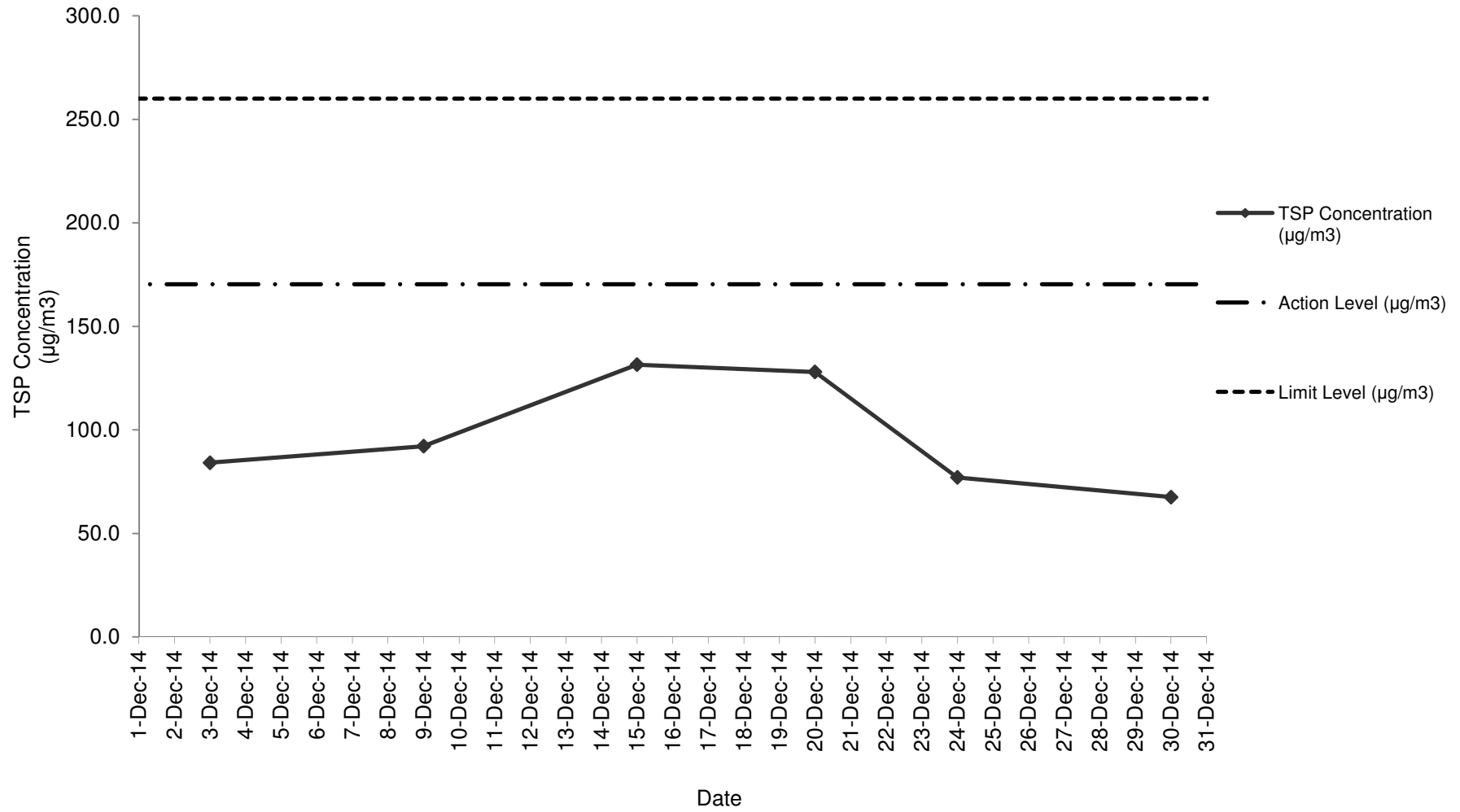
Appendix F
Air Quality Monitoring Results and their Graphical Presentation

24-Hour TSP Monitoring Result at Station: SR77

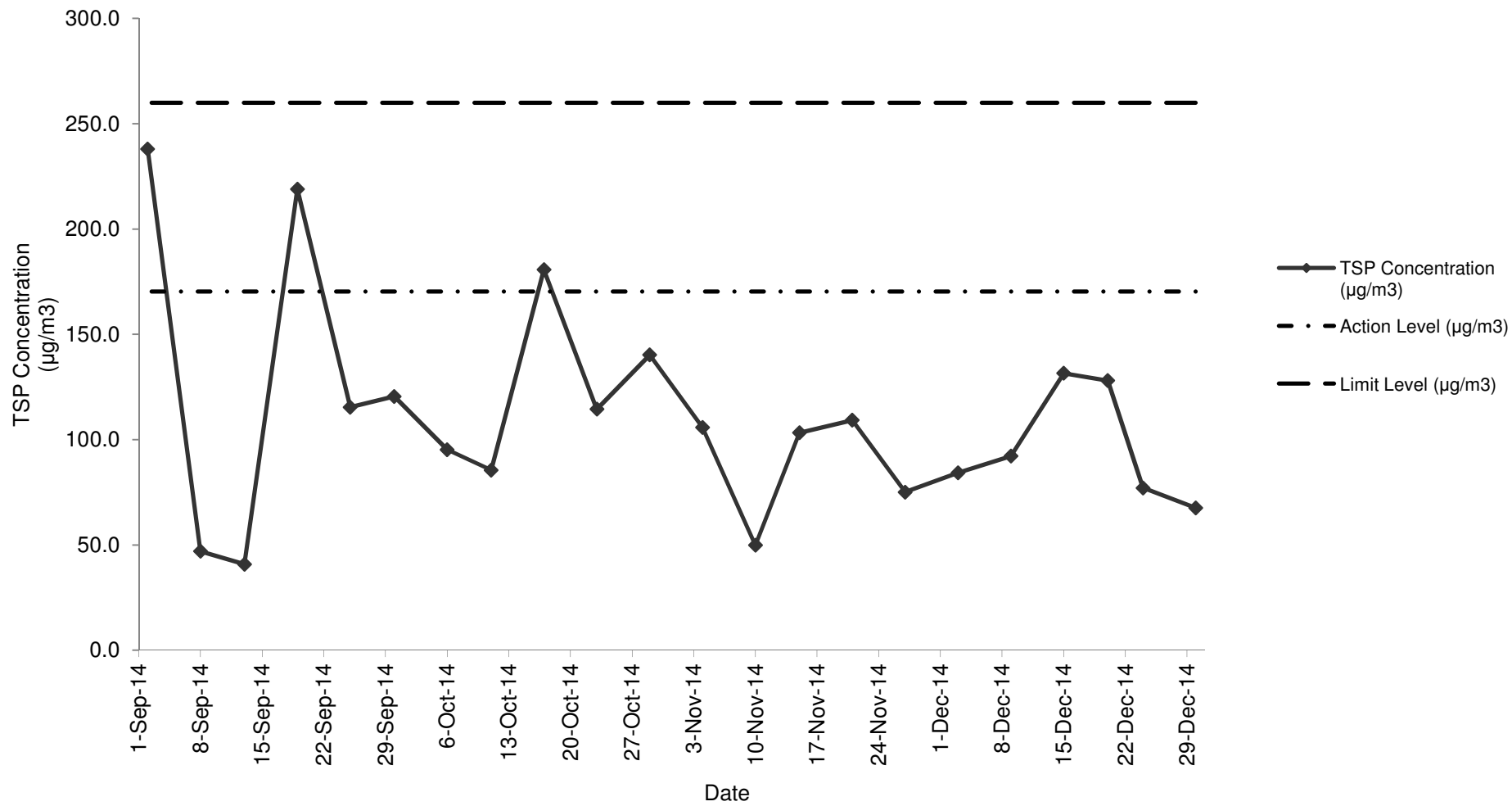
Sampling Date	Weather Condition	Paper No.	Wt. of paper (g)			Elapse Time			Flow Rate (CFM)			Flow Rate (m ³ /min)			Total Volume (m ³)	TSP Concentration (µg/m ³)	Action Level (µg/m ³)	Limit Level (µg/m ³)	Wind speed m/s	Wind direction
			Initial Wt.	Final Wt.	Wt. of Dust	Initial	Final	Sampling Hour	Initial	Final	Avg Flow Rate	Initial	Final	Avg Flow Rate						
3-Dec-14	Cloudy	A13	2.7920	2.9671	0.1751	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
9-Dec-14	Fine	A16	2.7614	2.9531	0.1917	0.00	24.00	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	92.2	170.3	260.0	<5	N
15-Dec-14	Fine	114	2.7845	3.0580	0.2735	0.00	24.00	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	131.5	170.3	260.0	<5	N
20-Dec-14	Fine	A12	2.7752	3.0414	0.2662	0.00	24.00	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	128.0	170.3	260.0	<5	N
24-Dec-14	Fine	B4	2.8108	2.9710	0.1602	0.00	24.00	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	77.0	170.3	260.0	<5	N
30-Dec-14	Fine	B3	2.8015	2.9420	0.1405	0.00	24.00	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	67.6	170.3	260.0	<5	N
															Average	96.7				
															Min	67.6				
															Max	131.5				

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 (September - December 2014)



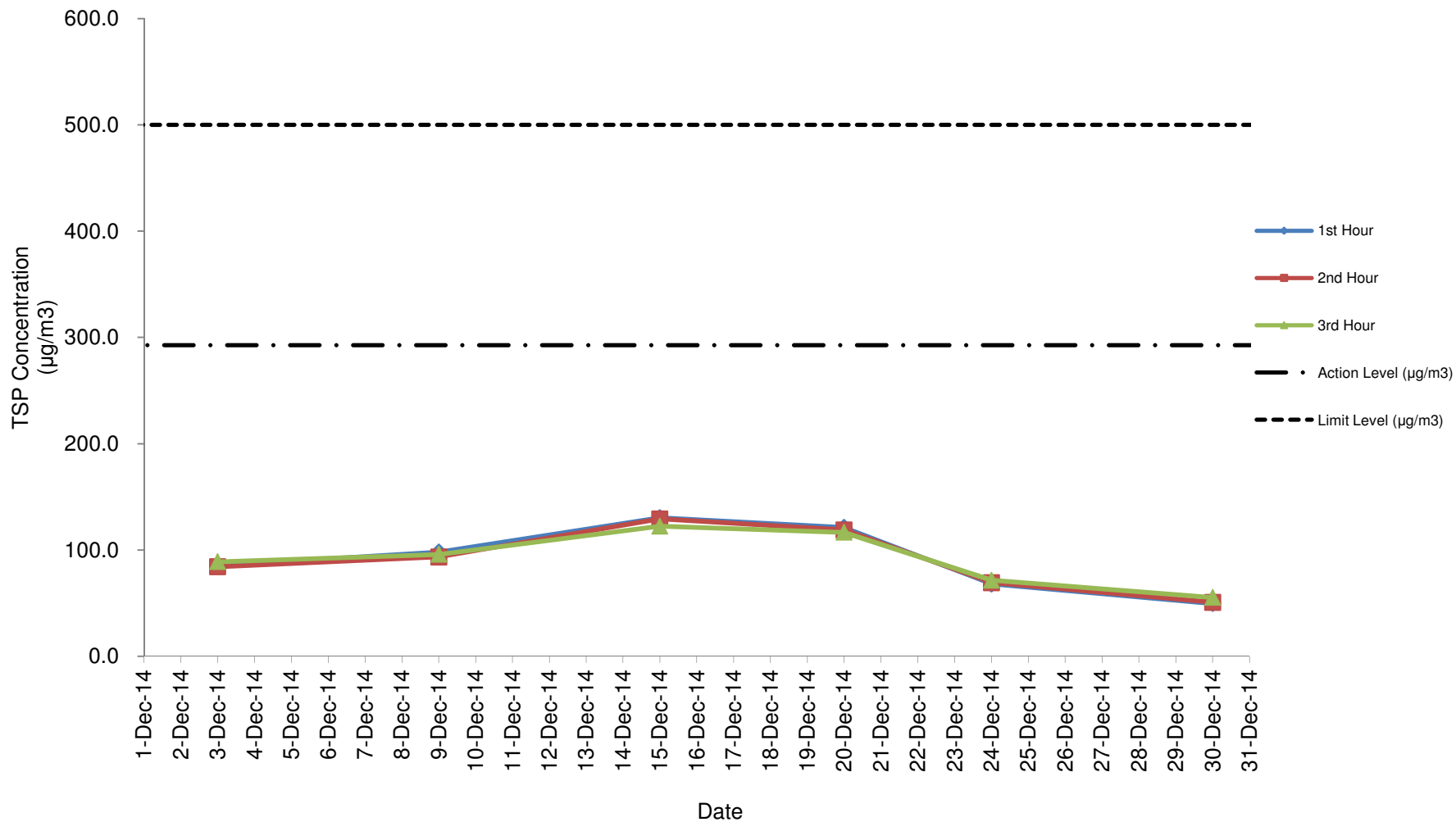
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Detailed Calculation of 1-Hour TSP Monitoring Result at Station: SR77

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						
3-Dec-14	Cloudy	A14A	2.7903	2.7977	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
		A14B	2.7614	2.7687	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
		A14C	2.7688	2.7765	0.0077	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	88.9	292.7	500.0	<5	N
9-Dec-14	Fine	A17A	2.7414	2.7499	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
		A17B	2.7661	2.7742	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
		A17C	2.7676	2.7759	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
15-Dec-14	Fine	A11A	2.7998	2.8111	0.0113	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	130.4	292.7	500.0	<5	N
		A11B	2.7730	2.7842	0.0112	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	129.3	292.7	500.0	<5	N
		A11C	2.7815	2.7921	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
20-Dec-14	Fine	A15A	2.7518	2.7623	0.0105	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	121.2	292.7	500.0	<5	N
		A15B	2.7798	2.7901	0.0103	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	118.9	292.7	500.0	<5	N
		A15C	2.8013	2.8114	0.0101	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	116.6	292.7	500.0	<5	N
24-Dec-14	Fine	B5A	2.7974	2.8033	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
		B5B	2.7781	2.7841	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
		B5C	2.6679	2.6741	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
30-Dec-14	Fine	B2A	2.8015	2.8058	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
		B2B	2.9811	2.9855	0.0044	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	50.8	292.7	500.0	<5	N
		B2C	2.8873	2.8921	0.0048	0.00	1.00	1.00	51	51	51.0	1.44	1.44	1.44	86.65	55.4	292.7	500.0	<5	N
															Average	91.6				
															Min	49.6				
															Max	130.4				

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 (September - December 2014)

