

Appendix F

Air Quality Monitoring Results and their Graphical Presentation

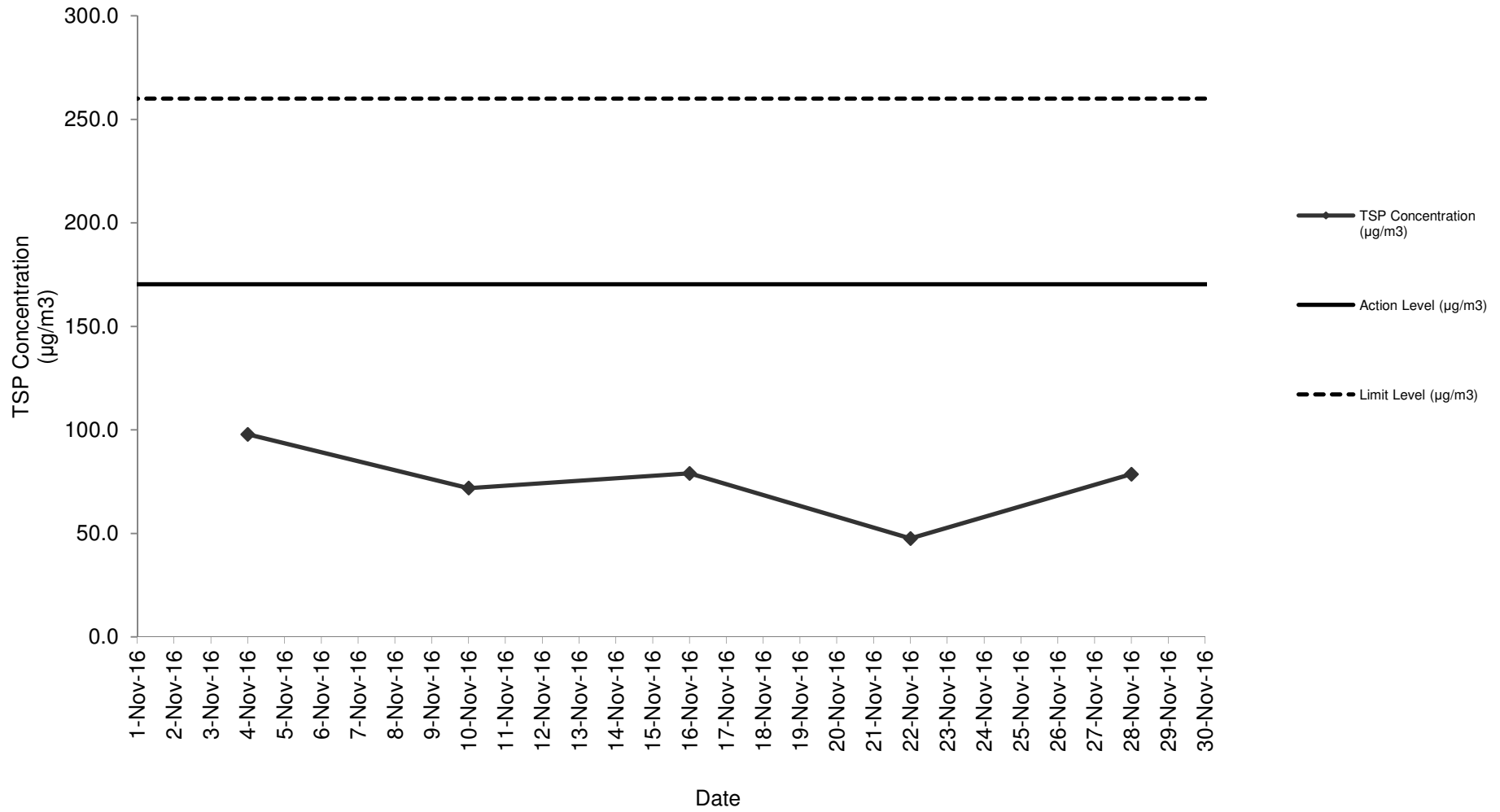
Appendix F
Air Quality Monitoring Results and their Graphical Presentation

24-Hour TSP Monitoring Result at Station: SR77

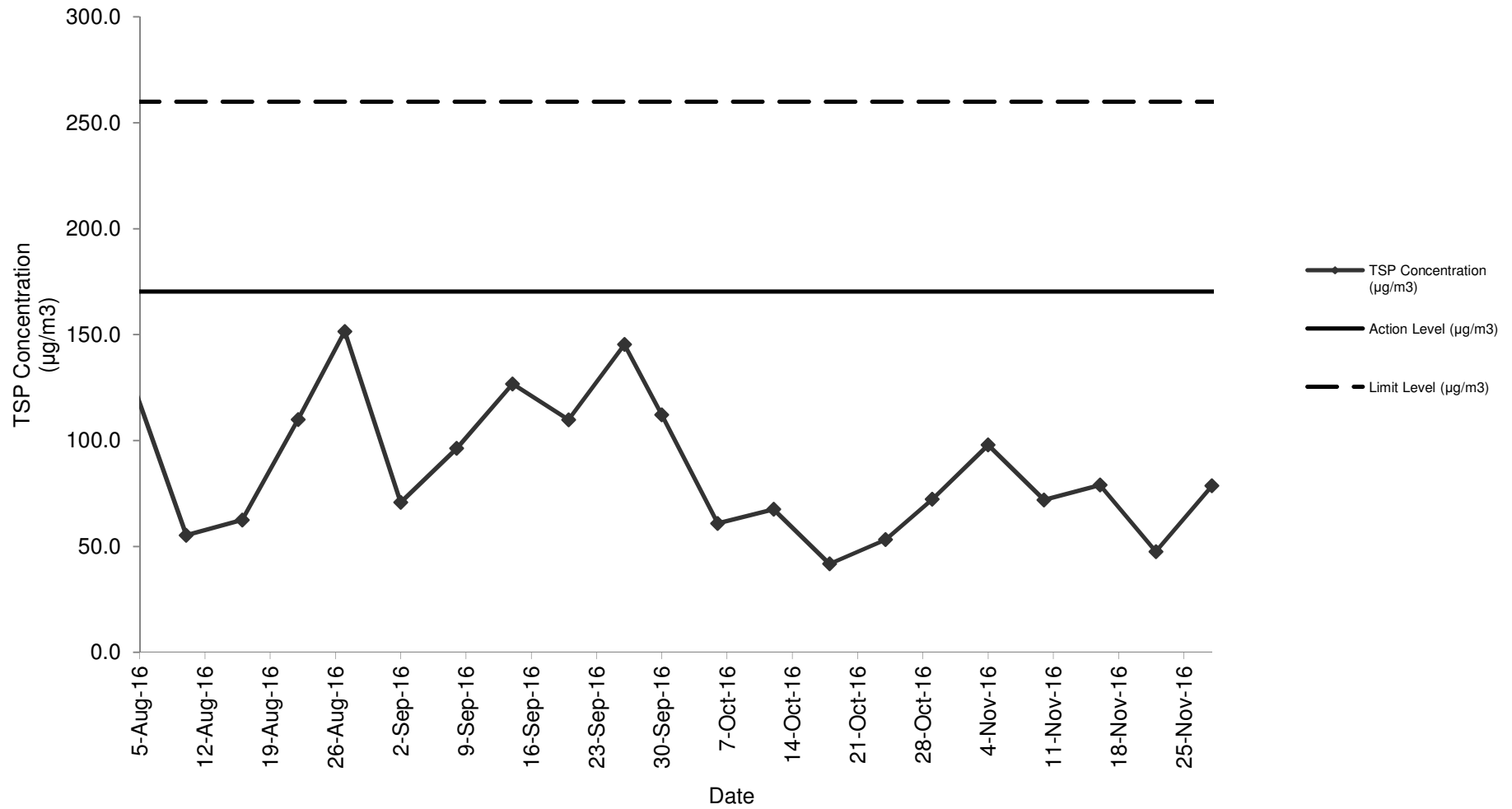
Sampling Date	Weather Condition	Starting Time	Paper No.	Wt. of paper (g)			Elapse Time			Flow Rate (CFM)			Flow Rate (m ³ /min)			Total Volume (m ³)	TSP Concentration (µg/m ³)	Action Level (µg/m ³)	Limit Level (µg/m ³)	Wind speed m/s	Wind direction
				Initial Wt.	Final Wt.	Wt. of Dust	Initial	Final	Sampling Hour	Initial	Final	Avg Flow Rate	Initial	Final	Avg Flow Rate						
4-Nov-16	Sunny	12:10	250	2.8834	3.0870	0.2036	5548.67	5572.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	97.9	170.3	260.0	<5	N
10-Nov-16	Cloud	12:11	252	2.9190	3.0686	0.1496	5575.67	5599.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	71.9	170.3	260.0	<5	N
16-Nov-16	Sunny	12:11	254	2.8624	3.0267	0.1643	5602.67	5626.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	79.0	170.3	260.0	<5	N
22-Nov-16	Rainy	12:10	256	2.8370	2.9359	0.0989	5629.67	5653.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	47.6	170.3	260.0	<5	N
28-Nov-16	Sunny	12:11	258	2.8753	3.0388	0.1635	5656.67	5680.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	78.6	170.3	260.0	<5	N
																Average	75.0				
																Min	47.6				
																Max	97.9				

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 (August 2016 - November 2016)



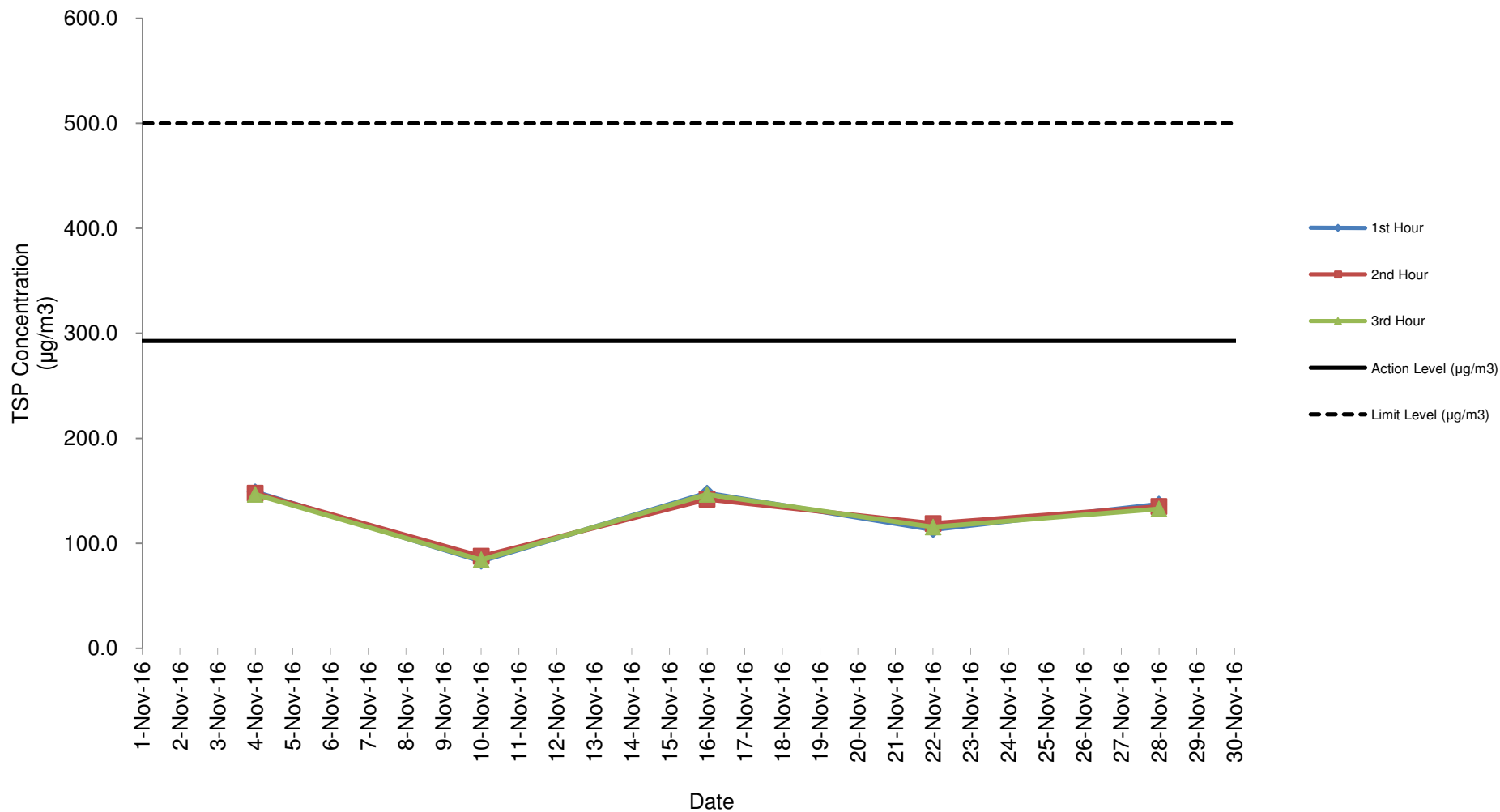
Appendix F
Air Quality Monitoring Results and their Graphical Presentation

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

Sampling Date	Weather Condition	Starting Time	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-16	Sunny	09:00	249A	2.9016	2.9145	0.0129	5545.67	5546.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	148.9	292.7	500.0	<5	N
	Sunny	10:03	249B	2.8699	2.8827	0.0128	5546.67	5547.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	147.7	292.7	500.0	<5	N
	Sunny	11:06	249C	2.8761	2.8888	0.0127	5547.67	5548.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	146.6	292.7	500.0	<5	N
10-Nov-16	Cloudy	09:00	251A	2.9034	2.9106	0.0072	5572.67	5573.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	83.1	292.7	500.0	<5	N
	Cloudy	10:03	251B	2.9055	2.9131	0.0076	5573.67	5574.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	87.7	292.7	500.0	<5	N
	Cloudy	11:07	251C	2.9018	2.9091	0.0073	5574.67	5575.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	84.2	292.7	500.0	<5	N
16-Nov-16	Sunny	09:00	253A	2.8809	2.8937	0.0128	5599.67	5600.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	147.7	292.7	500.0	<5	N
	Sunny	10:04	253B	2.8661	2.8784	0.0123	5600.67	5601.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	142.0	292.7	500.0	<5	N
	Sunny	11:07	253C	2.8914	2.9041	0.0127	5601.67	5602.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	146.6	292.7	500.0	<5	N
22-Nov-16	Rainy	09:00	255A	2.8890	2.8988	0.0098	5626.67	5627.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	113.1	292.7	500.0	<5	N
	Rainy	10:03	255B	2.8754	2.8857	0.0103	5627.67	5628.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	118.9	292.7	500.0	<5	N
	Rainy	11:06	255C	2.8811	2.8911	0.0100	5628.67	5629.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	115.4	292.7	500.0	<5	N
28-Nov-16	Sunny	09:00	257A	2.856	2.8679	0.0119	5653.67	5654.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	137.3	292.7	500.0	<5	N
	Sunny	10:03	257B	2.8446	2.8563	0.0117	5654.67	5655.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	135.0	292.7	500.0	<5	N
	Sunny	11:07	257C	2.8399	2.8514	0.0115	5655.67	5656.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	132.7	292.7	500.0	<5	N
Average																125.8					
Min																83.1					
Max																148.9					

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 2016 - November 2016)

