

Appendix F

Air Quality Monitoring Results and their Graphical Presentation

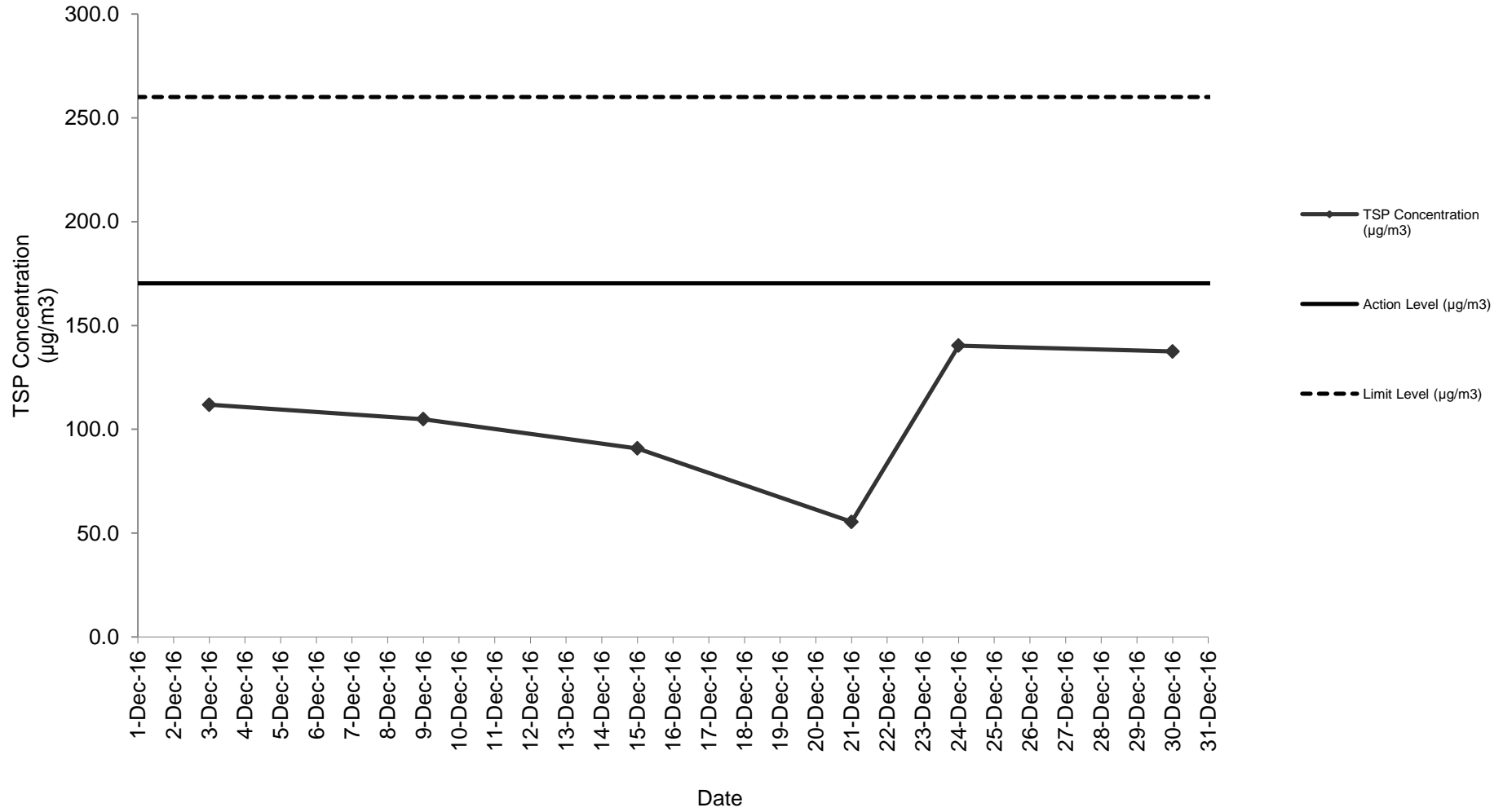
Appendix F
Air Quality Monitoring Results and their Graphical Presentation

24-Hour TSP Monitoring Result at Station: SR77

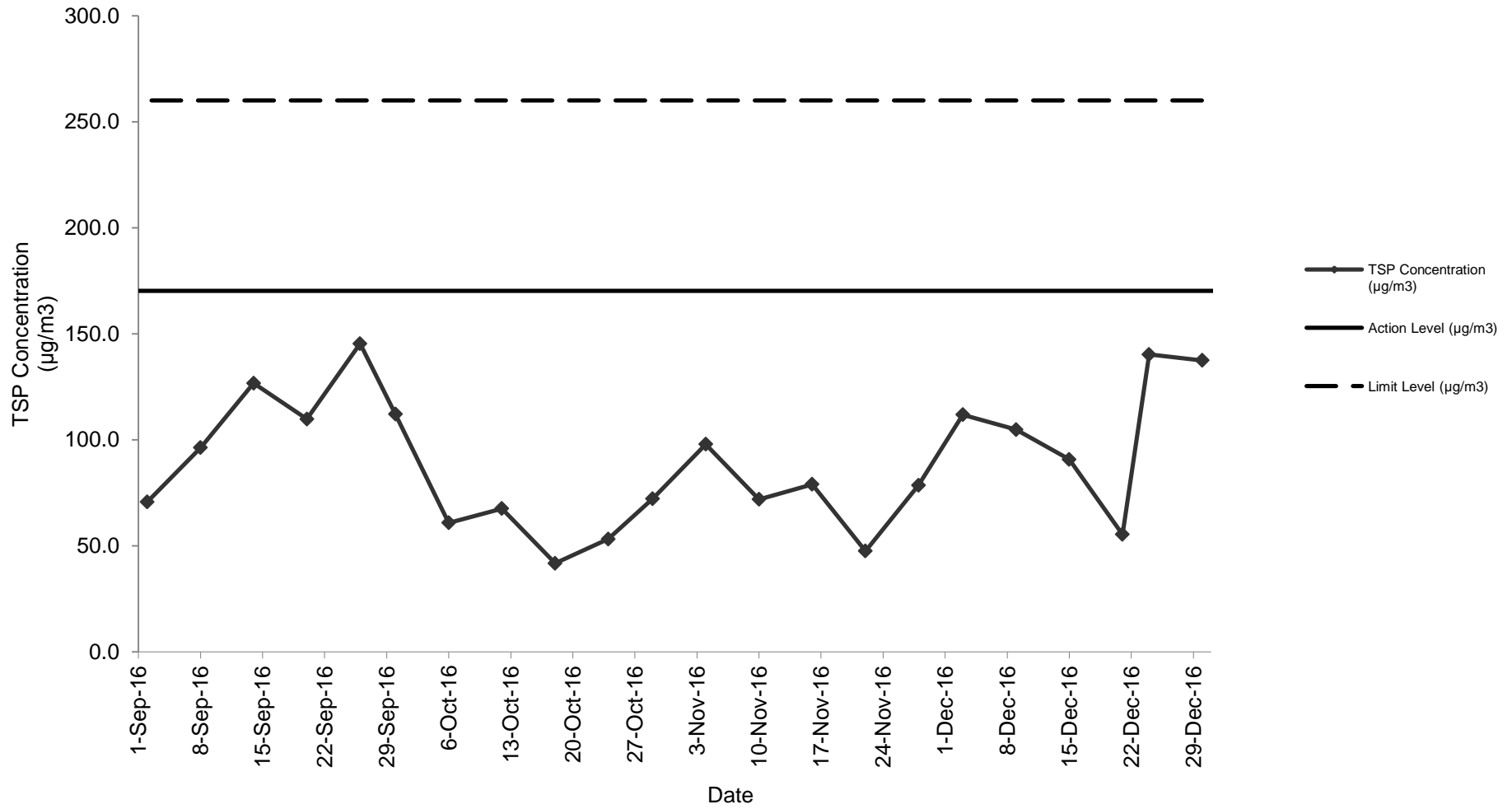
Sampling Date	Weather Condition	Starting Time	Paper No.	Wt. of paper (g)			Elapse Time			Flow Rate (CFM)			Flow Rate (m ³ /min)			Total Volume (m ³)	TSP Concentration (µg/m ³)	Action Level (µg/m ³)	Limit Level (µg/m ³)	Wind speed m/s	Wind direction
				Initial Wt.	Final Wt.	Wt. of Dust	Initial	Final	Sampling Hour	Initial	Final	Avg Flow Rate	Initial	Final	Avg Flow Rate						
3-Dec-16	Sunny	12:11	260	2.8577	3.0903	0.2326	5683.67	5707.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	111.8	170.3	260.0	<5	N
9-Dec-16	Fine	12:10	262	2.8545	3.0725	0.2180	5710.67	5734.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	104.8	170.3	260.0	<5	N
15-Dec-16	Sunny	12:09	264	2.8553	3.0441	0.1888	5737.67	5761.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	90.8	170.3	260.0	<5	N
21-Dec-16	Cloudy	12:09	266	2.8910	3.0062	0.1152	5764.67	5788.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	55.4	170.3	260.0	<5	N
24-Dec-16	Cloudy	12:10	268	2.8801	3.1718	0.2917	5791.67	5815.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	140.3	170.3	260.0	<5	N
30-Dec-16	Cloudy	12:11	270	2.8749	3.1608	0.2859	5818.67	5842.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	137.5	170.3	260.0	<5	N
																Average	106.8				
																Min	55.4				
																Max	140.3				

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
(September 2016 - December 2016)**



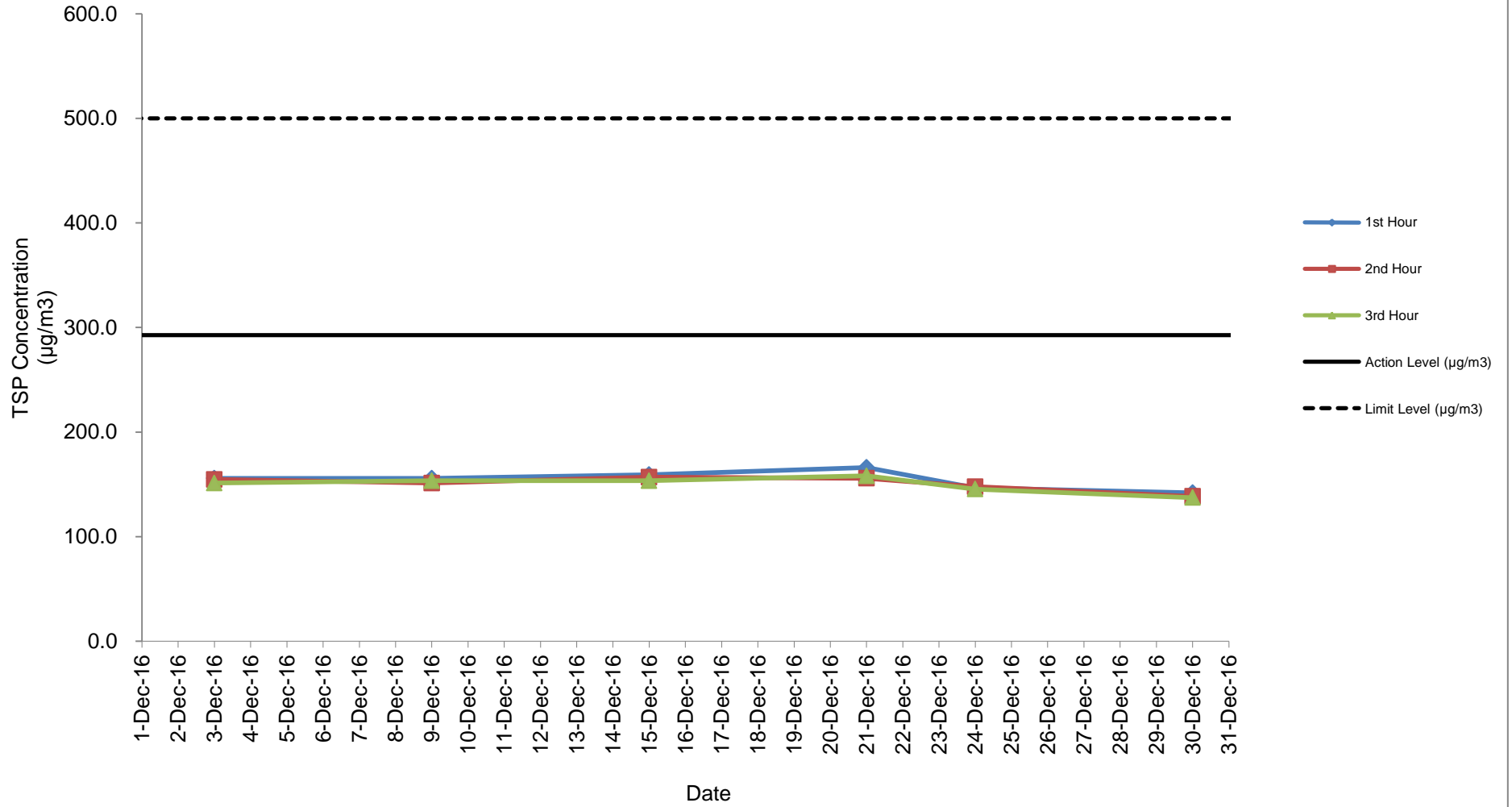
Appendix F
Air Quality Monitoring Results and their Graphical Presentation

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/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						
3-Dec-16	Sunny	09:00	259A	2.8647	2.8782	0.0135	5680.67	5681.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	155.8	292.7	500.0	<5	N
	Sunny	10:03	259B	2.8694	2.8828	0.0134	5681.67	5682.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	154.6	292.7	500.0	<5	N
	Sunny	11:07	259C	2.8703	2.8834	0.0131	5682.67	5683.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	151.2	292.7	500.0	<5	N
9-Dec-16	Fine	09:00	261A	2.8701	2.8836	0.0135	5707.67	5708.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	155.8	292.7	500.0	<5	N
	Fine	10:03	261B	2.8692	2.8823	0.0131	5708.67	5709.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	151.2	292.7	500.0	<5	N
	Fine	11:06	261C	2.8656	2.8789	0.0133	5709.67	5710.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	153.5	292.7	500.0	<5	N
15-Dec-16	Sunny	09:00	263A	2.8660	2.8798	0.0138	5734.67	5735.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	159.3	292.7	500.0	<5	N
	Sunny	10:03	263B	2.8541	2.8677	0.0136	5735.67	5736.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	157.0	292.7	500.0	<5	N
	Sunny	11:07	263C	2.8628	2.8761	0.0133	5736.67	5737.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	153.5	292.7	500.0	<5	N
21-Dec-16	Cloudy	09:00	265A	2.8505	2.8649	0.0144	5761.67	5762.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	166.2	292.7	500.0	<5	N
	Cloudy	10:02	265B	2.8611	2.8746	0.0135	5762.67	5763.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	155.8	292.7	500.0	<5	N
	Cloudy	11:05	265C	2.8473	2.8610	0.0137	5763.67	5764.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	158.1	292.7	500.0	<5	N
24-Dec-16	Cloudy	09:00	267A	2.9052	2.9179	0.0127	5788.67	5789.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	146.6	292.7	500.0	<5	N
	Cloudy	10:03	267B	2.8771	2.8899	0.0128	5789.67	5790.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	147.7	292.7	500.0	<5	N
	Cloudy	11:07	267C	2.8891	2.9017	0.0126	5790.67	5791.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	145.4	292.7	500.0	<5	N
30-Dec-16	Cloudy	09:00	269A	2.8598	2.8721	0.0123	5815.67	5816.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	142.0	292.7	500.0	<5	N
	Cloudy	10:03	269B	2.8651	2.8771	0.0120	5816.67	5817.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	138.5	292.7	500.0	<5	N
	Cloudy	11:08	269C	2.8771	2.889	0.0119	5817.67	5818.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	137.3	292.7	500.0	<5	N
																Average	151.6				
																Min	137.3				
																Max	166.2				

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 2016 - December 2016)

