

Appendix F

Air Quality Monitoring Results and their Graphical Presentation

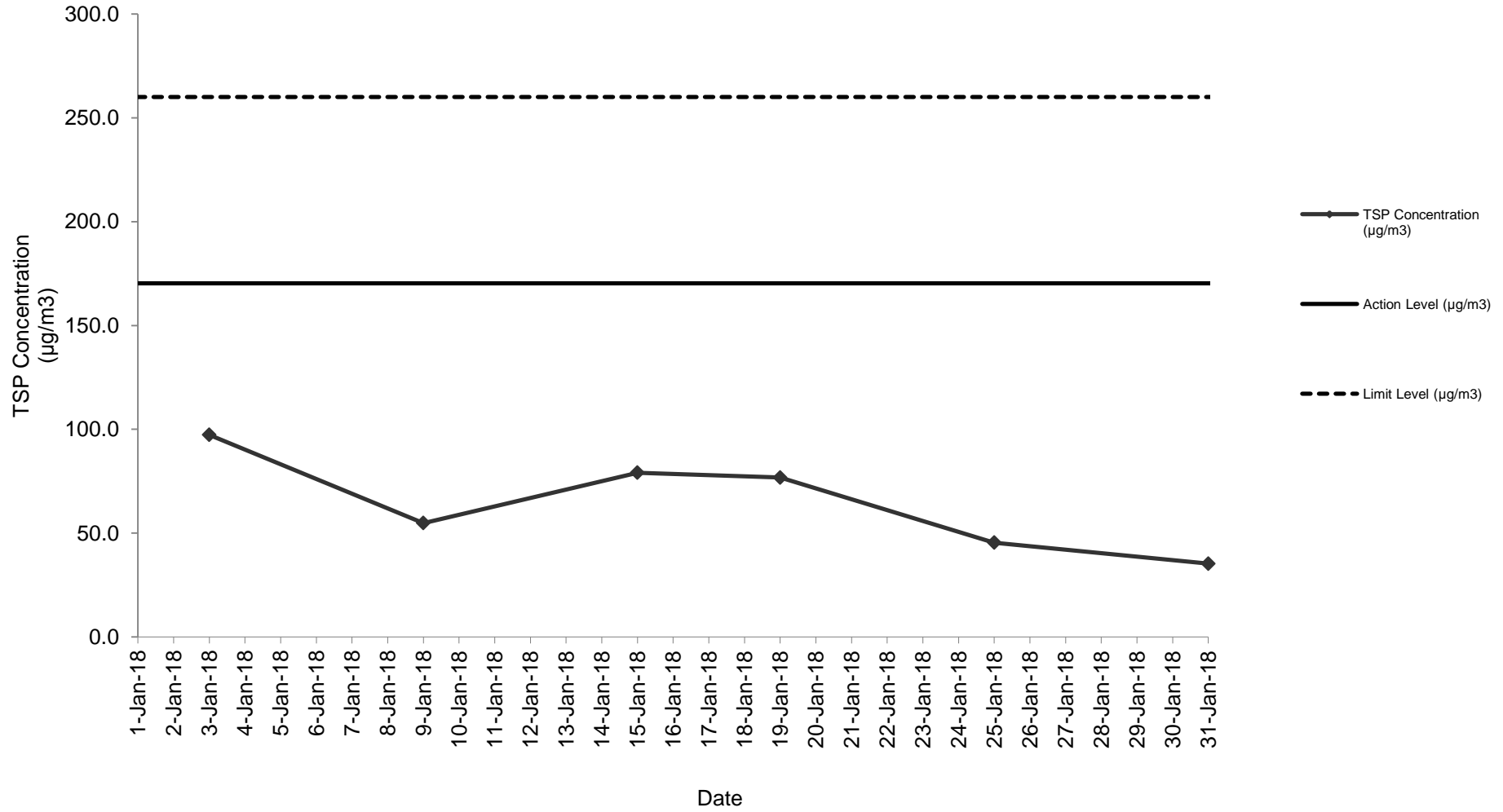
Appendix F
Air Quality Monitoring Results and their Graphical Presentation

24-Hour TSP Monitoring Result at Station: SR77

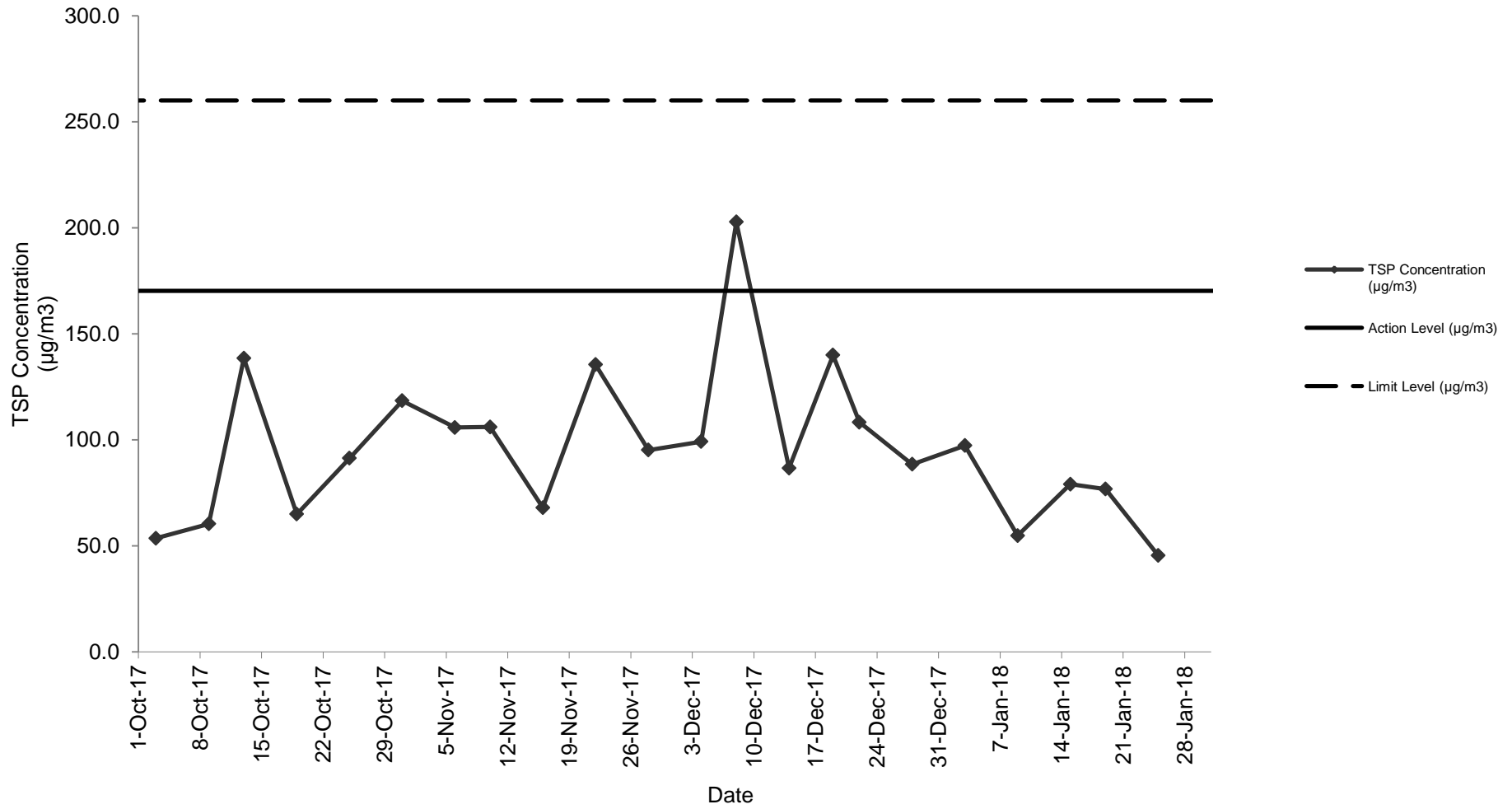
Sampling Date	Weather Condition	Starting Time	Paper No.	Wt. of paper (g)			Elapse Time			Flow Rate (CFM)			Flow Rate (m ³ /min)			Total Volume (m ³)	TSP Concentration (µg/m ³)	Action Level (µg/m ³)	Limit Level (µg/m ³)	Wind speed m/s	Wind direction	NOE	IR
				Initial Wt.	Final Wt.	Wt. of Dust	Initial	Final	Sampling Hour	Initial	Final	Avg Flow Rate	Initial	Final	Avg Flow Rate								
3-Jan-18	Fine	12:11	CC128	2.8619	3.0643	0.2024	7630.67	7654.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	97.3	170.3	260.0	<5	N		
9-Jan-18	Cloudy	12:12	CC130	2.8888	3.0028	0.1140	7657.67	7681.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	54.8	170.3	260.0	<5	N		
15-Jan-18	Sunny	12:10	C484	2.8237	2.9882	0.1645	7684.67	7708.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	79.1	170.3	260.0	<5	N		
19-Jan-18	Fine	12:11	C486	2.8015	2.9612	0.1597	7711.67	7735.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	76.8	170.3	260.0	<5	N		
25-Jan-18	Fine	12:13	C488	2.8839	2.9784	0.0945	7738.67	7762.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	45.4	170.3	260.0	<6	N		
31-Jan-18	Cloudy	12:10	C490	2.8736	2.9470	0.0734	7765.67	7789.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	35.3	170.3	260.0	<5	N		
																Average	64.8						
																Min	35.3						
																Max	97.3						

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

24-Hour TSP Monitoring Result at Station: SR77



24-Hour TSP Monitoring Result at Station: SR77 (October 2017 - January 2018)



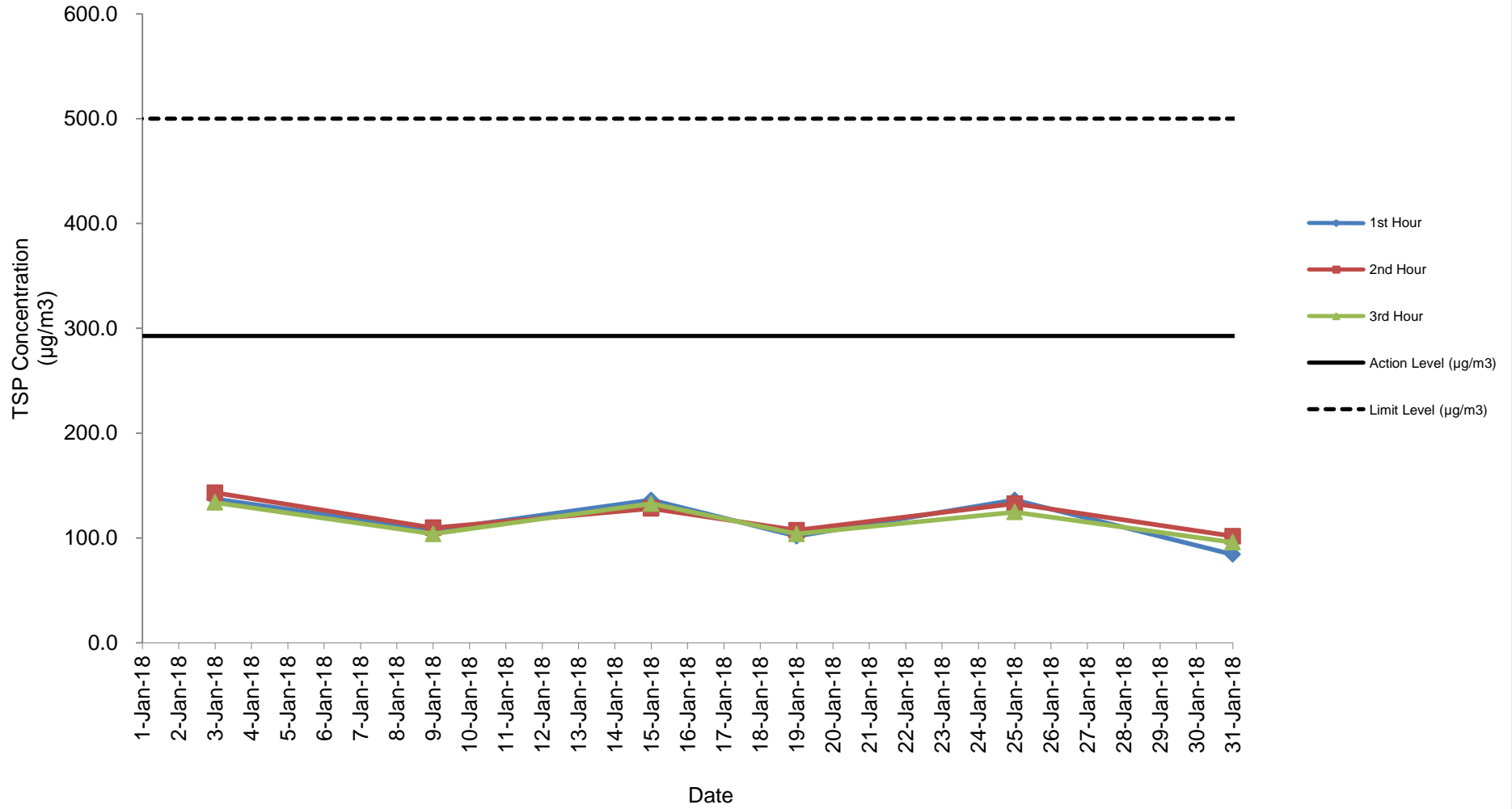
Appendix F
Air Quality Monitoring Results and their Graphical Presentation

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						
3-Jan-18	Fine	09:00	CC129A	2.8538	2.8657	0.0119	7627.67	7628.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	137.3	292.7	500.0	<5	N
	Fine	10:04	CC129B	2.8177	2.8301	0.0124	7628.67	7629.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	143.1	292.7	500.0	<5	N
	Fine	11:08	CC129C	2.8265	2.8381	0.0116	7629.67	7630.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	133.9	292.7	500.0	<5	N
9-Jan-18	Cloudy	09:00	CC131A	2.8816	2.8909	0.0093	7654.67	7655.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	107.3	292.7	500.0	<5	N
	Cloudy	10:03	CC131B	2.8591	2.8686	0.0095	7655.67	7656.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	109.6	292.7	500.0	<5	N
	Cloudy	11:08	CC131C	2.8771	2.8861	0.0090	7656.67	7657.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	103.9	292.7	500.0	<5	N
15-Jan-18	Sunny	09:00	C485A	2.8118	2.8236	0.0118	7681.67	7682.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	136.2	292.7	500.0	<5	N
	Sunny	10:03	C485B	2.8226	2.8337	0.0111	7682.67	7683.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	128.1	292.7	500.0	<5	N
	Sunny	11:08	C485C	2.8143	2.8258	0.0115	7683.67	7684.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	132.7	292.7	500.0	<5	N
19-Jan-18	Fine	09:00	C487A	2.7966	2.8054	0.0088	7708.67	7709.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	101.6	292.7	500.0	<5	N
	Fine	10:02	C487B	2.7840	2.7933	0.0093	7709.67	7710.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	107.3	292.7	500.0	<5	N
	Fine	11:08	C487C	2.7731	2.7821	0.0090	7710.67	7711.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	103.9	292.7	500.0	<6	N
25-Jan-18	Fine	09:00	C489A	2.8783	2.8901	0.0118	7735.67	7736.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	136.2	292.7	500.0	<7	N
	Fine	10:03	C489B	2.8446	2.8561	0.0115	7736.67	7737.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	132.7	292.7	500.0	<8	N
	Fine	11:08	C489C	2.8593	2.8701	0.0108	7737.67	7738.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	124.6	292.7	500.0	<9	N
31-Jan-18	Cloudy	09:00	C491A	2.8715	2.8788	0.0073	7762.67	7763.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	84.2	292.7	500.0	<10	N
	Cloudy	10:03	C491B	2.8554	2.8642	0.0088	7763.67	7764.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	101.6	292.7	500.0	<11	N
	Cloudy	11:08	C491C	2.8498	2.8581	0.0083	7764.67	7765.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	95.8	292.7	500.0	<12	N
																Average	117.8				
																Min	84.2				
																Max	143.1				

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 (October 2017 - January 2018)

