

Appendix F

Air Quality Monitoring Results and their Graphical Presentation

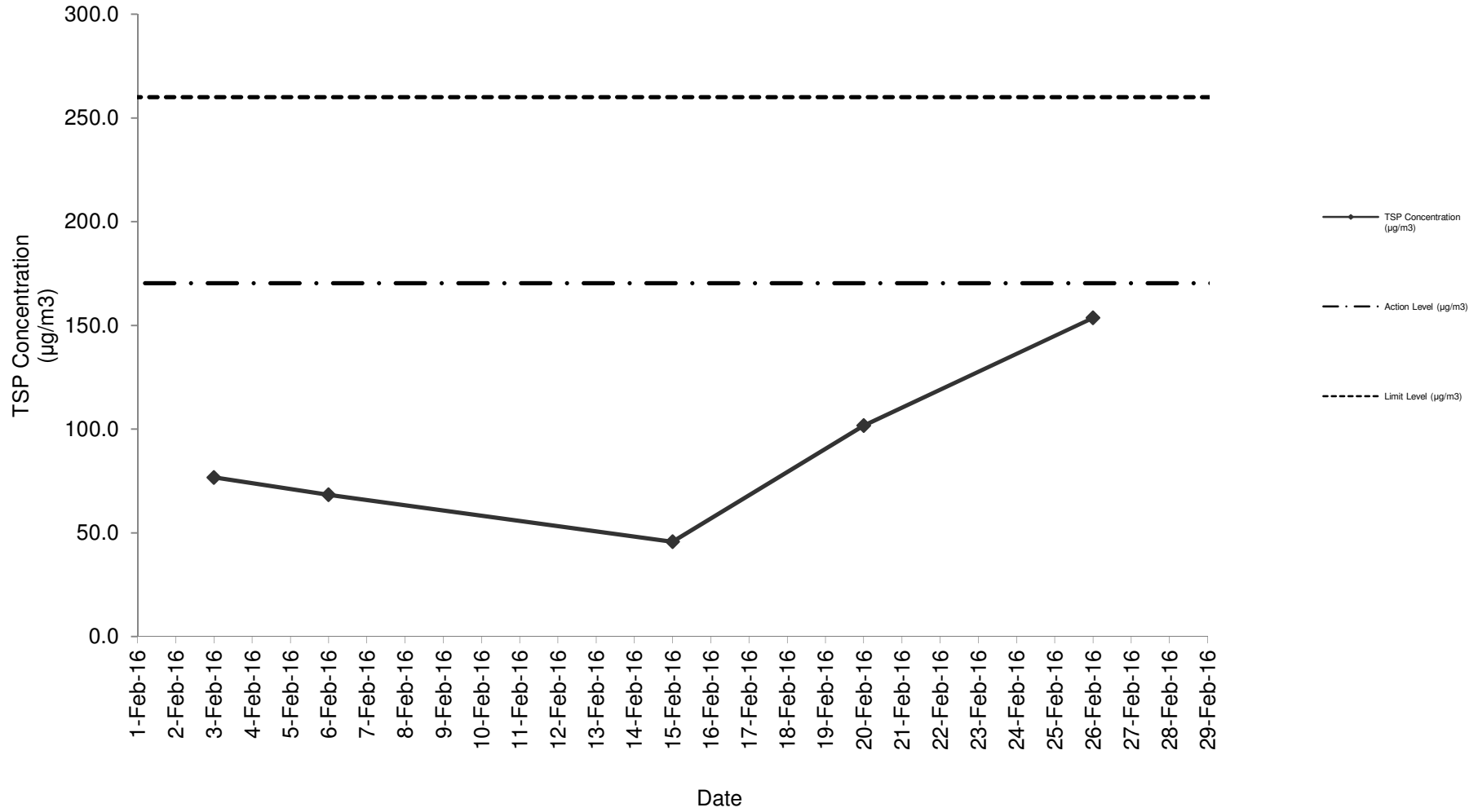
Appendix F
Air Quality Monitoring Results and their Graphical Presentation

24-Hour TSP Monitoring Result at Station: SR77

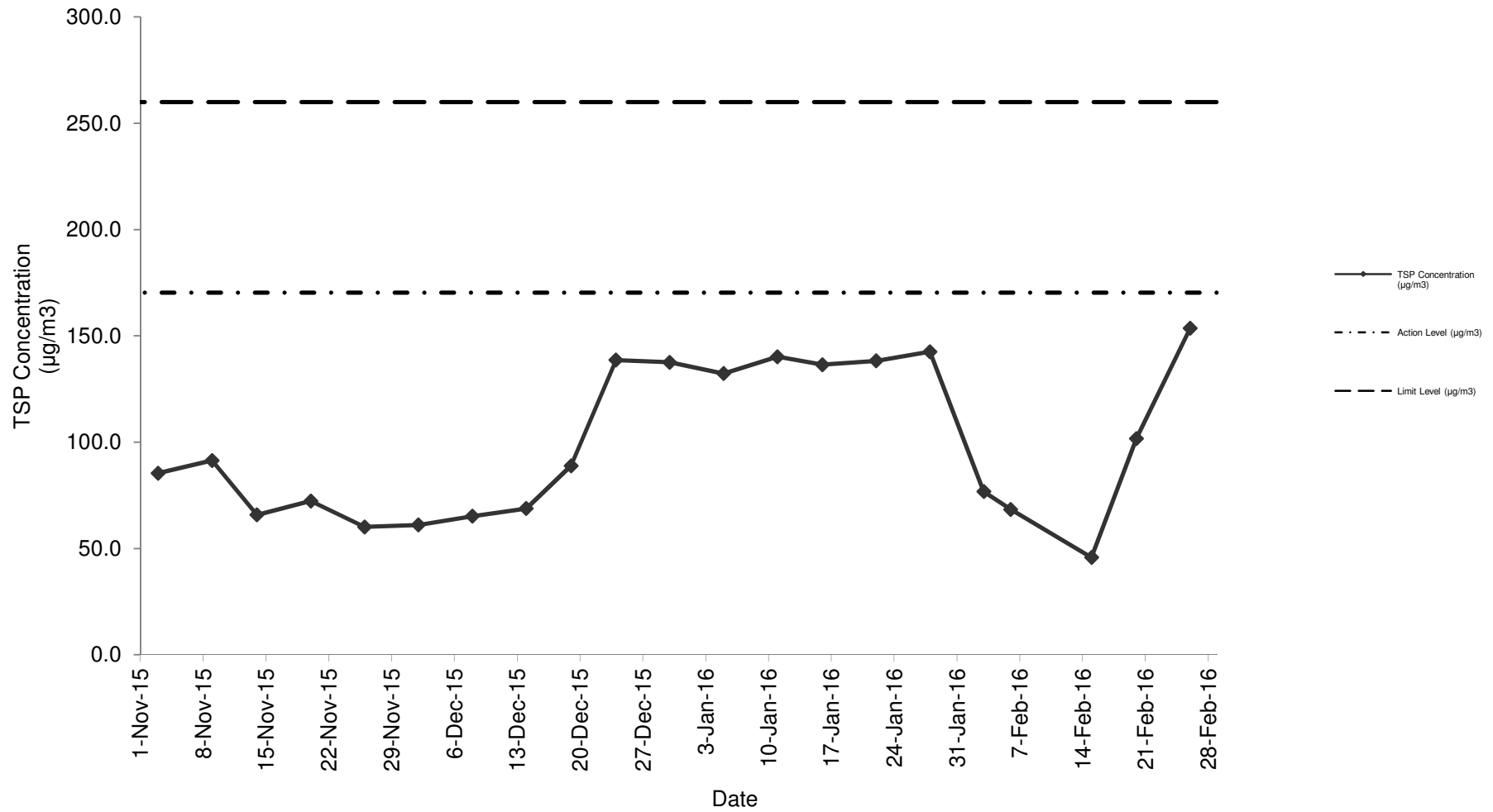
Sampling Date	Weather Condition	Starting Time	Paper No.	Wt. of paper (g)			Elapse Time			Flow Rate (CFM)			Flow Rate (m ³ /min)			Total Volume (m ³)	TSP Concentration (µg/m ³)	Action Level (µg/m ³)	Limit Level (µg/m ³)	Wind speed m/s	Wind direction
				Initial Wt.	Final Wt.	Wt. of Dust	Initial	Final	Sampling Hour	Initial	Final	Avg Flow Rate	Initial	Final	Avg Flow Rate						
3-Feb-16	Cloudy	12:12	C154	2.8024	2.9620	0.1596	4387.67	4411.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	76.7	170.3	260.0	<5	N
6-Feb-16	Cloudy	12:11	C156	2.7981	2.9403	0.1422	4414.67	4438.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	68.4	170.3	260.0	<5	N
15-Feb-16	Cloudy	12:12	C158	2.7951	2.8902	0.0951	4441.67	4465.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	45.7	170.3	260.0	<5	N
20-Feb-16	Cloudy	12:10	C160	2.8210	3.0325	0.2115	4468.67	4492.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	101.7	170.3	260.0	<5	N
26-Feb-16	Fine	12:09	C162	2.8027	3.1222	0.3195	4495.67	4519.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	153.6	170.3	260.0	<5	N
																Average	89.2				
																Min	45.7				
																Max	153.6				

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 (November 2015 - February 2016)



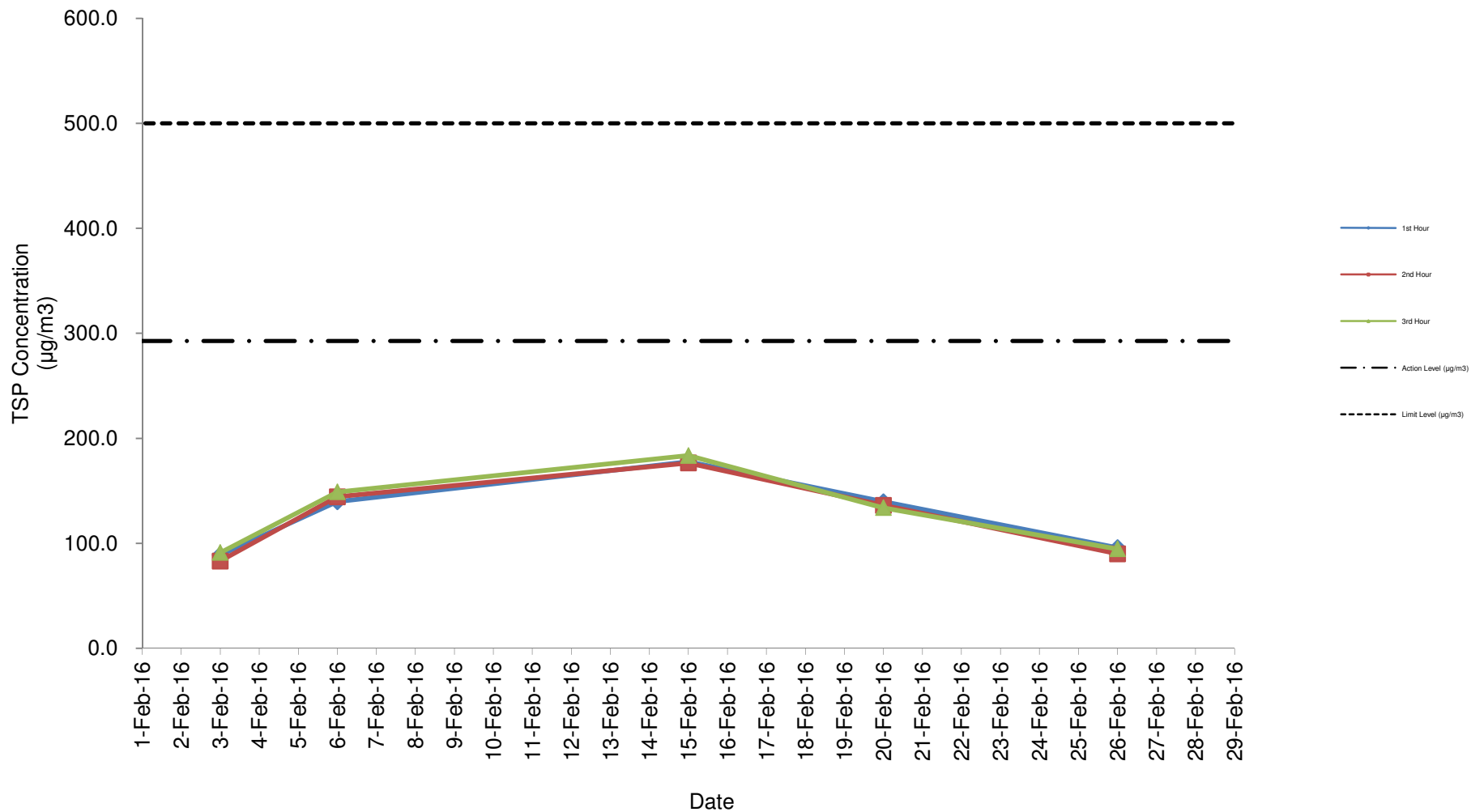
Appendix F
Air Quality Monitoring Results and their Graphical Presentation

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						
3-Feb-16	Cloudy	09:00	C155A	2.8077	2.8154	0.0077	4384.67	4385.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	88.9	292.7	500.0	<5	N
	Cloudy	10:03	C155B	2.8064	2.8136	0.0072	4385.67	4386.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	83.1	292.7	500.0	<5	N
	Cloudy	11:07	C155C	2.8059	2.8138	0.0079	4386.67	4387.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	91.2	292.7	500.0	<5	N
6-Feb-16	Cloudy	09:00	C157A	2.7970	2.8091	0.0121	4411.67	4412.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	139.6	292.7	500.0	<5	N
	Cloudy	10:03	C157B	2.7949	2.8074	0.0125	4412.67	4413.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	144.3	292.7	500.0	<5	N
	Cloudy	11:08	C157C	2.8114	2.8243	0.0129	4413.67	4414.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	148.9	292.7	500.0	<5	N
15-Feb-16	Cloudy	09:00	C159A	2.7949	2.8103	0.0154	4438.67	4439.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	177.7	292.7	500.0	<5	N
	Cloudy	10:04	C159B	2.7868	2.8021	0.0153	4439.67	4440.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	176.6	292.7	500.0	<5	N
	Cloudy	11:07	C159C	2.7917	2.8076	0.0159	4440.67	4441.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	183.5	292.7	500.0	<5	N
20-Feb-16	Cloudy	09:00	C161A	2.7760	2.7881	0.0121	4465.67	4466.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	139.6	292.7	500.0	<5	N
	Cloudy	10:03	C161B	2.7850	2.7968	0.0118	4466.67	4467.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	136.2	292.7	500.0	<5	N
	Cloudy	11:07	C161C	2.7910	2.8026	0.0116	4467.67	4468.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	133.9	292.7	500.0	<5	N
26-Feb-16	Fine	09:00	C163A	2.8045	2.8128	0.0083	4492.67	4493.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	95.8	292.7	500.0	<5	N
	Fine	10:03	C163B	2.7863	2.7941	0.0078	4493.67	4494.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	90.0	292.7	500.0	<5	N
	Fine	11:06	C163C	2.7889	2.7971	0.0082	4494.67	4495.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	94.6	292.7	500.0	<5	N
Average																128.3					
Min																83.1					
Max																183.5					

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 (November 2015 - February 2016)

