

Appendix F

Air Quality Monitoring Results and their Graphical Presentation

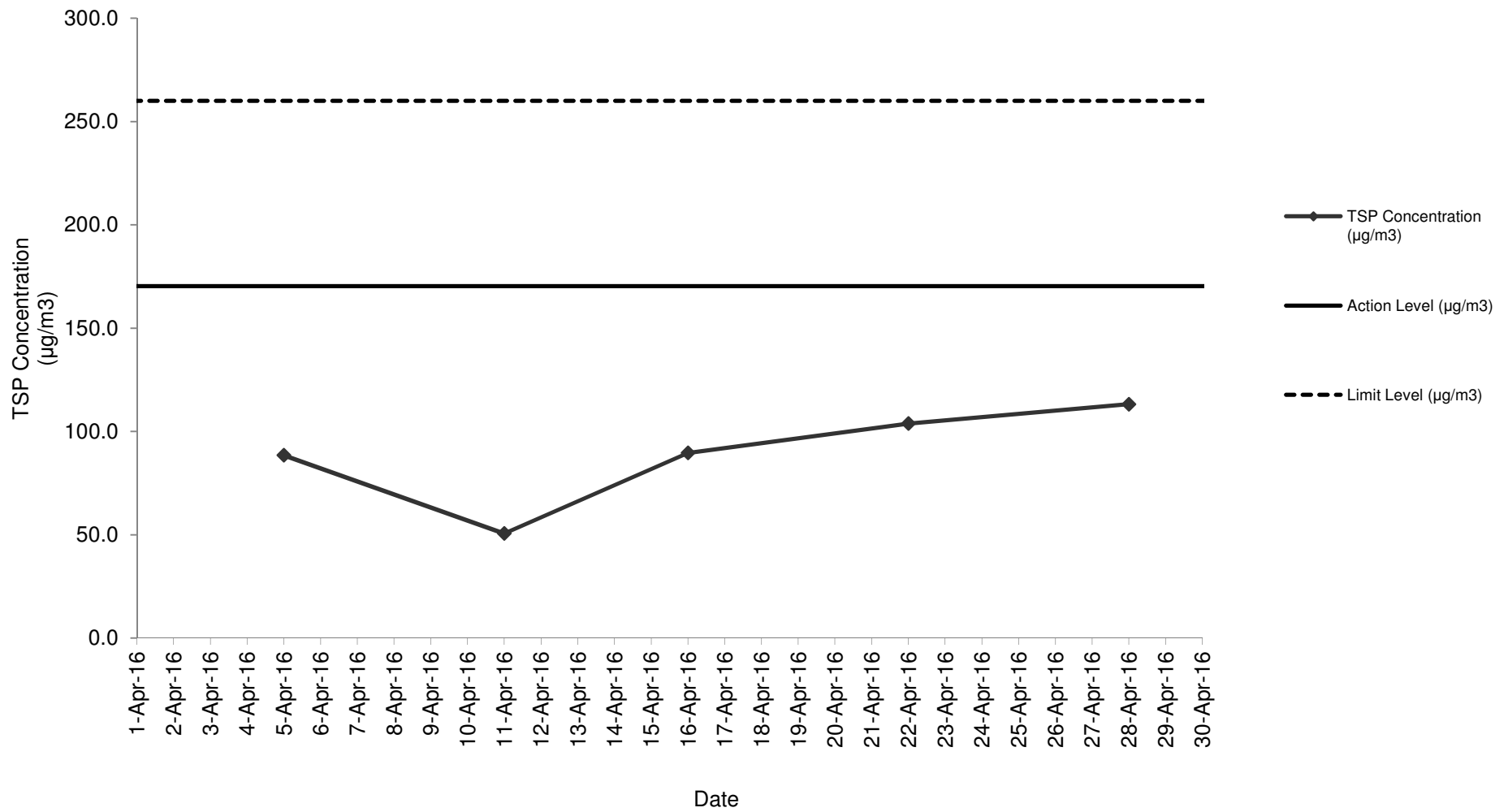
Appendix F
Air Quality Monitoring Results and their Graphical Presentation

24-Hour TSP Monitoring Result at Station: SR77

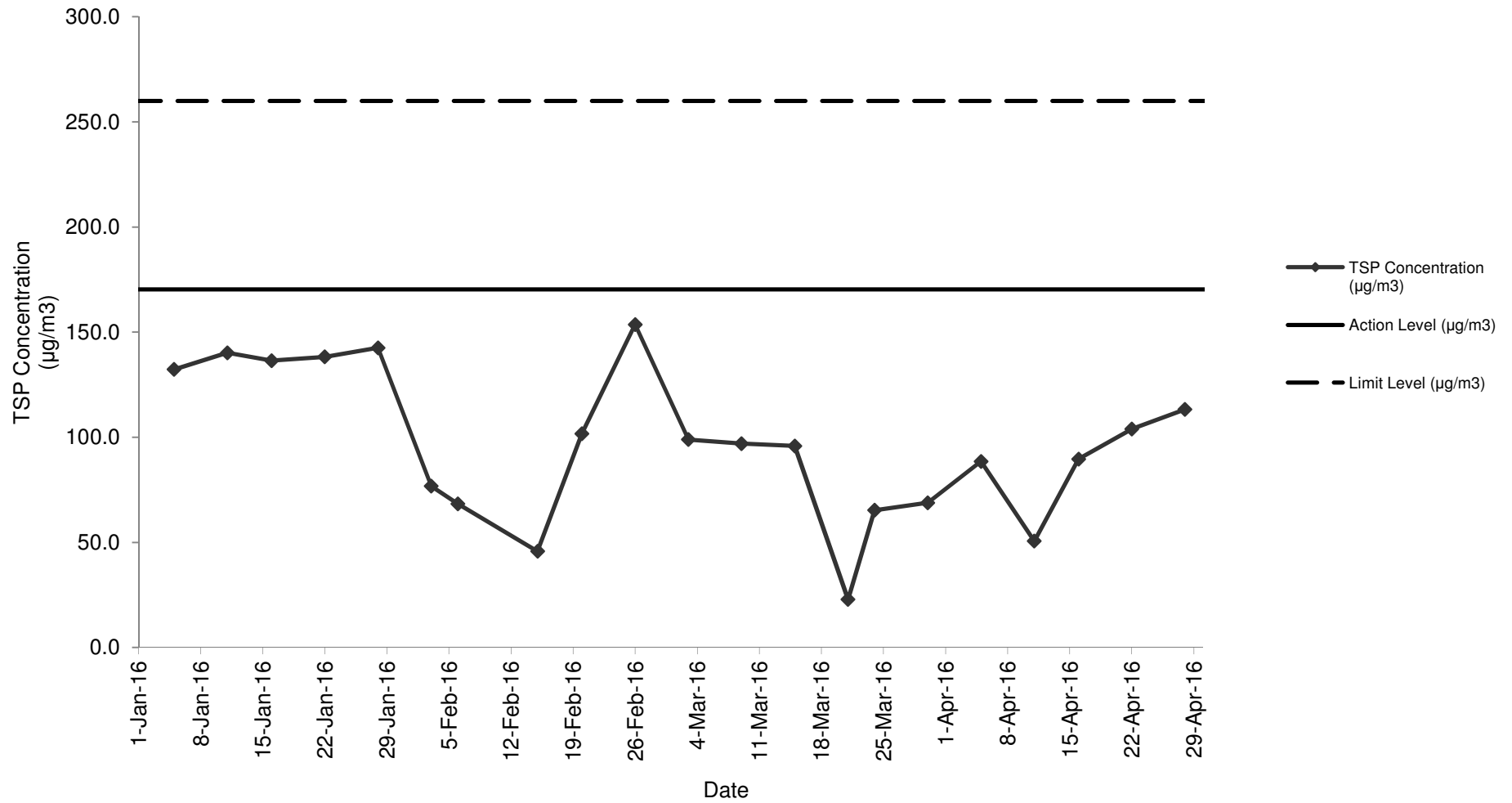
Sampling Date	Weather Condition	Starting Time	Paper No.	Wt. of paper (g)			Elapse Time			Flow Rate (CFM)			Flow Rate (m ³ /min)			Total Volume (m ³)	TSP Concentration (µg/m ³)	Action Level (µg/m ³)	Limit Level (µg/m ³)	Wind speed m/s	Wind direction
				Initial Wt.	Final Wt.	Wt. of Dust	Initial	Final	Sampling Hour	Initial	Final	Avg Flow Rate	Initial	Final	Avg Flow Rate						
5-Apr-16	Sunny	12:09	C176	2.8221	3.0062	0.1841	4684.67	4708.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	88.5	170.3	260.0	<5	N
11-Apr-16	Rainy	12:10	C178	2.8817	2.9870	0.1053	4711.67	4735.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	50.6	170.3	260.0	<5	N
16-Apr-16	Cloudy	12:11	C180	2.8874	3.0738	0.1864	4738.67	4762.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	89.6	170.3	260.0	<5	N
22-Apr-16	Rainy	12:10	C182	2.8541	3.0701	0.2160	4765.67	4789.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	103.9	170.3	260.0	<5	N
28-Apr-16	Fine	12:11	C184	2.8314	3.0668	0.2354	4792.67	4816.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	113.2	170.3	260.0	<5	N
																Average	89.2				
																Min	50.6				
																Max	113.2				

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 (January 2016 - April 2016)



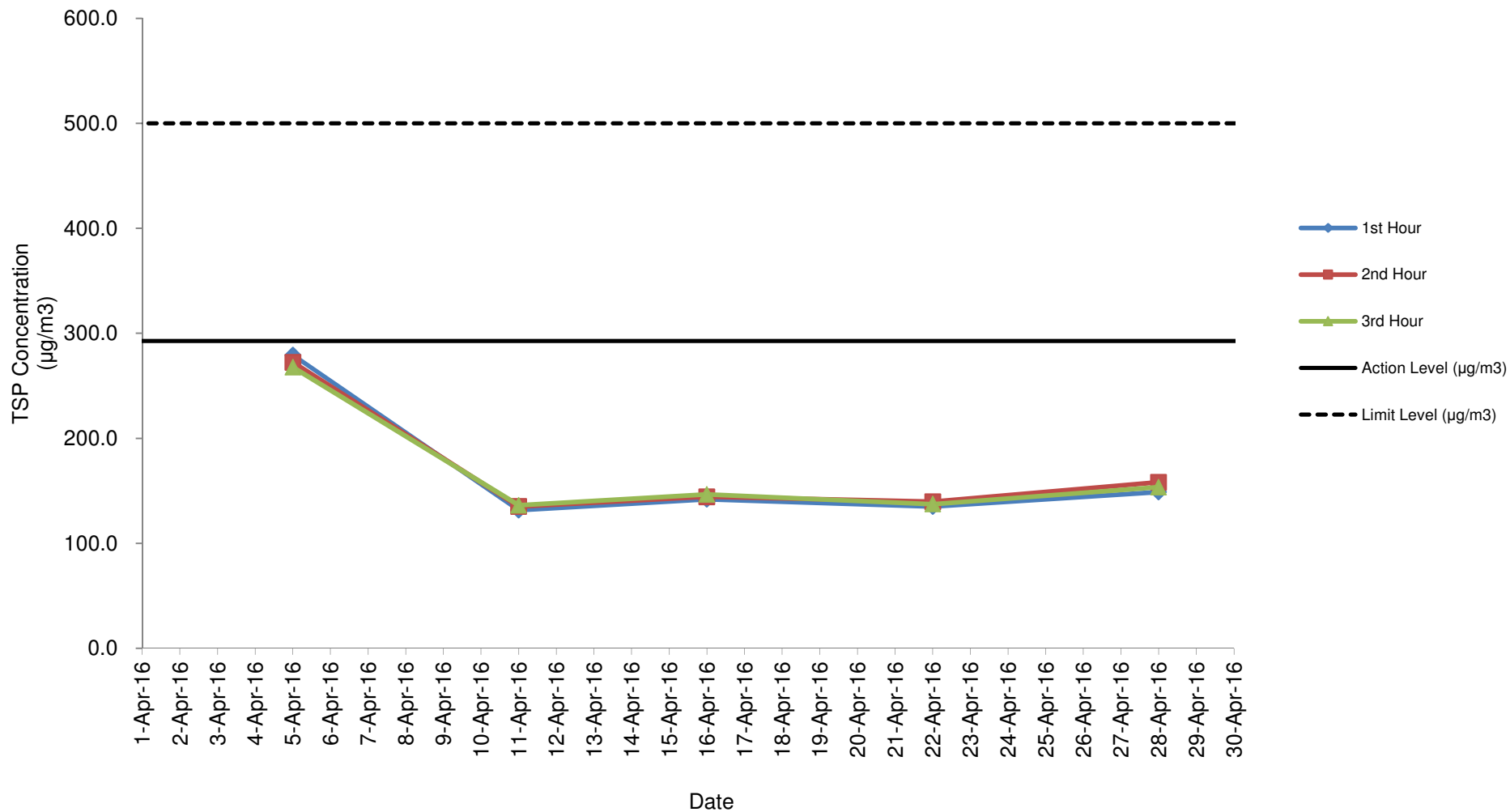
Appendix F
Air Quality Monitoring Results and their Graphical Presentation

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						
5-Apr-16	Sunny	09:00	C177A	2.8323	2.8565	0.0242	4681.67	4682.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	279.3	292.7	500.0	<5	N
	Sunny	10:03	C177B	2.7823	2.8059	0.0236	4682.67	4683.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	272.4	292.7	500.0	<5	N
	Sunny	11:06	C177C	2.8133	2.8365	0.0232	4683.67	4684.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	267.7	292.7	500.0	<5	N
11-Apr-16	Cloudy	09:00	C179A	2.8347	2.8461	0.0114	4708.67	4709.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	131.6	292.7	500.0	<5	N
	Cloudy	10:04	C179B	2.8114	2.8231	0.0117	4709.67	4710.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	135.0	292.7	500.0	<5	N
	Cloudy	11:07	C179C	2.7933	2.8051	0.0118	4710.67	4711.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	136.2	292.7	500.0	<5	N
16-Apr-16	Cloudy	09:00	C181A	2.8723	2.8846	0.0123	4735.67	4736.67	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	C181B	2.8329	2.8454	0.0125	4736.67	4737.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	144.3	292.7	500.0	<5	N
	Cloudy	11:06	C181C	2.8217	2.8344	0.0127	4737.67	4738.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	146.6	292.7	500.0	<5	N
22-Apr-16	Cloudy	09:00	C183A	2.8334	2.8451	0.0117	4762.67	4763.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	135.0	292.7	500.0	<5	N
	Cloudy	10:03	C183B	2.8198	2.8319	0.0121	4763.67	4764.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	139.6	292.7	500.0	<5	N
	Cloudy	11:06	C183C	2.8115	2.8234	0.0119	4764.67	4765.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	137.3	292.7	500.0	<5	N
28-Apr-16	Fine	09:00	C185A	2.8341	2.8470	0.0129	4789.67	4790.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	148.9	292.7	500.0	<5	N
	Fine	10:03	C185B	2.8317	2.8454	0.0137	4790.67	4791.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	158.1	292.7	500.0	<5	N
	Fine	11:06	C185C	2.8228	2.8361	0.0133	4791.67	4792.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	153.5	292.7	500.0	<5	N
Average																168.5					
Min																131.6					
Max																279.3					

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

1-Hour TSP Monitoring Result at station: SR77



1-Hour TSP Monitoring Result at station: SR77 (January 2016 - April 2016)

