

Appendix F

Air Quality Monitoring Results and their Graphical Presentation

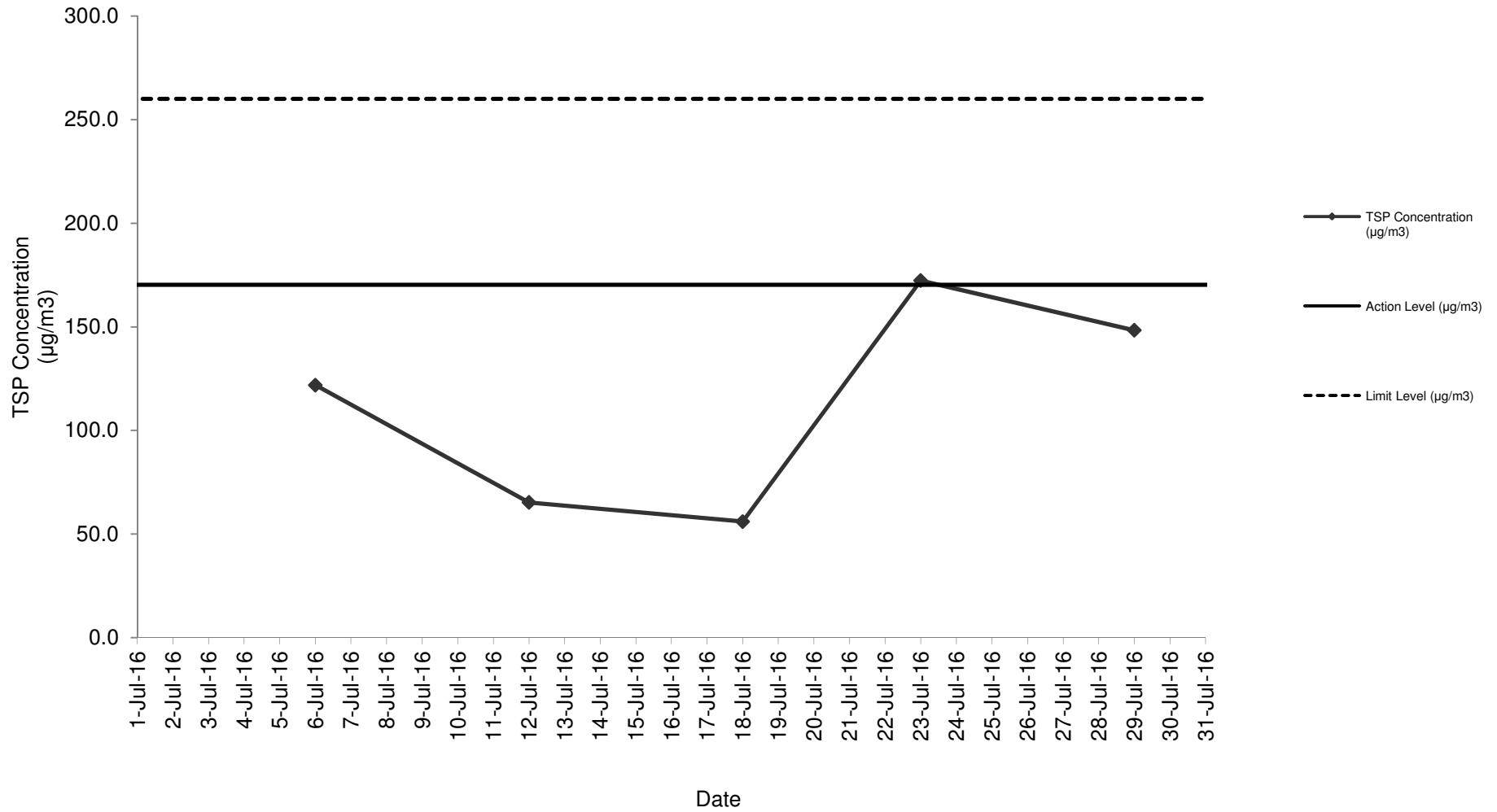
Appendix F
Air Quality Monitoring Results and their Graphical Presentation

24-Hour TSP Monitoring Result at Station: SR77

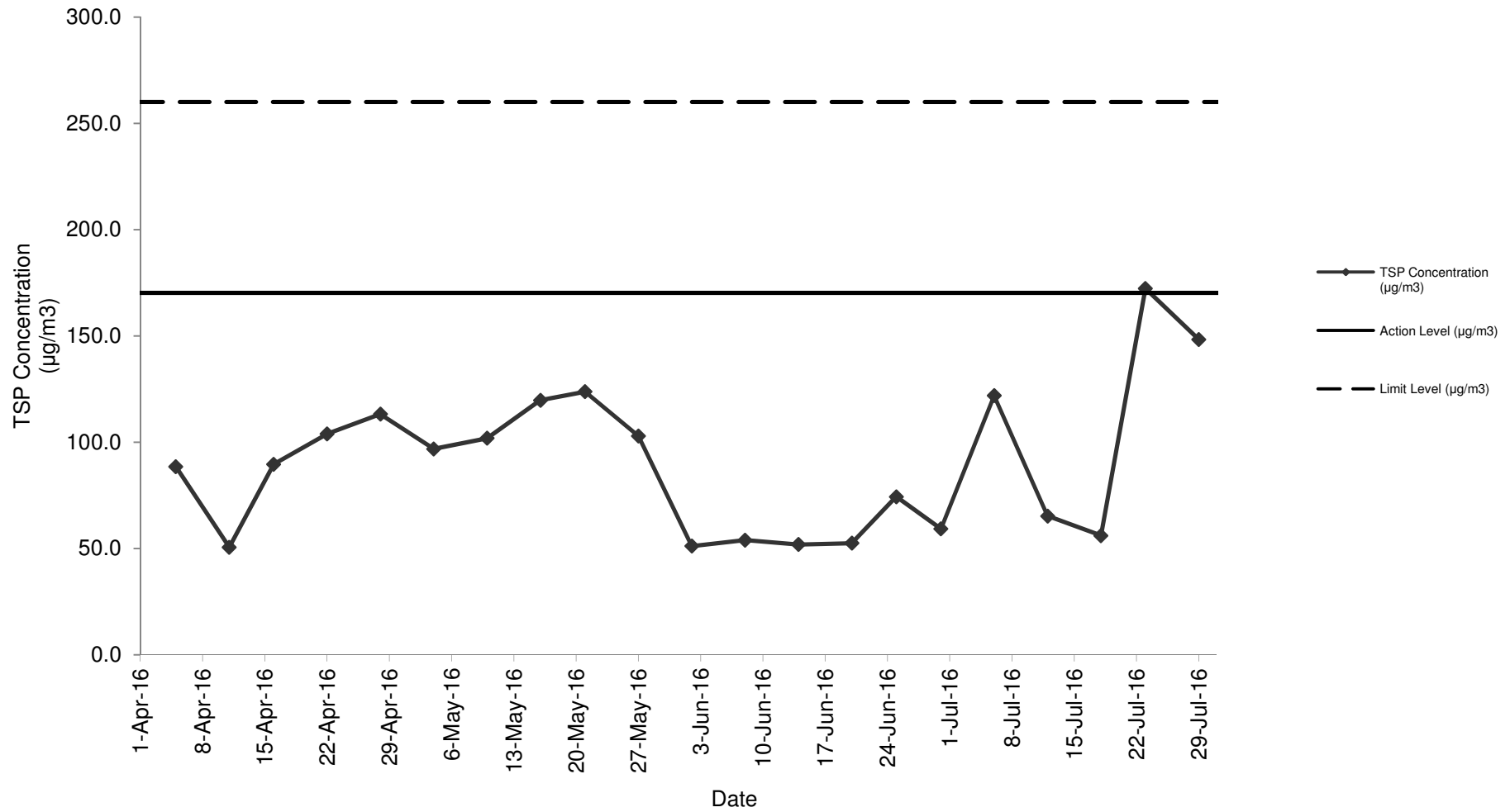
Sampling Date	Weather Condition	Starting Time	Paper No.	Wt. of paper (g)			Elapse Time			Flow Rate (CFM)			Flow Rate (m ³ /min)			Total Volume (m ³)	TSP Concentration (µg/m ³)	Action Level (µg/m ³)	Limit Level (µg/m ³)	Wind speed m/s	Wind direction
				Initial Wt.	Final Wt.	Wt. of Dust	Initial	Final	Sampling Hour	Initial	Final	Avg Flow Rate	Initial	Final	Avg Flow Rate						
6-Jul-16	Cloudy	12:10	208	2.7836	3.0371	0.2535	4981.67	5005.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	121.9	170.3	260.0	<5	N
12-Jul-16	Cloudy	12:11	210	2.7744	2.9102	0.1358	5008.67	5032.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	65.3	170.3	260.0	<5	N
18-Jul-16	Sunny	12:10	212	2.8308	2.9474	0.1166	5035.67	5059.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	56.1	170.3	260.0	<5	N
23-Jul-16	Sunny	12:11	214	2.8593	3.2177	0.3584	5062.67	5086.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	172.3	170.3	260.0	<5	N
29-Jul-16	Sunny	12:10	216	2.8346	3.1431	0.3085	5089.67	5113.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	148.3	170.3	260.0	<5	N
																Average	112.8				
																Min	56.1				
																Max	172.3				

Note: No major dust source observed during the monitoring period
Data in **Bold** denotes exceedance of respective Action Level

24-Hour TSP Monitoring Result at Station: SR77



24-Hour TSP Monitoring Result at Station: SR77 (April 2016 - July 2016)



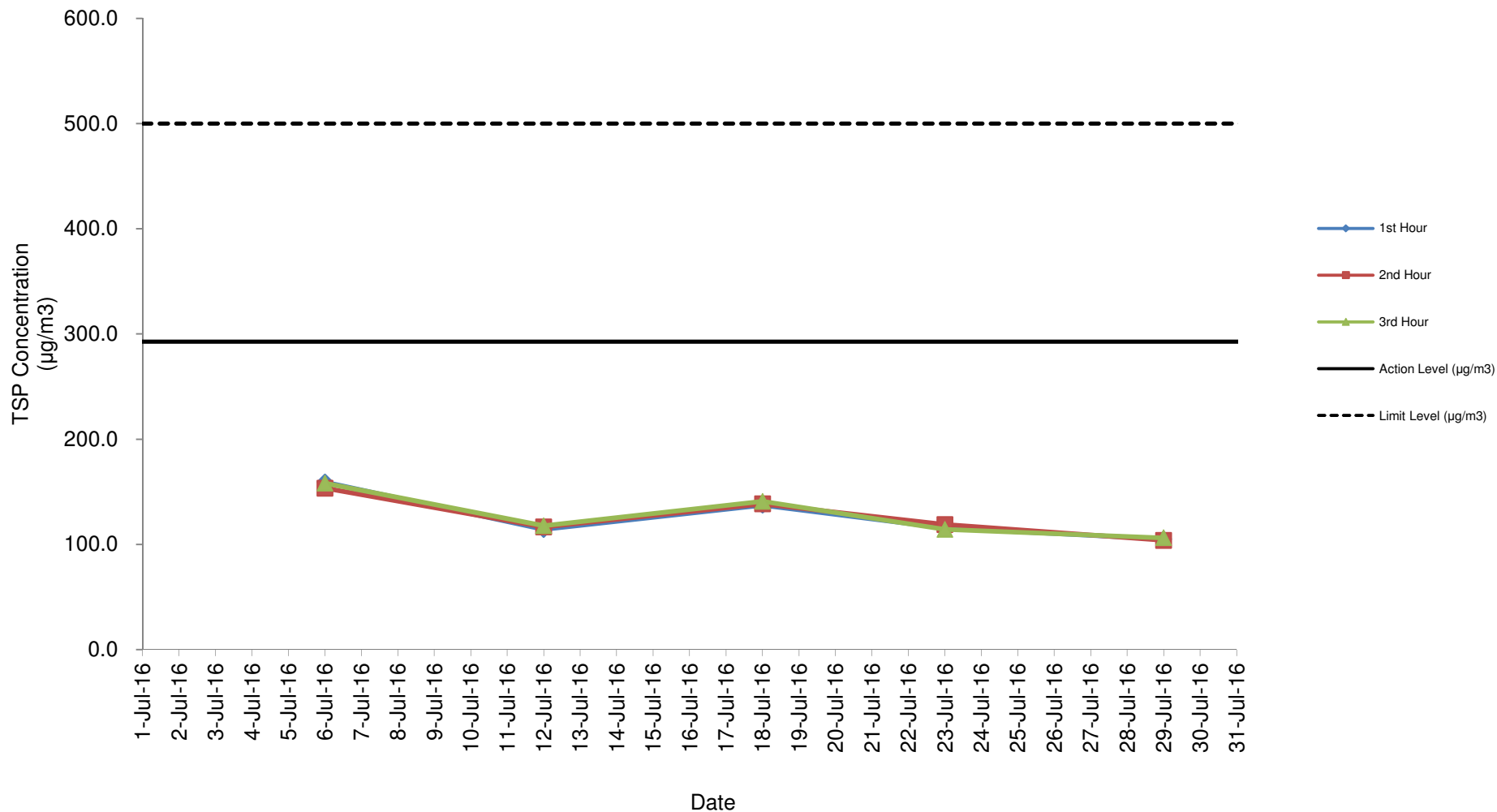
Appendix F
Air Quality Monitoring Results and their Graphical Presentation

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						
6-Jul-16	Rainy	09:00	C209A	2.7893	2.8031	0.0138	4978.67	4979.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	159.3	292.7	500.0	<5	N
	Rainy	10:03	C209B	2.7716	2.7849	0.0133	4979.67	4980.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	153.5	292.7	500.0	<5	N
	Cloudy	11:07	C209C	2.7964	2.8101	0.0137	4980.67	4981.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	158.1	292.7	500.0	<5	N
12-Jul-16	Cloudy	09:00	C211A	2.7777	2.7876	0.0099	5005.67	5006.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	114.3	292.7	500.0	<5	N
	Cloudy	10:04	C211B	2.7840	2.7941	0.0101	5006.67	5007.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	116.6	292.7	500.0	<5	N
	Cloudy	11:07	C211C	2.7819	2.7921	0.0102	5007.67	5008.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	117.7	292.7	500.0	<5	N
18-Jul-16	Sunny	09:00	C213A	2.8357	2.8476	0.0119	5032.67	5033.67	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	C213B	2.8111	2.8231	0.0120	5033.67	5034.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	138.5	292.7	500.0	<5	N
	Sunny	11:07	C213C	2.8039	2.8161	0.0122	5034.67	5035.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	140.8	292.7	500.0	<5	N
23-Jul-16	Sunny	09:00	C215A	2.8484	2.8584	0.0100	5059.67	5060.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	115.4	292.7	500.0	<5	N
	Sunny	10:04	C215B	2.8198	2.8301	0.0103	5060.67	5061.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	118.9	292.7	500.0	<5	N
	Sunny	11:07	C215C	2.8221	2.8320	0.0099	5061.67	5062.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	114.3	292.7	500.0	<5	N
29-Jul-16	Sunny	09:00	C217A	2.8094	2.8185	0.0091	5086.67	5087.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	105.0	292.7	500.0	<5	N
	Sunny	10:03	C217B	2.8116	2.8206	0.0090	5087.67	5088.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	103.9	292.7	500.0	<5	N
	Sunny	11:06	C217C	2.7993	2.8085	0.0092	5088.67	5089.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	106.2	292.7	500.0	<5	N
Average																126.6					
Min																103.9					
Max																159.3					

Note: No major dust source observed during the monitoring period

1-Hour TSP Monitoring Result at station: SR77



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

