

Appendix F Air Quality Monitoring Results and their Graphical Presentation

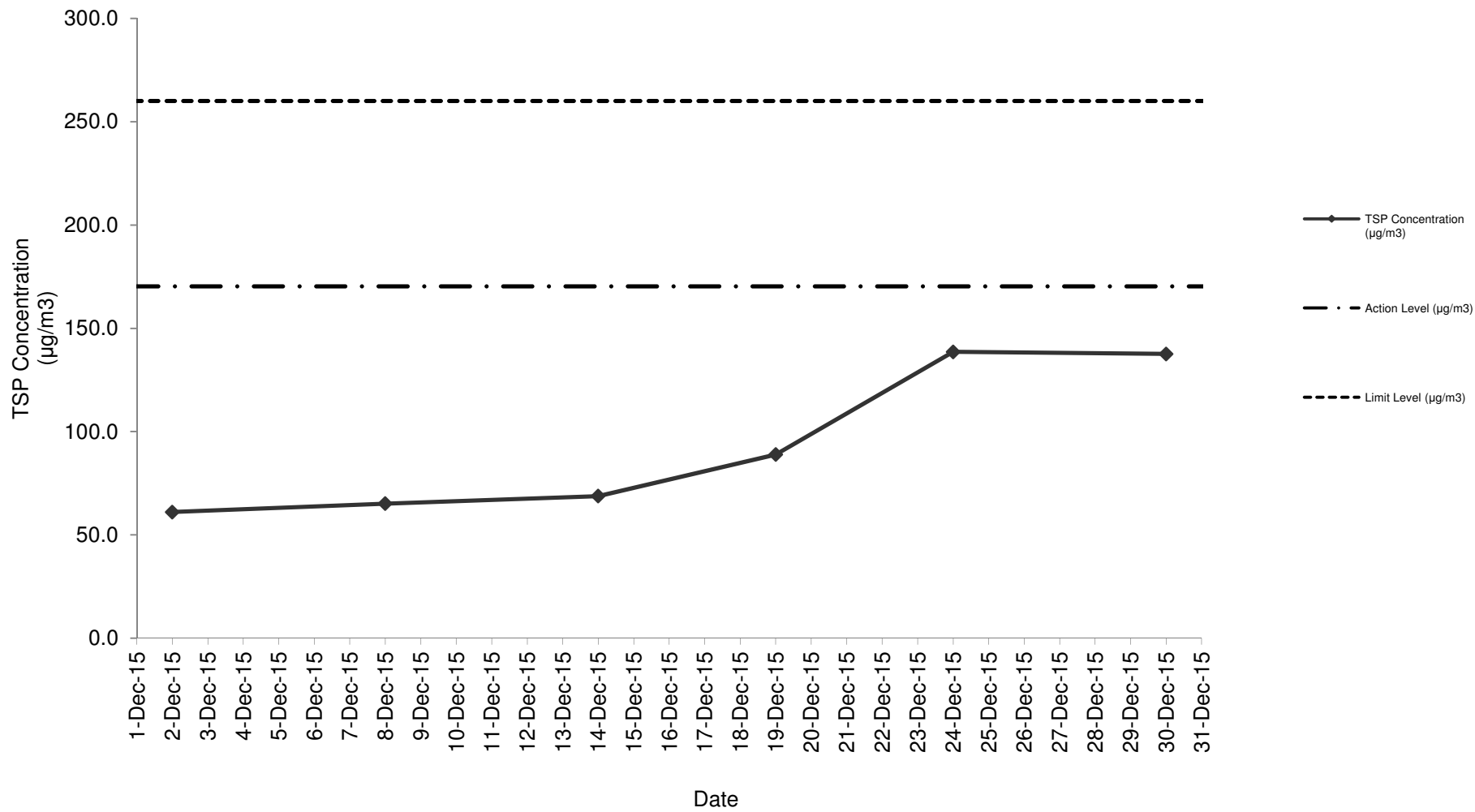
Appendix F
Air Quality Monitoring Results and their Graphical Presentation

24-Hour TSP Monitoring Result at Station: SR77

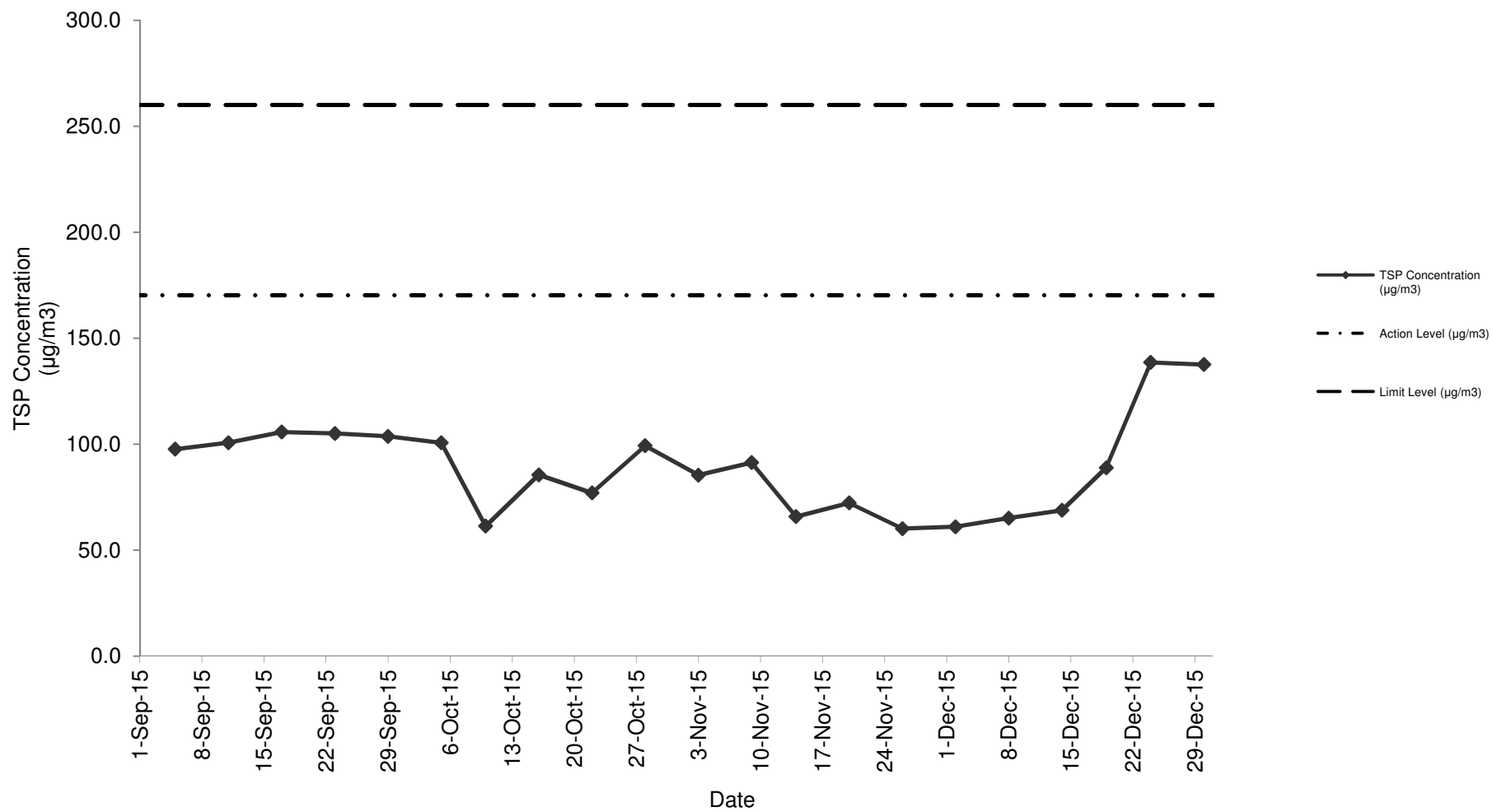
Sampling Date	Weather Condition	Starting Time	Paper No.	Wt. of paper (g)			Elapse Time			Flow Rate (CFM)			Flow Rate (m ³ /min)			Total Volume (m ³)	TSP Concentration (µg/m ³)	Action Level (µg/m ³)	Limit Level (µg/m ³)	Wind speed m/s	Wind direction
				Initial Wt.	Final Wt.	Wt. of Dust	Initial	Final	Sampling Hour	Initial	Final	Avg Flow Rate	Initial	Final	Avg Flow Rate						
2-Dec-15	Fine	12:11	C134	2.8113	2.9383	0.1270	4090.67	4114.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	61.1	170.3	260.0	<5	N
8-Dec-15	Fine	12:12	C136	2.8206	2.9561	0.1355	4117.67	4141.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	65.2	170.3	260.0	<5	N
14-Dec-15	Cloudy	12:10	C138	2.8111	2.9542	0.1431	4144.67	4168.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	68.8	170.3	260.0	<5	N
19-Dec-15	Sunny	12:11	C140	2.8013	2.9862	0.1849	4171.67	4195.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	88.9	170.3	260.0	<5	N
24-Dec-15	Sunny	12:11	C142	2.8005	3.0887	0.2882	4198.67	4222.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	138.6	170.3	260.0	<5	N
30-Dec-15	Fine	12:09	C144	2.8057	3.0918	0.2861	4225.67	4249.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	137.6	170.3	260.0	<5	N
																Average	93.4				
																Min	61.1				
																Max	138.6				

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 (September 2015 - December 2015)



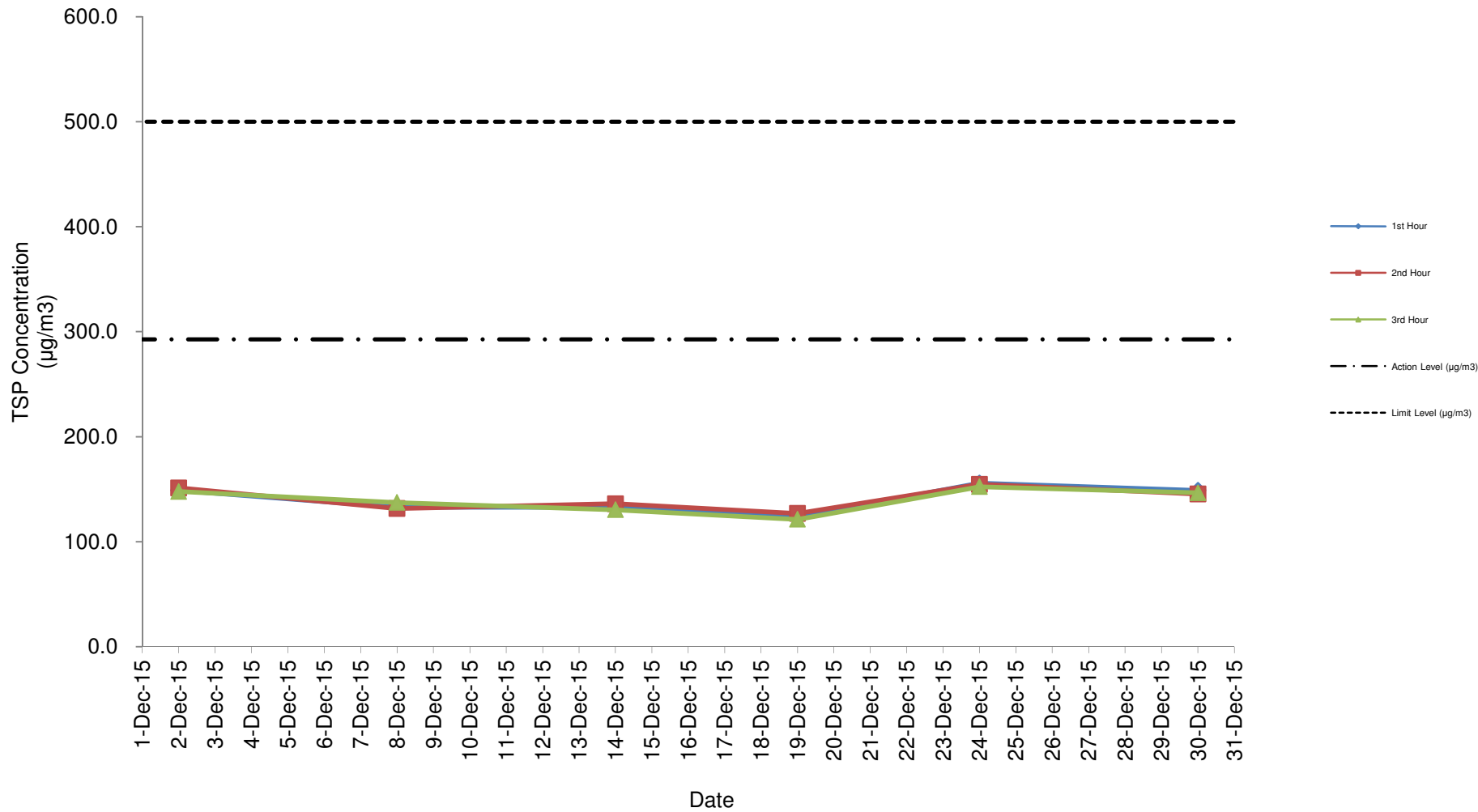
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Air Quality Monitoring Results and their Graphical Presentation

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						
2-Dec-15	Sunny	09:00	C133A	2.8234	2.8363	0.0129	4087.67	4088.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	148.9	292.7	500.0	<5	N
	Sunny	10:03	C133B	2.8191	2.8322	0.0131	4088.67	4089.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	151.2	292.7	500.0	<5	N
	Sunny	11:07	C133C	2.8213	2.8341	0.0128	4089.67	4090.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	147.7	292.7	500.0	<5	N
8-Dec-15	Fine	09:00	C135A	2.8121	2.8236	0.0115	4114.67	4115.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	132.7	292.7	500.0	<5	N
	Fine	10:04	C135B	2.8137	2.8251	0.0114	4115.67	4116.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	131.6	292.7	500.0	<5	N
	Fine	11:07	C135C	2.8122	2.8241	0.0119	4116.67	4117.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	137.3	292.7	500.0	<5	N
14-Dec-15	Cloudy	09:00	C137A	2.8226	2.8341	0.0115	4141.67	4142.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	132.7	292.7	500.0	<5	N
	Cloudy	10:03	C137B	2.8165	2.8283	0.0118	4142.67	4143.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	136.2	292.7	500.0	<5	N
	Cloudy	11:06	C137C	2.8193	2.8306	0.0113	4143.67	4144.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	130.4	292.7	500.0	<5	N
19-Dec-15	Sunny	09:00	C139A	2.8114	2.8221	0.0107	4168.67	4169.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	123.5	292.7	500.0	<5	N
	Sunny	10:04	C139B	2.8231	2.8341	0.0110	4169.67	4170.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	126.9	292.7	500.0	<5	N
	Sunny	11:07	C139C	2.8056	2.8161	0.0105	4170.67	4171.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	121.2	292.7	500.0	<5	N
24-Dec-15	Sunny	09:00	C141A	2.8111	2.8246	0.0135	4195.67	4196.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	155.8	292.7	500.0	<5	N
	Sunny	10:04	C141B	2.8107	2.8241	0.0134	4196.67	4197.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	154.6	292.7	500.0	<5	N
	Sunny	11:08	C141C	2.8109	2.8241	0.0132	4197.67	4198.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	152.3	292.7	500.0	<5	N
30-Dec-15	Fine	09:00	C143A	2.8055	2.8184	0.0129	4222.67	4223.67	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	C143B	2.8106	2.8232	0.0126	4223.67	4224.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	145.4	292.7	500.0	<5	N
	Fine	11:06	C143C	2.8114	2.8241	0.0127	4224.67	4225.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	146.6	292.7	500.0	<5	N
Average																140.2					
Min																121.2					
Max																155.8					

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 2015 - December 2015)

