

# **Appendix F**

## **Air Quality Monitoring Results and their Graphical Presentation**

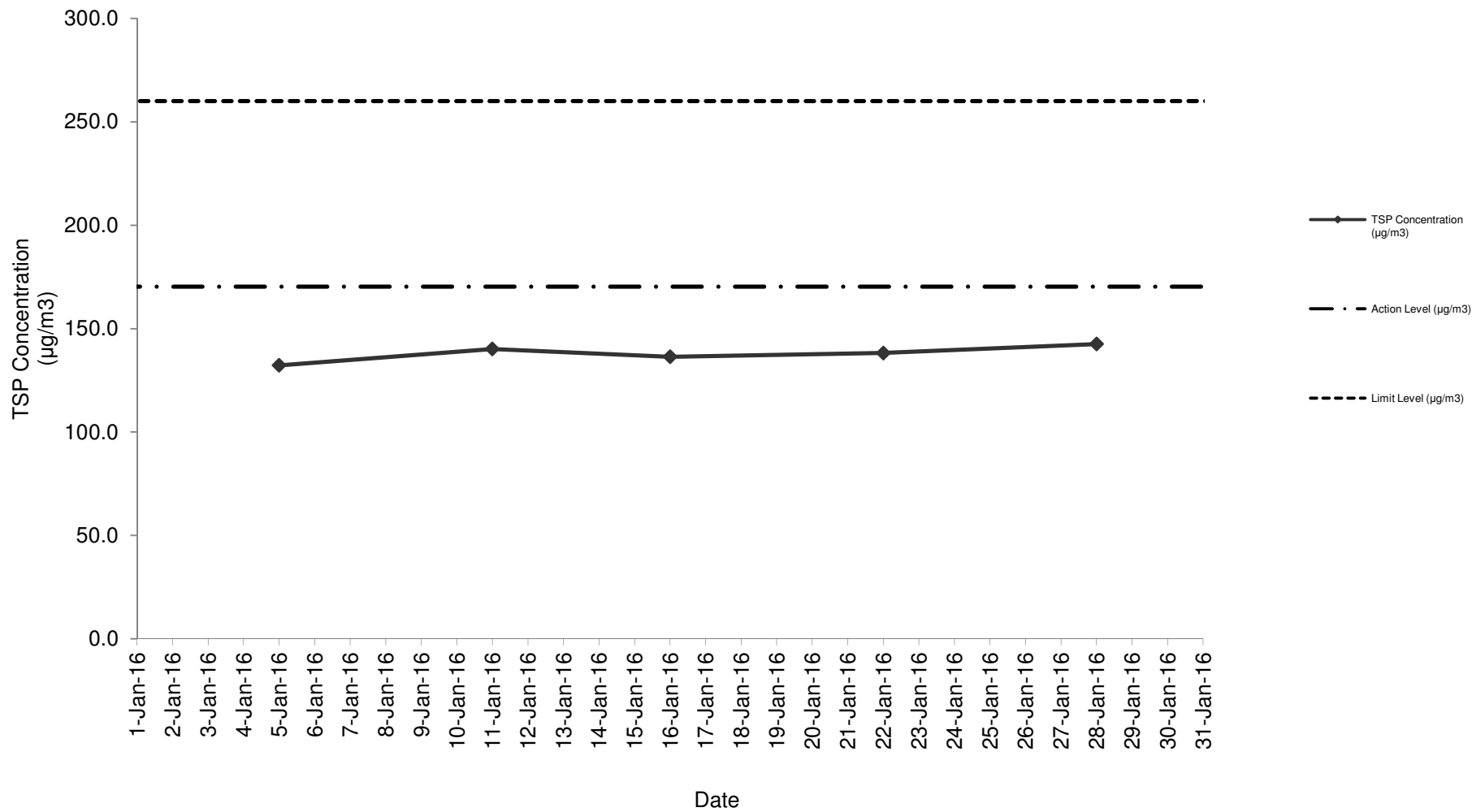
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Air Quality Monitoring Results and their Graphical Presentation

24-Hour TSP Monitoring Result at Station: SR77

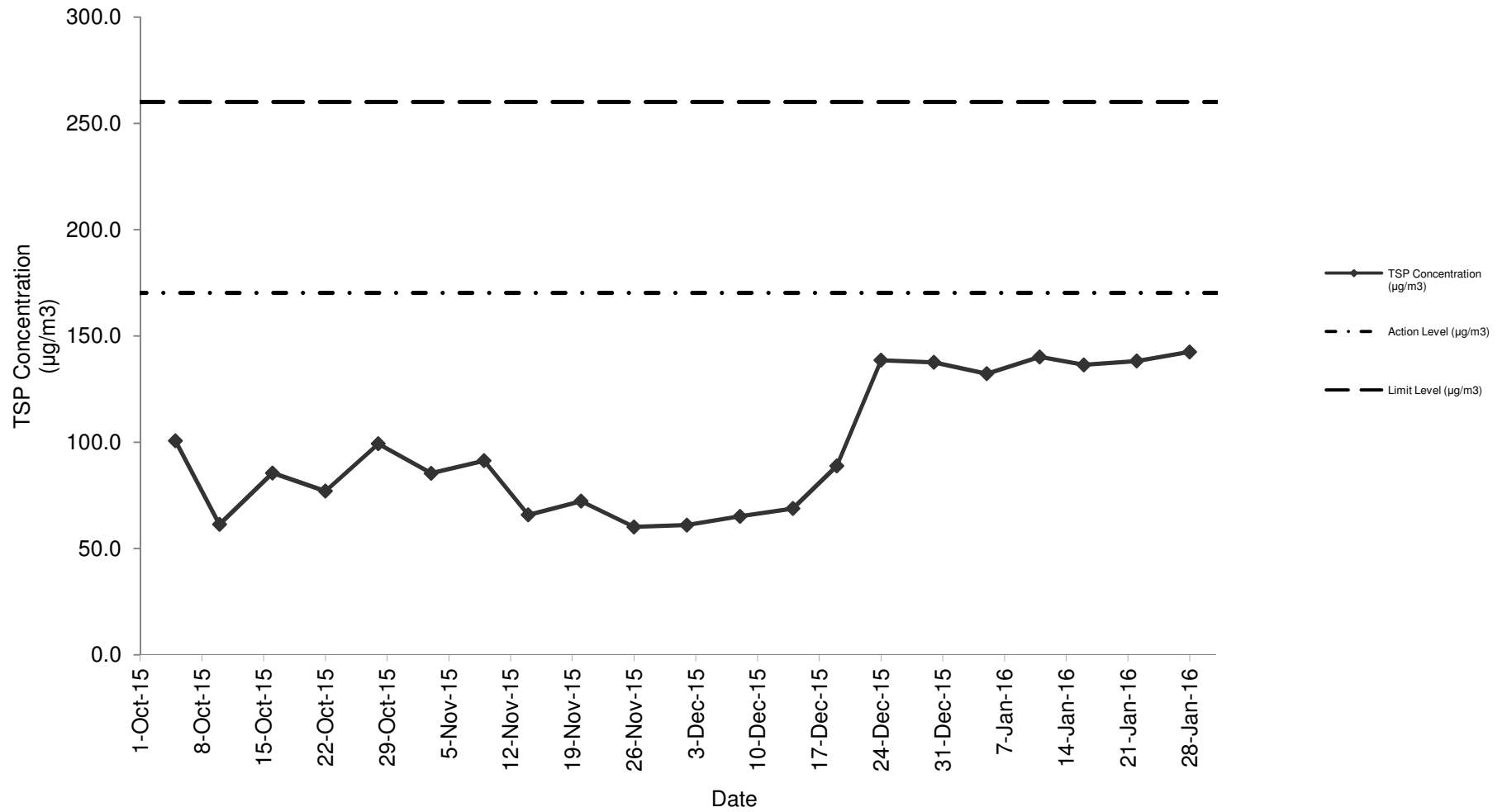
Sampling Date	Weather Condition	Starting Time	Paper No.	Wt. of paper (g)			Elapse Time			Flow Rate (CFM)			Flow Rate (m <sup>3</sup> /min)			Total Volume (m <sup>3</sup> )	TSP Concentration (µg/m <sup>3</sup> )	Action Level (µg/m <sup>3</sup> )	Limit Level (µg/m <sup>3</sup> )	Wind speed m/s	Wind direction
				Initial Wt.	Final Wt.	Wt. of Dust	Initial	Final	Sampling Hour	Initial	Final	Avg Flow Rate	Initial	Final	Avg Flow Rate						
5-Jan-16	Cloudy	12:11	C144	2.8221	3.0971	0.2750	4252.67	4276.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	132.2	170.3	260.0	<5	N
11-Jan-16	Fine	12:10	C146	2.8195	3.1110	0.2915	4279.67	4303.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	140.2	170.3	260.0	<5	N
16-Jan-16	Cloudy	12:11	C148	2.8049	3.0886	0.2837	4306.67	4330.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	136.4	170.3	260.0	<5	N
22-Jan-16	Cloudy	12:11	C150	2.8134	3.1009	0.2875	4333.67	4357.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	138.2	170.3	260.0	<5	N
28-Jan-16	Cloudy	12:10	C152	2.8114	3.1078	0.2964	4360.67	4384.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	142.5	170.3	260.0	<5	N
																<b>Average</b>	137.9				
																<b>Min</b>	132.2				
																<b>Max</b>	142.5				

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 (October 2015 - January 2016)



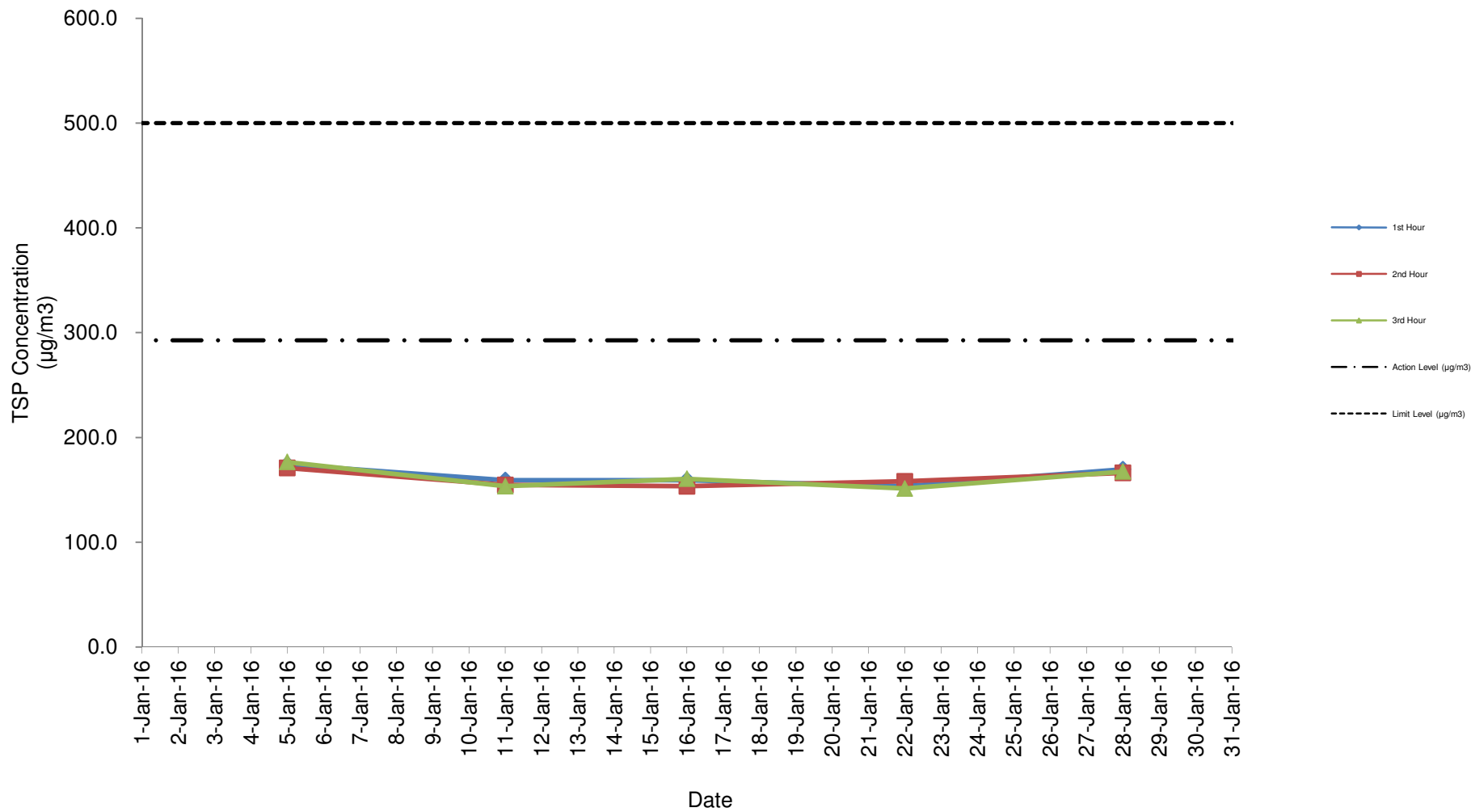
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Detailed Calculation of 1-Hour TSP Monitoring Result at Station: SR77

Sampling Date	Weather Condition	Starting Time	Paper No.	Wt. of paper (g)			Elapse Time			Flow Rate (CFM)			Flow Rate (m <sup>3</sup> /min)			Total Volume (m <sup>3</sup> )	TSP Concentration (µg/m <sup>3</sup> )	Action Level (µg/m <sup>3</sup> )	Limit Level (µg/m <sup>3</sup> )	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-Jan-16	Fine	09:00	C145A	2.8028	2.8179	0.0151	4249.67	4250.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	174.3	292.7	500.0	<5	N
	Fine	10:03	C145B	2.8113	2.8261	0.0148	4250.67	4251.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	170.8	292.7	500.0	<5	N
	Fine	11:07	C145C	2.8131	2.8284	0.0153	4251.67	4252.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	176.6	292.7	500.0	<5	N
11-Jan-16	Fine	09:00	C147A	2.8043	2.8181	0.0138	4276.67	4277.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	159.3	292.7	500.0	<5	N
	Fine	10:03	C147B	2.8057	2.8191	0.0134	4277.67	4278.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	154.6	292.7	500.0	<5	N
	Fine	11:06	C147C	2.8108	2.8241	0.0133	4278.67	4279.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	153.5	292.7	500.0	<5	N
16-Jan-16	Cloudy	09:00	C149A	2.8114	2.8252	0.0138	4303.67	4304.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	159.3	292.7	500.0	<5	N
	Cloudy	10:03	C149B	2.8211	2.8344	0.0133	4304.67	4305.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	153.5	292.7	500.0	<5	N
	Cloudy	11:06	C149C	2.8059	2.8198	0.0139	4305.67	4306.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	160.4	292.7	500.0	<5	N
22-Jan-16	Cloudy	09:00	C151A	2.8068	2.8201	0.0133	4330.67	4331.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	153.5	292.7	500.0	<5	N
	Cloudy	10:04	C151B	2.8124	2.8261	0.0137	4331.67	4332.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	158.1	292.7	500.0	<5	N
	Cloudy	11:07	C151C	2.8116	2.8247	0.0131	4332.67	4333.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	151.2	292.7	500.0	<5	N
28-Jan-16	Rainy	09:00	C153A	2.8036	2.8183	0.0147	4357.67	4358.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	169.6	292.7	500.0	<5	N
	Rainy	10:04	C153B	2.8136	2.8280	0.0144	4358.67	4359.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	166.2	292.7	500.0	<5	N
	Rainy	11:07	C153C	2.8196	2.8341	0.0145	4359.67	4360.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	167.3	292.7	500.0	<5	N
<b>Average</b>																161.9					
<b>Min</b>																151.2					
<b>Max</b>																176.6					

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 2015 - January 2016)

