

# **Appendix F**

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

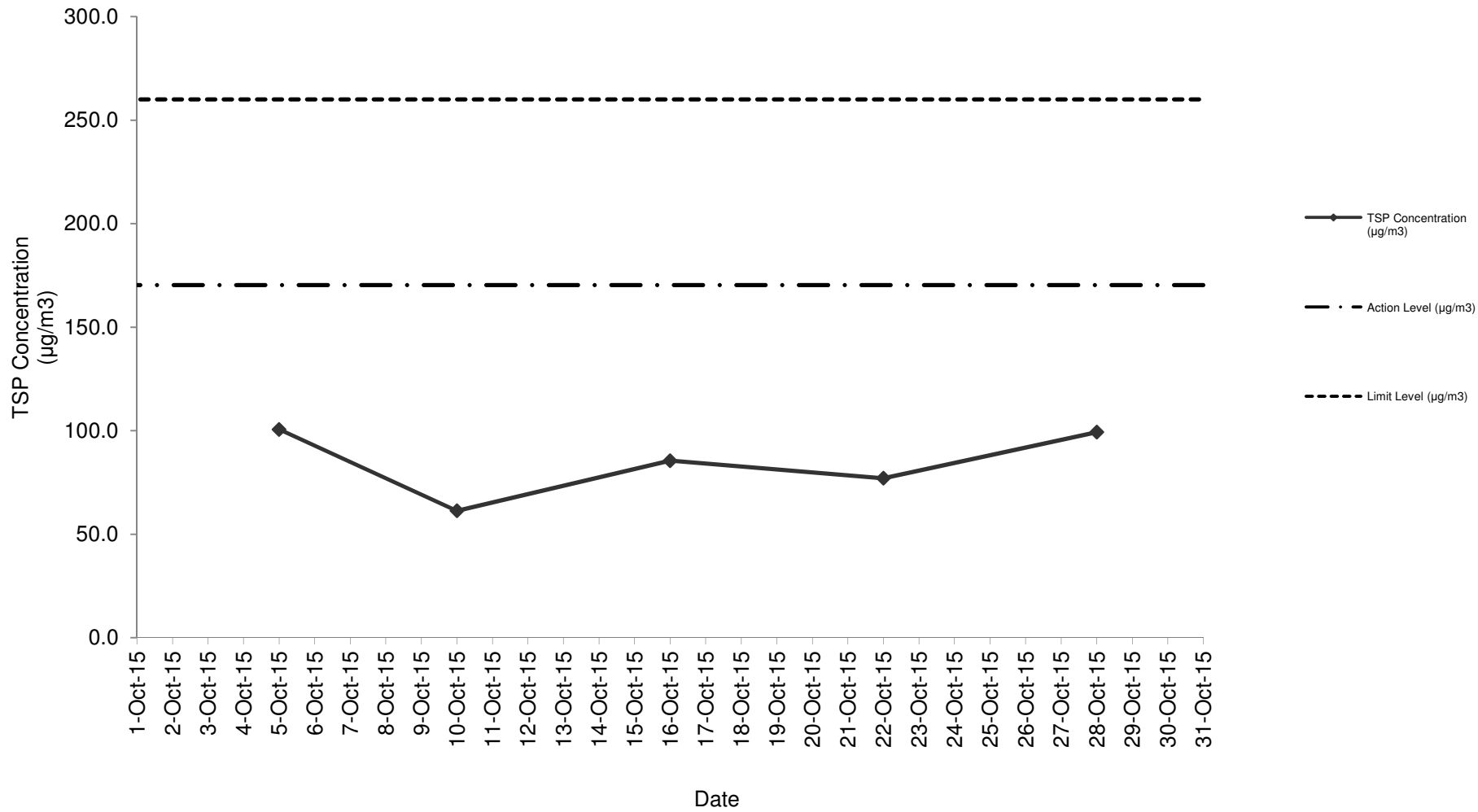
Appendix F  
Air Quality Monitoring Results and their Graphical Presentation

24-Hour TSP Monitoring Result at Station: SR77

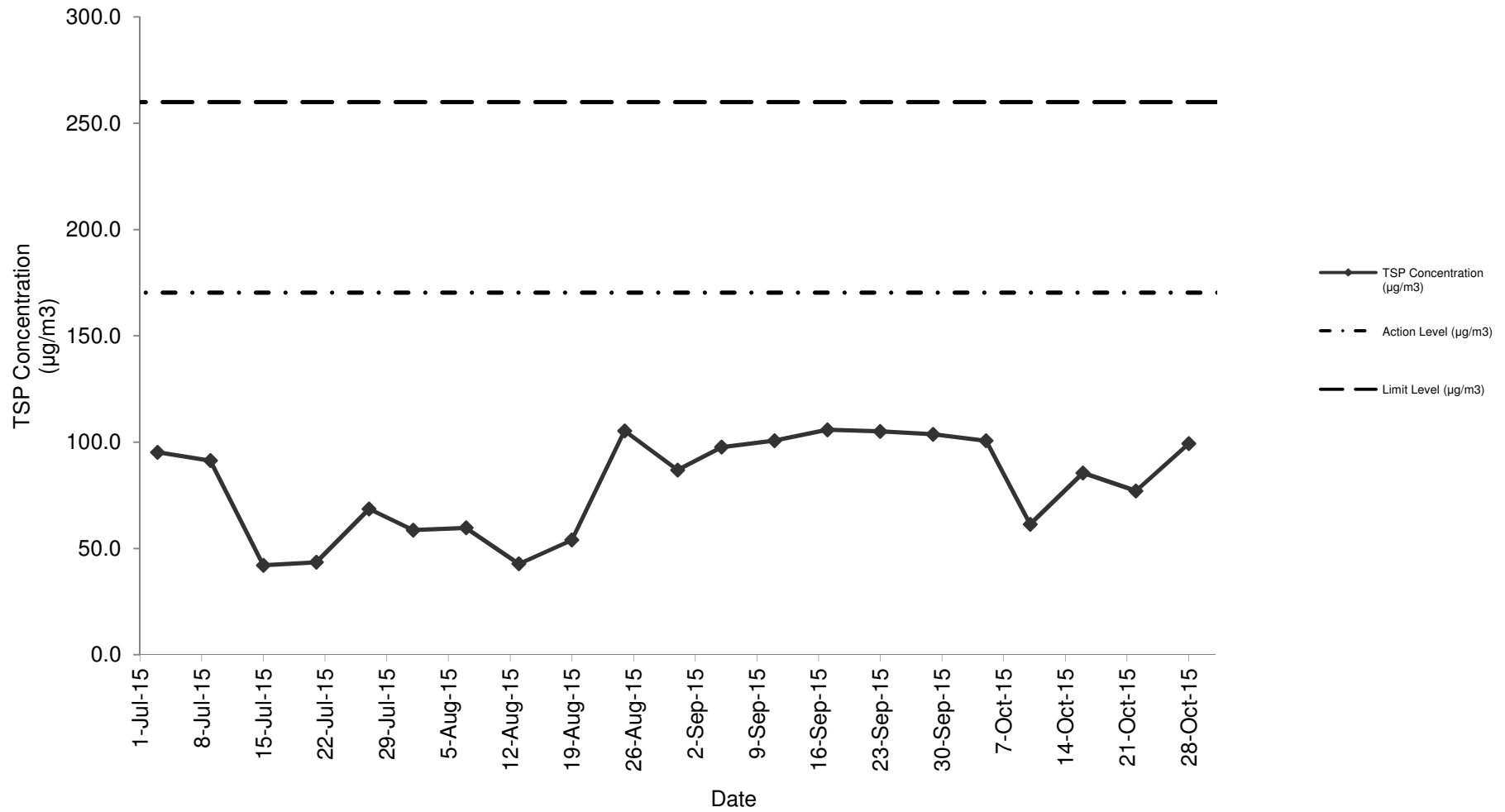
Sampling Date	Weather Condition	Starting Time	Paper No.	Wt. of paper (g)			Elapse Time			Flow Rate (CFM)			Flow Rate (m <sup>3</sup> /min)			Total Volume (m <sup>3</sup> )	TSP Concentration (µg/m <sup>3</sup> )	Action Level (µg/m <sup>3</sup> )	Limit Level (µg/m <sup>3</sup> )	Wind speed m/s	Wind direction
				Initial Wt.	Final Wt.	Wt. of Dust	Initial	Final	Sampling Hour	Initial	Final	Avg Flow Rate	Initial	Final	Avg Flow Rate						
5-Oct-15	Rainy	12:11	C35	2.7998	3.0091	0.2093	3820.67	3844.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	100.6	170.3	260.0	<5	N
10-Oct-15	Sunny	12:10	C37	2.8525	2.9801	0.1276	3847.67	3871.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	61.4	170.3	260.0	<5	N
16-Oct-15	Sunny	12:09	C39	2.9101	3.0880	0.1779	3874.67	3898.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	85.5	170.3	260.0	<5	N
22-Oct-15	Sunny	12:10	C41	2.9102	3.0704	0.1602	3901.67	3925.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	77.0	170.3	260.0	<5	N
28-Oct-15	Sunny	12:11	C43	2.8786	3.0851	0.2065	3928.67	3952.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	99.3	170.3	260.0	<5	N
																<b>Average</b>	84.8				
																<b>Min</b>	61.4				
																<b>Max</b>	100.6				

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 (July 2015 - October 2015)



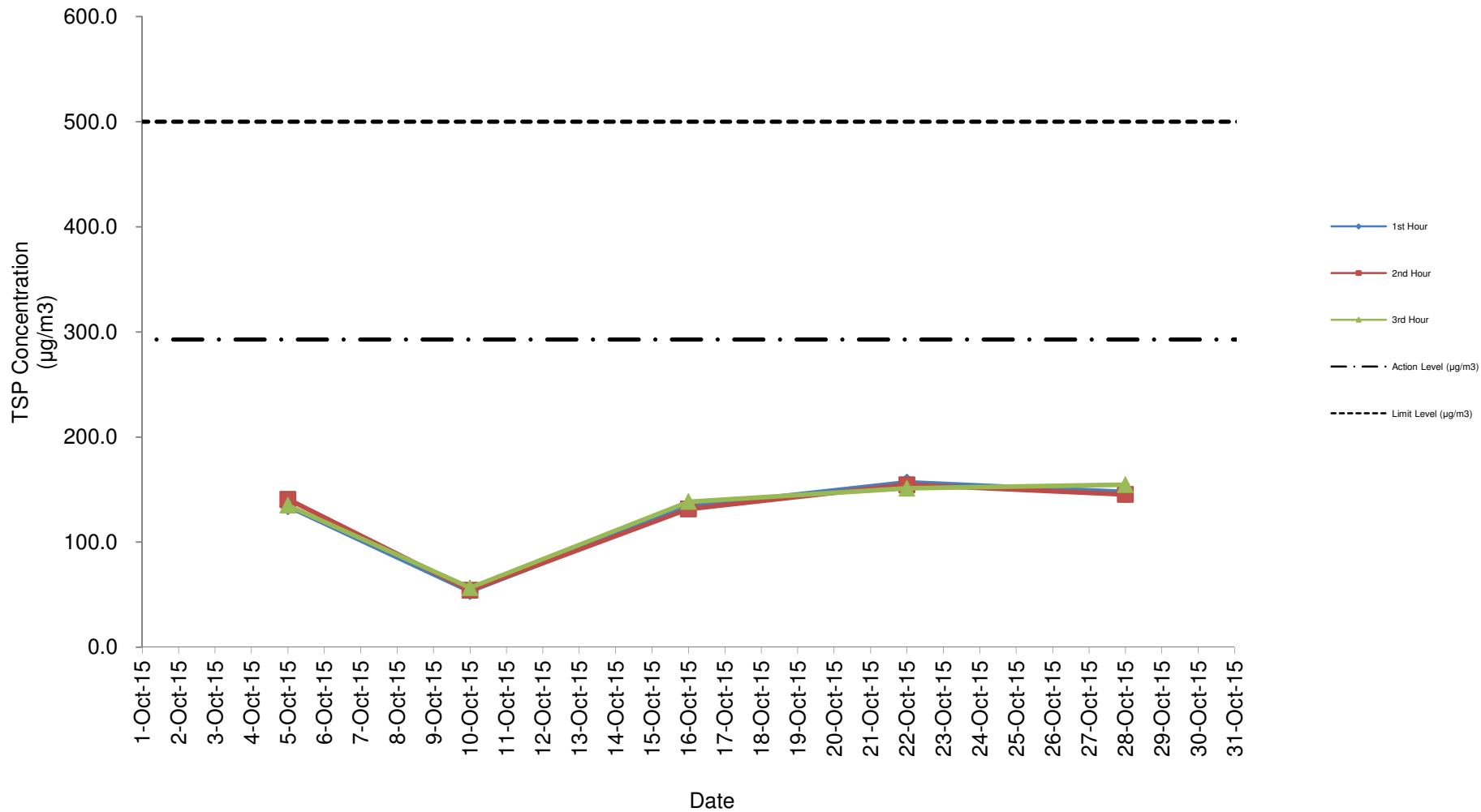
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Detailed Calculation of 1-Hour TSP Monitoring Result at Station: SR77

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-Oct-15	Rainy	09:00	C36A	2.8113	2.8229	0.0116	3817.67	3818.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	133.9	292.7	500.0	<5	N
	Rainy	12:10	C36B	2.8019	2.8141	0.0122	3818.67	3819.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	140.8	292.7	500.0	<5	N
	Rainy	11:07	C36C	2.8024	2.8141	0.0117	3819.67	3820.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	135.0	292.7	500.0	<5	N
10-Oct-15	Sunny	09:00	C38A	2.9137	2.9183	0.0046	3844.67	3845.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	53.1	292.7	500.0	<5	N
	Sunny	10:03	C38B	2.9111	2.9158	0.0047	3845.67	3846.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	54.2	292.7	500.0	<5	N
	Sunny	11:06	C38C	2.8672	2.8721	0.0049	3846.67	3847.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	56.5	292.7	500.0	<5	N
16-Oct-15	Sunny	09:00	C40A	2.9111	2.9227	0.0116	3871.67	3872.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	133.9	292.7	500.0	<5	N
	Sunny	10:03	C40B	2.9007	2.9121	0.0114	3872.67	3873.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	131.6	292.7	500.0	<5	N
	Sunny	11:06	C40C	2.8991	2.9111	0.0120	3873.67	3874.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	138.5	292.7	500.0	<5	N
22-Oct-15	Sunny	09:00	C42A	2.9112	2.9248	0.0136	3898.67	3899.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	157.0	292.7	500.0	<5	N
	Sunny	10:03	C42B	2.8910	2.9044	0.0134	3899.67	3900.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	154.6	292.7	500.0	<5	N
	Sunny	11:07	C42C	2.8840	2.8971	0.0131	3900.67	3901.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	151.2	292.7	500.0	<5	N
28-Oct-15	Sunny	09:00	C44A	2.9043	2.9171	0.0128	3925.67	3926.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	147.7	292.7	500.0	<5	N
	Sunny	10:03	C44B	2.9018	2.9144	0.0126	3926.67	3927.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	145.4	292.7	500.0	<5	N
	Sunny	11:06	C44C	2.8514	2.8648	0.0134	3927.67	3928.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	154.6	292.7	500.0	<5	N
<b>Average</b>																125.9					
<b>Min</b>																53.1					
<b>Max</b>																157.0					

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 (July 2015 - October 2015)

