

# **Appendix F**

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

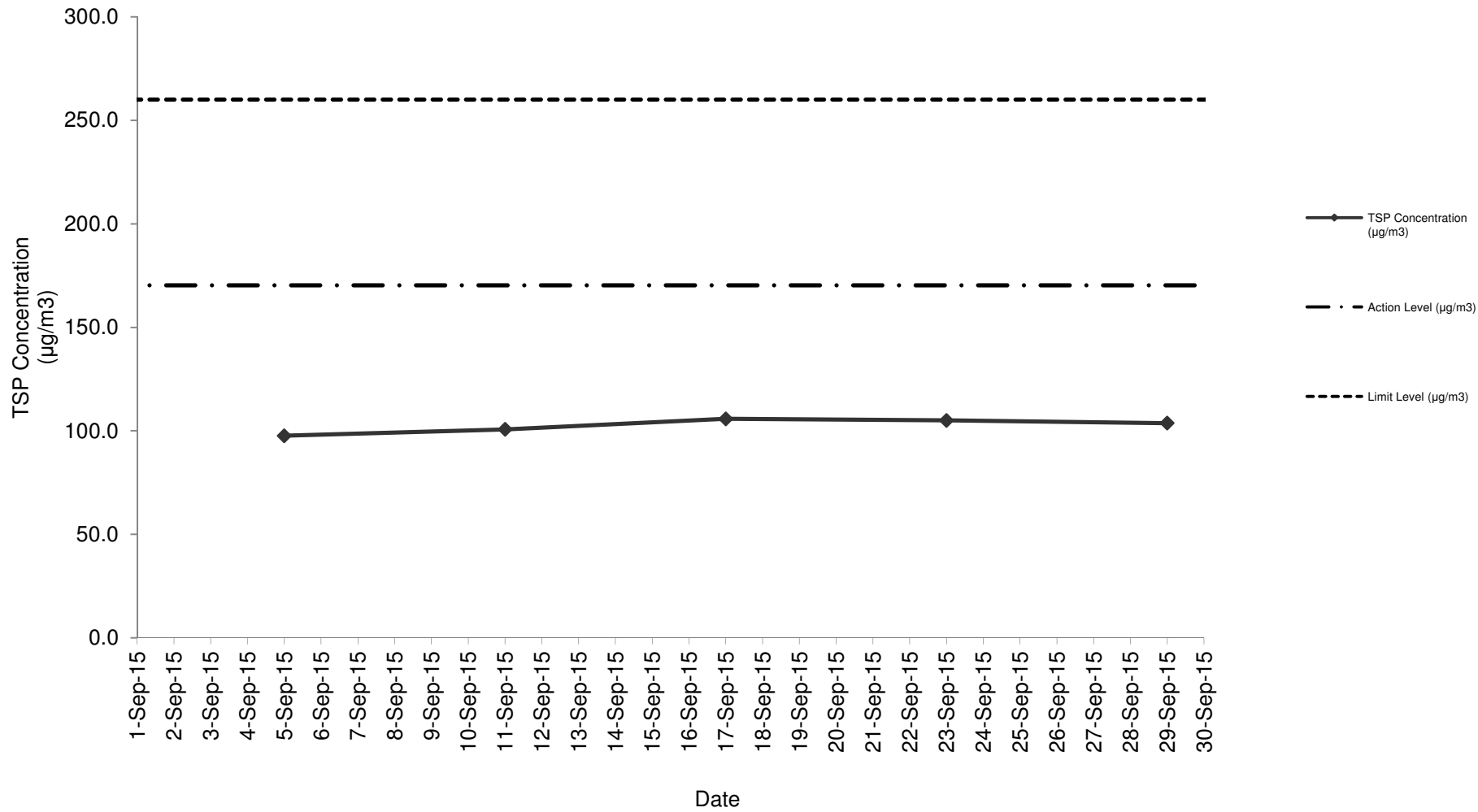
Appendix F  
Air Quality Monitoring Results and their Graphical Presentation

24-Hour TSP Monitoring Result at Station: SR77

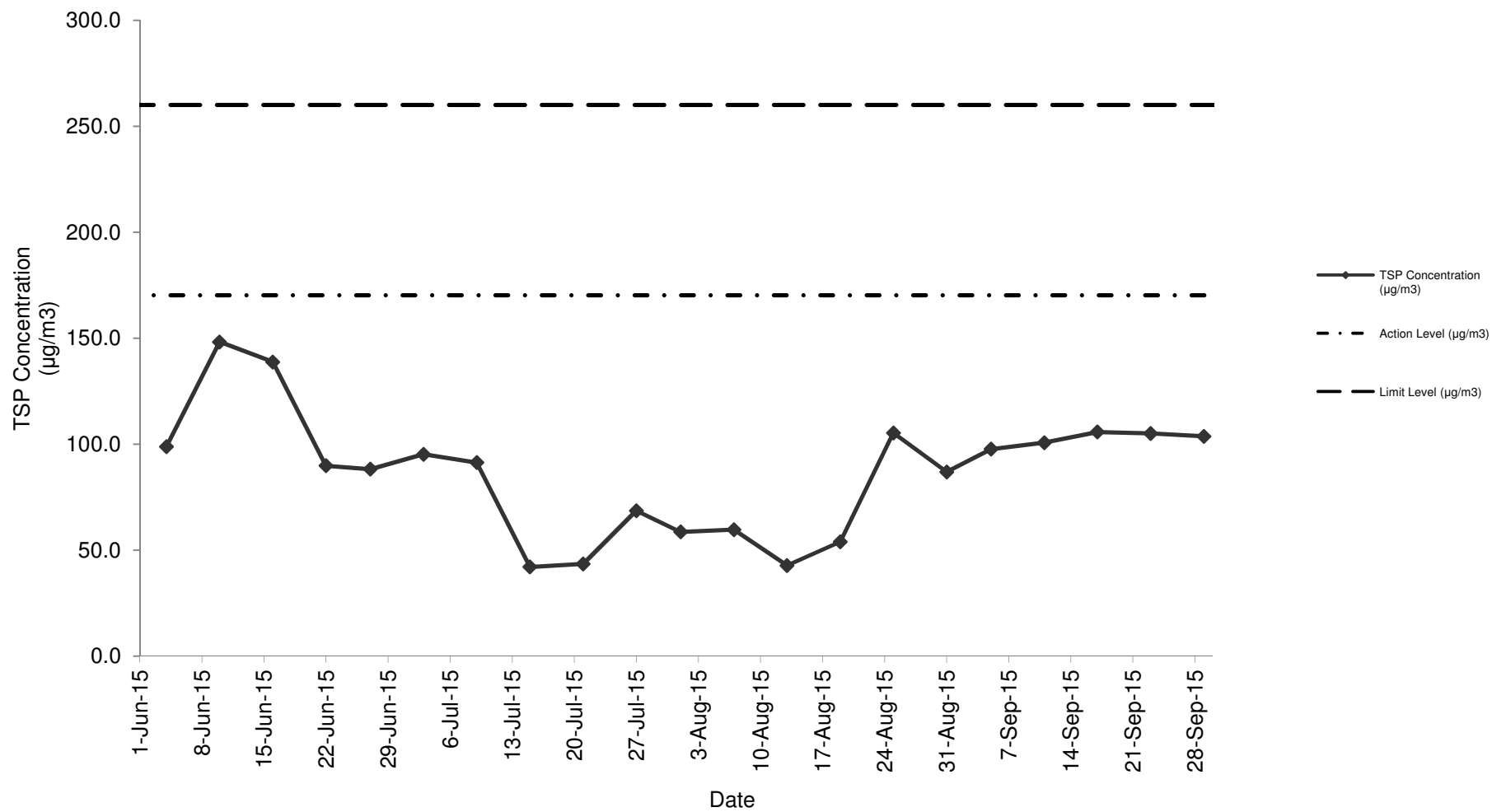
Sampling Date	Weather Condition	Starting Time	Paper No.	Wt. of paper (g)			Elapse Time			Flow Rate (CFM)			Flow Rate (m <sup>3</sup> /min)			Total Volume (m <sup>3</sup> )	TSP Concentration (µg/m <sup>3</sup> )	Action Level (µg/m <sup>3</sup> )	Limit Level (µg/m <sup>3</sup> )	Wind speed m/s	Wind direction
				Initial Wt.	Final Wt.	Wt. of Dust	Initial	Final	Sampling Hour	Initial	Final	Avg Flow Rate	Initial	Final	Avg Flow Rate						
5-Sep-15	Sunny	12:11	C25	2.8059	3.0090	0.2031	3685.67	3709.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	97.7	170.3	260.0	<5	N
11-Sep-15	Sunny	12:10	C27	2.8112	3.0207	0.2095	3712.67	3736.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	100.7	170.3	260.0	<5	N
17-Sep-15	Sunny	12:10	C29	2.7911	3.0111	0.2200	3739.67	3763.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	105.8	170.3	260.0	<5	N
23-Sep-15	Sunny	12:11	C31	2.8004	3.0189	0.2185	3766.67	3790.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	105.1	170.3	260.0	<5	N
29-Sep-15	Sunny	12:11	C33	2.8055	3.0212	0.2157	3793.67	3817.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	103.7	170.3	260.0	<5	N
																<b>Average</b>	102.6				
																<b>Min</b>	97.7				
																<b>Max</b>	105.8				

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 (June 2015 - September 2015)



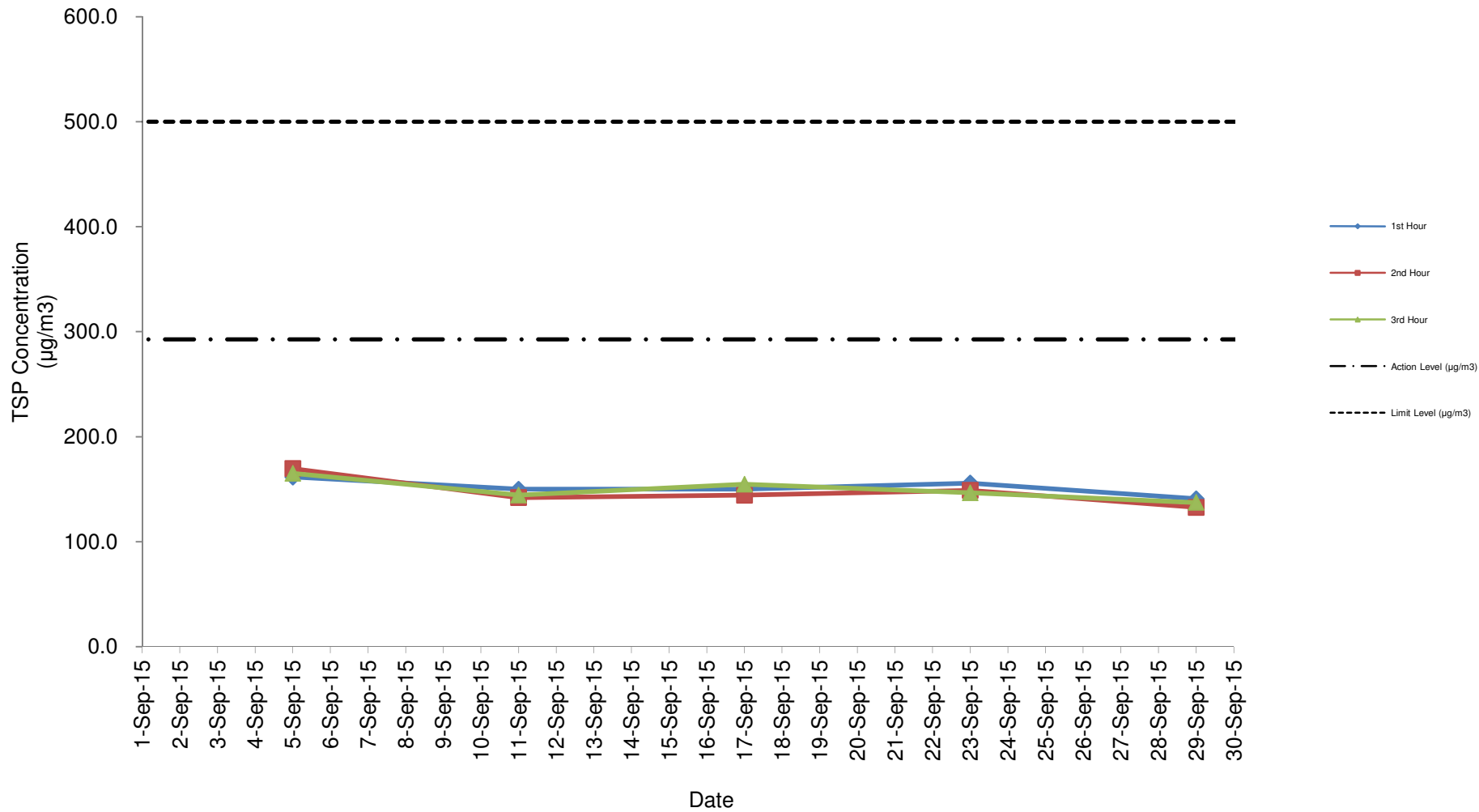
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Detailed Calculation of 1-Hour TSP Monitoring Result at Station: SR77

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-Sep-15	Sunny	09:00	C26A	2.8091	2.8231	0.0140	3682.67	3683.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	161.6	292.7	500.0	<5	N
	Sunny	10:03	C26B	2.7884	2.8031	0.0147	3683.67	3684.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	169.6	292.7	500.0	<5	N
	Sunny	11:07	C26C	2.7856	2.7999	0.0143	3684.67	3685.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	165.0	292.7	500.0	<5	N
11-Sep-15	Sunny	09:00	C28A	2.7911	2.8041	0.0130	3709.67	3710.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	150.0	292.7	500.0	<5	N
	Sunny	10:03	C28B	2.7889	2.8012	0.0123	3710.67	3711.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	142.0	292.7	500.0	<5	N
	Sunny	11:06	C28C	2.8019	2.8144	0.0125	3711.67	3712.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	144.3	292.7	500.0	<5	N
17-Sep-15	Sunny	09:00	C30A	2.8091	2.8221	0.0130	3736.67	3737.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	150.0	292.7	500.0	<5	N
	Sunny	10:03	C30B	2.8113	2.8238	0.0125	3737.67	3738.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	144.3	292.7	500.0	<5	N
	Sunny	11:07	C30C	2.7887	2.8021	0.0134	3738.67	3739.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	154.6	292.7	500.0	<5	N
23-Sep-15	Sunny	09:00	C32A	2.8054	2.8189	0.0135	3763.67	3764.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	155.8	292.7	500.0	<5	N
	Sunny	10:03	C32B	2.8119	2.8248	0.0129	3764.67	3765.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	148.9	292.7	500.0	<5	N
	Sunny	11:07	C32C	2.8071	2.8198	0.0127	3765.67	3766.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	146.6	292.7	500.0	<5	N
29-Sep-15	Sunny	09:00	C34A	2.7919	2.8041	0.0122	3790.67	3791.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	140.8	292.7	500.0	<5	N
	Sunny	10:03	C34B	2.8004	2.8119	0.0115	3791.67	3792.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	132.7	292.7	500.0	<5	N
	Sunny	11:06	C34C	2.8109	2.8228	0.0119	3792.67	3793.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	137.3	292.7	500.0	<5	N
<b>Average</b>																149.6					
<b>Min</b>																132.7					
<b>Max</b>																169.6					

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 (June 2015 - September 2015)

