

# **Appendix F**

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

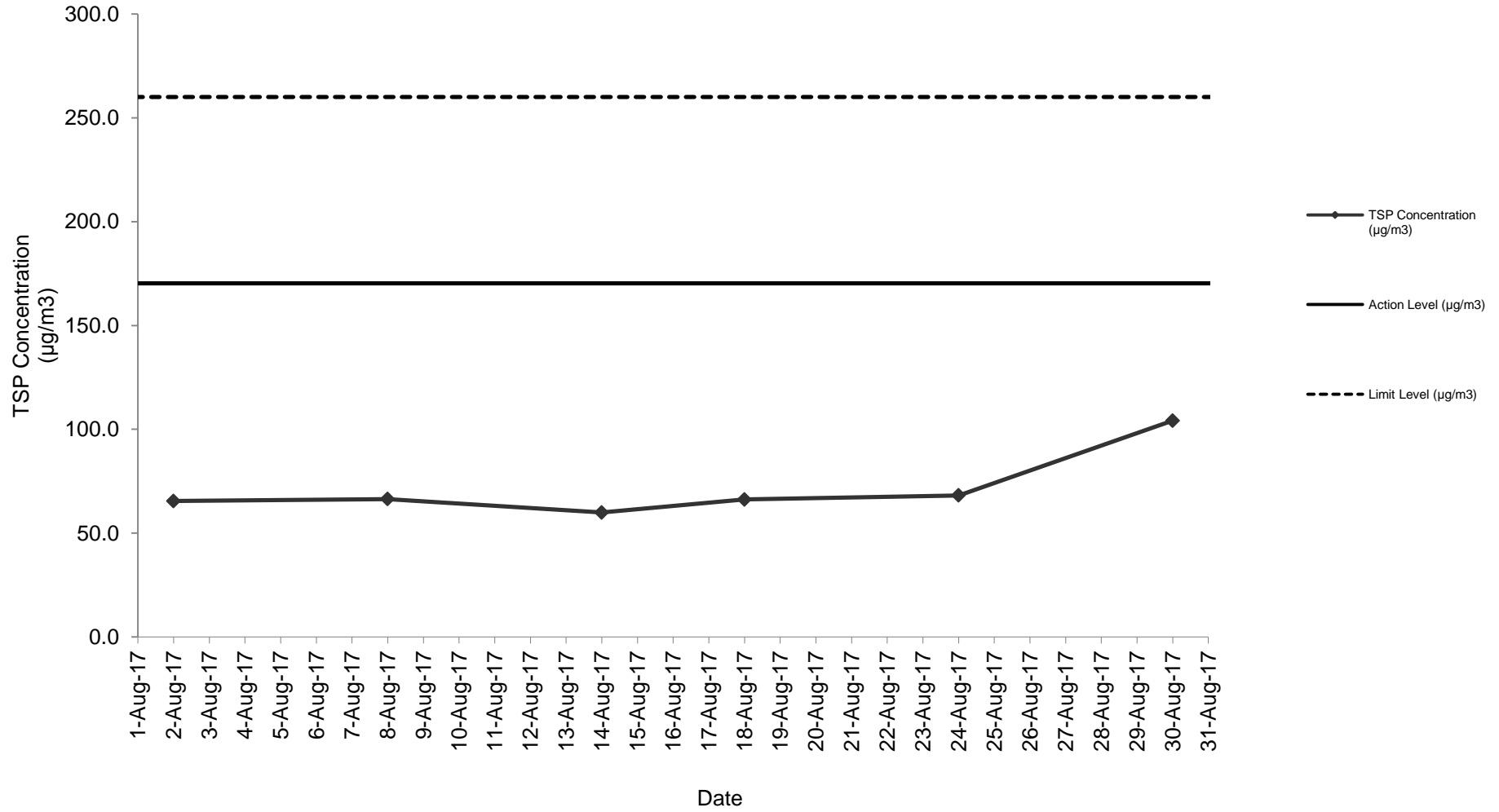
Appendix F  
Air Quality Monitoring Results and their Graphical Presentation

24-Hour TSP Monitoring Result at Station: SR77

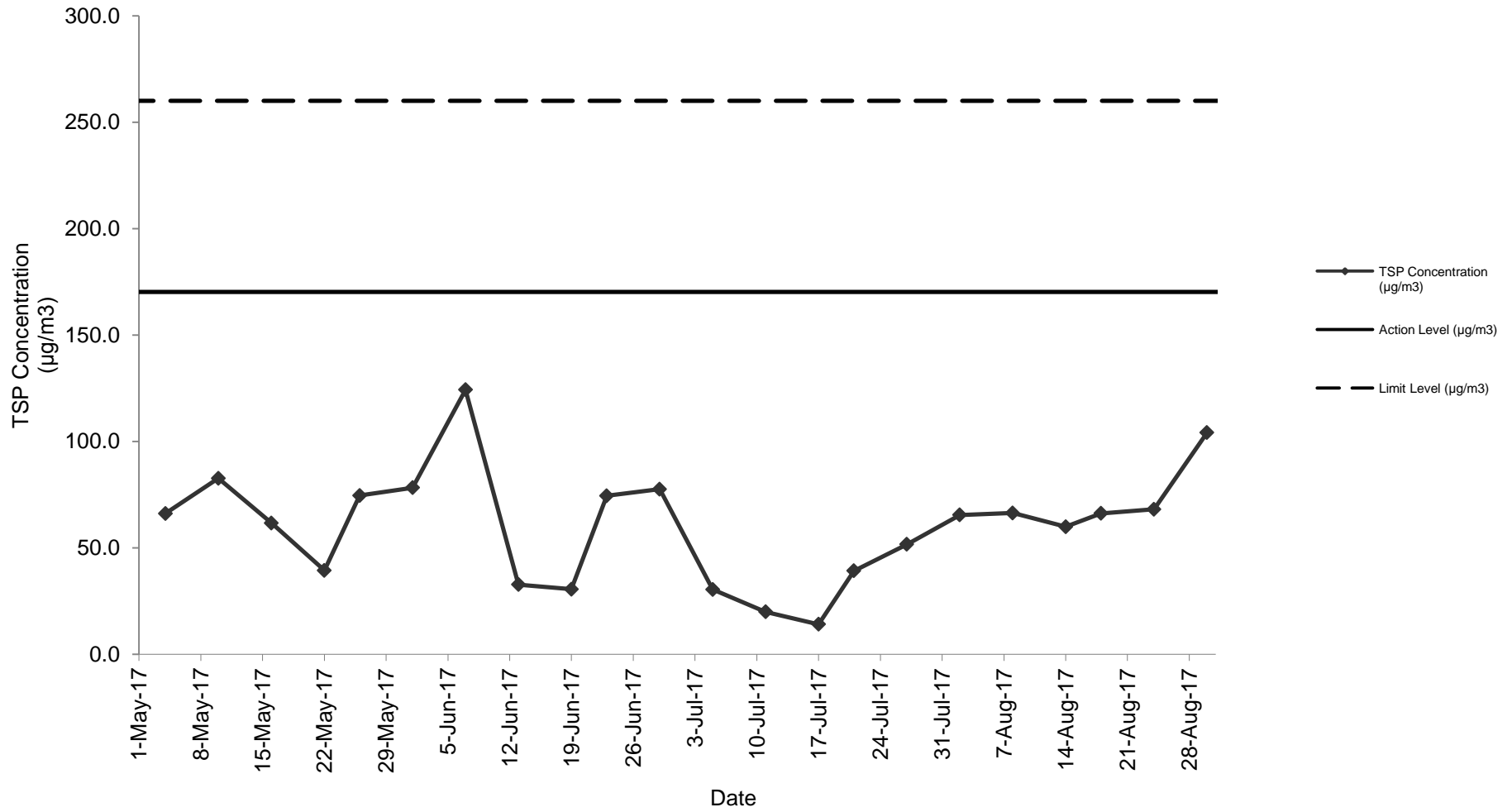
Sampling Date	Weather Condition	Starting Time	Paper No.	Wt. of paper (g)			Elapse Time			Flow Rate (CFM)			Flow Rate (m <sup>3</sup> /min)			Total Volume (m <sup>3</sup> )	TSP Concentration (µg/m <sup>3</sup> )	Action Level (µg/m <sup>3</sup> )	Limit Level (µg/m <sup>3</sup> )	Wind speed m/s	Wind direction	NOE	IR
				Initial Wt.	Final Wt.	Wt. of Dust	Initial	Final	Sampling Hour	Initial	Final	Avg Flow Rate	Initial	Final	Avg Flow Rate								
2-Aug-17	Fine	12:11	CC72	2.8640	3.0001	0.1361	6871.67	6895.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	65.4	170.3	260.0	<5	N		
8-Aug-17	Sunny	12:10	CC74	2.8523	2.9904	0.1381	6898.67	6922.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	66.4	170.3	260.0	<5	N		
14-Aug-17	Sunny	12:10	CC76	2.8575	2.9821	0.1246	6925.67	6949.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	59.9	170.3	260.0	<5	N		
18-Aug-17	Sunny	12:09	CC78	2.8599	2.9976	0.1377	6952.67	6976.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	66.2	170.3	260.0	<5	N		
24-Aug-17	Sunny	12:09	CC80	2.8262	2.9679	0.1417	6979.67	7003.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	68.1	170.3	260.0	<5	N		
30-Aug-17	Fine	12:10	CC82	2.8299	3.0465	0.2166	7006.67	7030.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	104.2	170.3	260.0	<5	N		
																<b>Average</b>	71.7						
																<b>Min</b>	59.9						
																<b>Max</b>	104.2						

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

### 24-Hour TSP Monitoring Result at Station: SR77



### 24-Hour TSP Monitoring Result at Station: SR77 (May 2017 - August 2017)



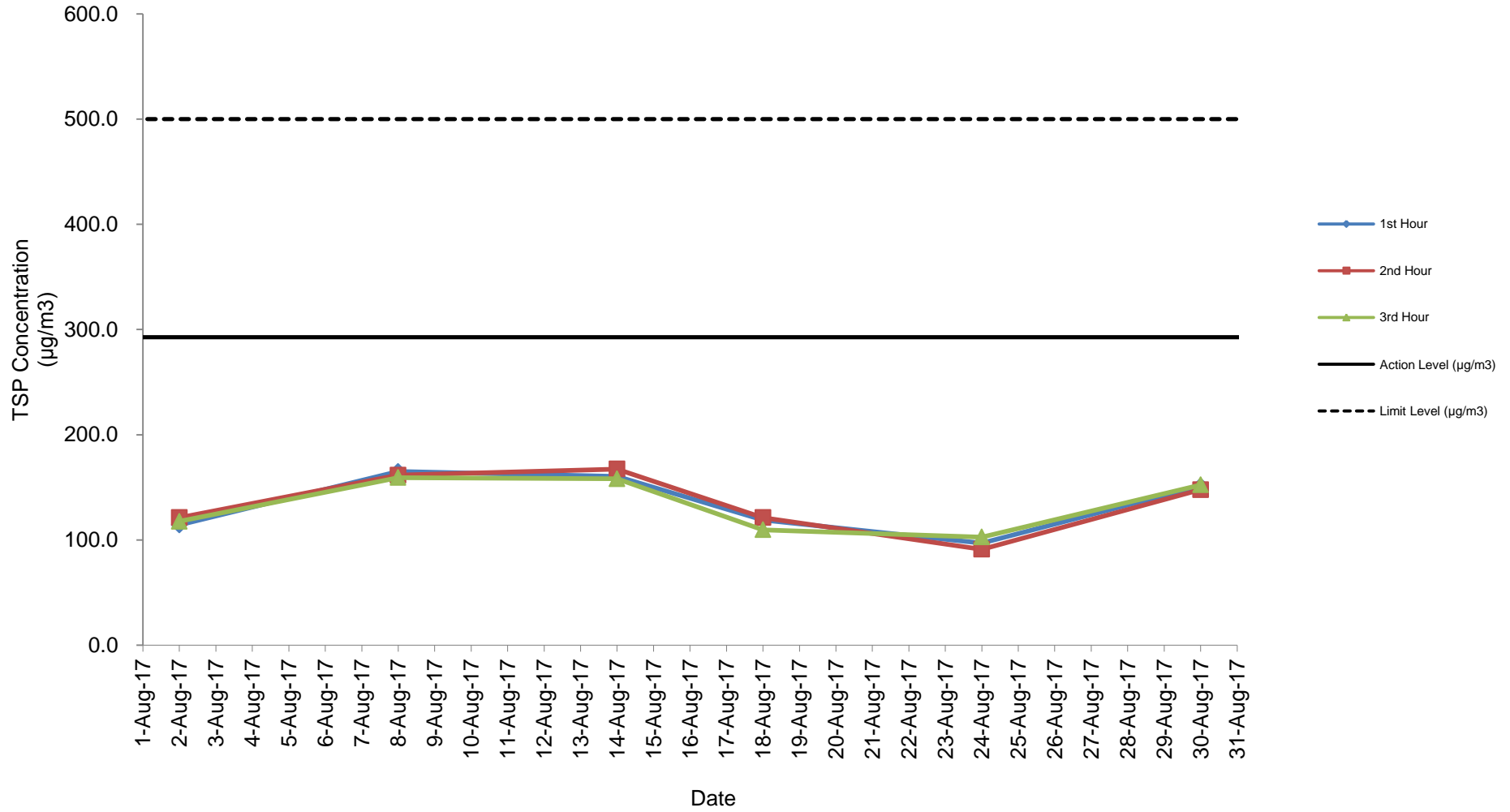
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Air Quality Monitoring Results and their Graphical Presentation

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 <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						
2-Aug-17	Fine	09:00	CC73A	2.8606	2.8705	0.0099	6868.67	6869.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	114.3	292.7	500.0	<5	N
	Fine	10:03	CC73B	2.8549	2.8654	0.0105	6869.67	6870.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	121.2	292.7	500.0	<5	N
	Fine	11:07	CC73C	2.8287	2.8389	0.0102	6870.67	6871.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	117.7	292.7	500.0	<5	N
8-Aug-17	Sunny	09:00	CC75A	2.8546	2.8689	0.0143	6895.67	6896.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	165.0	292.7	500.0	<5	N
	Sunny	10:04	CC75B	2.8461	2.8601	0.0140	6896.67	6897.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	161.6	292.7	500.0	<5	N
	Sunny	11:07	CC75C	2.8601	2.8739	0.0138	6897.67	6898.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	159.3	292.7	500.0	<5	N
14-Aug-17	Sunny	09:00	CC77A	2.8505	2.8644	0.0139	6922.67	6923.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	160.4	292.7	500.0	<5	N
	Sunny	10:04	CC77B	2.8371	2.8516	0.0145	6923.67	6924.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	167.3	292.7	500.0	<5	N
	Sunny	11:08	CC77C	2.8394	2.8531	0.0137	6924.67	6925.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	158.1	292.7	500.0	<5	N
18-Aug-17	Sunny	09:00	CC79A	2.8566	2.8669	0.0103	6949.67	6950.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	118.9	292.7	500.0	<5	N
	Sunny	10:03	CC79B	2.8446	2.8551	0.0105	6950.67	6951.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	121.2	292.7	500.0	<5	N
	Sunny	11:07	CC79C	2.8471	2.8566	0.0095	6951.67	6952.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	109.6	292.7	500.0	<5	N
24-Aug-17	Sunny	09:00	CC81A	2.8522	2.8606	0.0084	6976.67	6977.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	96.9	292.7	500.0	<5	N
	Sunny	10:02	CC81B	2.8392	2.8471	0.0079	6977.67	6978.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	91.2	292.7	500.0	<5	N
	Sunny	11:05	CC81C	2.8417	2.8506	0.0089	6978.67	6979.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	102.7	292.7	500.0	<5	N
30-Aug-17	Fine	09:00	CC83A	2.8585	2.8716	0.0131	7003.67	7004.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	151.2	292.7	500.0	<5	N
	Fine	10:03	CC83B	2.8319	2.8447	0.0128	7004.67	7005.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	147.7	292.7	500.0	<5	N
	Fine	11:07	CC83C	2.8299	2.8431	0.0132	7005.67	7006.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	152.3	292.7	500.0	<5	N
																<b>Average</b>	134.3				
																<b>Min</b>	91.2				
																<b>Max</b>	167.3				

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 (May 2017 - August 2017)

