

# **Appendix F**

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

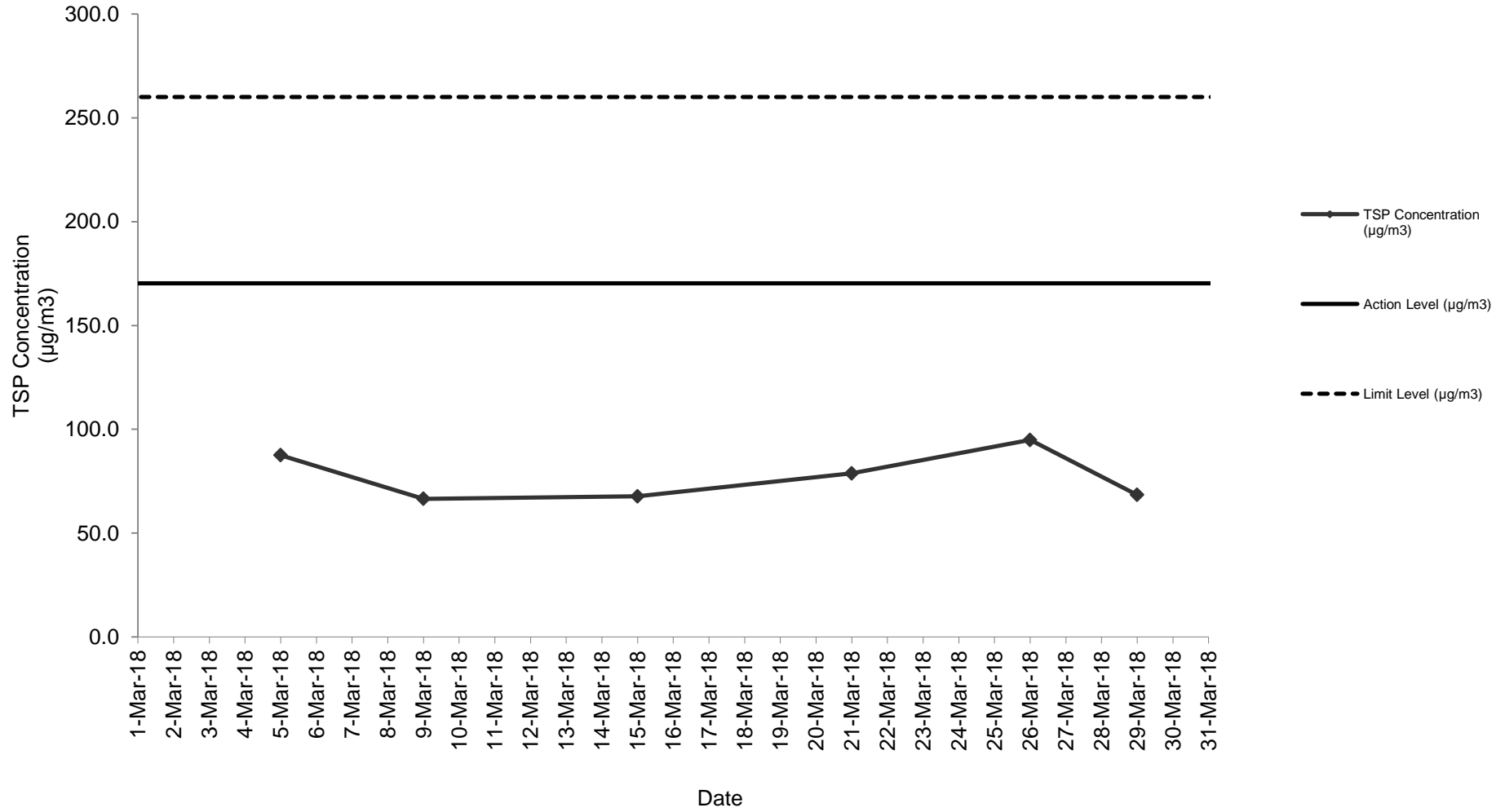
Appendix F  
Air Quality Monitoring Results and their Graphical Presentation

24-Hour TSP Monitoring Result at Station: SR77

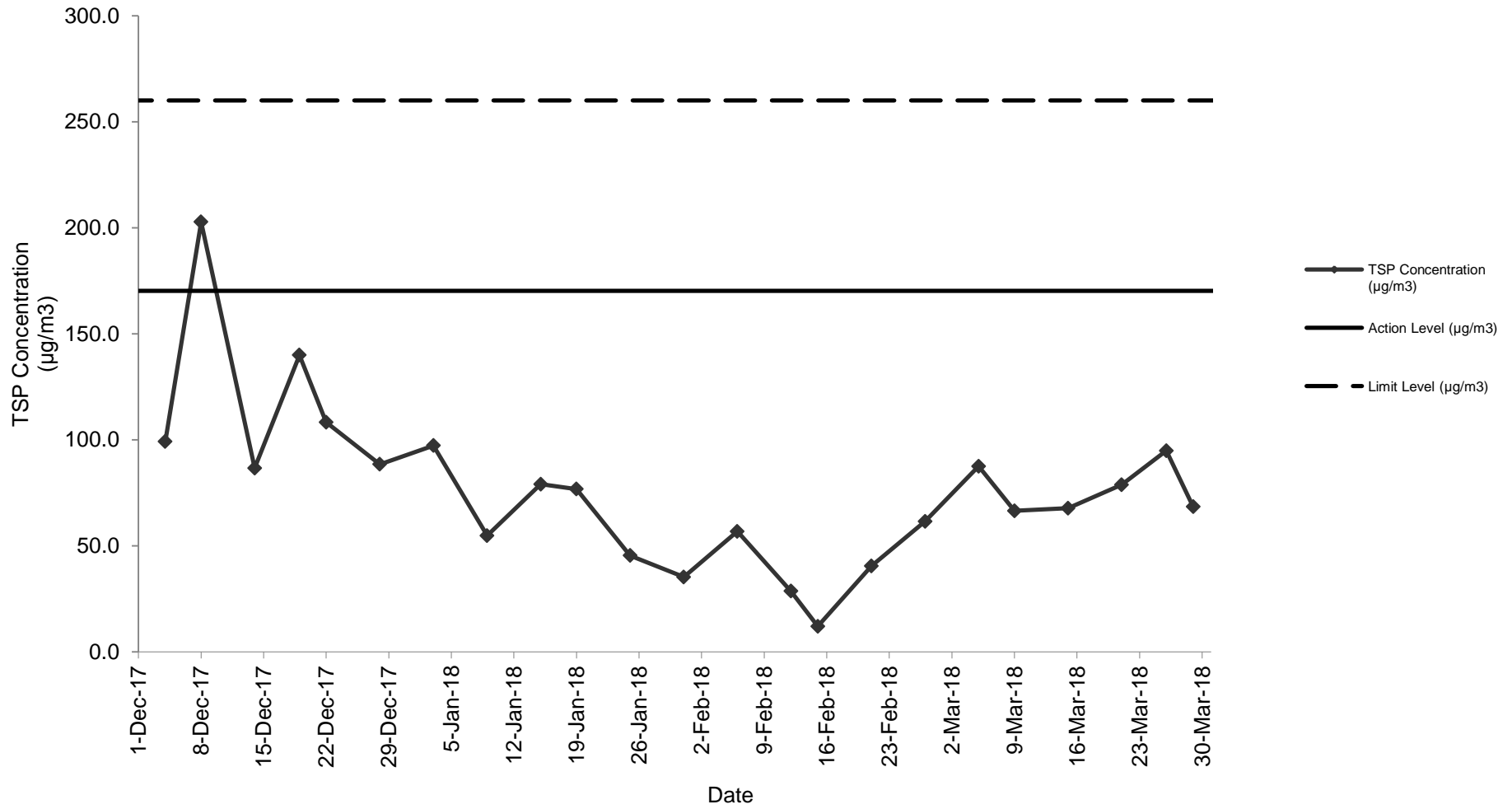
Sampling Date	Weather Condition	Starting Time	Paper No.	Wt. of paper (g)			Elapse Time			Flow Rate (CFM)			Flow Rate (m <sup>3</sup> /min)			Total Volume (m <sup>3</sup> )	TSP Concentration (µg/m <sup>3</sup> )	Action Level (µg/m <sup>3</sup> )	Limit Level (µg/m <sup>3</sup> )	Wind speed m/s	Wind direction	NOE	IR
				Initial Wt.	Final Wt.	Wt. of Dust	Initial	Final	Sampling Hour	Initial	Final	Avg Flow Rate	Initial	Final	Avg Flow Rate								
5-Mar-18	Sunny	12:11	C502	2.8215	3.0035	0.1820	7928.67	7952.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	87.5	170.3	260.0	<5	N		
9-Mar-18	Sunny	12:11	C504	2.8085	2.9468	0.1383	7955.67	7979.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	66.5	170.3	260.0	<5	N		
15-Mar-18	Cloudy	12:12	C506	2.8086	2.9495	0.1409	7982.67	8006.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	67.8	170.3	260.0	<5	N		
21-Mar-18	Sunny	12:12	C508	2.8157	2.9796	0.1639	8009.67	8033.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	78.8	170.3	260.0	<5	N		
26-Mar-18	Cloudy	12:11	C510	2.8036	3.0009	0.1973	8036.67	8060.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	94.9	170.3	260.0	<5	N		
29-Mar-18	Sunny	12:10	C512	2.8105	2.9528	0.1423	8063.67	8087.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	68.4	170.3	260.0	<5	N		
																<b>Average</b>	77.3						
																<b>Min</b>	66.5						
																<b>Max</b>	94.9						

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 (December 2017 - March 2018)



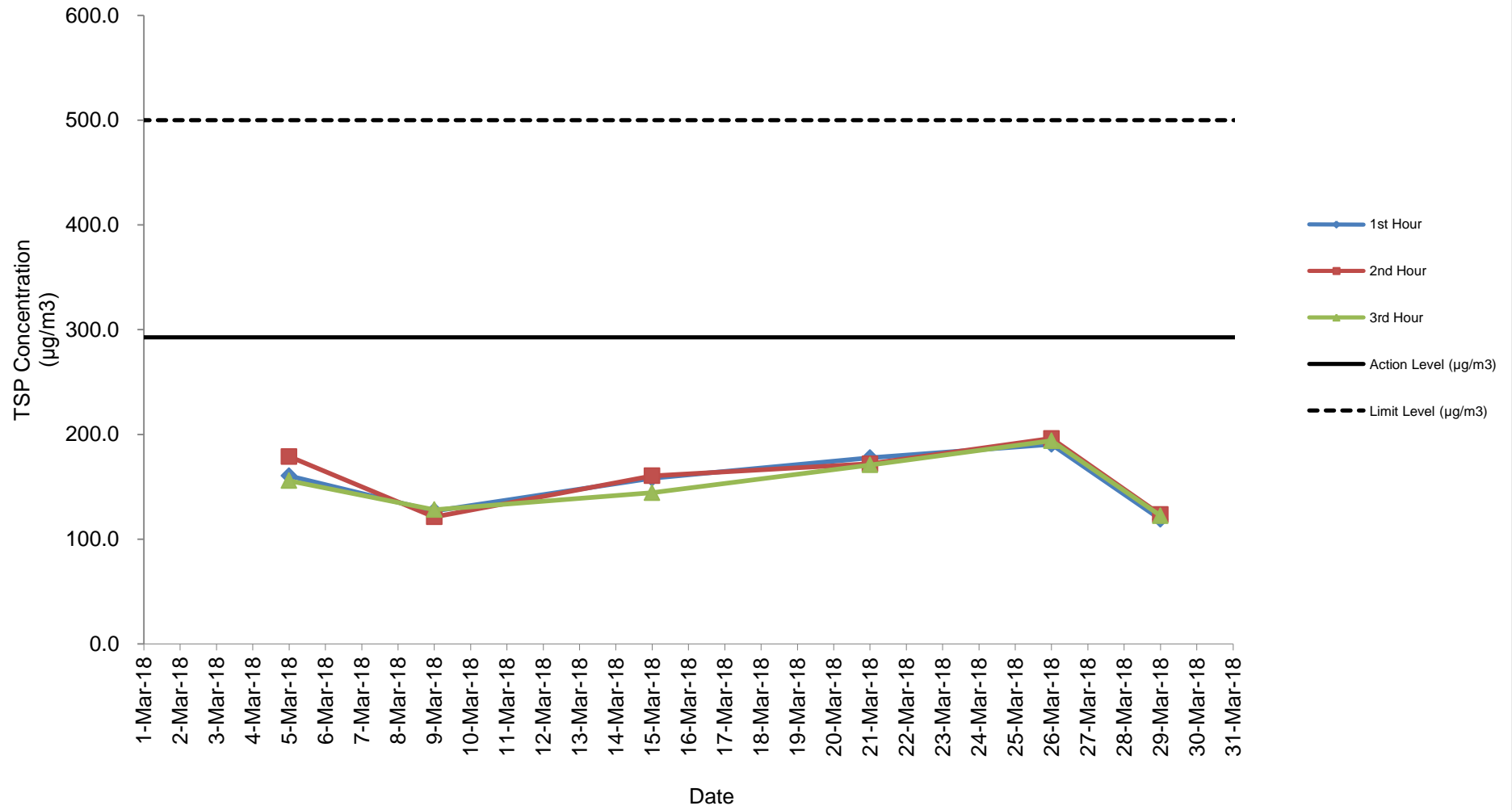
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Detailed Calculation of 1-Hour TSP Monitoring Result at Station: SR77

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-Mar-18	Sunny	09:00	C503A	2.8042	2.8181	0.0139	7925.67	7926.67	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	C503B	2.8006	2.8161	0.0155	7926.67	7927.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	178.9	292.7	500.0	<5	N
	Sunny	11:08	C503C	2.8089	2.8224	0.0135	7927.67	7928.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	155.8	292.7	500.0	<5	N
9-Mar-18	Sunny	09:00	C505A	2.8017	2.8127	0.0110	7952.67	7953.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	126.9	292.7	500.0	<5	N
	Sunny	10:03	C505B	2.8044	2.8149	0.0105	7953.67	7954.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	121.2	292.7	500.0	<5	N
	Sunny	11:08	C505C	2.8111	2.8222	0.0111	7954.67	7955.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	128.1	292.7	500.0	<5	N
15-Mar-18	Cloudy	09:00	C507A	2.8023	2.8160	0.0137	7979.67	7980.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	158.1	292.7	500.0	<5	N
	Cloudy	10:04	C507B	2.8111	2.8250	0.0139	7980.67	7981.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	160.4	292.7	500.0	<5	N
	Cloudy	11:09	C507C	2.8072	2.8197	0.0125	7981.67	7982.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	144.3	292.7	500.0	<5	N
21-Mar-18	Sunny	09:00	C509A	2.8157	2.8311	0.0154	8006.67	8007.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	177.7	292.7	500.0	<5	N
	Sunny	10:03	C509B	2.8069	2.8218	0.0149	8007.67	8008.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	172.0	292.7	500.0	<5	N
	Sunny	11:08	C509C	2.8146	2.8294	0.0148	8008.67	8009.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	170.8	292.7	500.0	<5	N
26-Mar-18	Cloudy	09:00	C511A	2.8086	2.8251	0.0165	8033.67	8034.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	190.4	292.7	500.0	<5	N
	Cloudy	10:03	C511B	2.8121	2.8291	0.0170	8034.67	8035.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	196.2	292.7	500.0	<5	N
	Cloudy	11:08	C511C	2.8053	2.8221	0.0168	8035.67	8036.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	193.9	292.7	500.0	<5	N
29-Mar-18	Sunny	09:00	C513A	2.8050	2.8153	0.0103	8060.67	8061.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	118.9	292.7	500.0	<5	N
	Sunny	10:04	C513B	2.8108	2.8215	0.0107	8061.67	8062.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	123.5	292.7	500.0	<5	N
	Sunny	11:08	C513C	2.8083	2.8189	0.0106	8062.67	8063.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	122.3	292.7	500.0	<5	N
																<b>Average</b>	155.5				
																<b>Min</b>	118.9				
																<b>Max</b>	196.2				

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

### 1-Hour TSP Monitoring Result at station: SR77



### 1-Hour TSP Monitoring Result at station: SR77 (December 2017 - March 2018)

