

# **Appendix F**

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

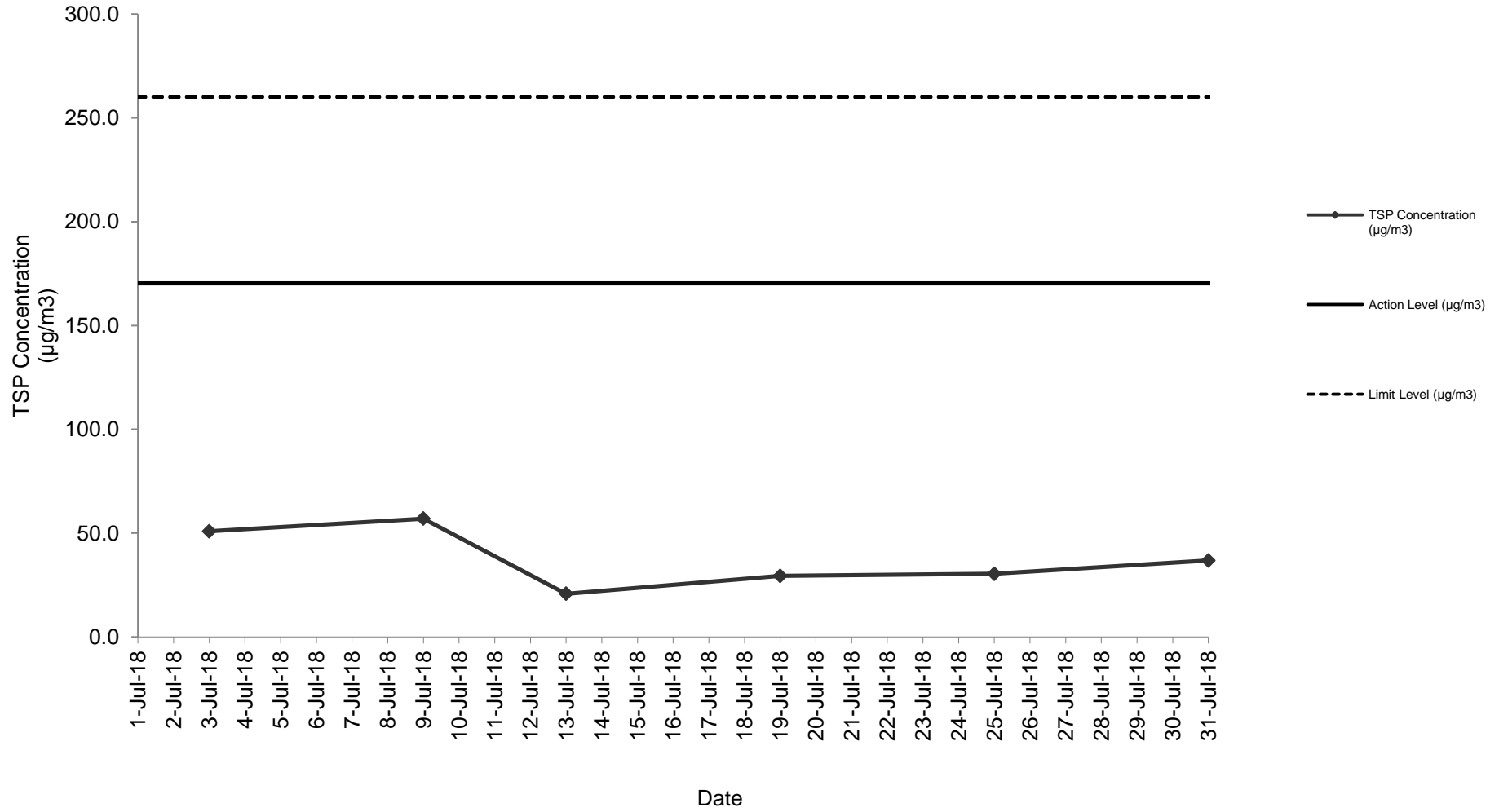
Appendix F  
Air Quality Monitoring Results and their Graphical Presentation

24-Hour TSP Monitoring Result at Station: SR77

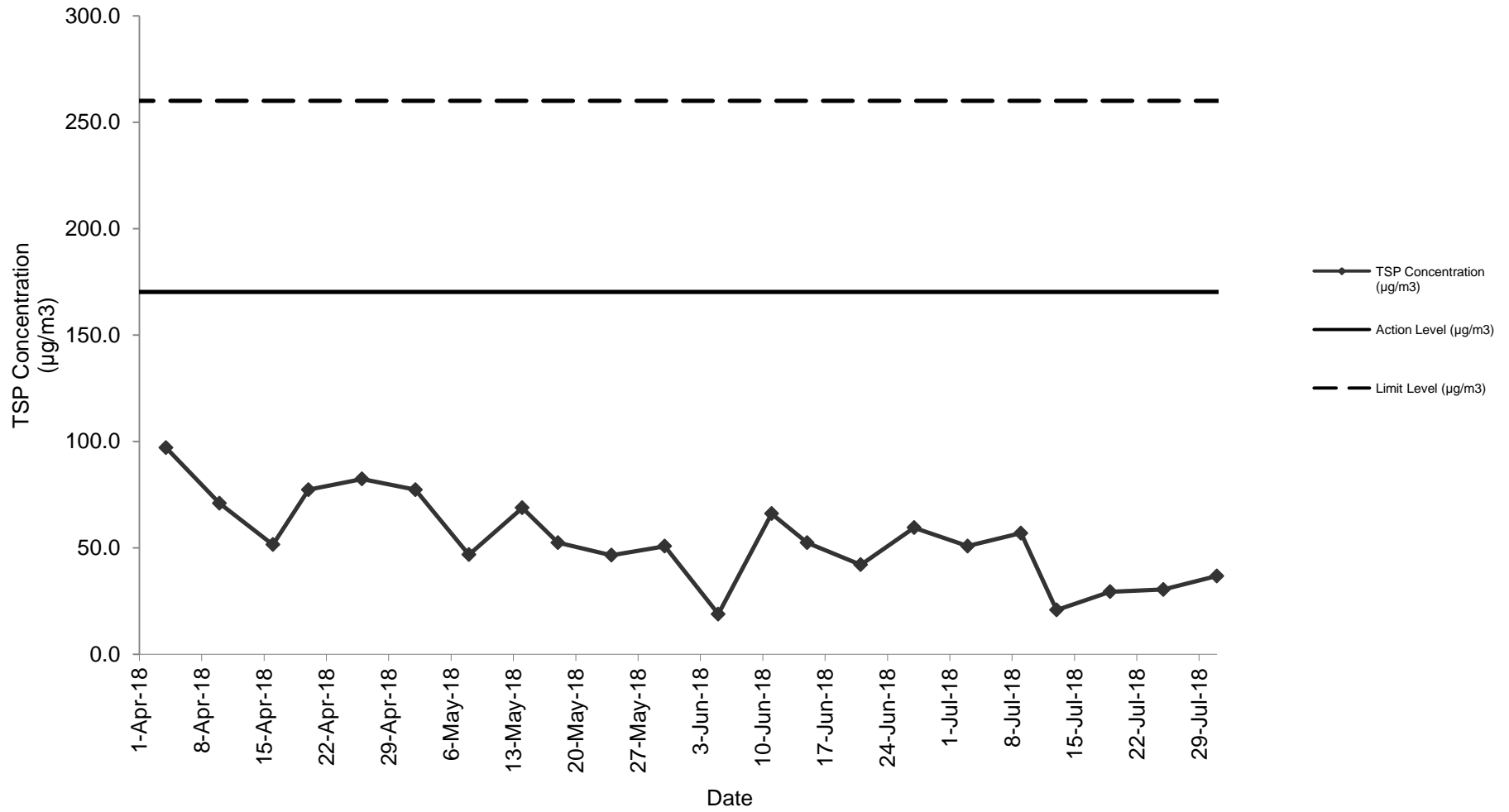
Sampling Date	Weather Condition	Starting Time	Paper No.	Wt. of paper (g)			Elapse Time			Flow Rate (CFM)			Flow Rate (m <sup>3</sup> /min)			Total Volume (m <sup>3</sup> )	TSP Concentration (µg/m <sup>3</sup> )	Action Level (µg/m <sup>3</sup> )	Limit Level (µg/m <sup>3</sup> )	Wind speed m/s	Wind direction	NOE	IR
				Initial Wt.	Final Wt.	Wt. of Dust	Initial	Final	Sampling Hour	Initial	Final	Avg Flow Rate	Initial	Final	Avg Flow Rate								
3-Jul-18	Rainy	12:10	C148	2.8176	2.9234	0.1058	8523.67	8547.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	50.9	170.3	260.0	<5	N		
9-Jul-18	Fine	12:11	C150	2.8152	2.9337	0.1185	8550.67	8574.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	57.0	170.3	260.0	<5	N		
13-Jul-18	Rainy	12:12	C152	2.8085	2.8518	0.0433	8577.67	8601.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	20.8	170.3	260.0	<5	N		
19-Jul-18	Cloudy	12:10	C154	2.8219	2.8831	0.0612	8604.67	8628.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	29.4	170.3	260.0	<5	N		
25-Jul-18	Fine	12:12	C156	2.8181	2.8814	0.0633	8631.67	8655.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	30.4	170.3	260.0	<5	N		
31-Jul-18	Fine	12:11	C158	2.8119	2.8884	0.0765	8658.67	8682.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	36.8	170.3	260.0	<5	N		
																<b>Average</b>	37.6						
																<b>Min</b>	20.8						
																<b>Max</b>	57.0						

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

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



### 24-Hour TSP Monitoring Result at Station: SR77 (April 2018 - July 2018)



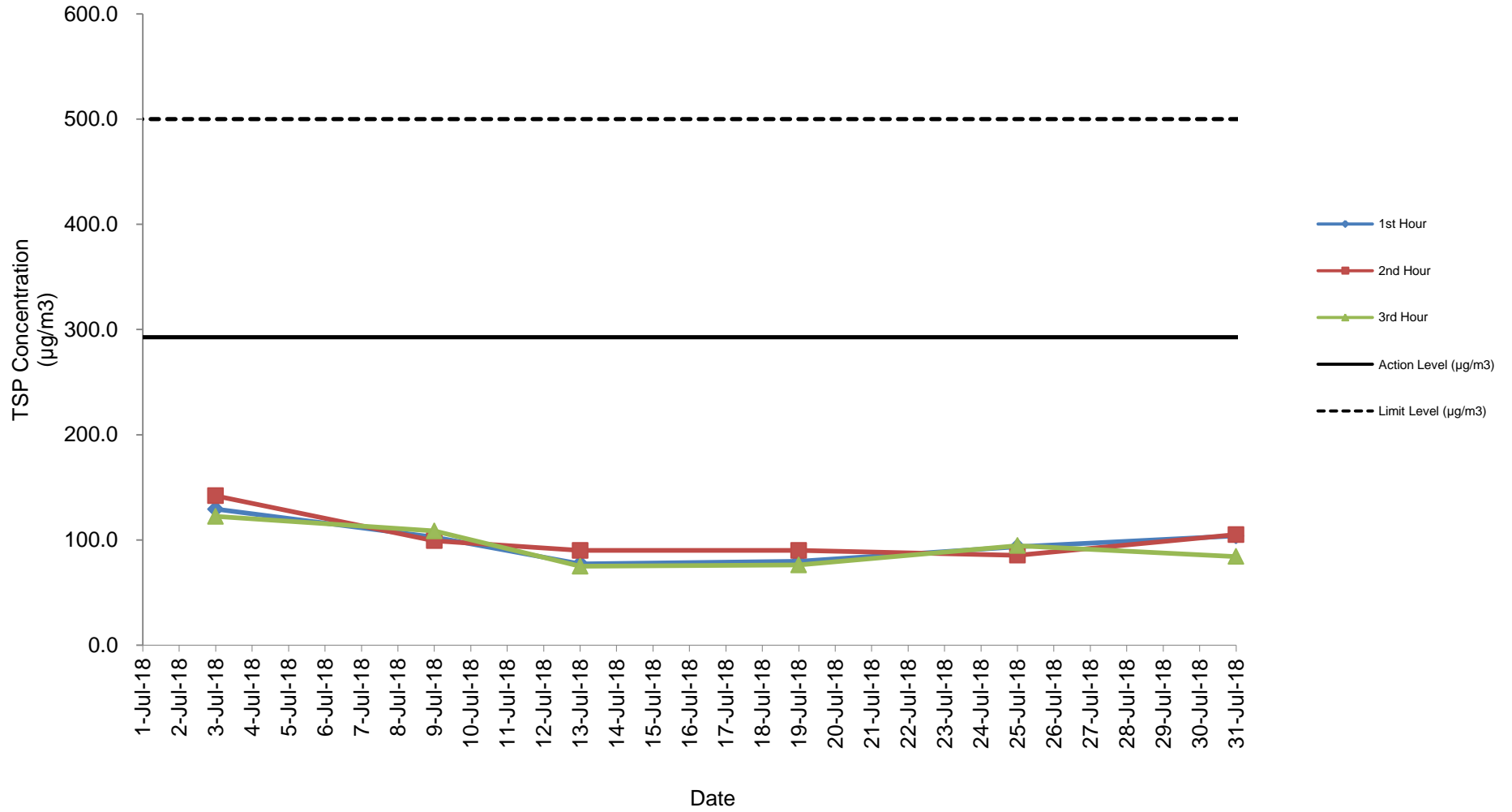
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Detailed Calculation of 1-Hour TSP Monitoring Result at Station: SR77

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	NOE	IR
				Initial Wt.	Final Wt.	Wt. of Dust	Initial	Final	Sampling Hour	Initial	Final	Avg Flow Rate	Initial	Final	Avg Flow Rate								
3-Jul-18	Rainy	09:00	C149A	2.8189	2.8301	0.0112	8520.67	8521.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	129.3	292.7	500.0	<5	N		
	Rainy	10:04	C149B	2.8076	2.8199	0.0123	8521.67	8522.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	142.0	292.7	500.0	<5	N		
	Rainy	11:08	C149C	2.8211	2.8317	0.0106	8522.67	8523.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	122.3	292.7	500.0	<5	N		
9-Jul-18	Fine	09:00	C151A	2.8228	2.8317	0.0089	8547.67	8548.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	102.7	292.7	500.0	<5	N		
	Fine	10:04	C151B	2.8138	2.8224	0.0086	8548.67	8549.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	99.3	292.7	500.0	<5	N		
	Fine	11:07	C151C	2.8167	2.8261	0.0094	8549.67	8550.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	108.5	292.7	500.0	<5	N		
13-Jul-18	Rainy	09:00	C153A	2.8129	2.8196	0.0067	8574.67	8575.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	77.3	292.7	500.0	<5	N		
	Rainy	10:04	C153B	2.8111	2.8189	0.0078	8575.67	8576.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	90.0	292.7	500.0	<5	N		
	Rainy	11:08	C153C	2.8146	2.8211	0.0065	8576.67	8577.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	75.0	292.7	500.0	<5	N		
19-Jul-18	Cloudy	09:00	C155A	2.8074	2.8143	0.0069	8601.67	8602.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	79.6	292.7	500.0	<5	N		
	Cloudy	10:04	C155B	2.8012	2.8090	0.0078	8602.67	8603.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	90.0	292.7	500.0	<5	N		
	Cloudy	11:08	C155C	2.7961	2.8027	0.0066	8603.67	8604.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	76.2	292.7	500.0	<5	N		
25-Jul-18	Fine	09:00	C157A	2.8097	2.8178	0.0081	8628.67	8629.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	93.5	292.7	500.0	<5	N		
	Fine	10:04	C157B	2.8134	2.8208	0.0074	8629.67	8630.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	85.4	292.7	500.0	<5	N		
	Fine	11:08	C157C	2.8119	2.8201	0.0082	8630.67	8631.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	94.6	292.7	500.0	<5	N		
31-Jul-18	Fine	09:00	C159A	2.8061	2.8151	0.0090	8655.67	8656.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	103.9	292.7	500.0	<5	N		
	Fine	10:03	C159B	2.8114	2.8205	0.0091	8656.67	8657.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	105.0	292.7	500.0	<5	N		
	Fine	11:08	C159C	2.8049	2.8122	0.0073	8657.67	8658.67	1.00	51	51	51.0	1.44	1.44	1.44	86.65	84.2	292.7	500.0	<5	N		
																<b>Average</b>	97.7						
																<b>Min</b>	75.0						
																<b>Max</b>	142.0						

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 (April 2018 - July 2018)

