

# **Appendix F**

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

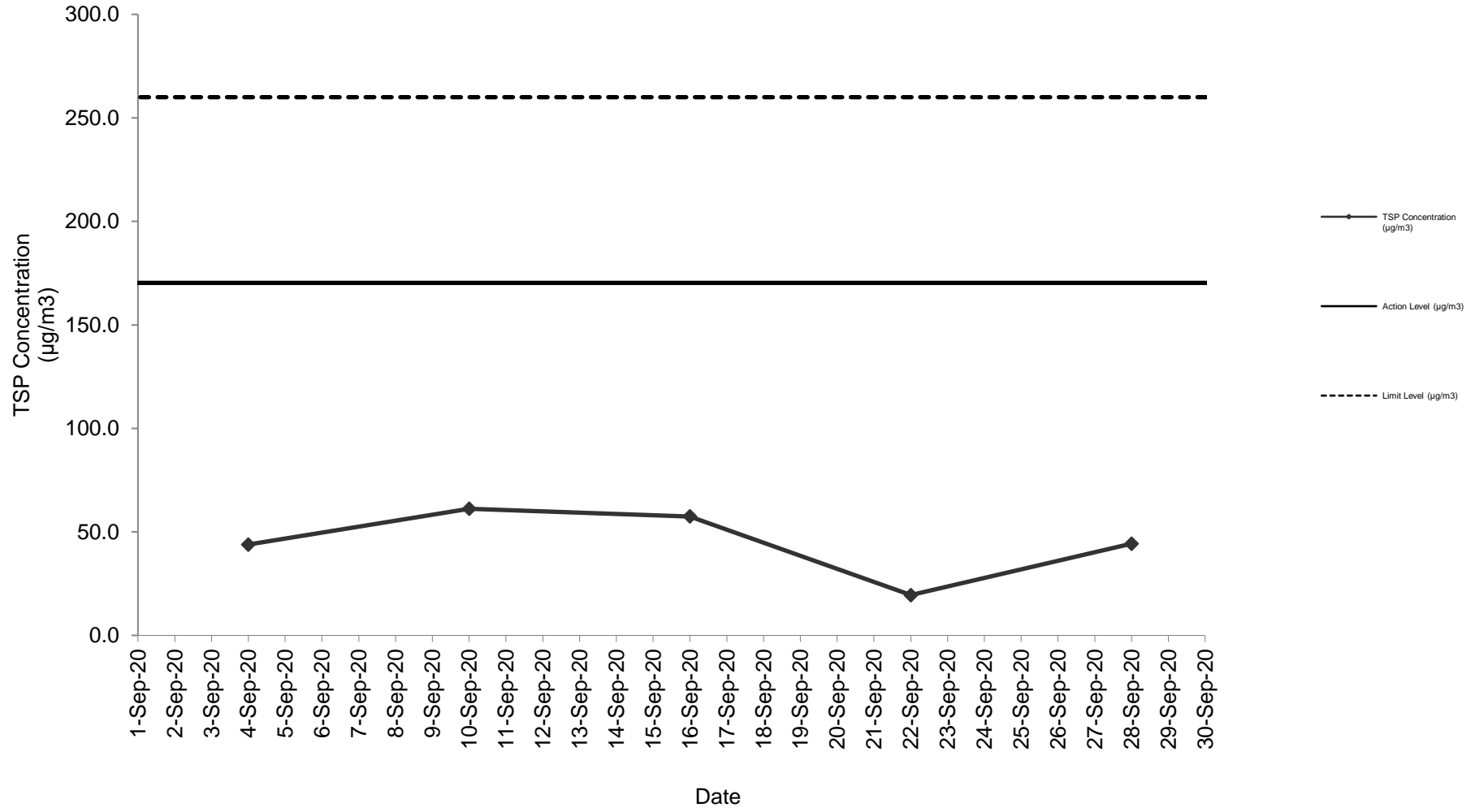
Appendix F  
Air Quality Monitoring Results and their Graphical Presentation

24-Hour TSP Monitoring Result at Station: SR77

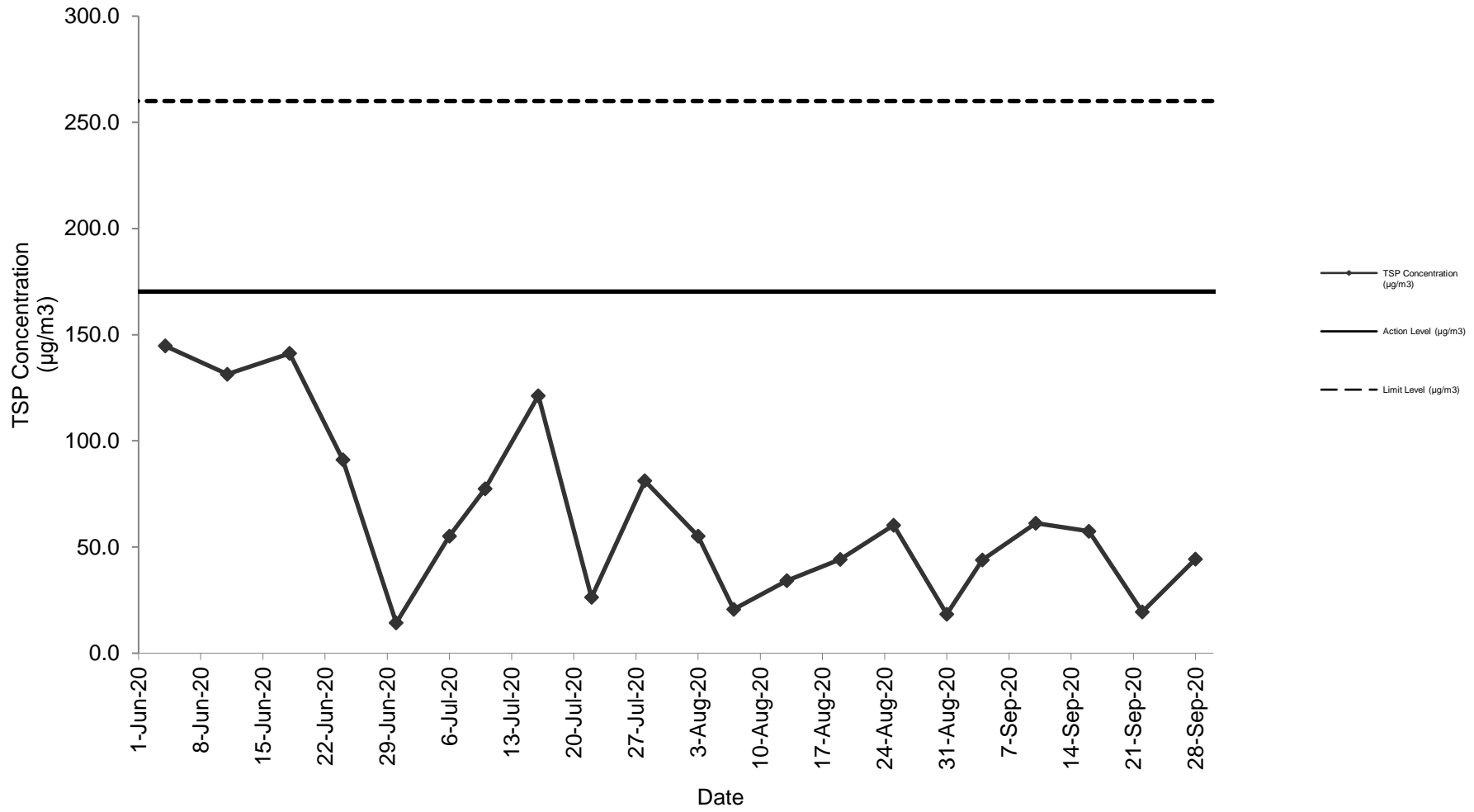
Sampling Date	Weather Condition	Starting Time	Paper No.	Wt. of paper (g)			Elapse Time			Flow Rate (CFM)			Flow Rate (m <sup>3</sup> /min)			Total Volume (m <sup>3</sup> )	TSP Concentration (µg/m <sup>3</sup> )	Action Level (µg/m <sup>3</sup> )	Limit Level (µg/m <sup>3</sup> )	Wind speed m/s	Wind direction	NOE	IR
				Initial Wt.	Final Wt.	Wt. of Dust	Initial	Final	Sampling Hour	Initial	Final	Avg Flow Rate	Initial	Final	Avg Flow Rate								
4-Sep-20	Fine	13:20	-	-	-	-	-	-	-	-	-	-	-	-	-	43.9	170.3	260.0	<5	N			
10-Sep-20	Fine	13:10	-	-	-	-	-	-	-	-	-	-	-	-	-	61.2	170.3	260.0	<5	N			
16-Sep-20	Fine	13:00	-	-	-	-	-	-	-	-	-	-	-	-	-	57.4	170.3	260.0	<5	N			
22-Sep-20	Fine	13:45	-	-	-	-	-	-	-	-	-	-	-	-	-	19.5	170.3	260.0	<5	N			
28-Sep-20	Cloudy	13:30	-	-	-	-	-	-	-	-	-	-	-	-	-	44.3	170.3	260.0	<5	N			
																<b>Average</b>	45.3						
																<b>Min</b>	19.5						
																<b>Max</b>	61.2						

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  
 The electricity supply of HVS at AM1(SR77) was suspended from 16 May 2019 and was no longer available. In order to have a more secure electricity supply, an alternative Handheld TSP meter was proposed to use for the temporary monitoring of 24-hr & 1hr air quality from 22 May 2019.

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



### 24-Hour TSP Monitoring Result at Station: SR77 (June 2020 - September 2020)



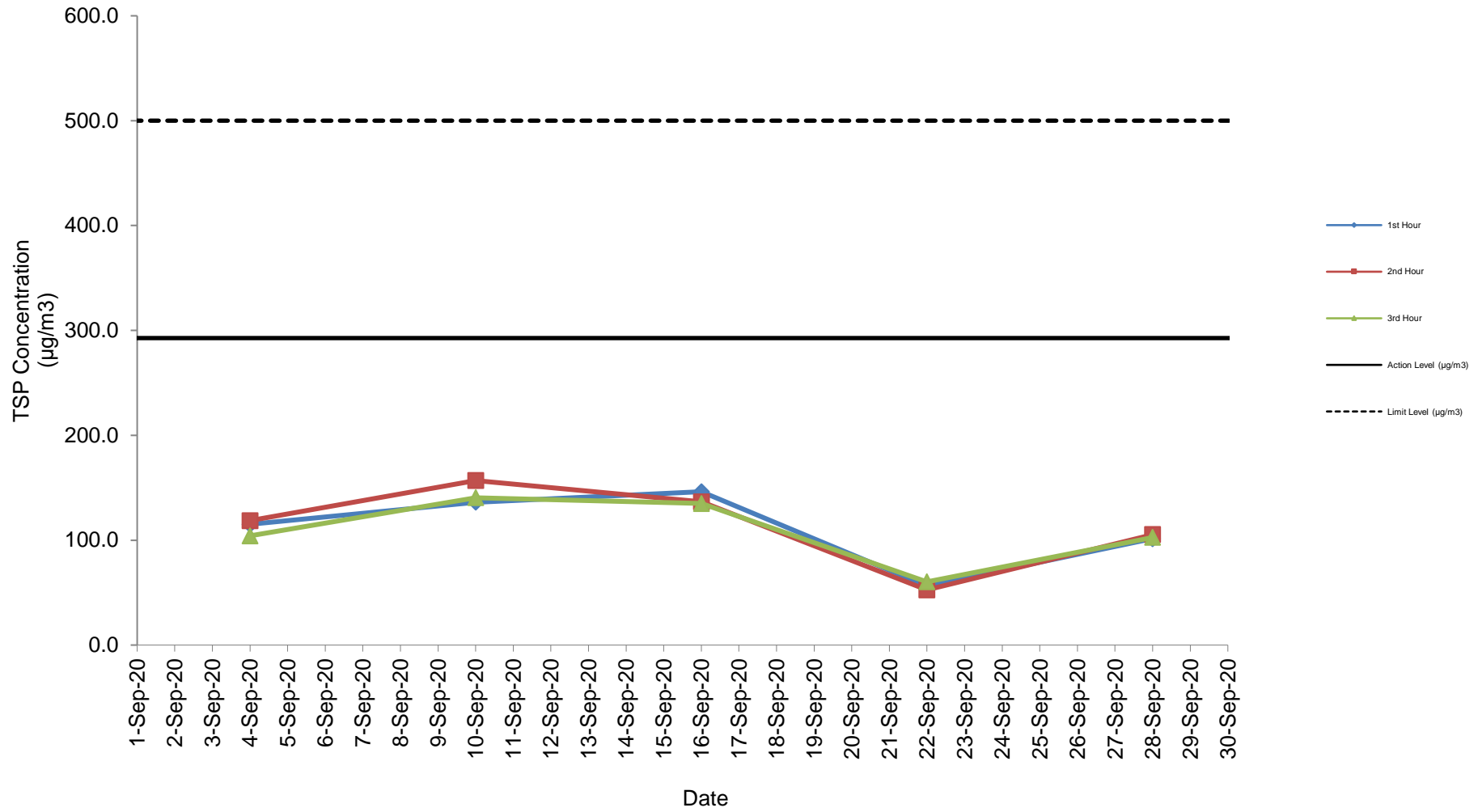
Appendix E  
Air Quality Monitoring Results and their Graphical Presentation

1-Hour TSP Monitoring Result at Station: SR77

Date	Weather Condition	Time		Conc.( $\mu\text{g}/\text{m}^3$ )			Action Level ( $\mu\text{g}/\text{m}^3$ )	Limit Level ( $\mu\text{g}/\text{m}^3$ )	
				1 <sup>st</sup> Hour	2 <sup>nd</sup> Hour	3 <sup>rd</sup> Hour			
4-Sep-20	Fine	10:20	-	13:20	115.1	118.6	104.2	292.7	500.0
10-Sep-20	Fine	10:10	-	13:10	136.1	156.9	140.4	292.7	500.0
16-Sep-20	Fine	10:00	-	13:00	146.2	136.6	135.0	292.7	500.0
22-Sep-20	Fine	10:45	-	13:35	56.5	52.6	60.3	292.7	500.0
28-Sep-20	Cloudy	10:30	-	13:00	101.5	105.4	102.7	292.7	500.0
				<b>Average</b>	111.2				
				<b>Min</b>	52.6				
				<b>Max</b>	156.9				

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

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



### 1-Hour TSP Monitoring Result at station: SR77 (June 2020 - September 2020)

