

Appendix F

Air Quality Monitoring Results and their Graphical Presentation

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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 ³ /min)			Total Volume (m ³)	TSP Concentration (µg/m ³)	Action Level (µg/m ³)	Limit Level (µg/m ³)	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								
6-Jul-20	Fine	13:15	-	-	-	-	-	-	-	-	-	-	-	-	-	55.1	170.3	260.0	<5	N			
10-Jul-20	Fine	13:45	-	-	-	-	-	-	-	-	-	-	-	-	-	77.4	170.3	260.0	<5	N			
16-Jul-20	Fine	13:15	-	-	-	-	-	-	-	-	-	-	-	-	-	121.2	170.3	260.0	<5	N			
22-Jul-20	Fine	13:45	-	-	-	-	-	-	-	-	-	-	-	-	-	26.3	170.3	260.0	<5	N			
28-Jul-20	Fine	13:15	-	-	-	-	-	-	-	-	-	-	-	-	-	81.2	170.3	260.0	<5	N			
																Average	72.2						
																Min	26.3						
																Max	121.2						

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.

Appendix E
Air Quality Monitoring Results and their Graphical Presentation

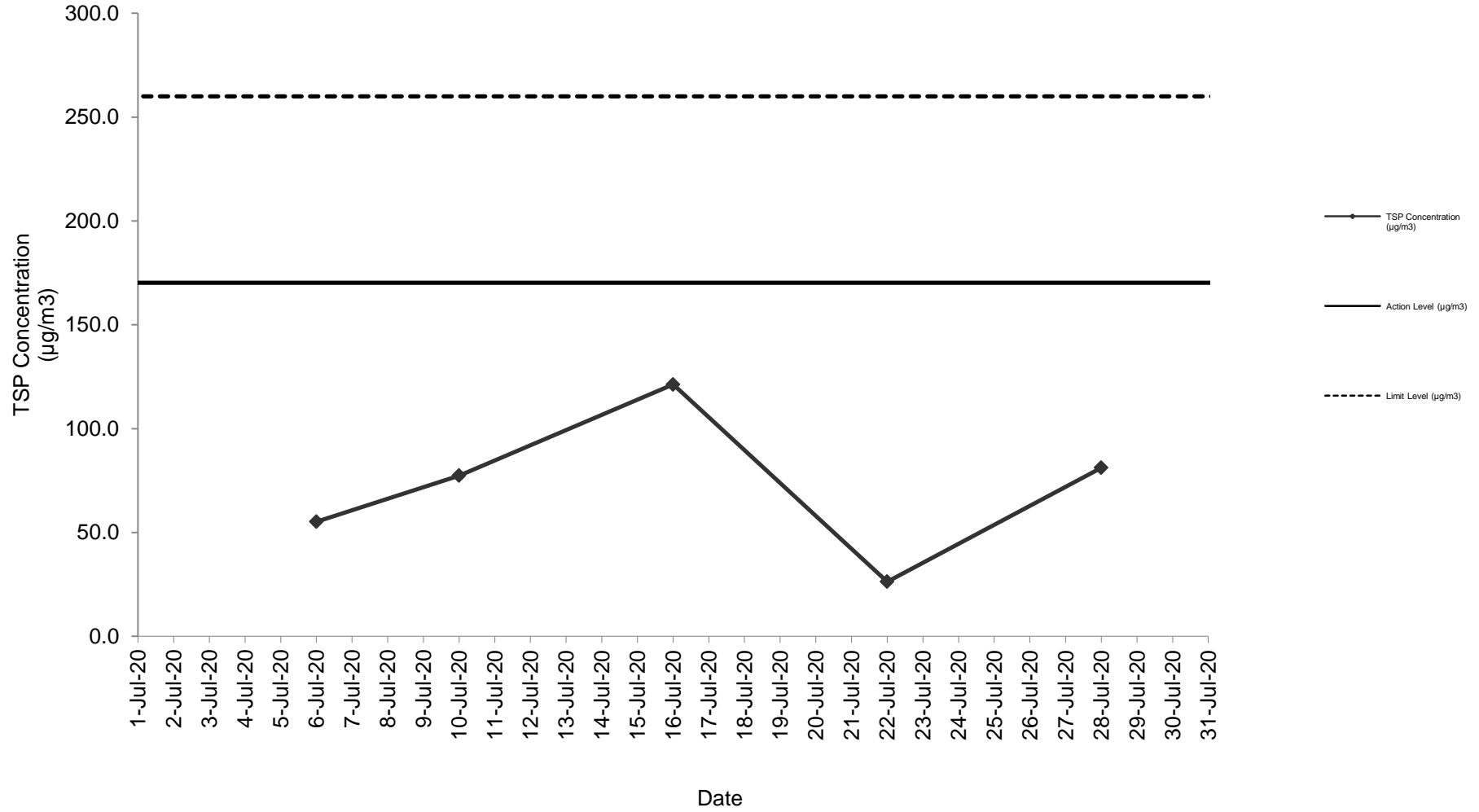
24-Hour TSP Monitoring Result at Station: SR77

Sampling Date	Weather Condition	Paper No.	Wt. of paper (g)			Elapse Time			Flow Rate (CFM)			Flow Rate (m ³ /min)			Total Volume (m ³)	TSP Concentration (µg/m ³)	Action Level (µg/m ³)	Limit Level (µg/m ³)	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-Apr-20	Cloudy	-	-	-	-	-	-	24.00	-	-	-	-	-	-	-	55.4	170.3	260.0	<5	N
9-Apr-20	Fine	-	-	-	-	-	-	24.00	-	-	-	-	-	-	-	88.2	170.3	260.0	<5	N
16-Apr-20	Sunny	-	-	-	-	-	-	24.00	-	-	-	-	-	-	-	141.7	170.3	260.0	<5	N
23-Apr-20	Cloudy	-	-	-	-	-	-	24.00	-	-	-	-	-	-	-	73.9	170.3	260.0	<5	N
29-Apr-20	Cloudy	-	-	-	-	-	-	24.00	-	-	-	-	-	-	-	68.6	170.3	260.0	<5	N
5-May-20	Fine	-	-	-	-	-	-	24.00	-	-	-	-	-	-	-	155.1	170.3	260.0	<5	N
11-May-20	Cloudy	-	-	-	-	-	-	24.00	-	-	-	-	-	-	-	66.7	170.3	260.0	<5	N
15-May-20	Fine	-	-	-	-	-	-	24.00	-	-	-	-	-	-	-	88.6	170.3	260.0	<5	N
21-May-20	Cloudy	-	-	-	-	-	-	24.00	-	-	-	-	-	-	-	89.3	170.3	260.0	<5	N
27-May-20	Cloudy	-	-	-	-	-	-	24.00	-	-	-	-	-	-	-	71.3	170.3	260.0	<5	N
4-Jun-20	Fine	-	-	-	-	-	-	24.00	-	-	-	-	-	-	-	144.7	170.3	260.0	<5	N
11-Jun-20	Fine	-	-	-	-	-	-	24.00	-	-	-	-	-	-	-	131.4	170.3	260.0	<5	N
18-Jun-20	Fine	-	-	-	-	-	-	24.00	-	-	-	-	-	-	-	141.2	170.3	260.0	<5	N
24-Jun-20	Fine	-	-	-	-	-	-	24.00	-	-	-	-	-	-	-	91.1	170.3	260.0	<5	N
30-Jun-20	Fine	-	-	-	-	-	-	24.00	-	-	-	-	-	-	-	14.3	170.3	260.0	<5	N
6-Jul-20	Fine	-	-	-	-	-	-	24.00	-	-	-	-	-	-	-	55.1	170.3	260.0	<5	N
10-Jul-20	Fine	-	-	-	-	-	-	24.00	-	-	-	-	-	-	-	77.4	170.3	260.0	<5	N
16-Jul-20	Fine	-	-	-	-	-	-	24.00	-	-	-	-	-	-	-	121.2	170.3	260.0	<5	N
22-Jul-20	Fine	-	-	-	-	-	-	24.00	-	-	-	-	-	-	-	26.3	170.3	260.0	<5	N
28-Jul-20	Fine	-	-	-	-	-	-	24.00	-	-	-	-	-	-	-	81.2	170.3	260.0	<5	N

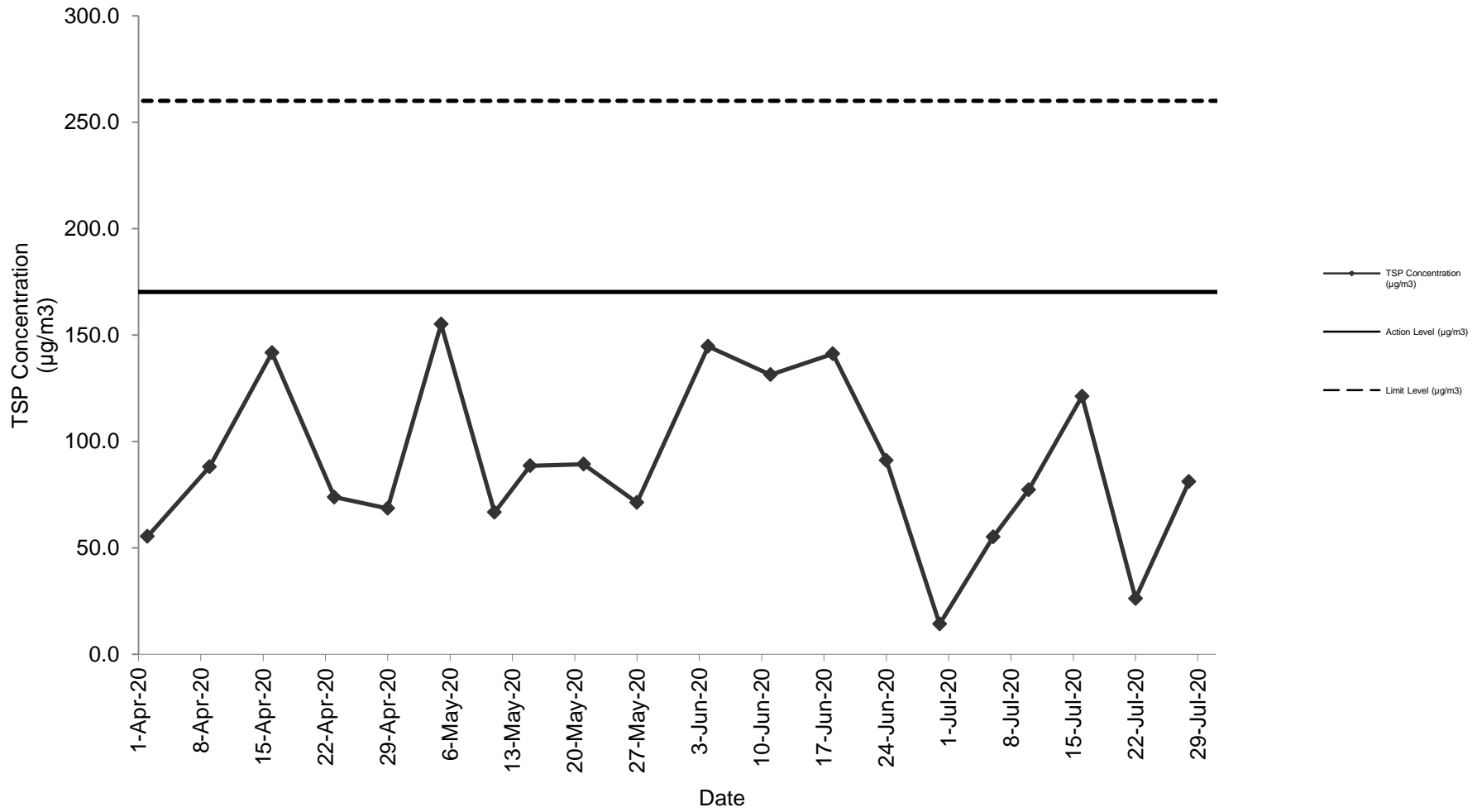
23-Mar-20

7-Aug-20

24-Hour TSP Monitoring Result at Station: SR77



24-Hour TSP Monitoring Result at Station: SR77 (April 2020 - July 2020)



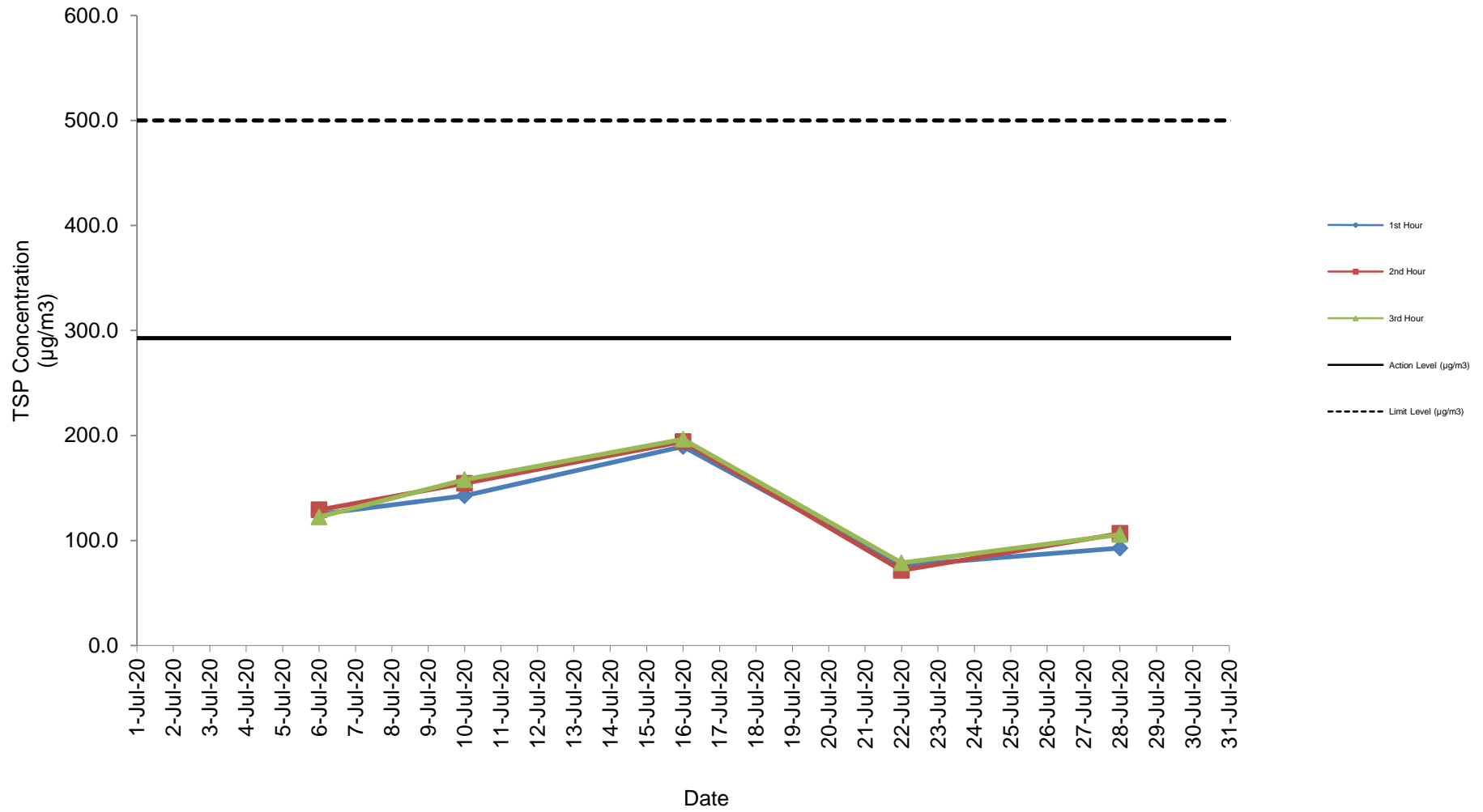
Appendix E
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1-Hour TSP Monitoring Result at Station: SR77

Date	Weather Condition	Time		Conc.(µg/m ³)			Action Level (µg/m3)	Limit Level (µg/m3)	
				1 st Hour	2 nd Hour	3 rd Hour			
6-Jul-20	Fine	10:15	-	13:15	125.1	129.2	122.4	292.7	500.0
10-Jul-20	Fine	10:45	-	13:45	142.6	154.5	157.8	292.7	500.0
16-Jul-20	Fine	10:15	-	13:15	189.4	194.1	196.4	292.7	500.0
22-Jul-20	Fine	10:45	-	13:45	76.4	71.5	78.6	292.7	500.0
28-Jul-20	Fine	10:15	-	13:15	92.7	106.7	105.6	292.7	500.0
				Average	129.5				
				Min	71.5				
				Max	196.4				

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 2020 - July 2020)

