

July 19th, 2022

South Capitol Bridgebuilders,
1220 12th Street, SE
Suite 255
Washington, DC 20003

Attention: Samuel Fisher (samuel.fisher@gcinc.com)
Mike Baker (mike.baker@aecom.com)

Subject: Biweekly PM10 Particulate Air Monitoring Report
South Capitol Street Frederick Douglass Memorial Bridge Corridor Project

Mr. Fisher,

Soil and Land Use Technology, Inc., (SaLUT) is pleased to provide perimeter air monitoring program for South Capitol Bridgebuilders and District Department of Transportation (DDOT). The intent of the program is to quickly alert the Project construction team to rising dust levels for swift resolution by the team in order to minimize dust.

Scope of Work

As per project requirements provided, SaLUT has mounted five solar powered aerosol meters (DustTrack Environmental 8540) around the perimeter of the project site mention above. See *Image 1- Location of air monitoring devices*. These devices provide field measurements of particulate matter as PM10 in ambient air. It provides real time analyses of particle matter at 10µm in diameter (PM10).

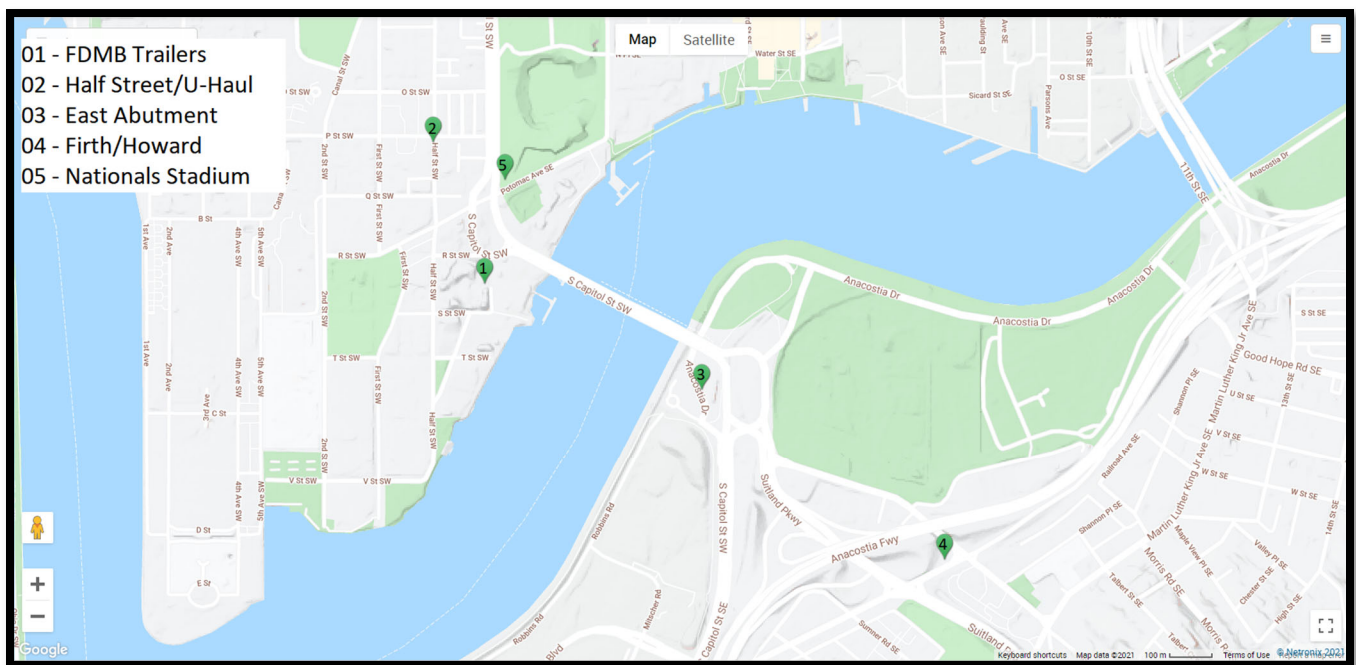


Image 1- Locations of air monitoring devices.

PM10 concentrations will be measured on a continuous basis at each station and will be reported as rolling 15 minute averages. An alert provides notification if a monitor is measuring concentrations equal to or greater than the 100 ug/m³. Responsible project personnel will be immediately notified via SMS and email notification to assess, validate, and then address the project-related air quality issue with additional dust control measures if/as needed in a timely fashion.

The instrument monitoring results are reviewed by the site air monitoring professional to ensure the rolling 15-minute average PM10 concentrations at the site are less than the AL. Please see the attached results from the period of July 3rd to July 16th.

On July 3rd, 4th and 5th, due to the fourth of July celebrations, firework shows were held from 10:00 pm to 12:30 am. Due to this reason, higher PM10 readings were recorded during these periods. Since no construction activity was performed during the above-mentioned time periods, higher readings were omitted from the conclusions provided below.

Conclusion

From July 3rd to July 16th the alerts were triggered twice during construction activity hours and each time corrective actions were taken to mitigate dust emissions from the project site within under 15 minutes. During this time period the project site was within compliance with national ambient air quality standards and DC regulations.

We appreciate the opportunity to provide air monitoring services for SCB. Should you have any questions concerning this report, please do not hesitate to contact us at (240) 645-6764.

Sincerely,



Chamal Hettigama

Civil Engineer

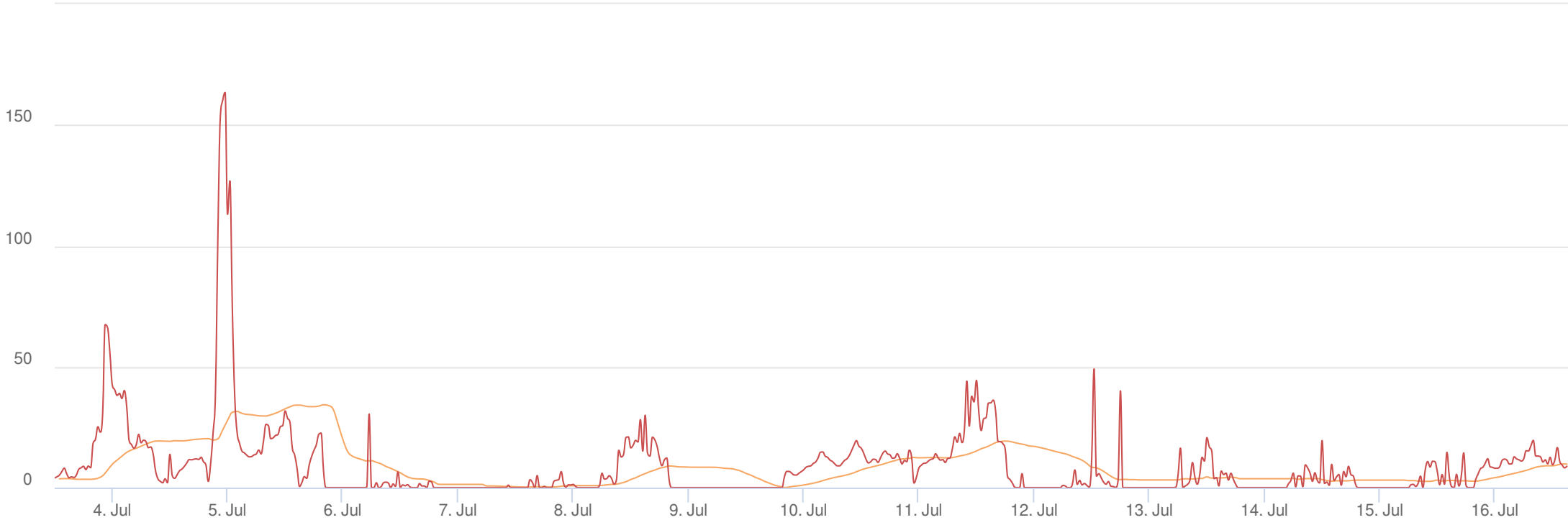
Soil and Land Use Technology Inc. (SaLUT)

Attachments:

Attachment A: *Dust Levels Recorded by Instruments*

Attachment A – Dust levels recorded by the instruments
07/03/2022-07/16/2022

07/03/2022 12:24:00 – 07/16/2022 15:24:00
 (GMT-05:00) Eastern Time (US & Canada)



Mass Conc. Total µg/m³ AVG 24hr
 µg/m³
 DustTrak-8540
 RS232(A)

MIN	AVG	MAX
0.015278	8.7703	34.241

Mass Conc. Total µg/m³ AVG 15m
 µg/m³
 DustTrak-8540
 RS232(A)

MIN	AVG	MAX
0	9	205

Name 01 - FDMB Trailers
S/N 0B115512
Description S Capitol St (FDMB Trailers)
Location 1648 S Capitol St SE, Washington, DC 20003, USA

07/03/2022 12:23:00 – 07/16/2022 15:23:00
(GMT-05:00) Eastern Time (US & Canada)



Mass Conc. Total µg/m³ AVG 24hr

µg/m³

DustTrak-8540

RS232(A)

MIN

17.34

AVG

29.062

MAX

63.448

Mass Conc. Total µg/m³ AVG 15m

µg/m³

DustTrak-8540

RS232(A)

MIN

1

AVG

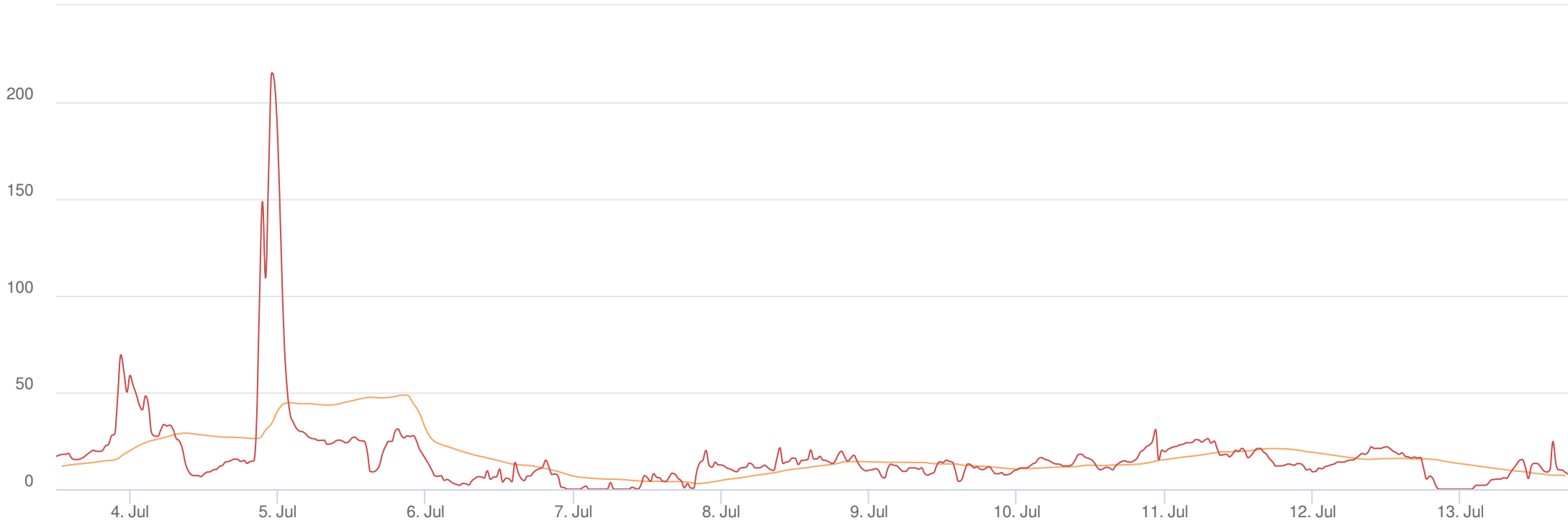
29

MAX

257

Name 02 - Half Street/U-Haul
S/N 0B392918
Description Half St & P St
Location 50 P St SW, Washington, DC 20024, USA

07/03/2022 12:22:00 – 07/16/2022 15:22:00
(GMT-05:00) Eastern Time (US & Canada)

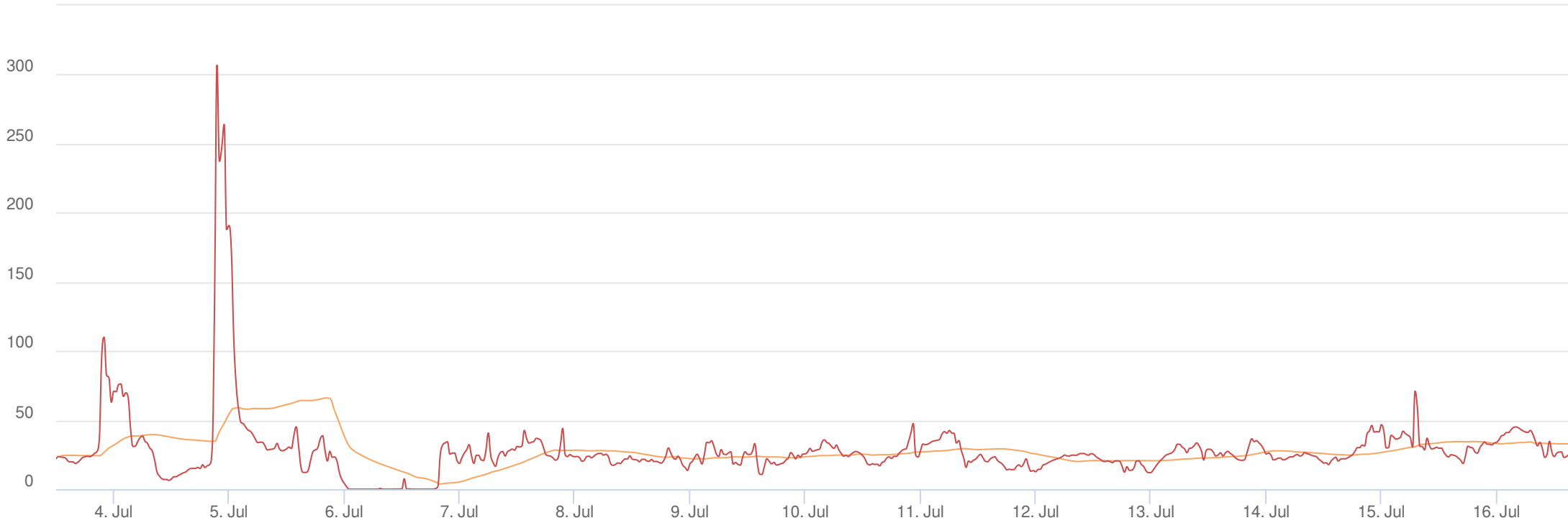


Mass Conc. Total µg/m ³ AVG 24hr		
µg/m ³		
DustTrak-8540		
RS232(A)		
MIN	AVG	MAX
2.8562	17.2495	48.574

Mass Conc. Total µg/m ³ AVG 15m		
µg/m ³		
DustTrak-8540		
RS232(A)		
MIN	AVG	MAX
0	17	228

Name 03 - East Abutment
S/N 0B392923
Description Anacostia Dr (Yard)
Location VX8W+CQ Washington, DC, USA

07/03/2022 12:20:00 – 07/16/2022 15:20:00
 (GMT-05:00) Eastern Time (US & Canada)



Mass Conc. Total $\mu\text{g}/\text{m}^3$ AVG 24hr
 $\mu\text{g}/\text{m}^3$
 DustTrak-8540
 RS232(A)

MIN	AVG	MAX
3.7208	28.044	65.965

Mass Conc. Total $\mu\text{g}/\text{m}^3$ AVG 15m
 $\mu\text{g}/\text{m}^3$
 DustTrak-8540
 RS232(A)

MIN	AVG	MAX
0	28	330

Name 04 - Firth/Howard
S/N 0B282540
Description Howard Rd & Firth
 Sterling Ave
Location Anacostia, 1101
 Howard Rd SE,
 Washington, DC 20020,
 USA

07/03/2022 12:12:00 – 07/16/2022 15:12:00
 (GMT-05:00) Eastern Time (US & Canada)



Mass Conc. Total $\mu\text{g}/\text{m}^3$ AVG 24hr			Mass Conc. Total $\mu\text{g}/\text{m}^3$ AVG 15m		
$\mu\text{g}/\text{m}^3$			$\mu\text{g}/\text{m}^3$		
DustTrak-8540			DustTrak-8540		
RS232(A)			RS232(A)		
MIN	AVG	MAX	MIN	AVG	MAX
3.1083	23.002	47.128	0	23	179

Name 05 - Nationals Stadium
S/N 0B350099
Description S Capitol St & Potomac Ave
Location 25 Potomac Ave SE, Washington, DC 20003, USA