

Air Monitoring Summary Tables

The table below summarize monitoring data collected on using EPA's Viper wireless remote monitoring system.

Project Name:

From: 8/13/19
7:00

To: 8/13/19
18:58



SE Corner of Able Contracting							
Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 1	VOC	No	750	38	0 - 310 ppb	6.6 ppb	1,000 ppb
	CO	No	750	1	0 - 4 ppm	0 ppm	83 ppm
	H ₂ S	No	750	0	0 - 0 ppm	0 ppm	0.5 ppm
	O ₂	No	750	750	20.9 - 20.9%	20.9%	<19.5 or >23%
	LEL	No	750	0	0 - 0%	0%	10%

Brooke Mill Apartments -Peacock Collision ¹							
Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
DustTrak 1	PM-2.5	Moderate	2,326	1,789	0 - 1030 µg/m ³	31.8 µg/m ³	See SOG #: T106

On Site, Immediately West of Pile							
Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 2	VOC	No	534	25	0 - 557 ppb	10.1 ppb	1,000 ppb
	CO	No	534	32	0 - 7 ppm	0.2 ppm	83 ppm
	H ₂ S	No	534	0	0 - 0 ppm	0 ppm	0.5 ppm
	O ₂	No	534	534	20.5 - 20.7%	20.6%	<19.5 or >23%
	LEL	No	534	0	0 - 0%	0%	10%

EPA Mobile Command Post ²							
Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
DustTrak 2	PM-2.5	Good	292	274	-6 - 68 µg/m ³	9 µg/m ³	See SOG #: T106

Able Contracting Workshop, Northeast of Pile							
Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 3	VOC	No	749	15	0 - 2304 ppb	6.9 ppb	1,000 ppb
	CO	No	749	11	0 - 6 ppm	0.1 ppm	83 ppm
	H ₂ S	No	749	0	0 - 0 ppm	0 ppm	0.5 ppm
	O ₂	No	749	749	20.9 - 20.9%	20.9%	<19.5 or >23%
	LEL	No	749	0	0 - 0%	0%	10%

Sun City ³							
Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
DustTrak 3	PM-2.5	Moderate	1,236	1,236	12 - 163 µg/m ³	31 µg/m ³	See SOG #: T106

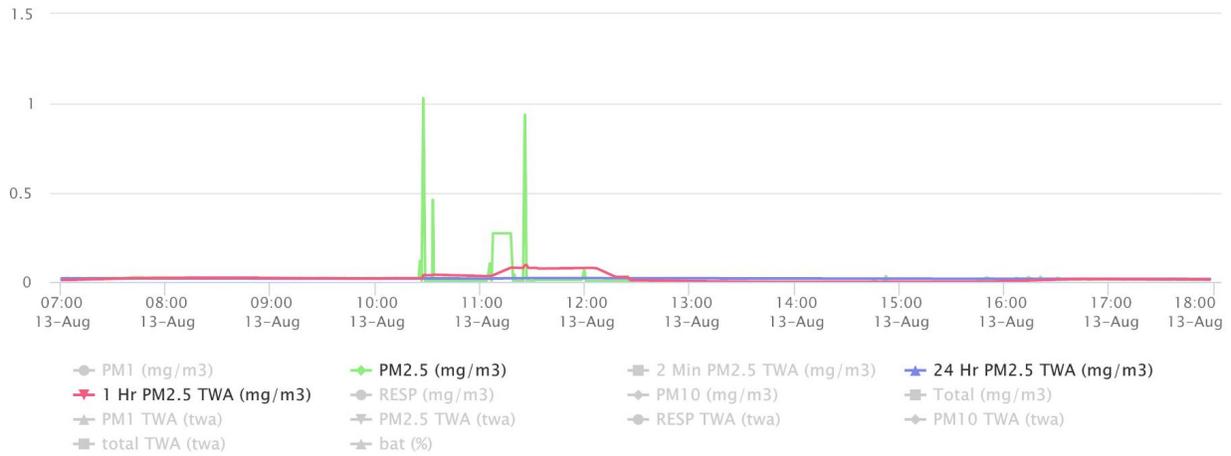
Palmetto Exterminators							
Instrument	Analyte	Period Average Exceedances	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level (PEL/TLV/60 min AEGL)
AreaRAE 4	VOC	No	751	3	0 - 58 ppb	0.1 ppb	1,000 ppb
	CO	No	751	0	0 - 0 ppm	0 ppm	83 ppm
	H ₂ S	No	751	0	0 - 0 ppm	0 ppm	0.5 ppm
	O ₂	No	751	751	20.9 - 21.8%	21.4%	<19.5 or >23%
	LEL	No	751	0	0 - 0%	0%	10%

Notes:

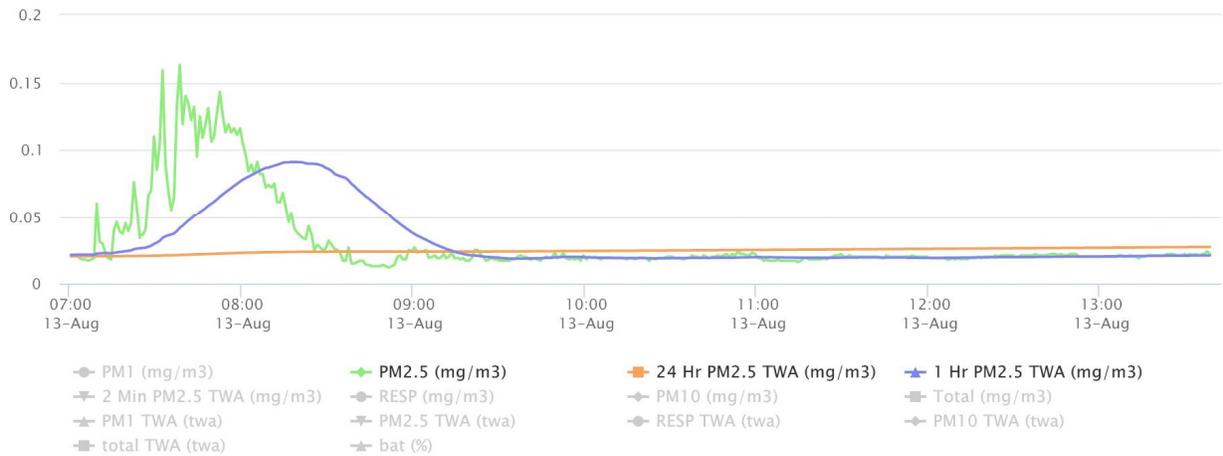
- DustTrak 1 - Brooke Mill Apartments reported momentary elevated PM2.5 readings during the morning hours. Location was inspected and there was no visible smoke or other materials in the air at the apartments. This DustTrak was relocated to Peacock Collision at 12:35.
- DustTrak 2 - EPA MCP was switched to different gateway and relocated to Grace Costal Church at 15:15.
- DustTrak 3 - Sun City was switched to a different gateway and relocated to Short Cut Road at 13:40.

- % Percent
- < Less than
- > Greater than
- AEGL Acute Exposure Guideline levels for airborne chemicals
- CO Carbon monoxide
- H₂S Hydrogen Sulfide
- LEL Lower Explosive Level
- min Minute
- O₂ Oxygen
- PEL Permissible exposure limit
- ppb Parts per billion
- ppm Parts per million
- PM Particulate matter
- SOG Standard Operating Guidelines
- TLV Threshold limit value
- µg/m³ Micrograms per cubic meter
- VOC Volatile organic compound

8/13/19 DAY Data for DustTrak 1 (PM_{2.5}) - Brooke Mill Apartments and Peacock Colision



8/13/19 DAY Data for DustTrak 3 (PM_{2.5}) - Sun City



8/13/19 DAY Data for DustTrak 2 (PM_{2.5}) - MCP

