Pelton, Jason M (DEC)

From: Doug Smolensky <dsmolensky@emagin-inc.com>
Sent: Tuesday, July 21, 2020 9:13 AM
To: Pelton, Jason M (DEC); Hesler, Donald (DEC); Sullivan, James (HEALTH); Richard Lenz; mrusso@OYSTERBAY-NY.gov
Cc: edward.hannon@ngc.com; fred.weber@ngc.com; Baumert-Moyik, Dianne C [US] (AS); Carol Henry Emery; Joel Balmat; Bill Lais; Jose Sananes; Todd McAlary; William Wertz; Darius Mali (DMali@Geosyntec.com); Susan Welt (SWelt@Geosyntec.com); Bob Cassese
Subject: Park Soil ISTR Construction Weekly Progress Summary, Week 7/6/2020 - 7/11/2020
Attachments: CAMP Stations Data Week of 2020 07 06.pdf; ISTR Phase 2 Photo log week of 2020 07 06.pdf; ISTR Phase 2 Cumulative Progress 2020 07 11.pdf

Weekly Progress Summary for ISTR Construction
Northrop Grumman Systems, Corp.
Operable Unit 3, Bethpage, NY
Reporting Period: July 6 – July 11, 2020

Work completed:

- Completed all necessary welding. Dismantled welding tent and welding equipment.
- Nearing completion of installing heater electrical boxes and ground clamps to tops of heater elements.
- Completed moving heater elements to corresponding heater well locations in preparation for upcoming installation using the crane.
- Sounded heater wells to identify potential downhole obstructions that may be encountered during upcoming crane installations.
- Graded the stone layer in the southern portion of the site and between the treatment areas to create a working area for upcoming crane operations.
- Installed a portion of plumbing connections inside and outside of the Tier 1 treatment trailer.
- Received delivery of emergency generator, treatment plant chiller, and 30-hp water pump. Generator and chiller unit were positioned at McKay field.
- Repositioning of the jersey barriers around the reconfigured fence surrounding the concrete vault on the eastern side of McKay Field Road.
- JVR mobilized and set up a Conex box, staged equipment, and prepped/organized for project electrical tasks.
- JVR installed pull wire through conduit at the wellfield electrical component area.

Cumulative progress:

See attached file – *ISTR Phase 2 Cumulative Progress 2020 07 11.pdf*

Materials imported:

- None.

CAMP station monitoring summary:

- Two portable stations deployed each day, one upwind and one downwind of the work area to monitor TVOCs and particulates. Station locations determined at beginning of each day based on prevailing wind direction.
- Particulate and TVOC data plots for upwind and downwind CAMP stations attached.
- Elevated particulate readings on 7/7 around 13:40 at the upwind station, and 13:50 at the downwind station and on 7/8 around 10:30 at the downwind station were the result of manual system checks to verify unit responses and telemetry communications. Readings subsided within minutes and work resumed.

Analytical results:

No samples collected for lab analysis.

Wastes generated/disposed:

- No new drums of IDW were generated this week.
- An existing waste profile has been assigned to the eleven drums currently on-site.
- Decontamination fluids and personal protective equipment containerized onsite in 55-gallon drums.
- General construction debris placed in a 30-yard roll off at McKay Field.
- No offsite disposal.

Community/Town engagement:

- Project fact sheet can be downloaded from the NG website.
- No contacts with public this week.

Work Plan or design modifications:

None.

Schedule:

- Work planned for week of July 13 through July 18, 2020:
  - Bay Crane onsite for installation of heating elements into heaters.
  - Continue mechanical/process equipment connections.
  - JVR to continue pulling wire in wellfield electrical component area
  - Receive and position frac tanks.
  - Install stack support pole.

PHOTOGRAPH LOG – July 6, 2020

Northrop Grumman
OU3 VOC Source Area Remedy
Bethpage Community Park

Photograph: 1

Description: Welding and sliding heaters into liners

Location:
Wellfield

Photograph taken by:
EMAGIN

Date:
July 6, 2020

Photograph: 2

Description: Workers positioning assembled heaters for upcoming crane installation

Location:
Wellfield

Photograph taken by:
EMAGIN

Date:
July 6, 2020

PHOTOGRAPH LOG – July 7, 2020

Northrop Grumman
OU3 VOC Source Area Remedy
Bethpage Community Park

Photograph: 1

Description: Offloading Chiller

Location:
McKay Field

Photograph taken by:
EMAGIN

Date:
July 7, 2020

Photograph: 2

Description: Inside view of typical heater wellhead electrical box before wiring

Location:
Wellfield

Photograph taken by:
EMAGIN

Date:
July 7, 2020

PHOTOGRAPH LOG – July 8, 2020

Northrop Grumman
OU3 VOC Source Area Remedy
Bethpage Community Park

Photograph: 1

Description: Emergency generator placed into position

Location:
McKay Field

Photograph taken by:
EMAGIN

Date:
July 8, 2020

Photograph: 2

Description: View of electrical grounding clamp on a heater wellhead

Location:
Wellfield

Photograph taken by:
EMAGIN

Date:
July 8, 2020

PHOTOGRAPH LOG – July 9, 2020

Northrop Grumman
OU3 VOC Source Area Remedy
Bethpage Community Park

Photograph: 1

Description: Grading southern portion of site for crane operations

Location:
South side of the wellfield

Photograph taken by:
EMAGIN

Date:
July 9, 2020

Photograph: 2

Description: Mobilizing the 30 hp skid-mounted water pump

Location:
McKay Road

Photograph taken by:
EMAGIN

Date:
July 9, 2020

PHOTOGRAPH LOG – July 9, 2020

Northrop Grumman
OU3 VOC Source Area Remedy
Bethpage Community Park

Photograph: 3

Description: View of pull wire installed inside of electrical cabinet

Location:
Wellfield electrical component area

Photograph taken by:
EMAGIN

Date:
July 9, 2020

PHOTOGRAPH LOG – July 10, 2020

Northrop Grumman
OU3 VOC Source Area Remedy
Bethpage Community Park

Photograph: 1

Description: Positioning major electrical components

Location:
McKay Field

Photograph taken by:
EMAGIN

Date:
July 10, 2020

Photograph: 2

Description: Piping into the Tier 1 treatment trailer

Location:
McKay Field

Photograph taken by:
EMAGIN

Date:
July 10, 2020

PHOTOGRAPH LOG – July 10, 2020

Northrop Grumman
OU3 VOC Source Area Remedy
Bethpage Community Park

Photograph: 3

Description: Assembling pipe cross-over stairs

Location: McKay Field

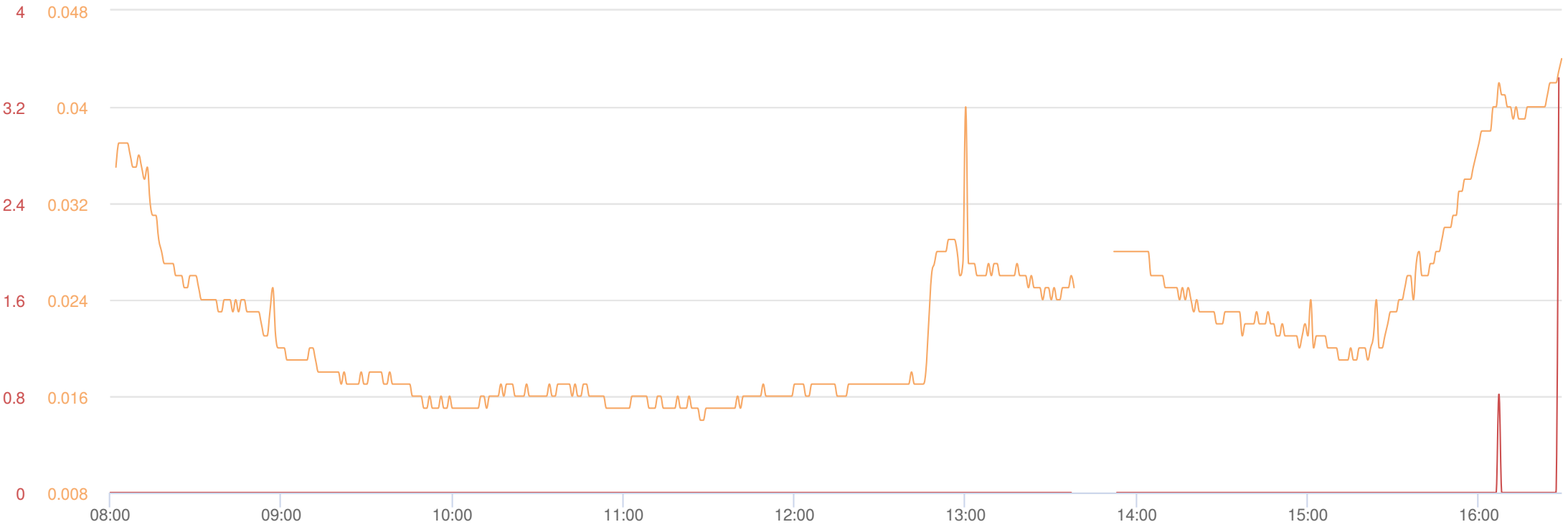
Photograph taken by:
EMAGIN

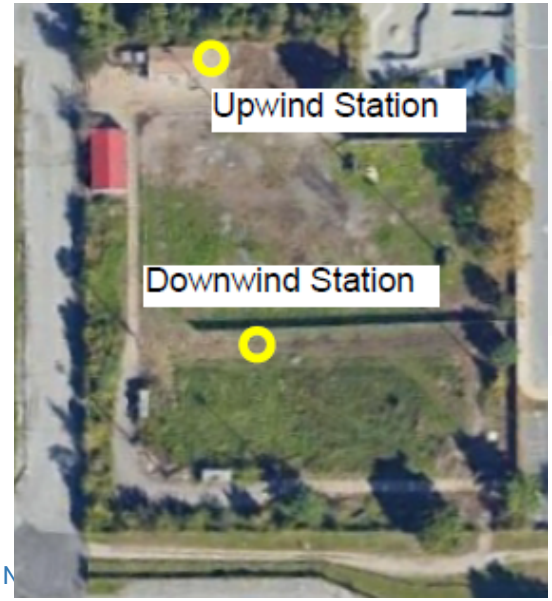
Date:
July 10, 2020

Date: *11-Jul-20*	*Design Total*		*Cumulative Total*		*Est. Percent Complete*	*Comments/Notes*
Vertical & Horizontal Pipe Installation						
Heater Welded	178	ea	178	ea	100%	
Heaters installed	178	ea	27	ea	10%	
Temperature Monitoring Point (TMP)	18	ea	18	ea	100%	
Temperature/Pressure Monitoring Point (TPMP)	6	ea	6	ea	100%	
Vapor Extraction (Trenching)	400	ft	400	ft	100%	Trench to key-in HDPE liner on south and west sides
Vapor Extraction Well (VEW)	39	ea	39	ea	100%	
Horizontal Extraction Wells (HEW)	20	ea	20	ea	100%	
Multi-Phase Extraction Well (MPE)	3	ea	3	ea	100%	
Steam Injection Well (SIW)	3	ea	0	ea	0%	SIWs are contingency features, components only to be installed as needed
Surface Cover Construction						
5/8-in stone	32178	ft^2	32178	ft^2	100%	
Geotextile	32178	ft^2	32178	ft^2	100%	
DGA Layer	32178	ft^2	32178	ft^2	100%	
HDPE Liner	32178	ft^2	32178	ft^2	90%	Liner to be keyed-in on the north and east sides
Manifold Installation						
Vapor Manifold	1315	ft	650	ft	40%	
Expansion Joints	2	ea	2	ea	100%	
Liquid Manifold	1200	ft	870	ft	70%	
Air Manifold	900	ft	870	ft	90%	
Wellhead Installation						
Vapor Extraction Wellheads (inlcuding HVEW)	59	ea	0	ea	0%	
Pressure Monitoring Point Wellheads	6	ea	0	ea	0%	
Temperature Monitoring Point Wellheads	18	ea	0	ea	0%	
Multi-phase Extraction Wellheads	3	ea	0	ea	0%	
Electrical Installation						
Liners	178	ea	0	ea	0%	
Heaters	178	ea	0	ea	0%	
Heater Wellheads	178	ea	0	ea	0%	
Power Jumper Cables	170	ea	0	ea	0%	
Ground Jumper Cables	170	ea	0	ea	0%	
Homerun Power Cables	4500	ft	0	ft	0%	
McKay Field Treatment Plant Installation						
McKay Field Grading and preparation	-	-	-	-	90%	Minor grading required prior to process equipment placement
Process equipment at McKay Field	-	-	-	-	40%	Tier 1s, chiller, generator, elecctrical gear in placee
Liquid effluent line connection to OU3	1	ea	0	ea	0%	
Vapor phase effluent stack	1	ea	0	ea	0%	
Fencing around McKay Rd. vault	1	ea	1	ea	100%	

Notes: Except for 3 additonal TPMPs, the casing for the heater wells. TPMPs, TMPs, VEW, MPE and SIW were installed in prior mobilizations.

07/06/2020 0:00:46 – 07/07/2020 0:00:00
(GMT-05:00) Eastern Time (US & Canada)





Mass Conc. Total mg/m³
DustTrak-8530
RS232(C)

MIN	AVG	MAX
0.014	0.022	0.043

VOC ppm
miniRAE 3000
RS232(A)

MIN	AVG	MAX
0	0.009	3.441

NYSDEC DER-10 CAMP action levels:

- Particulates (DustTrak reading, shown as orange line and orange y-axis scale): 0.1 mg/m3 (15-minute average)
- TVOCs (miniRAE PID reading, shown as red line and red y-axis scale): 5 ppm (15-minute average)

Short-term peaks of DustTrak and miniRAE readings are common during instrument setup at the beginning of the workday, and during manual calibration/detection checks throughout the day.

Name 41147 - Upwind
S/N 0B357066
Location Bethpage Community Park, 1001 Stewart Ave, Bethpage, NY 11714, USA

07/06/2020 0:00:54 – 07/07/2020 0:00:00
(GMT-05:00) Eastern Time (US & Canada)

Mass Conc. Total mg/m³
DustTrak-8530
RS232(C)

MIN	AVG	MAX
0.022	0.03	0.053

VOC ppm
miniRAE 3000
RS232(A)

MIN	AVG	MAX
0	0.01	4.236

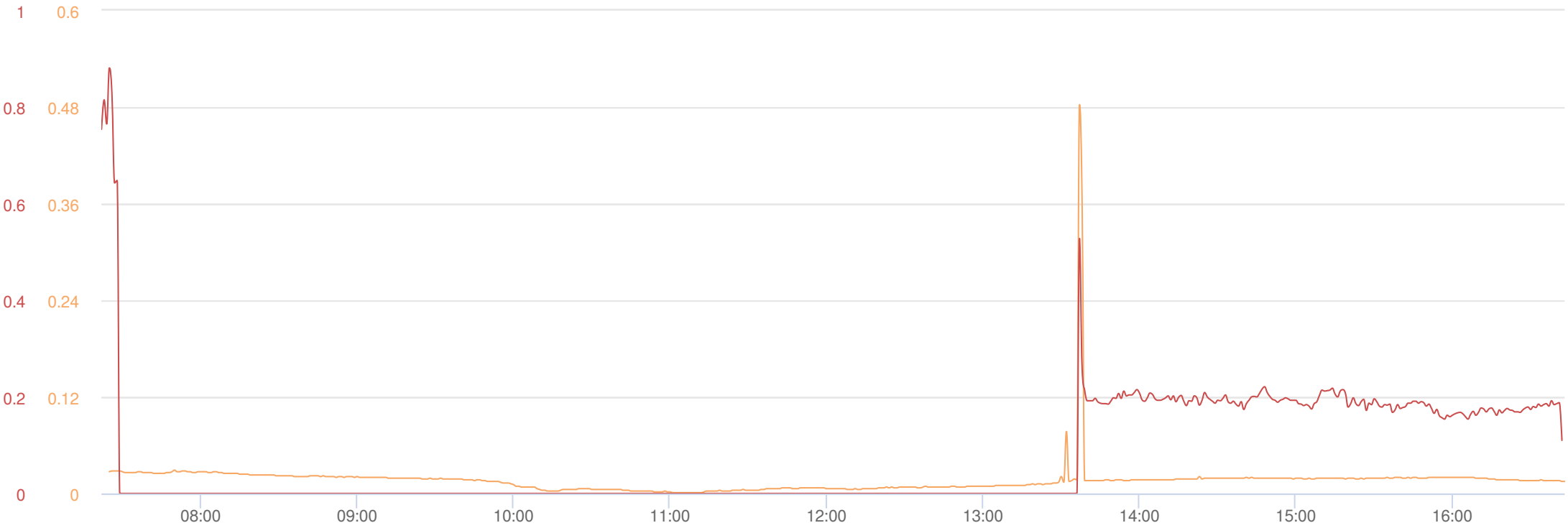
NYSDEC DER-10 CAMP action levels:

- Particulates (DustTrak reading, shown as orange line and orange y-axis scale): 0.1 mg/m3 (15-minute average)
- TVOCs (miniRAE PID reading, shown as red line and red y-axis scale): 5 ppm (15-minute average)

Short-term peaks of DustTrak and miniRAE readings are common during instrument setup at the beginning of the workday, and during manual calibration/detection checks throughout the day.

Name 39875 - Downwind
S/N 0B333738
Location Bethpage Community Park, 1001 Stewart Ave, Bethpage, NY 11714, USA

07/07/2020 0:00:56 – 07/08/2020 0:00:00
(GMT-05:00) Eastern Time (US & Canada)



Mass Conc. Total mg/m³
DustTrak-8530
RS232(C)

MIN	AVG	MAX
0.001	0.016	0.483

VOC ppm
miniRAE 3000
RS232(A)

MIN	AVG	MAX
0	0.073	0.881

NYSDEC DER-10 CAMP action levels:

- Particulates (DustTrak reading, shown as orange line and orange y-axis scale): 0.1 mg/m3 (15-minute average)
- TVOCs (miniRAE PID reading, shown as red line and red y-axis scale): 5 ppm (15-minute average)

Short-term peaks of DustTrak and miniRAE readings are common during instrument setup at the beginning of the workday, and during manual calibration/detection checks throughout the day.

Name 41147 - Upwind
S/N 0B357066
Location 268 N 7th St, Bethpage, NY 11714, USA

07/07/2020 0:00:04 – 07/08/2020 0:00:00
(GMT-05:00) Eastern Time (US & Canada)

Mass Conc. Total mg/m³
DustTrak-8530
RS232(C)

MIN	AVG	MAX
0.008	0.022	0.133

VOC ppm
miniRAE 3000
RS232(A)

MIN	AVG	MAX
0	0.063	4.061

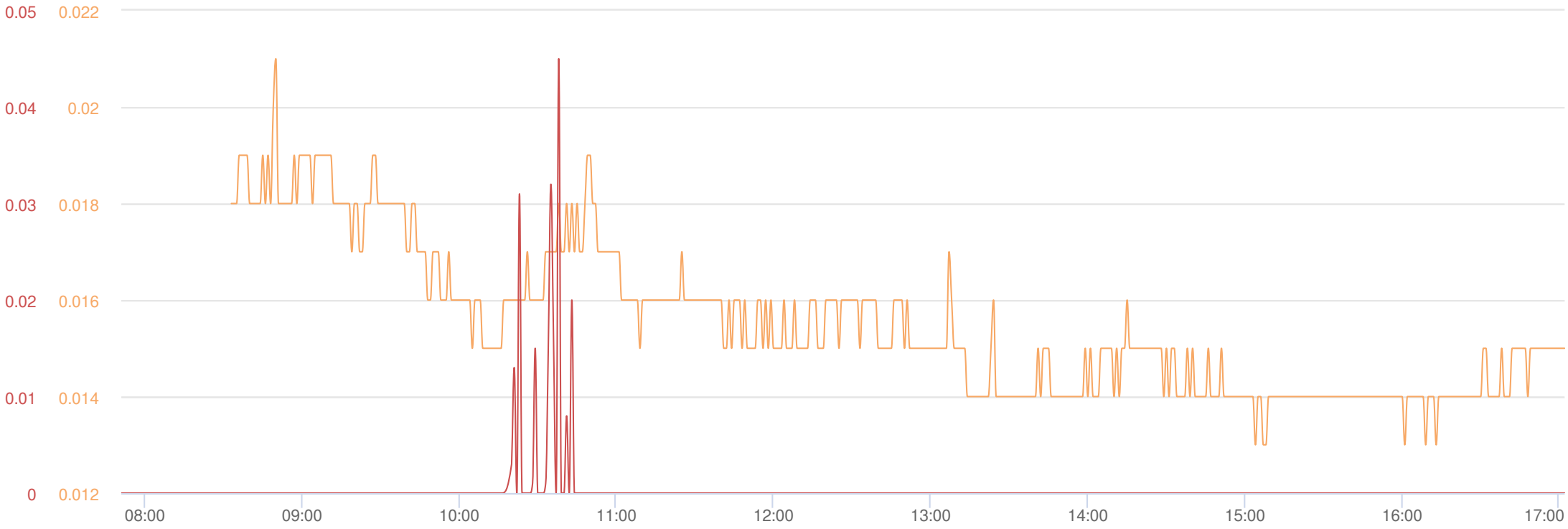
NYSDEC DER-10 CAMP action levels:

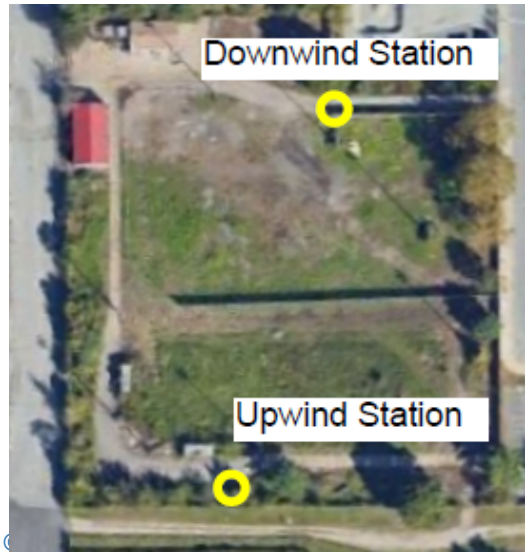
- Particulates (DustTrak reading, shown as orange line and orange y-axis scale): 0.1 mg/m3 (15-minute average)
- TVOCs (miniRAE PID reading, shown as red line and red y-axis scale): 5 ppm (15-minute average)

Short-term peaks of DustTrak and miniRAE readings are common during instrument setup at the beginning of the workday, and during manual calibration/detection checks throughout the day.

Name 39875 - Downwind
S/N 0B333738
Location Bethpage Community Park, 1001 Stewart Ave, Bethpage, NY 11714, USA

07/08/2020 0:00:00 – 07/09/2020 0:00:00
(GMT-05:00) Eastern Time (US & Canada)





Mass Conc. Total mg/m³
DustTrak-8530
RS232(C)

MIN	AVG	MAX
0.013	0.016	0.021

VOC ppm
miniRAE 3000
RS232(A)

MIN	AVG	MAX
0	0	0.045

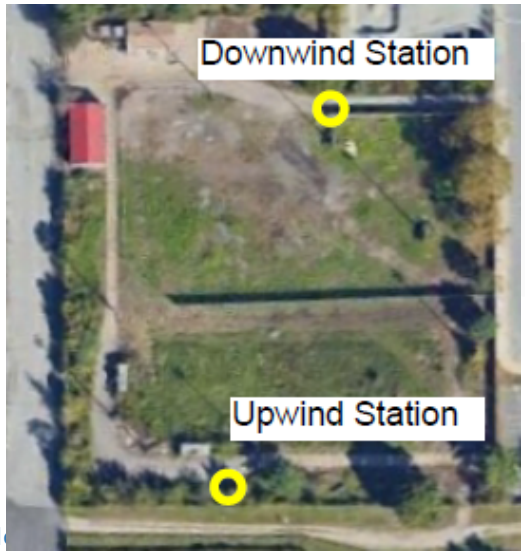
NYSDEC DER-10 CAMP action levels:

- Particulates (DustTrak reading, shown as orange line and orange y-axis scale): 0.1 mg/m3 (15-minute average)
- TVOCs (miniRAE PID reading, shown as red line and red y-axis scale): 5 ppm (15-minute average)

Short-term peaks of DustTrak and miniRAE readings are common during instrument setup at the beginning of the workday, and during manual calibration/detection checks throughout the day.

Name 41147 - Upwind
S/N 0B357066
Location Bethpage Community Park, 1001 Stewart Ave, Bethpage, NY 11714, USA

07/08/2020 0:00:03 – 07/09/2020 0:00:00
(GMT-05:00) Eastern Time (US & Canada)



Mass Conc. Total mg/m³
DustTrak-8530
RS232(C)

MIN	AVG	MAX
0.017	0.02	0.296

VOC ppm
miniRAE 3000
RS232(A)

MIN	AVG	MAX
0	0	0.03

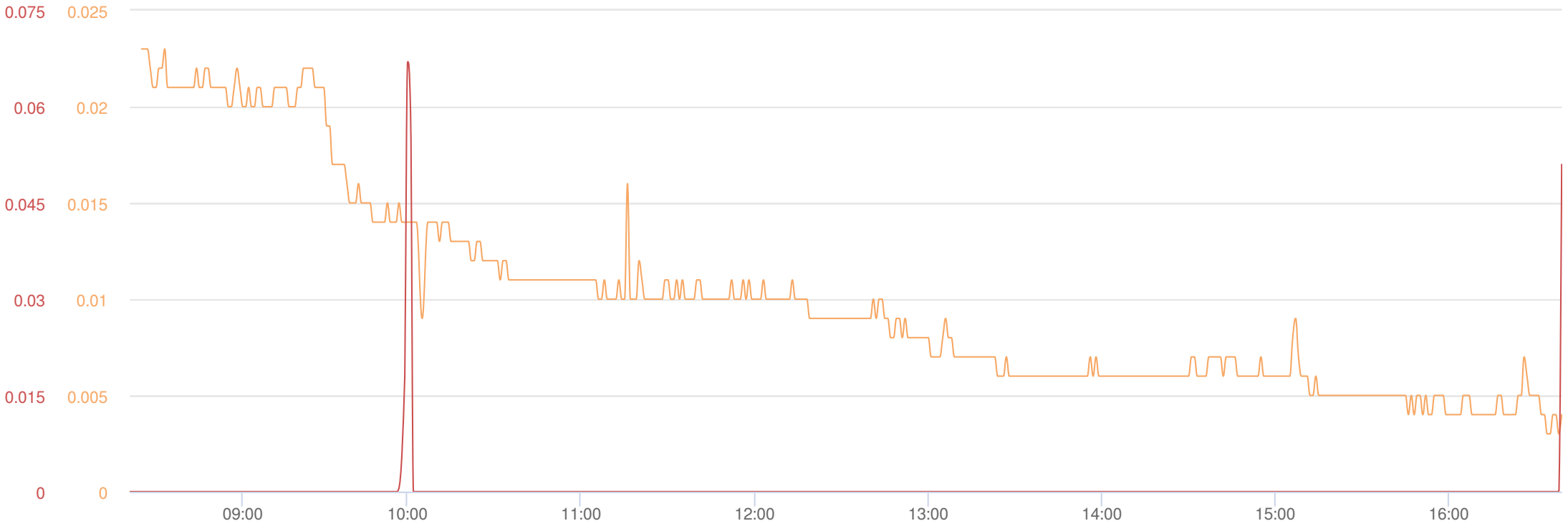
NYSDEC DER-10 CAMP action levels:

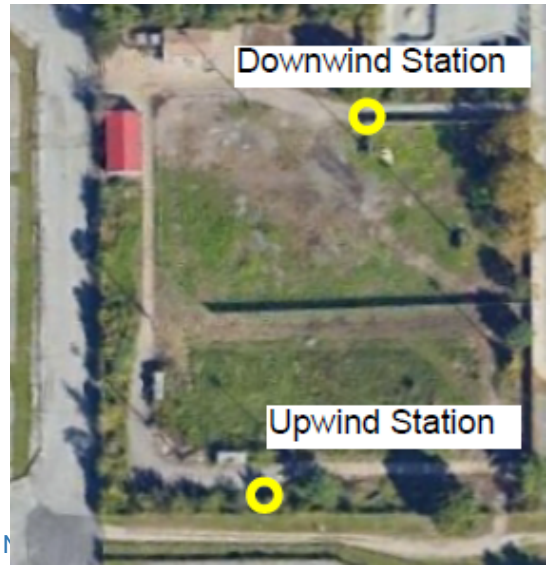
- Particulates (DustTrak reading, shown as orange line and orange y-axis scale): 0.1 mg/m3 (15-minute average)
- TVOCs (miniRAE PID reading, shown as red line and red y-axis scale): 5 ppm (15-minute average)

Short-term peaks of DustTrak and miniRAE readings are common during instrument setup at the beginning of the workday, and during manual calibration/detection checks throughout the day.

Name 39875 - Downwind
S/N 0B333738
Location Bethpage Community Park, 1001 Stewart Ave, Bethpage, NY 11714, USA

Thu, 9th of Jul 2020, 0:00:00 – 18:13:40
(GMT-05:00) Eastern Time (US & Canada)





Mass Conc. Total mg/m³
DustTrak-8530
RS232(C)

MIN	AVG	MAX
0.003	0.01	0.023

VOC ppm
miniRAE 3000
RS232(A)

MIN	AVG	MAX
0	0	0.067

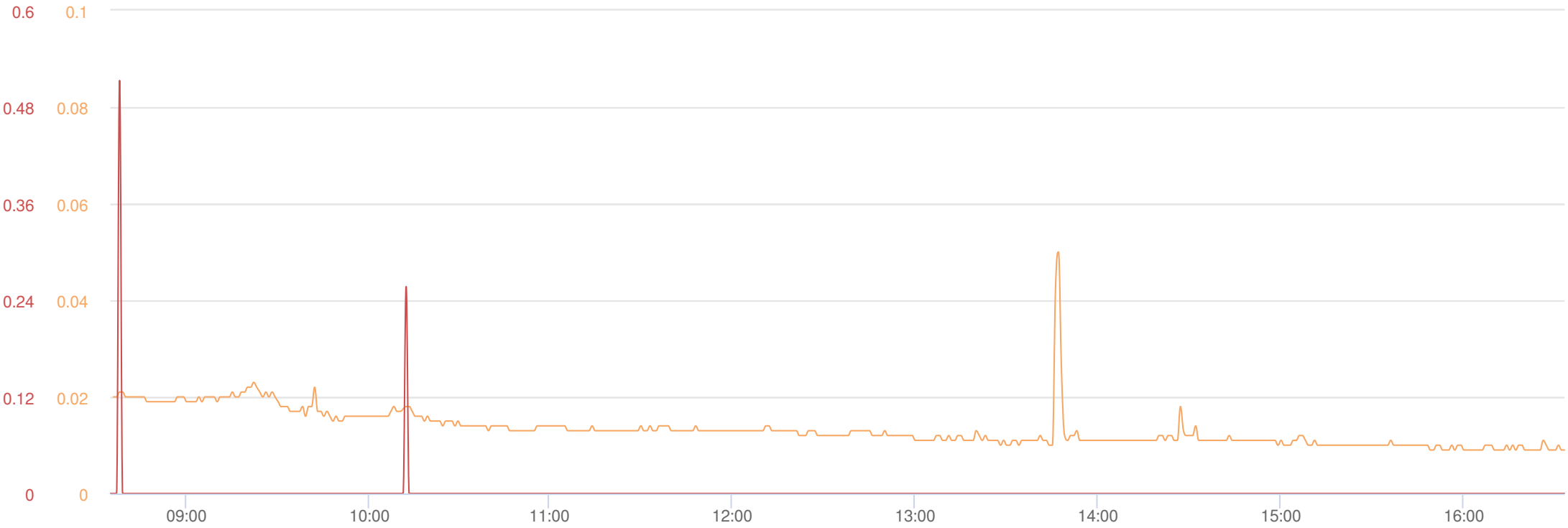
NYSDEC DER-10 CAMP action levels:

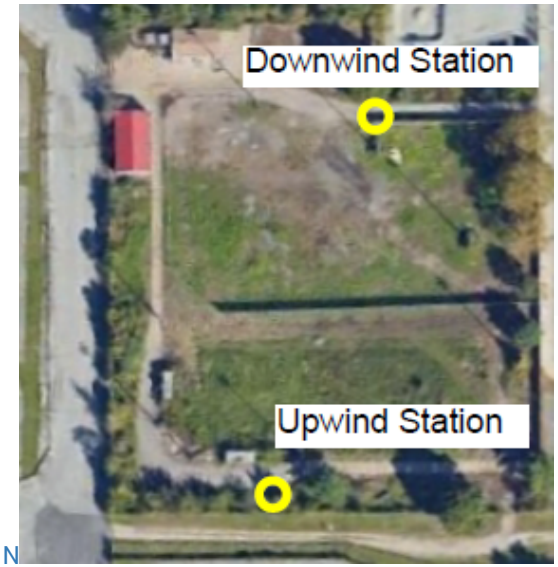
- Particulates (DustTrak reading, shown as orange line and orange y-axis scale): 0.1 mg/m3 (15-minute average)
- TVOCs (miniRAE PID reading, shown as red line and red y-axis scale): 5 ppm (15-minute average)

Short-term peaks of DustTrak and miniRAE readings are common during instrument setup at the beginning of the workday, and during manual calibration/detection checks throughout the day.

Name 41147 - Upwind
S/N 0B357066
Location 268 N 7th St, Bethpage, NY 11714, USA

Thu, 9th of Jul 2020, 0:00:00 – 18:12:46
(GMT-05:00) Eastern Time (US & Canada)





Mass Conc. Total mg/m³
DustTrak-8530
RS232(C)

MIN	AVG	MAX
0.009	0.013	0.05

VOC ppm
miniRAE 3000
RS232(A)

MIN	AVG	MAX
0	0.002	0.513

NYSDEC DER-10 CAMP action levels:

- Particulates (DustTrak reading, shown as orange line and orange y-axis scale): 0.1 mg/m3 (15-minute average)
- TVOCs (miniRAE PID reading, shown as red line and red y-axis scale): 5 ppm (15-minute average)

Short-term peaks of DustTrak and miniRAE readings are common during instrument setup at the beginning of the workday, and during manual calibration/detection checks throughout the day.

Name 39875 - Downwind
S/N 0B333738
Location Bethpage Community Park, 1001 Stewart Ave, Bethpage, NY 11714, USA

Fri, 10th of Jul 2020, 0:00:00 – 16:14:31
(GMT-05:00) Eastern Time (US & Canada)

Mass Conc. Total mg/m³
DustTrak-8530
RS232(C)

MIN	AVG	MAX
0.002	0.006	0.017

VOC ppm
miniRAE 3000
RS232(A)

MIN	AVG	MAX
0	0.003	0.69

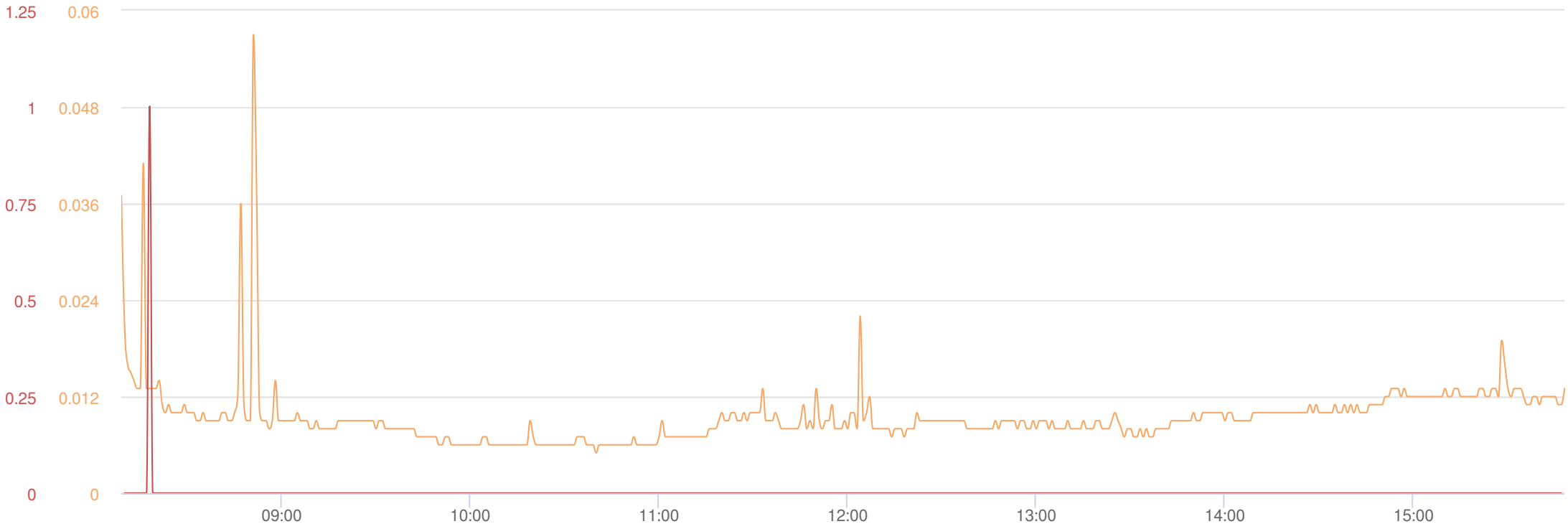
NYSDEC DER-10 CAMP action levels:

- Particulates (DustTrak reading, shown as orange line and orange y-axis scale): 0.1 mg/m3 (15-minute average)
- TVOCs (miniRAE PID reading, shown as red line and red y-axis scale): 5 ppm (15-minute average)

Short-term peaks of DustTrak and miniRAE readings are common during instrument setup at the beginning of the workday, and during manual calibration/detection checks throughout the day.

Name 41147 - Upwind
S/N 0B357066
Location 901 Stewart Ave, Bethpage, NY 11714, USA

Fri, 10th of Jul 2020, 0:00:00 – 16:13:35
(GMT-05:00) Eastern Time (US & Canada)



Mass Conc. Total mg/m³
DustTrak-8530
RS232(C)

MIN	AVG	MAX
0.005	0.009	0.057

VOC ppm
miniRAE 3000
RS232(A)

MIN	AVG	MAX
0	0.002	1.002

NYSDEC DER-10 CAMP action levels:

- Particulates (DustTrak reading, shown as orange line and orange y-axis scale): 0.1 mg/m3 (15-minute average)
- TVOCs (miniRAE PID reading, shown as red line and red y-axis scale): 5 ppm (15-minute average)

Short-term peaks of DustTrak and miniRAE readings are common during instrument setup at the beginning of the workday, and during manual calibration/detection checks throughout the day.

Name 39875 - Downwind
S/N 0B333738
Location 901 Stewart Ave, Bethpage, NY 11714, USA