

## **Pelton, Jason M (DEC)**

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**From:** Bill Lais <wlais@hsweng.com>  
**Sent:** Wednesday, July 08, 2020 6:06 PM  
**To:** Pelton, Jason M (DEC); Hesler, Donald (DEC); Sullivan, James (HEALTH); Richard Lenz; mrusso@OYSTERBAY-NY.gov  
**Cc:** edward.hannon@ngc.com; Fred Weber; Joel Balmat; Jose Sananes; Carol Henry Emery; Doug Smolensky; Dianne.Baumert-Moyik@ngc.com  
**Subject:** Park Soil ISTR Construction Weekly Progress Summary, Week of 2020 06 22  
**Attachments:** ISTR Phase 2 Photo Log Week of 2020 06 22.pdf; CAMP Stations Data Week of 2020 06 22.pdf

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### **Weekly Progress Summary for ISTR Construction Northrop Grumman Systems, Corp. Operable Unit 3, Bethpage, NY Reporting Period: June 22-27, 2020**

#### **Work completed:**

- Continued assembling wellfield process piping support stands.
- Began installing support stands and main header process piping.
- Continued welding of thermocouples and heating elements.
- Offloaded remedial process equipment at McKay Field and placed electrical cabinets in the ballfield.
- Drilled three new temperature and pressure monitoring points (TPMP-4, -5 and -6).

#### **Materials imported:**

- None.

#### **CAMP station monitoring summary:**

- Two portable stations deployed each day, one upwind and one downwind of the work area to monitor TVOC 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.
- No exceedances of CAMP action levels for particulates or TVOC vapors observed.
- CAMP stations were not setup 6/26 and 6/27; activities on these days were limited to heater element welding only.

#### **Analytical results:**

No samples collected for lab analysis.

#### **Wastes generated/disposed:**

- Five drums of IDW were generated during drilling of TPMPs.
- 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 June 29 through July 4, 2020:
  - Continue assembling and placing wellfield support stands and process piping.
  - Modify ballfield perimeter fence.
  - Begin installing heater elements in heater wells.

**Bill Lais, PE | Senior Technical Consultant**  
**HSW Engineering, Inc.**  
**15711 Mapledale Blvd | Suite B | Tampa, Florida 33624**  
**( 813) 363-1451**

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## PHOTOGRAPH LOG – June 23, 2020

Northrop Grumman  
OU3 VOC Source Area Remedy  
Bethpage Community Park



### Photograph: 1

**Description:** Bay Crane offloading  
Tier 1 treatment trailer

**Location:**  
McKay Field

Photograph taken by:  
EMAGIN

Date:  
June 23, 2020



### Photograph: 2

**Description:** Two Tier 1  
equipment trailers

**Location:**  
McKay Field

Photograph taken by: EMAGIN

Date:  
June 23, 2020

## PHOTOGRAPH LOG – June 23, 2020

Northrop Grumman  
OU3 VOC Source Area Remedy  
Bethpage Community Park



### Photograph: 3

**Description:** ADT installing  
TPMP-6

**Location:**  
Parking lot

Photograph taken by:  
EMAGIN

Date:  
June 23, 2020



### Photograph: 4

**Description:** Bay Crane offloading  
MSWB Unit

**Location:**  
Wellfield

Photograph taken by: EMAGIN

Date:  
June 23, 2020

## PHOTOGRAPH LOG – June 24, 2020

Northrop Grumman  
OU3 VOC Source Area Remedy  
Bethpage Community Park



### Photograph: 1

**Description:** Air and water piping

**Location:**  
Wellfield looking south

Photograph taken by:  
EMAGIN

Date:  
June 24, 2020



### Photograph: 2

**Description:** Air and water piping

**Location:**  
Wellfield looking west

Photograph taken by: EMAGIN

Date:  
June 24, 2020

## PHOTOGRAPH LOG – June 25, 2020

Northrop Grumman  
OU3 VOC Source Area Remedy  
Bethpage Community Park



### Photograph: 1

**Description:** Vapor piping being installed

**Location:**  
McKay Field looking east

Photograph taken by:  
EMAGIN

Date:  
June 25, 2020



### Photograph: 2

**Description:** Heaters being welded

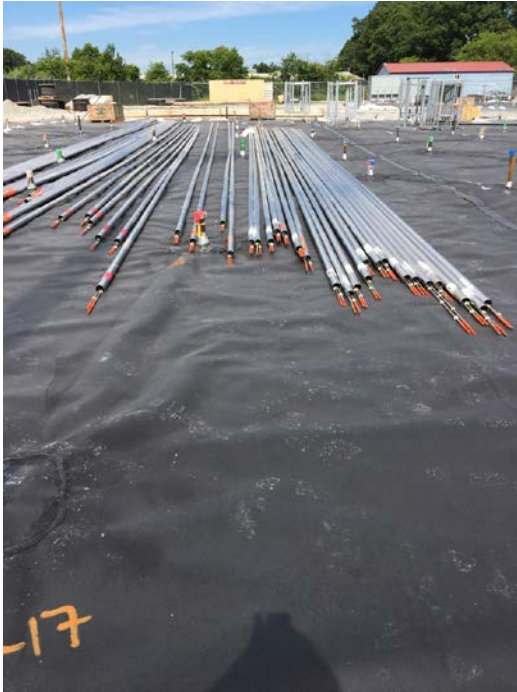
**Location:**  
Wellfield looking east

Photograph taken by:  
EMAGIN

Date:  
June 25, 2020

## PHOTOGRAPH LOG – June 25, 2020

Northrop Grumman  
OU3 VOC Source Area Remedy  
Bethpage Community Park



### Photograph: 3

**Description:** Assembled heaters

**Location:**  
Wellfield looking west

Photograph taken by:  
EMAGIN

Date:  
June 25, 2020



### Photograph: 4

**Description:** Vapor piping being installed

**Location:**  
Wellfield looking north

Photograph taken by:  
EMAGIN

Date:  
June 25, 2020

## PHOTOGRAPH LOG – June 26, 2020

Northrop Grumman  
OU3 VOC Source Area Remedy  
Bethpage Community Park



### Photograph: 1

**Description:** 10-inch FRP vapor line through fence and into manhole to connect with subsurface piping across McKay Field Access Road

**Location:**  
McKay field Access Road,  
looking east into the wellfield area

Photograph taken by: EMAGIN

Date:  
June 26, 2020



### Photograph: 2

**Description:** 10-in FRP vapor line transitioning to the surface at McKay Field

**Location:**  
McKay Field looking west

Photograph taken by: EMAGIN

Date:  
June 26, 2020



## PHOTOGRAPH LOG – June 26, 2020

Northrop Grumman  
OU3 VOC Source Area Remedy  
Bethpage Community Park



### Photograph: 3

**Description:** Process piping (10-in FRP vapor, 2-in CS air, and 1-in CS liquid)

**Location:**  
Northeast corner of the wellfield looking south

Photograph taken by:  
EMAGIN

Date:  
June 26, 2020



### Photograph: 4

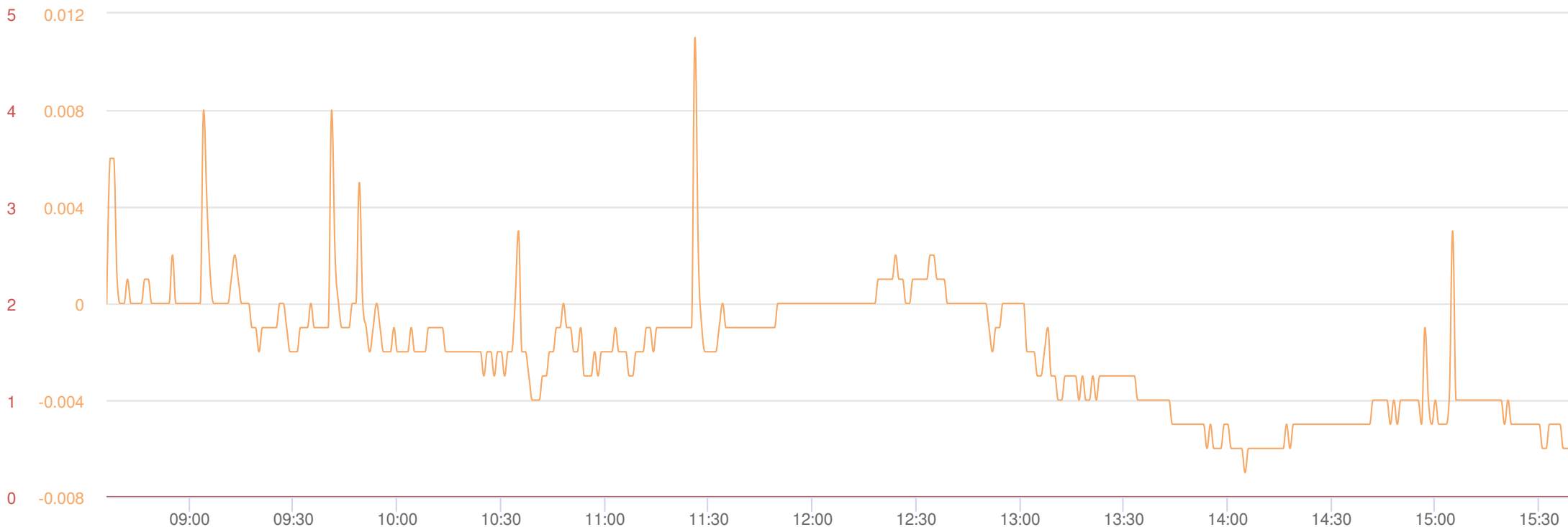
**Description:** Process piping (10-in FRP vapor, 2-in CS air, and 1-in CS liquid)

**Location:**  
Northeast corner of the wellfield looking west

Photograph taken by:  
EMAGIN

Date:  
June 26, 2020

Mon, 22nd of Jun 2020, 0:00:00 – 15:39:25  
(GMT-05:00) Eastern Time (US & Canada)



Mass Conc. Total mg/m <sup>3</sup> DustTrak-8530 RS232(C)			VOC ppm miniRAE 3000 RS232(A)		
MIN	AVG	MAX	MIN	AVG	MAX
-0.007	-0.002	0.011	0	0	0

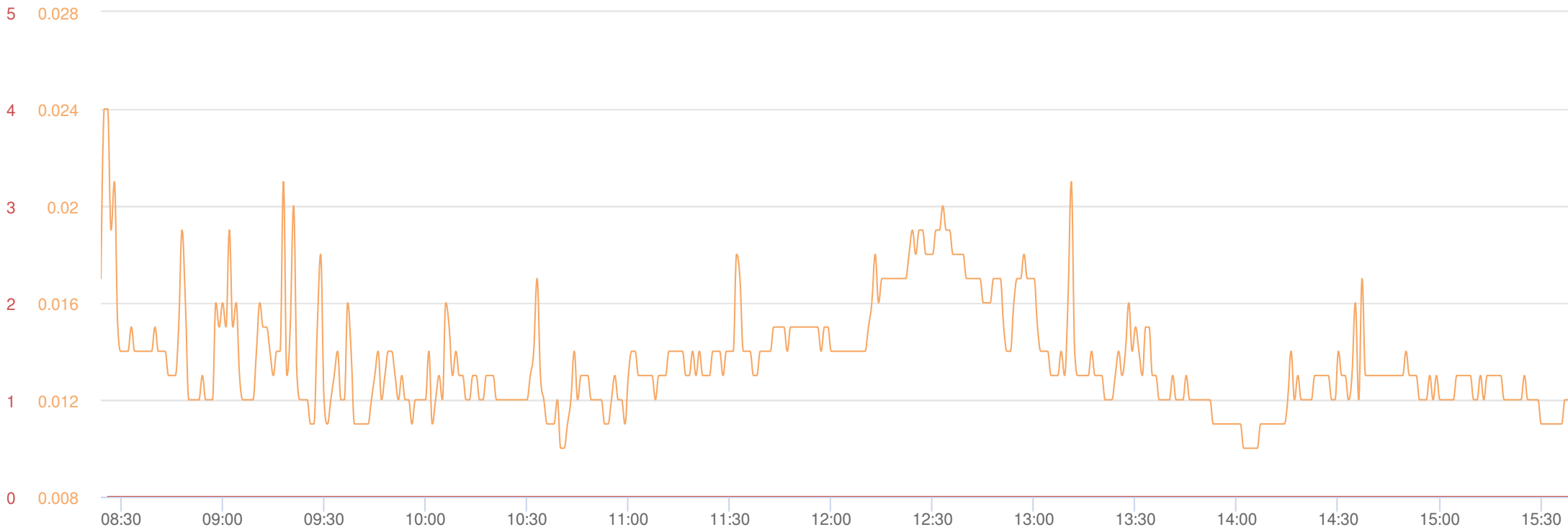
NYSDEC DER-10 CAMP action levels:

- Particulates (DustTrak reading, shown as orange line and orange y-axis scale): 0.1 mg/m<sup>3</sup> (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

Mon, 22nd of Jun 2020, 0:00:00 – 15:40:07  
(GMT-05:00) Eastern Time (US & Canada)



Mass Conc. Total mg/m <sup>3</sup> DustTrak-8530 RS232(C)			VOC ppm miniRAE 3000 RS232(A)		
MIN	AVG	MAX	MIN	AVG	MAX
0.01	0.014	0.024	0	0	0

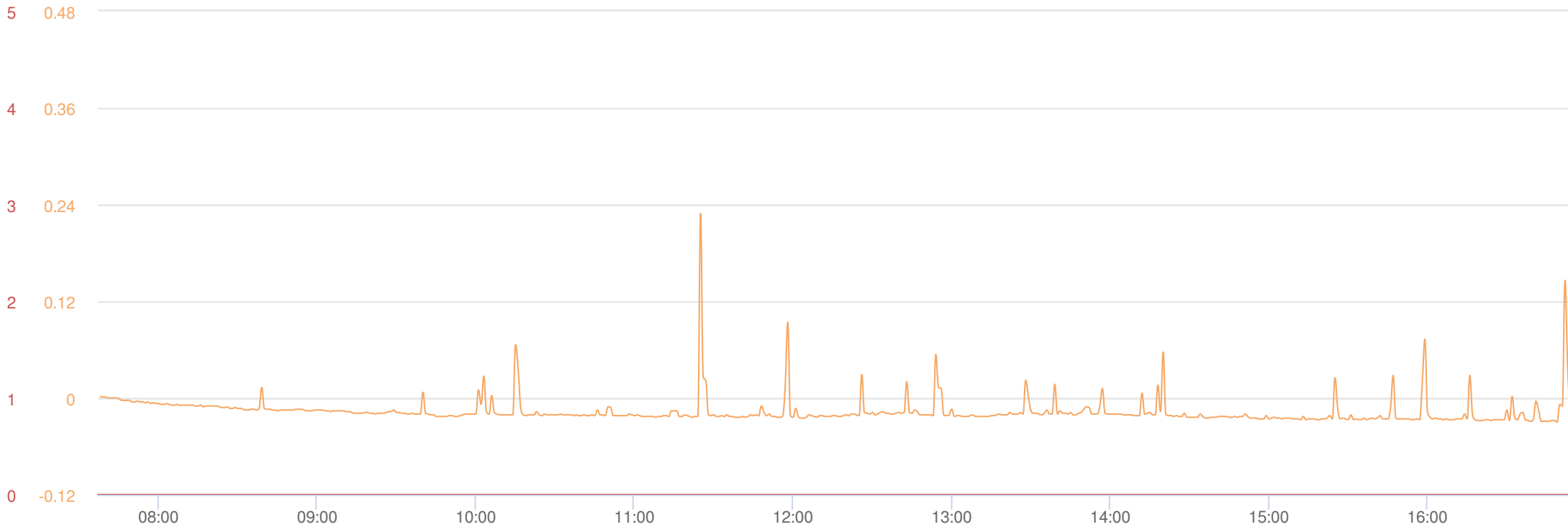
NYSDEC DER-10 CAMP action levels:

- Particulates (DustTrak reading, shown as orange line and orange y-axis scale): 0.1 mg/m<sup>3</sup> (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** 789 Stewart Ave,  
Bethpage, NY 11714,  
USA

Tue, 23rd of Jun 2020, 0:00:00 – 22:22:46  
 (GMT-05:00) Eastern Time (US & Canada)



Mass Conc. Total mg/m <sup>3</sup> DustTrak-8530 RS232(C)			VOC ppm miniRAE 3000 RS232(A)		
MIN	AVG	MAX	MIN	AVG	MAX
-0.03	-0.017	0.229	0	0	0

NYSDEC DER-10 CAMP action levels:

- Particulates (DustTrak reading, shown as orange line and orange y-axis scale): 0.1 mg/m<sup>3</sup> (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

Tue, 23rd of Jun 2020, 0:00:00 – 22:20:39  
 (GMT-05:00) Eastern Time (US & Canada)



**Mass Conc. Total** mg/m<sup>3</sup>

DustTrak-8530  
RS232(C)

MIN	AVG	MAX
-0.037	-0.013	0.011

**VOC** ppm

miniRAE 3000  
RS232(A)

MIN	AVG	MAX
0	0.005	0.268

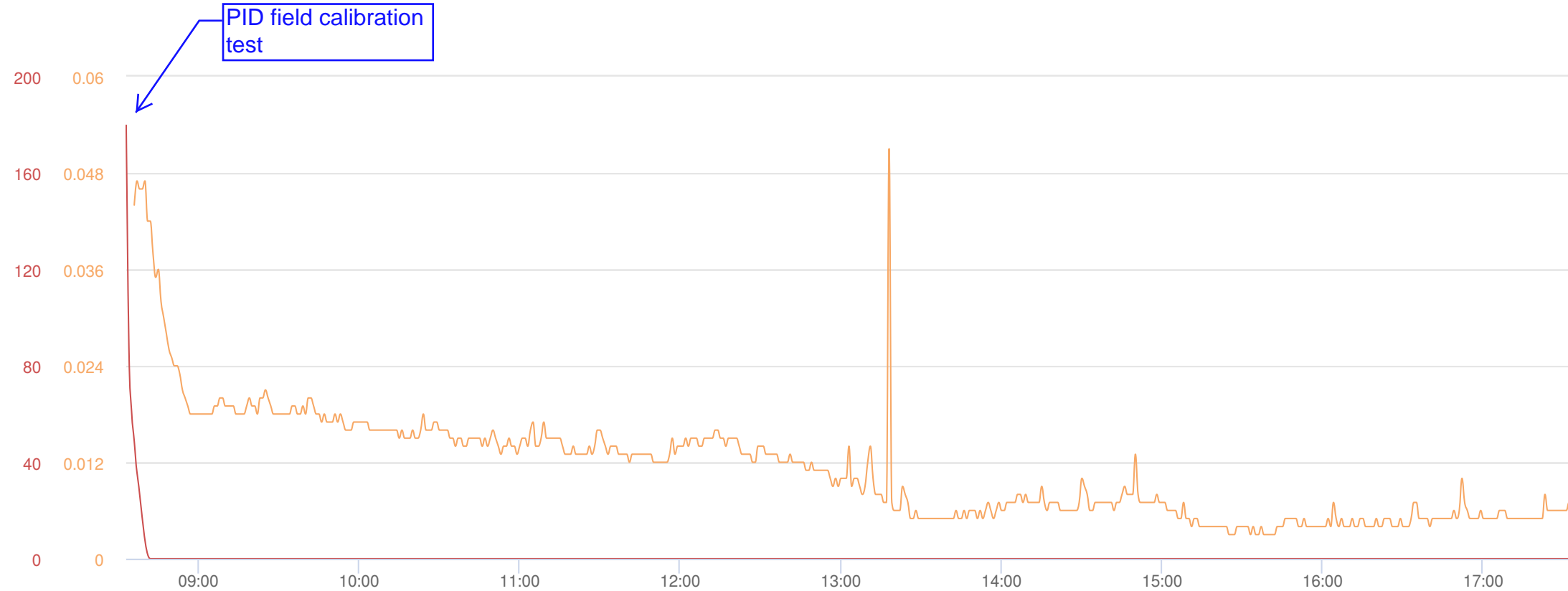
NYSDEC DER-10 CAMP action levels:

- Particulates (DustTrak reading, shown as orange line and orange y-axis scale): 0.1 mg/m<sup>3</sup> (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

Wed, 24th of Jun 2020, 6:00:00 – 18:00:00  
 (GMT-05:00) Eastern Time (US & Canada)



Mass Conc. Total mg/m <sup>3</sup> DustTrak-8530 RS232(C)			VOC ppm miniRAE 3000 RS232(A)		
MIN	AVG	MAX	MIN	AVG	MAX
0.003	0.011	0.051	0	0.771	179.76

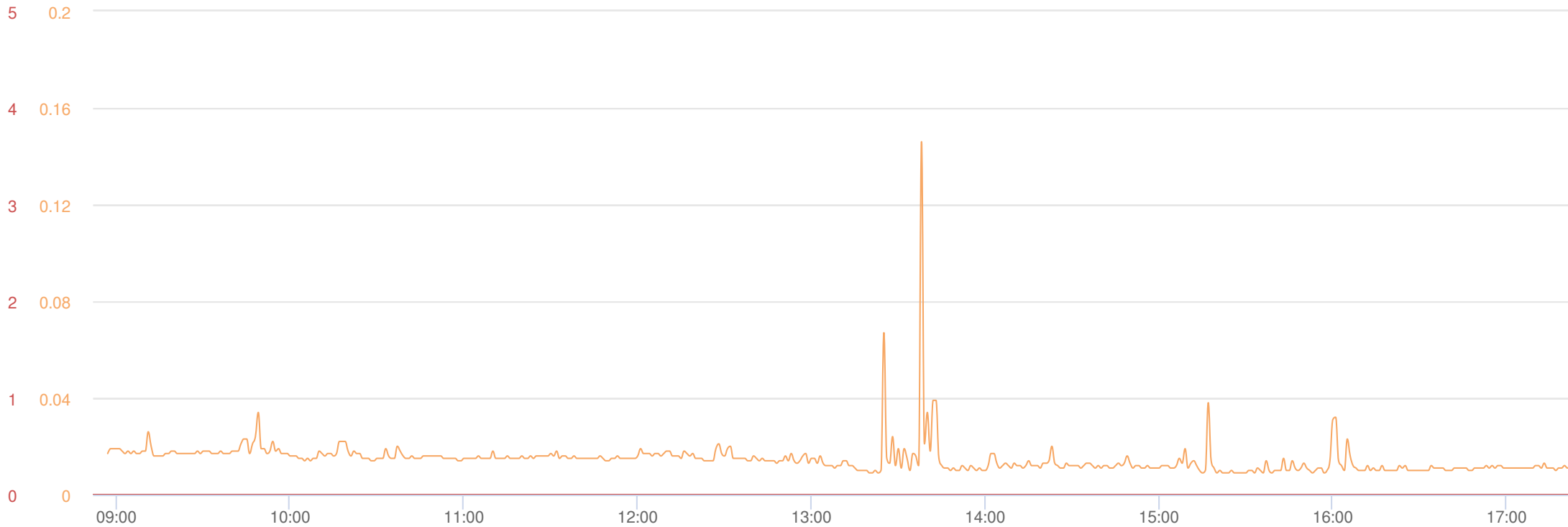
NYSDEC DER-10 CAMP action levels:

- Particulates (DustTrak reading, shown as orange line and orange y-axis scale): 0.1 mg/m<sup>3</sup> (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

Wed, 24th of Jun 2020, 6:00:00 – 18:00:00  
 (GMT-05:00) Eastern Time (US & Canada)



Mass Conc. Total mg/m <sup>3</sup> DustTrak-8530 RS232(C)			VOC ppm miniRAE 3000 RS232(A)		
MIN	AVG	MAX	MIN	AVG	MAX
0.009	0.015	0.146	0	0	0

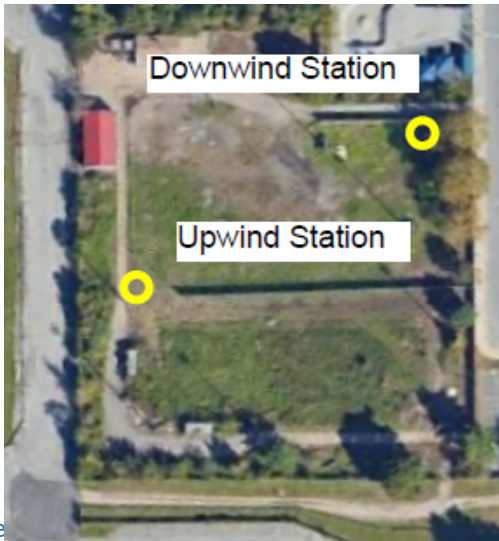
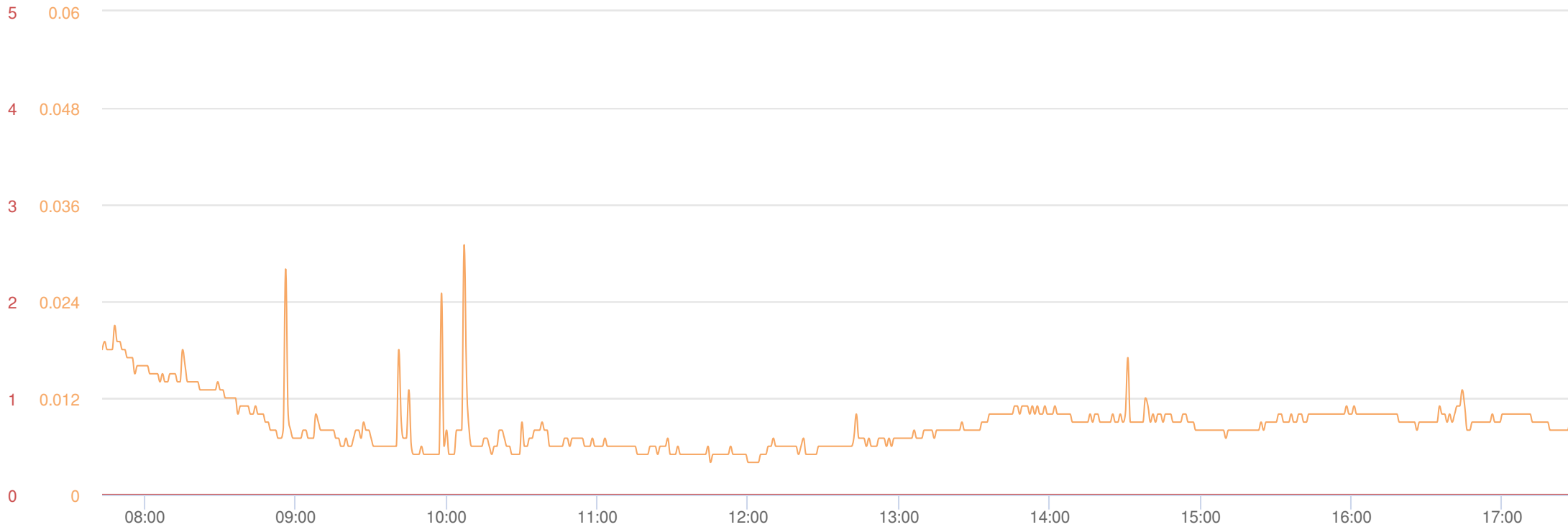
NYSDEC DER-10 CAMP action levels:

- Particulates (DustTrak reading, shown as orange line and orange y-axis scale): 0.1 mg/m<sup>3</sup> (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.

<b>Name</b>	39875 - Downwind
<b>S/N</b>	0B333738
<b>Location</b>	268 N 7th St, Bethpage, NY 11714, USA

Thu, 25th of Jun 2020, 0:00:00 – 23:59:00  
 (GMT-05:00) Eastern Time (US & Canada)



Mass Conc. Total mg/m <sup>3</sup> DustTrak-8530 RS232(C)			VOC ppm miniRAE 3000 RS232(A)		
MIN	AVG	MAX	MIN	AVG	MAX
0.004	0.009	0.031	0	0	0

NYSDEC DER-10 CAMP action levels:

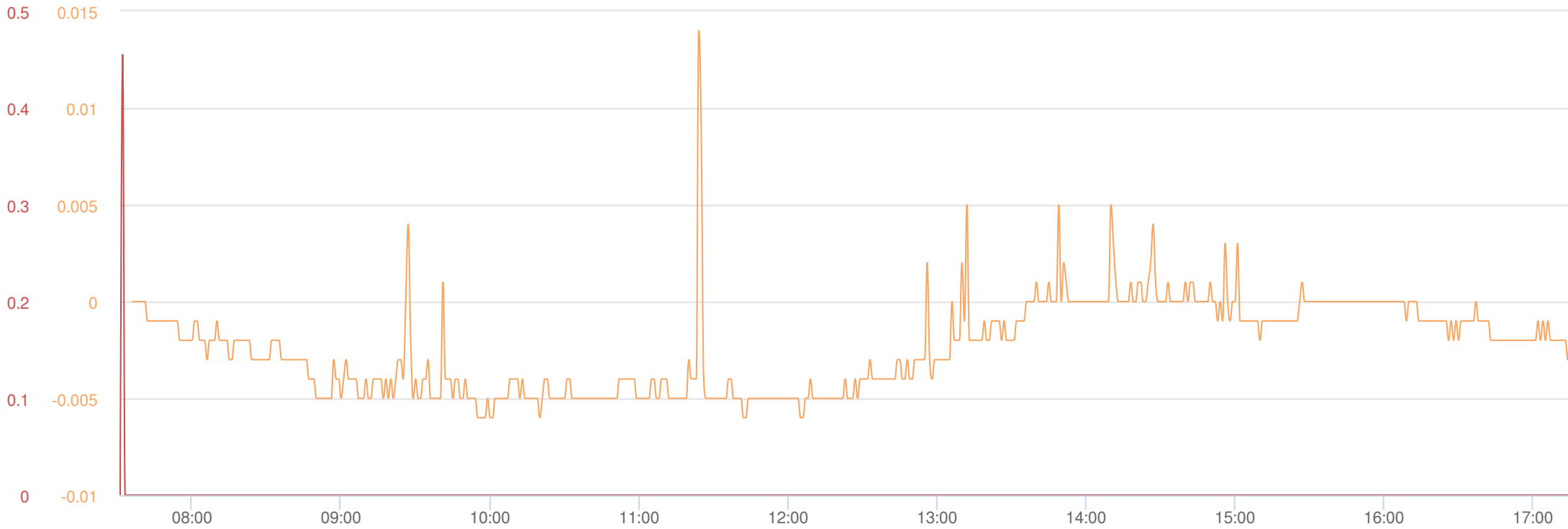
- Particulates (DustTrak reading, shown as orange line and orange y-axis scale): 0.1 mg/m<sup>3</sup> (15-minute average)
- TVOCs (miniRAE PID reading, shown as red line and red y-axis scale): 5 ppm (15-minute average)

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.

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



Thu, 25th of Jun 2020, 0:00:00 – 23:59:00  
 (GMT-05:00) Eastern Time (US & Canada)



Mass Conc. Total mg/m <sup>3</sup> DustTrak-8530 RS232(C)			VOC ppm miniRAE 3000 RS232(A)		
MIN	AVG	MAX	MIN	AVG	MAX
-0.006	-0.002	0.014	0	0.001	0.455

NYSDEC DER-10 CAMP action levels:

- Particulates (DustTrak reading, shown as orange line and orange y-axis scale): 0.1 mg/m<sup>3</sup> (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  
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**Location** Bethpage Community Park, 1001 Stewart Ave, Bethpage, NY 11714, USA