Memo

Date:	September 13, 2017
Project:	BCP Site # C360143
To:	Village of Tuckahoe
From:	Brendan Phillips, HDR
Subject:	Summary of CAMP Results During Site Work 109-125 Marbledale Road Tuckahoe, New York September 1, 2017

This memorandum was prepared by HDR to provide a review of the Community Air Monitoring Plan (CAMP) implementation during the site activities on Friday, September 1, 2017. Siteworks continued work along the southern site boundary and poured concrete to prepare for the construction of a retaining wall. Additionally, General Boring Inc. (GBI) was onsite to begin test borings within the restaurant footprint in the northern area of the site.

At the request of the NYSDEC, HES resumed the temporary soil vapor extraction system and treated the vapors with a carbon filtration system. Screening with the PID and FID was conducted at both the influent and effluent points along vapor extraction system.

Despite no physical presence by either HDR or NYSDEC on the site, an HDR representative was in contact with HES regarding on site activities on this day. It was confirmed that the CAMP monitoring stations were appropriately positioned to account for the above-described work and locations of intrusive work on site as well as wind conditions.

DATA EVALUATION AND INTERPRETATIONS

In accordance with the RAWP, a CAMP is required during site activities involving soil disturbance activities. As noted previously, Siteworks continued work along the southern site boundary to prepare for the construction of a retaining wall while GBI began test borings within the restaurant footprint.

HES conducted the CAMP monitoring around the restaurant footprint, in the northern area of the site, where drilling was being done. Hand-held meters (PID, FID and 4-Gas meter) were also used to monitor air in the areas where intrusive activities were occurring / where soil was being disturbed. Additionally, ambient air measurements were made throughout the site with the PID and FID during the monitoring event. According to HES, all recorded instrument measurements for these ambient air samples were below the CAMP action levels and were not significantly elevated above ambient air background levels.

In accordance with the RAWP, a minimum of four (4) monitoring stations (upwind, two downwind, and a location between the work area and the nearest occupied building or property boundary) were to be set up around the site work activities to collect particulate (Dust) and volatile organic compound (VOC) measurements. In addition, HES had an off-site CAMP monitoring station east of the site between the site and the Waverly Early Childhood Center. The off-site CAMP station was situated on Morgan Street, near the intersection of Hall Ave. for this monitoring event. On this day, 1 set of 4 CAMP monitoring stations was used to monitor the site activities conducted within the restaurant footprint; all stations were monitored frequently throughout the day.

Details of the CAMP monitoring procedures and the monitoring equipment used to conduct the CAMP are included in previous data summary memoranda.

Water and vapor/odor suppressant foam are available on-site in the event there is a release of dust or VOCs from site activities. According to HES, foam was not required for odors or vapors emanating from the work areas. HES directed Siteworks to conduct periodic passes along the North-South access road with the water truck in order to maintain saturated soil conditions. There was no visible dust leaving the site during this monitoring event according to HES.

For this day's activities, none of the dust or VOC concentrations approached the action levels requiring a work stoppage or corrective measures due to site activities.

Below is a summary table for the 09/01/2017 CAMP monitoring event.

Date: 9/01/17

CAMP Data	**Downwind (Sta. 3)**	**Building (Sta. 1)**	**Downwind (Sta. 4)**	**Upwind* (Sta. 6)**	**Morgan Str. (Sta. 5)**
VOCs (ppm)					
Min. 15-min. Ave.	0.00	0.00	0.00	0.00	0.00
Max. 15-min. Ave.	0.00	0.00	0.04	0.00	0.01
Overall Ave.	0.00	0.00	0.01	0.00	0.00
Dust (mg/m^3)					
Min. 15-min. Ave.	-0.0004	0.0000	-0.0015	0.0007	0.0010
Max. 15-min. Ave.	0.0536	0.0240	0.0213	0.0171	0.0295
Overall Ave.	0.0098	0.0068	0.0035	0.0046	0.0054

*Note: CAMP Station #6 was swapped out recently for maintenance and replaced with a new Station #6. Therefore, Station #6 graphs from the Environet site are no longer available prior to 9/11/2017 (the date in which the unit was swapped out). However, the data has been downloaded, preserved, and provided to HDR for review.

Environet CAMP Data Summary Graphs

9/1/2017 Station #1 (Downwind)

9/1/2017 Station #3 (Upwind)

9/1/2017 Station #4 (Downwind)

9/1/2017 Station #5 (Morgan Street)

**As noted previously, the graph for Station #6 is not available for this monitoring event.

Memo

Date:	September 14, 2017
Project:	BCP Site # C360143
To:	Village of Tuckahoe
From:	Brendan Phillips, HDR
Subject:	Summary of CAMP Results During Site Work 109-125 Marbledale Road Tuckahoe, New York September 12, 2017

This memorandum was prepared by HDR to provide a review of the Community Air Monitoring Plan (CAMP) implementation during the site activities on Tuesday, September 12, 2017. Siteworks resumes work along the southern site boundary – backfilling soils around the southern retaining wall while simultaneously sifting site soils through the mechanical sieve.

No soil vapor venting was done on this day.

Despite no physical presence by either HDR or NYSDEC on the site, an HDR representative was in contact with HES regarding on site activities on this day. It was confirmed that the CAMP monitoring stations were appropriately positioned to account for the above-described work and locations of intrusive work on site as well as wind conditions.

DATA EVALUATION AND INTERPRETATIONS

In accordance with the RAWP, a CAMP is required during site activities involving soil disturbance activities. As noted previously, Siteworks backfilled along the southern retaining wall with site soils while continuing to sift existing site-soil stockpiles for reuse.

HES conducted the CAMP monitoring around the southern area of the site, where work was being done. Hand-held meters (PID, FID and 4-Gas meter) were also used to monitor air in the areas where intrusive activities were occurring / where soil was being disturbed. Additionally, ambient air measurements were made throughout the site with the PID and FID during the monitoring event. According to HES, all recorded instrument measurements for these ambient air samples were below the CAMP action levels and were not significantly elevated above ambient air background levels.

In accordance with the RAWP, a minimum of four (4) monitoring stations (upwind, two downwind, and a location between the work area and the nearest occupied building or property boundary) were to be set up around the site work activities to collect particulate

(Dust) and volatile organic compound (VOC) measurements. In addition, HES had an off-site CAMP monitoring station east of the site between the site and the Waverly Early Childhood Center. The off-site CAMP station was situated on Morgan Street, near the intersection of Hall Ave. for this monitoring event. On this day, 1 set of 4 CAMP monitoring stations was used to monitor the site activities conducted around the southern portion of the site; all stations were monitored frequently throughout the day.

Details of the CAMP monitoring procedures and the monitoring equipment used to conduct the CAMP are included in previous data summary memoranda.

Water and vapor/odor suppressant foam are available on-site in the event there is a release of dust or VOCs from site activities. According to HES, foam was not required for odors or vapors emanating from the work areas. HES instructed Siteworks to conduct periodic passes with the water truck along the North-South access road in order to maintain saturated soil conditions. There was no visible dust leaving the site during this monitoring event according to HES.

For this day's activities, none of the dust or VOC concentrations approached the action levels requiring a work stoppage or corrective measures due to site activities.

Below is a summary table for the 09/12/2017 CAMP monitoring event.

Date: 9/12/17

CAMP Data	**Upwind (Sta. 3)**	**Downwind (Sta. 1)**	**Downwind (Sta. 4)**	**Buildings (Sta. 2)**	**Morgan Str. (Sta. 5)**
VOCs (ppm)					
Min. 15-min. Ave.	0.00	0.00	0.00	0.00	0.00
Max. 15-min. Ave.	0.00	0.15	0.06	0.00	0.01
Overall Ave.	0.00	0.01	0.01	0.00	0.00
Dust (mg/m^3)					
Min. 15-min. Ave.	0.0010	0.0112	-0.0038	0.0072	0.0082
Max. 15-min. Ave.	0.0207	0.1949	0.0150	0.0840	0.0150
Overall Ave.	0.0068	0.0268	0.0061	0.0189	0.0109

At approximately 1:40, there was a spike of particulates recorded by CAMP Station #1 which caused the 15-minute average reading to exceed the 0.1 mg/m^3 alert threshold. This spike was the result of the machinery used to tamp down backfilled soils being operated immediately next to the dust monitor. The burst of particulates was kicked up into the direction of the CAMP station. Aside from the a few individual spikes, typical readings from this work were well below the alert threshold (Table 1).

CAMP Station #1 (Downwind)		
Date and Time	1-Minute Readings (mg/m^3)	15-Minute Averages (mg/m^3)
9/12/2017 13:35	0.014	0.0143
9/12/2017 13:36	0.015	0.0144
9/12/2017 13:37	0.015	0.0145
9/12/2017 13:38	0.015	0.0145
9/12/2017 13:39	**0.294**	0.0332
9/12/2017 13:40	**0.31**	0.0529
9/12/2017 13:41	**0.921**	**0.1134**
9/12/2017 13:42	**0.264**	**0.1301**
9/12/2017 13:43	**0.978**	**0.1941**
9/12/2017 13:44	0.017	**0.1943**
9/12/2017 13:45	0.016	**0.1944**
9/12/2017 13:46	0.014	**0.1944**
9/12/2017 13:47	0.014	**0.1944**
9/12/2017 13:48	0.02	**0.1948**
9/12/2017 13:49	0.017	**0.1949**
9/12/2017 13:50	0.014	**0.1949**
9/12/2017 13:51	0.015	**0.1949**
9/12/2017 13:52	0.014	**0.1949**
9/12/2017 13:53	0.014	**0.1948**
9/12/2017 13:54	0.014	**0.1761**
9/12/2017 13:55	0.014	**0.1564**
9/12/2017 13:56	0.014	0.0959
9/12/2017 13:57	0.016	0.0794
9/12/2017 13:58	0.014	0.0151
9/12/2017 13:59	0.014	0.0149
9/12/2017 14:00	0.014	0.0148
9/12/2017 14:01	0.015	0.0149
9/12/2017 14:02	0.014	0.0149
9/12/2017 14:03	0.014	0.0145
9/12/2017 14:04	0.015	0.0143
9/12/2017 14:05	0.014	0.0143
9/12/2017 14:06	0.014	0.0143

Environet CAMP Data Summary Graphs

9/12/2017 Station #1 (Downwind)

9/12/2017 Station #2 (Near Buildings)

9/12/2017 Station #3 (Upwind)

9/12/2017 Station #4 (Downwind)

9/12/2017 Station #5 (Morgan Street)

Memo

Date:	September 14, 2017
Project:	BCP Site # C360143
To:	Village of Tuckahoe
From:	Brendan Phillips, HDR
Subject:	Summary of CAMP Results During Site Work 109-125 Marbledale Road Tuckahoe, New York September 13, 2017

This memorandum was prepared by HDR to provide a review of the Community Air Monitoring Plan (CAMP) implementation during the site activities on Wednesday, September 13, 2017. Siteworks relocated the Frac tank to the northern area of the site and began trenching in the southern area where the Frac tank had resided. Simultaneously, Siteworks continued to sift site soils through the mechanical sieve.

No soil vapor venting was done on this day.

Despite no physical presence by either HDR or NYSDEC on the site, an HDR representative was in contact with HES regarding on site activities on this day. It was confirmed that the CAMP monitoring stations were appropriately positioned to account for the above-described work and locations of intrusive work on site as well as wind conditions.

DATA EVALUATION AND INTERPRETATIONS

In accordance with the RAWP, a CAMP is required during site activities involving soil disturbance activities. As noted previously, Siteworks trenched within the southern portion of the site in order to install stormwater retention basin (SWRB) piping while continuing to sift existing site-soil stockpiles for reuse.

HES conducted the CAMP monitoring around the southern area of the site, where work was being done. Hand-held meters (PID, FID and 4-Gas meter) were also used to monitor air in the areas where intrusive activities were occurring / where soil was being disturbed. Additionally, ambient air measurements were made throughout the site with the PID and FID during the monitoring event. According to HES, all recorded instrument measurements for these ambient air samples were below the CAMP action levels and were not significantly elevated above ambient air background levels.

In accordance with the RAWP, a minimum of four (4) monitoring stations (upwind, two downwind, and a location between the work area and the nearest occupied building or

property boundary) were to be set up around the site work activities to collect particulate (Dust) and volatile organic compound (VOC) measurements. In addition, HES had an off-site CAMP monitoring station east of the site between the site and the Waverly Early Childhood Center. The off-site CAMP station was situated on Morgan Street, near the intersection of Hall Ave. for this monitoring event. On this day, 1 set of 4 CAMP monitoring stations was used to monitor the site activities conducted around the southern portion of the site; all stations were monitored frequently throughout the day.

Details of the CAMP monitoring procedures and the monitoring equipment used to conduct the CAMP are included in previous data summary memoranda.

Water and vapor/odor suppressant foam are available on-site in the event there is a release of dust or VOCs from site activities. According to HES, foam was not required for odors or vapors emanating from the work areas. HES instructed Siteworks to conduct periodic passes with the water truck along the North-South access road in order to maintain saturated soil conditions. There was no visible dust leaving the site during this monitoring event according to HES.

For this day's activities, none of the dust or VOC concentrations approached the action levels requiring a work stoppage or corrective measures due to site activities.

Below is a summary table for the 09/13/2017 CAMP monitoring event.

Date: 9/13/17

CAMP Data	**Upwind (Sta. 3)**	**Downwind (Sta. 1)**	**Downwind (Sta. 4)**	**Buildings (Sta. 2)**	**Morgan Str. (Sta. 5)**
VOCs (ppm)					
Min. 15-min. Ave.	0.00	0.00	0.00	0.00	0.00
Max. 15-min. Ave.	0.00	0.00	0.07	0.04	0.03
Overall Ave.	0.00	0.00	0.02	0.01	0.00
Dust (mg/m^3)					
Min. 15-min. Ave.	0.0005	0.0000	-0.0050	0.0000	0.0000
Max. 15-min. Ave.	0.1314	0.1416	0.1070	0.0521	0.0285
Overall Ave.	0.0144	0.0259	0.0300	0.0172	0.0148

At approximately 10:00, an alert was triggered by the DustTrak in CAMP Station #3; the water truck was making its first pass along the North-South access road and kicked up a wave of dust ahead of the water sprinkler. No dust was observed leaving the site.

Similarly, a second alert was triggered from CAMP Station #1 at 14:20 as the water truck was making its final pass of the day. Again, no dust was observed leaving the site.

Environet CAMP Data Summary Graphs

9/13/2017 Station #1 (Downwind)

9/13/2017 Station #2 (Near Buildings)

9/13/2017 Station #3 (Upwind)

9/13/2017 Station #4 (Downwind)

9/13/2017 Station #5 (Morgan Street)

Memo

Date:	September 14, 2017
Project:	BCP Site # C360143
To:	Village of Tuckahoe
From:	Brendan Phillips, HDR
Subject:	Summary of CAMP Results During Site Work 109-125 Marbledale Road Tuckahoe, New York September 14, 2017

This memorandum was prepared by HDR to provide a review of the Community Air Monitoring Plan (CAMP) implementation during the site activities on Thursday, September 14, 2017. Siteworks began backfilling the trench from the previous day within the southern area where the Frac tank had resided.

No soil vapor venting was done on this day.

Despite no physical presence by either HDR or NYSDEC on the site, an HDR representative was in contact with HES regarding on site activities on this day. It was confirmed that the CAMP monitoring stations were appropriately positioned to account for the above-described work and locations of intrusive work on site as well as wind conditions.

DATA EVALUATION AND INTERPRETATIONS

In accordance with the RAWP, a CAMP is required during site activities involving soil disturbance activities. As noted previously, Siteworks worked to backfill the existing stormwater retention basin (SWRB) trench with site soils.

HES conducted the CAMP monitoring around the southern and central areas of the site, where work was being done / soil was being hauled. Hand-held meters (PID, FID and 4-Gas meter) were also used to monitor air in the areas where intrusive activities were occurring / where soil was being disturbed. Additionally, ambient air measurements were made throughout the site with the PID and FID during the monitoring event. According to HES, all recorded instrument measurements for these ambient air samples were below the CAMP action levels and were not significantly elevated above ambient air background levels.

In accordance with the RAWP, a minimum of four (4) monitoring stations (upwind, two downwind, and a location between the work area and the nearest occupied building or property boundary) were to be set up around the site work activities to collect particulate

(Dust) and volatile organic compound (VOC) measurements. In addition, HES had an off-site CAMP monitoring station east of the site between the site and the Waverly Early Childhood Center. The off-site CAMP station was situated on Morgan Street, near the intersection of Hall Ave. for this monitoring event. On this day, 1 set of 4 CAMP monitoring stations was used to monitor the site activities conducted around the southern portion of the site; all stations were monitored frequently throughout the day.

Details of the CAMP monitoring procedures and the monitoring equipment used to conduct the CAMP are included in previous data summary memoranda.

Water and vapor/odor suppressant foam are available on-site in the event there is a release of dust or VOCs from site activities. According to HES, foam was not required for odors or vapors emanating from the work areas. HES instructed Siteworks to conduct periodic passes with the water truck along the North-South access road in order to maintain saturated soil conditions. There was no visible dust leaving the site during this monitoring event According to HES.

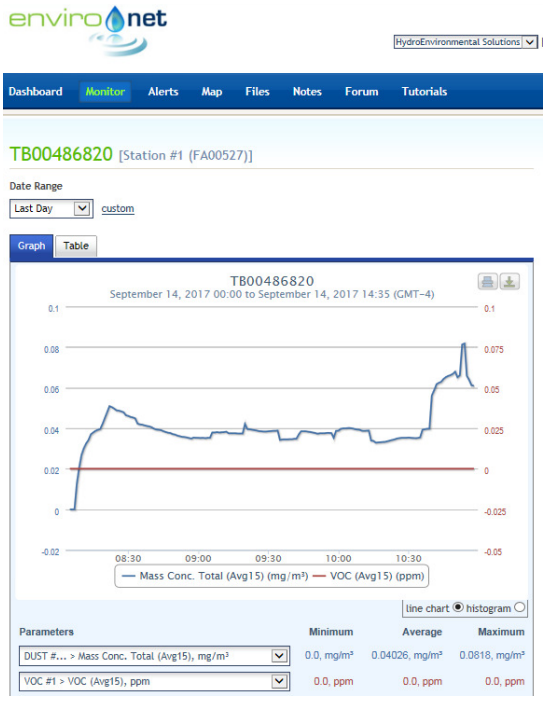
For this day's activities, none of the dust or VOC concentrations approached the action levels requiring a work stoppage or corrective measures due to site activities.

Below is a summary table for the 09/14/2017 CAMP monitoring event.

Date: 9/14/17

CAMP Data	**Upwind (Sta. 3)**	**Downwind (Sta. 1)**	**Downwind (Sta. 4)**	**Buildings (Sta. 2)**	**Morgan Str. (Sta. 5)**
VOCs (ppm)					
Min. 15-min. Ave.	0.00	0.00	0.00	0.00	0.00
Max. 15-min. Ave.	0.00	0.00	0.00	0.60	0.04
Overall Ave.	0.00	0.00	0.00	0.01	0.00
Dust (mg/m^3)					
Min. 15-min. Ave.	0.0000	0.0000	0.0000	0.0000	0.0000
Max. 15-min. Ave.	0.0417	0.0818	0.0679	0.0583	0.0690
Overall Ave.	0.0349	0.0403	0.0353	0.0358	0.0400

Environet CAMP Data Summary Graphs



9/14/2017 Station #1 (Downwind)

9/14/2017 Station #2 (Near Buildings)

9/14/2017 Station #3 (Upwind)

9/14/2017 Station #4 (Downwind)

9/14/2017 Station #5 (Morgan Street)

Memo

Date:	September 20, 2017
Project:	BCP Site # C360143
To:	Village of Tuckahoe
From:	Brendan Phillips, HDR
Subject:	Summary of CAMP Results During Site Work 109-125 Marbledale Road Tuckahoe, New York September 19, 2017

This memorandum was prepared by HDR to provide a review of the Community Air Monitoring Plan (CAMP) implementation during the site activities on Tuesday, September 19, 2017. Siteworks removed the existing fence line along the Broken Bow Brewery to the North-east of the site and backfilled the area with site soils.

No soil vapor venting was done on this day.

Despite no physical presence by either HDR or NYSDEC on the site, an HDR representative was in contact with HES regarding on site activities on this day. It was confirmed that the CAMP monitoring stations were appropriately positioned to account for the above-described work and locations of intrusive work on site as well as wind conditions.

DATA EVALUATION AND INTERPRETATIONS

In accordance with the RAWP, a CAMP is required during site activities involving soil disturbance activities. As noted previously, Siteworks removed the existing fence line along the Broken Bow Brewery and backfilled with site soils.

HES conducted the CAMP monitoring around the northern area of the site, where work was being done / soil was being hauled. Hand-held meters (PID, FID and 4-Gas meter) were also used to monitor air in the areas where intrusive activities were occurring / where soil was being disturbed. Additionally, ambient air measurements were made throughout the site with the PID and FID during the monitoring event. According to HES, all recorded instrument measurements for these ambient air samples were below the CAMP action levels and were not significantly elevated above ambient air background levels.

In accordance with the RAWP, a minimum of four (4) monitoring stations (upwind, two downwind, and a location between the work area and the nearest occupied building or property boundary) were to be set up around the site work activities to collect particulate (Dust) and volatile organic compound (VOC) measurements. In addition, HES had an off-

site CAMP monitoring station east of the site between the site and the Waverly Early Childhood Center. The off-site CAMP station was situated on Morgan Street, near the intersection of Hall Ave. for this monitoring event. On this day, 1 set of 4 CAMP monitoring stations was used to monitor the site activities conducted around the northern portion of the site; all stations were monitored frequently throughout the day.

Details of the CAMP monitoring procedures and the monitoring equipment used to conduct the CAMP are included in previous data summary memoranda.

Water and vapor/odor suppressant foam are available on-site in the event there is a release of dust or VOCs from site activities. According to HES, foam was not required for odors or vapors emanating from the work areas. HES instructed Siteworks to conduct periodic passes with the water truck along the North-South access road in order to maintain saturated soil conditions. There was no visible dust leaving the site during this monitoring event according to HES.

For this day's activities, none of the dust or VOC concentrations approached the action levels requiring a work stoppage or corrective measures due to site activities.

Below is a summary table for the 09/19/2017 CAMP monitoring event.

Date: 9/19/17

CAMP Data	**Upwind (Sta. 3)**	**Downwind (Sta. 1)**	**Downwind (Sta. 4)**	**Buildings (Sta. 2)**	**Morgan Str. (Sta. 5)**
VOCs (ppm)					
Min. 15-min. Ave.	0.00	0.00	0.00	0.00	0.00
Max. 15-min. Ave.	0.00	0.00	0.00	0.00	0.00
Overall Ave.	0.00	0.00	0.00	0.00	0.00
Dust (mg/m^3)					
Min. 15-min. Ave.	0.0107	0.0165	0.0007	0.0145	0.0116
Max. 15-min. Ave.	0.0300	0.0373	0.0461	0.0418	0.0340
Overall Ave.	0.0187	0.0226	0.0133	0.0242	0.0210

Environet CAMP Data Summary Graphs

9/19/2017 Station #1 (Downwind)

9/19/2017 Station #2 (Near Buildings)

9/19/2017 Station #3 (Upwind)

9/19/2017 Station #4 (Downwind)

9/19/2017 Station #5 (Morgan Street)

Memo

Date:	September 27, 2017
Project:	BCP Site # C360143
To:	Village of Tuckahoe
From:	Brendan Phillips, HDR
Subject:	Summary of CAMP Results During Site Work 109-125 Marbledale Road Tuckahoe, New York September 26, 2017

This memorandum was prepared by HDR to provide a review of the Community Air Monitoring Plan (CAMP) implementation during the site activities on Tuesday, September 26, 2017. Siteworks continued sifting and backfilling with site soils within the central / southern portion of the site. Additionally, Pyramid was onsite to pour concrete within the hotel footprint.

No soil vapor venting was done on this day.

Despite no physical presence by either HDR or NYSDEC on the site, an HDR representative was in contact with HES regarding on site activities on this day. It was confirmed that the CAMP monitoring stations were appropriately positioned to account for the above-described work and locations of intrusive work on site as well as wind conditions.

DATA EVALUATION AND INTERPRETATIONS

In accordance with the RAWP, a CAMP is required during site activities involving soil disturbance activities. As noted previously, Siteworks sifted and backfilled with site soils while Pyramid poured concrete for the hotel foundation.

HES conducted the CAMP monitoring around the central / southern area of the site, where work was being done / soil was being hauled. Hand-held meters (PID, FID and 4-Gas meter) were also used to monitor air in the areas where intrusive activities were occurring / where soil was being disturbed. Additionally, ambient air measurements were made throughout the site with the PID and FID during the monitoring event. According to HES, all recorded instrument measurements for these ambient air samples were below the CAMP action levels and were not significantly elevated above ambient air background levels.

In accordance with the RAWP, a minimum of four (4) monitoring stations (upwind, two downwind, and a location between the work area and the nearest occupied building or

property boundary) were to be set up around the site work activities to collect particulate (Dust) and volatile organic compound (VOC) measurements. In addition, HES had an off-site CAMP monitoring station east of the site between the site and the Waverly Early Childhood Center. The off-site CAMP station was situated on Morgan Street, near the intersection of Hall Ave. for this monitoring event. On this day, 1 set of 4 CAMP monitoring stations and 1 additional downwind station were used to monitor the site activities conducted around the central and southern portions of the site; all stations were monitored frequently throughout the day.

Details of the CAMP monitoring procedures and the monitoring equipment used to conduct the CAMP are included in previous data summary memoranda.

Water and vapor/odor suppressant foam are available on-site in the event there is a release of dust or VOCs from site activities. According to HES, foam was not required for odors or vapors emanating from the work areas. HES instructed Siteworks to conduct periodic passes with the water truck along the North-South access road in order to maintain saturated soil conditions. There was no visible dust leaving the site during this monitoring event according to HES.

For this day's activities, none of the dust or VOC concentrations approached the action levels requiring a work stoppage or corrective measures due to site activities.

Below is a summary table for the 09/26/2017 CAMP monitoring event.

Date: 9/26/17

CAMP Data	**Upwind (Sta. 3)**	**Downwind (Sta. 1)**	**Downwind (Sta. 4)**	**Buildings (Sta. 2)**	**Morgan Str. (Sta. 5)**
VOCs (ppm)					
Min. 15-min. Ave.	0.00	0.00	0.00	0.00	0.00
Max. 15-min. Ave.	0.00	0.00	0.07	0.00	0.01
Overall Ave.	0.00	0.00	0.01	0.00	0.00
Dust (mg/m^3)					
Min. 15-min. Ave.	0.0052	0.0076	-0.0013	0.0057	0.0048
Max. 15-min. Ave.	0.0453	0.0737	0.0423	0.0686	0.0533
Overall Ave.	0.0236	0.0312	0.0181	0.0306	0.0232

Date: 9/26/17

CAMP Data	**Add'l downwind (Sta. 6)**
VOCs (ppm)	
Min. 15-min. Ave.	0.00
Max. 15-min. Ave.	0.18
Overall Ave.	0.08
Dust (mg/m^3)	
Min. 15-min. Ave.	0.0076
Max. 15-min. Ave.	0.0442
Overall Ave.	0.0244

Environet CAMP Data Summary Graphs

9/26/2017 Station #1 (Downwind)

9/26/2017 Station #2 (Near Buildings)

9/26/2017 Station #3 (Upwind)

9/26/2017 Station #4 (Downwind)

9/26/2017 Station #5 (Morgan Street)

9/26/2017 Station #6 (Add'l Downwind)

Memo

Date:	September 29, 2017
Project:	BCP Site # C360143
To:	Village of Tuckahoe
From:	Brendan Phillips, HDR
Subject:	Summary of CAMP Results During Site Work 109-125 Marbledale Road Tuckahoe, New York September 27, 2017

This memorandum was prepared by HDR to provide a review of the Community Air Monitoring Plan (CAMP) implementation during the site activities on Wednesday, September 27, 2017. Siteworks began crushing stockpiled cement/concrete and resumed backfilling the northern portion of the hotel footprint. Additionally, Pyramid was onsite to remove casing around concrete (micropile caps) within the hotel's northern footprint.

No soil vapor venting was done on this day.

Despite no physical presence by either HDR or NYSDEC on the site, an HDR representative was in contact with HES regarding on site activities on this day. It was confirmed that the CAMP monitoring stations were appropriately positioned to account for the above-described work and locations of intrusive work on site as well as wind conditions.

DATA EVALUATION AND INTERPRETATIONS

In accordance with the RAWP, a CAMP is required during site activities involving soil disturbance activities. As noted previously, Siteworks mechanically crushed concrete and sifted stones while Pyramid removed casings from the concrete micropile caps within the hotel foundation.

HES conducted the CAMP monitoring around the central / southern area of the site, where work was being done / soil was being hauled. Hand-held meters (PID, FID and 4-Gas meter) were also used to monitor air in the areas where intrusive activities were occurring / where soil was being disturbed. Additionally, ambient air measurements were made throughout the site with the PID and FID during the monitoring event. According to HES, all recorded instrument measurements for these ambient air samples were below the CAMP action levels and were not significantly elevated above ambient air background levels.

In accordance with the RAWP, a minimum of four (4) monitoring stations (upwind, two downwind, and a location between the work area and the nearest occupied building or property boundary) were to be set up around the site work activities to collect particulate (Dust) and volatile organic compound (VOC) measurements. In addition, HES had an off-site CAMP monitoring station east of the site between the site and the Waverly Early Childhood Center. The off-site CAMP station was situated on Morgan Street, near the intersection of Hall Ave. for this monitoring event. On this day, 1 set of 4 CAMP monitoring stations was used to monitor the site activities conducted around the central / southern portion of the site; all stations were monitored frequently throughout the day.

Details of the CAMP monitoring procedures and the monitoring equipment used to conduct the CAMP are included in previous data summary memoranda.

Water and vapor/odor suppressant foam are available on-site in the event there is a release of dust or VOCs from site activities. According to HES, foam was not required for odors or vapors emanating from the work areas. HES instructed Siteworks to conduct periodic passes with the water truck along the North-South access road in order to maintain saturated soil conditions. There was no visible dust leaving the site during this monitoring event according to HES.

For this day's activities, none of the dust or VOC concentrations approached the action levels requiring a work stoppage or corrective measures due to site activities.

Below is a summary table for the 09/27/2017 CAMP monitoring event.

Date: 9/27/17

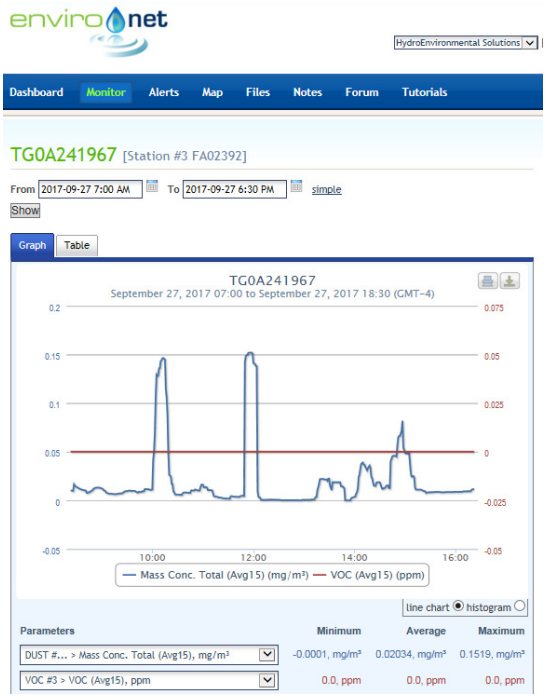
CAMP Data	**Upwind (Sta. 3)**	**Downwind (Sta. 1)**	**Downwind (Sta. 4)**	**Buildings (Sta. 2)**	**Morgan Str. (Sta. 5)**
VOCs (ppm)					
Min. 15-min. Ave.	0.00	0.00	0.00	0.00	0.00
Max. 15-min. Ave.	0.00	0.01	0.00	0.07	3.21
Overall Ave.	0.00	0.00	0.00	0.01	0.14
Dust (mg/m^3)					
Min. 15-min. Ave.	-0.0001	0.0071	-0.0015	0.0069	0.0052
Max. 15-min. Ave.	0.1519	0.0287	0.0348	0.0628	0.0142
Overall Ave.	0.0203	0.0148	0.0085	0.0207	0.0088

The DustTrak for CAMP Station #3 exceeded the 0.1 mg/m^3 at approximately 10:15 and again around 12:00. Both instances were a result of Siteworks operating the water truck along the North-South access road and kicking up a dust cloud in the wake of the falling water. No dust was seen leaving the site by the HES on-site representative, and readings immediately returned to normal background levels.

Environet CAMP Data Summary Graphs

9/27/2017 Station #1 (Downwind)

9/27/2017 Station #2 (Near Buildings)



9/27/2017 Station #3 (Upwind)

9/27/2017 Station #4 (Downwind)

9/27/2017 Station #5 (Morgan Street)

Memo

Date:	September 29, 2017
Project:	BCP Site # C360143
To:	Village of Tuckahoe
From:	Brendan Phillips, HDR
Subject:	Summary of CAMP Results During Site Work 109-125 Marbledale Road Tuckahoe, New York September 28, 2017

This memorandum was prepared by HDR to provide a review of the Community Air Monitoring Plan (CAMP) implementation during the site activities on Thursday, September 28, 2017. Siteworks continued crushing stockpiled cement/concrete and resumed sifting/backfilling the northern portion of the hotel footprint.

No soil vapor venting was done on this day.

Despite no physical presence by either HDR or NYSDEC on the site, an HDR representative was in contact with HES regarding on site activities on this day. It was confirmed that the CAMP monitoring stations were appropriately positioned to account for the above-described work and locations of intrusive work on site as well as wind conditions.

DATA EVALUATION AND INTERPRETATIONS

In accordance with the RAWP, a CAMP is required during site activities involving soil disturbance activities. As noted previously, Siteworks mechanically crushed previously-sifted concrete and stones while sifting and backfilling existing site soils.

HES conducted the CAMP monitoring around the central / southern area of the site, where work was being done / soil was being hauled. Hand-held meters (PID, FID and 4-Gas meter) were also used to monitor air in the areas where intrusive activities were occurring / where soil was being disturbed. Additionally, ambient air measurements were made throughout the site with the PID and FID during the monitoring event. According to HES, all recorded instrument measurements for these ambient air samples were below the CAMP action levels and were not significantly elevated above ambient air background levels.

In accordance with the RAWP, a minimum of four (4) monitoring stations (upwind, two downwind, and a location between the work area and the nearest occupied building or property boundary) were to be set up around the site work activities to collect particulate

(Dust) and volatile organic compound (VOC) measurements. In addition, HES had an off-site CAMP monitoring station east of the site between the site and the Waverly Early Childhood Center. The off-site CAMP station was situated on Morgan Street, near the intersection of Hall Ave. for this monitoring event. On this day, 1 set of 4 CAMP monitoring stations was used to monitor the site activities conducted around the central / southern portion of the site; all stations were monitored frequently throughout the day.

Details of the CAMP monitoring procedures and the monitoring equipment used to conduct the CAMP are included in previous data summary memoranda.

Water and vapor/odor suppressant foam are available on-site in the event there is a release of dust or VOCs from site activities. According to HES, foam was not required for odors or vapors emanating from the work areas. HES instructed Siteworks to conduct periodic passes with the water truck along the North-South access road in order to maintain saturated soil conditions. There was no visible dust leaving the site during this monitoring event according to HES.

For this day's activities, none of the dust or VOC concentrations approached the action levels requiring a work stoppage or corrective measures due to site activities.

Below is a summary table for the 09/28/2017 CAMP monitoring event.

Date: 9/28/17

CAMP Data	**Upwind (Sta. 3)**	**Downwind (Sta. 1)**	**Downwind (Sta. 4)***	**Buildings (Sta. 2)**	**Morgan Str. (Sta. 5)**
VOCs (ppm)					
Min. 15-min. Ave.	0.00	0.00	<no data>	0.00	0.00
Max. 15-min. Ave.	0.00	0.02	<no data>	0.00	0.02
Overall Ave.	0.00	0.00	<no data>	0.00	0.00
Dust (mg/m^3)					
Min. 15-min. Ave.	-0.0012	0.0052	0.0000	0.0007	0.0013
Max. 15-min. Ave.	0.0136	0.0985	0.0341	0.0207	0.0240
Overall Ave.	0.0500	0.0151	0.0078	0.0082	0.0041

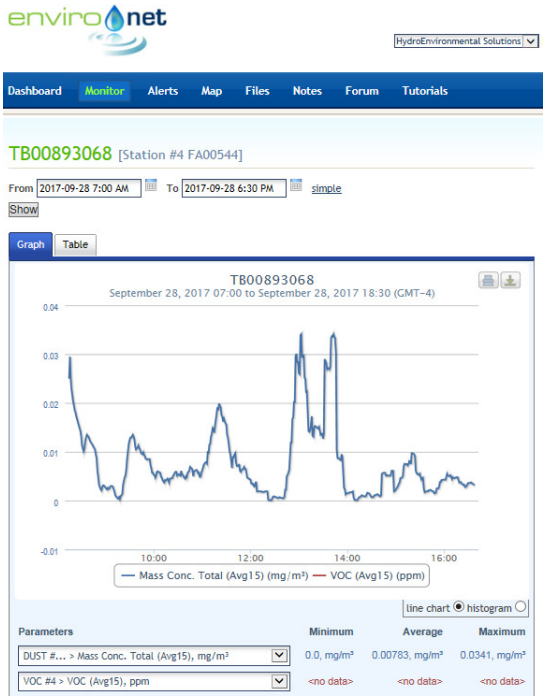
*CAMP Station #4 PID did not upload data properly to Environet. According to the HES daily CAMP sheet, hourly readings were taken and did not exceed 0.0ppm.

Environet CAMP Data Summary Graphs

9/28/2017 Station #1 (Downwind)

9/28/2017 Station #2 (Near Buildings)

9/28/2017 Station #3 (Upwind)



9/28/2017 Station #4 (Downwind)

9/28/2017 Station #5 (Morgan Street)

Memo

Date:	October 4, 2017
Project:	BCP Site # C360143
To:	Village of Tuckahoe
From:	Brendan Phillips, HDR
Subject:	Summary of CAMP Results During Site Work 109-125 Marbledale Road Tuckahoe, New York September 29, 2017

This memorandum was prepared by HDR to provide a review of the Community Air Monitoring Plan (CAMP) implementation during the site activities on Friday, September 29, 2017. Siteworks excavated a 100sqft area along the western boundary to a depth of 4ft to conduct drainage work. Additionally, Siteworks continued crushing stockpiled cement/concrete and resumed sifting/backfilling the northern portion of the hotel footprint.

No soil vapor venting was done on this day.

An HDR representative made a brief spot-check of site activities in the early afternoon and was in contact with HES regarding on site activities throughout the day. It was confirmed that the CAMP monitoring stations were appropriately positioned to account for the above-described work and locations of intrusive work on site as well as wind conditions.

DATA EVALUATION AND INTERPRETATIONS

In accordance with the RAWP, a CAMP is required during site activities involving soil disturbance activities. As noted previously, Siteworks conducted a shallow excavation along the western boundary in the central portion of the site as well as mechanically crushed previously-sifted concrete and stones while sifting and backfilling existing site soils.

HES conducted the CAMP monitoring around the central / southern area of the site, where work was being done / soil was being hauled. Hand-held meters (PID, FID and 4-Gas meter) were also used to monitor air in the areas where intrusive activities were occurring / where soil was being disturbed. Additionally, ambient air measurements were made throughout the site with the PID and FID during the monitoring event. According to HES, all recorded instrument measurements for these ambient air samples were below the CAMP action levels and were not significantly elevated above ambient air background levels.

In accordance with the RAWP, a minimum of four (4) monitoring stations (upwind, two downwind, and a location between the work area and the nearest occupied building or property boundary) were to be set up around the site work activities to collect particulate (Dust) and volatile organic compound (VOC) measurements. In addition, HES had an off-site CAMP monitoring station east of the site between the site and the Waverly Early Childhood Center. The off-site CAMP station was situated on Morgan Street, near the intersection of Hall Ave. for this monitoring event. On this day, 1 set of 4 CAMP monitoring stations and 1 additional downwind station were used to monitor the site activities conducted around the central / southern portion of the site; all stations were monitored frequently throughout the day.

Details of the CAMP monitoring procedures and the monitoring equipment used to conduct the CAMP are included in previous data summary memoranda.

Water and vapor/odor suppressant foam are available on-site in the event there is a release of dust or VOCs from site activities. According to HES, foam was not required for odors or vapors emanating from the work areas. HES instructed Siteworks to conduct periodic passes with the water truck along the North-South access road in order to maintain saturated soil conditions. There was no visible dust leaving the site during this monitoring event according to HES.

For this day's activities, none of the dust or VOC concentrations approached the action levels requiring a work stoppage or corrective measures due to site activities.

Below is a summary table for the 09/29/2017 CAMP monitoring event.

Date: 9/29/17

CAMP Data	**Upwind (Sta. 3)**	**Downwind (Sta. 1)**	**Downwind (Sta. 4)***	**Buildings (Sta. 2)**	**Morgan Str. (Sta. 5)**
VOCs (ppm)					
Min. 15-min. Ave.	0.00	0.00	<no data>	0.00	0.00
Max. 15-min. Ave.	0.00	0.04	<no data>	0.01	0.08
Overall Ave.	0.00	0.00	<no data>	0.00	0.01
Dust (mg/m^3)					
Min. 15-min. Ave.	-0.0022	0.0027	-0.0067	0.0000	0.0013
Max. 15-min. Ave.	0.0101	0.0607	0.1738	0.1115	0.0073
Overall Ave.	0.0032	0.0120	0.0247	0.0085	0.0036

*CAMP Station #4 PID did not upload data properly to Environet due to damaged wiring. According to the HES daily CAMP sheet, hourly readings were taken and did not exceed 0.0ppm.

Readings from CAMP Station #2 exceeded the alert threshold at startup of the DustTrak. The station was immediately recalibrated, and readings returned to normal background levels.

An alert was triggered by CAMP Station #4 at 1:19 as a result of Siteworks making a pass of the water truck. A cloud of dust is often kicked-up by the falling water ahead of the water truck and may cause an exceedance of the 0.1mg/m^3 recorded by the DustTrak; readings fell to acceptable levels immediately afterwards. No dust was seen leaving the site as reported by HES.

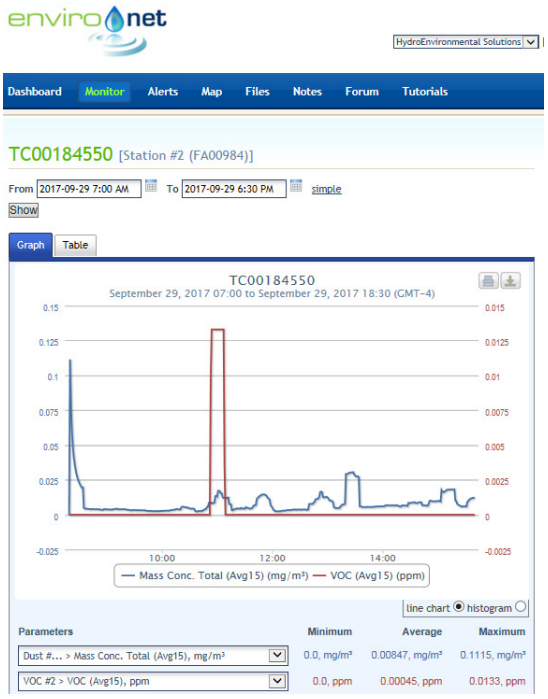
At approximately 2:30, dust from the rock crusher triggered a dust alert from CAMP Station #4. Siteworks was instructed to slow the rate of the conveyer belt as well as to add an extra water hose in order to better control the dust. Again, no dust was seen leaving the site as reported by HES and supported by CAMP Station #1 which had been positioned downwind of the crushing activities and along the site boundary.

Date: 9/29/17

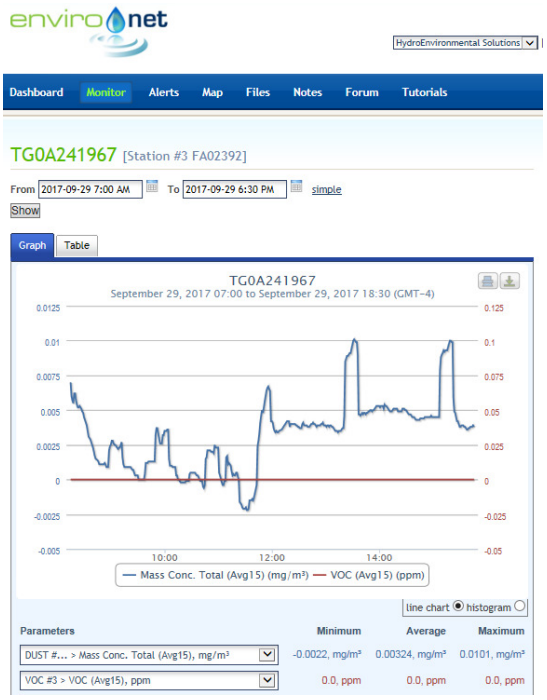
CAMP Data	**Add'l Downwind (Sta. 6)**
VOCs (ppm)	
Min. 15-min. Ave.	0.00
Max. 15-min. Ave.	0.13
Overall Ave.	0.04
Dust (mg/m^3)	
Min. 15-min. Ave.	0.0047
Max. 15-min. Ave.	0.0391
Overall Ave.	0.0107

Environet CAMP Data Summary Graphs

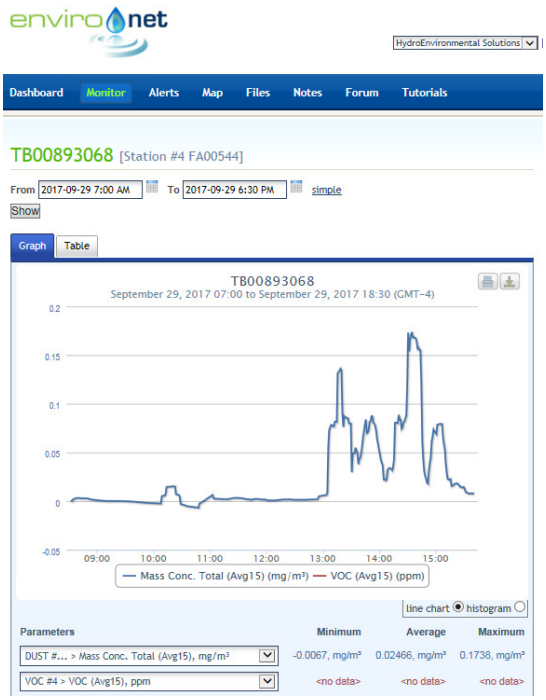
9/29/2017 Station #1 (Downwind)



9/29/2017 Station #2 (Near Buildings)



9/29/2017 Station #3 (Upwind)



9/29/2017 Station #4 (Downwind)

9/29/2017 Station #5 (Morgan Street)

9/29/2017 Station #6 (Add'l Downwind)

Memo

Date:	October 4, 2017
Project:	BCP Site # C360143
To:	Village of Tuckahoe
From:	Brendan Phillips, HDR
Subject:	Summary of CAMP Results During Site Work 109-125 Marbledale Road Tuckahoe, New York September 30, 2017

This memorandum was prepared by HDR to provide a review of the Community Air Monitoring Plan (CAMP) implementation during the site activities on Saturday, September 30, 2017. Siteworks continued crushing stockpiled cement/concrete and resumed sifting/backfilling the northern portion of the hotel footprint.

No soil vapor venting was done on this day.

Despite no physical presence by either HDR or NYSDEC on the site, an HDR representative was in contact with HES regarding on site activities on this day. It was confirmed that the CAMP monitoring stations were appropriately positioned to account for the above-described work and locations of intrusive work on site as well as wind conditions.

DATA EVALUATION AND INTERPRETATIONS

In accordance with the RAWP, a CAMP is required during site activities involving soil disturbance activities. As noted previously, Siteworks mechanically crushed previously-sifted concrete and stones while sifting and backfilling existing site soils.

HES conducted the CAMP monitoring around the central / southern area of the site, where work was being done / soil was being hauled. Hand-held meters (PID, FID and 4-Gas meter) were also used to monitor air in the areas where intrusive activities were occurring / where soil was being disturbed. Additionally, ambient air measurements were made throughout the site with the PID and FID during the monitoring event. According to HES, all recorded instrument measurements for these ambient air samples were below the CAMP action levels and were not significantly elevated above ambient air background levels.

In accordance with the RAWP, a minimum of four (4) monitoring stations (upwind, two downwind, and a location between the work area and the nearest occupied building or property boundary) were to be set up around the site work activities to collect particulate

(Dust) and volatile organic compound (VOC) measurements. In addition, HES had an off-site CAMP monitoring station east of the site between the site and the Waverly Early Childhood Center. The off-site CAMP station was situated on Morgan Street, near the intersection of Hall Ave. for this monitoring event. On this day, 1 set of 4 CAMP monitoring stations was used to monitor the site activities conducted around the central / southern portion of the site; all stations were monitored frequently throughout the day.

Details of the CAMP monitoring procedures and the monitoring equipment used to conduct the CAMP are included in previous data summary memoranda.

Water and vapor/odor suppressant foam are available on-site in the event there is a release of dust or VOCs from site activities. According to HES, foam was not required for odors or vapors emanating from the work areas. HES instructed Siteworks to conduct periodic passes with the water truck along the North-South access road in order to maintain saturated soil conditions. There was no visible dust leaving the site during this monitoring event according to HES.

For this day's activities, none of the dust or VOC concentrations approached the action levels requiring a work stoppage or corrective measures due to site activities.

Below is a summary table for the 09/30/2017 CAMP monitoring event.

Date: 9/30/17

CAMP Data	**Upwind (Sta. 3)**	**Downwind (Sta. 1)**	**Downwind (Sta. 4)***	**Buildings (Sta. 2)**	**Morgan Str. (Sta. 5)**
VOCs (ppm)					
Min. 15-min. Ave.	0.00	0.00	<no data>	0.00	0.00
Max. 15-min. Ave.	0.00	0.00	<no data>	0.00	0.00
Overall Ave.	0.00	0.00	<no data>	0.00	0.00
Dust (mg/m^3)					
Min. 15-min. Ave.	0.0001	0.0000	-0.0001	0.0000	0.0029
Max. 15-min. Ave.	0.0851	0.0154	0.0845	0.0961	0.0123
Overall Ave.	0.0252	0.0086	0.0123	0.0202	0.0061

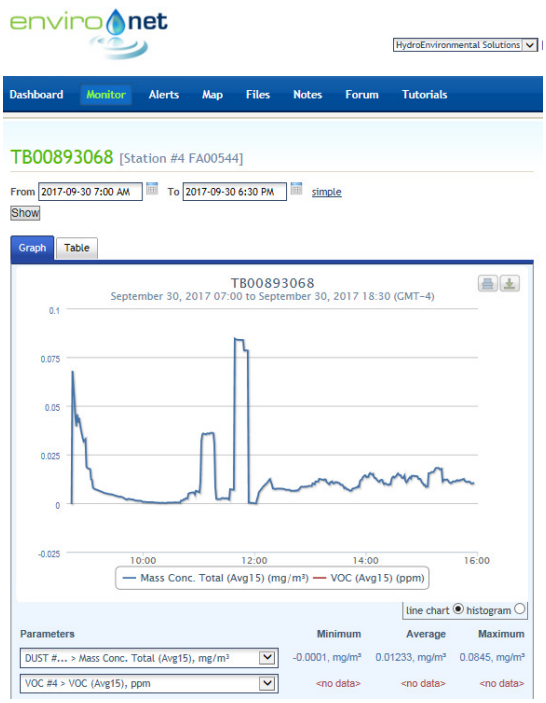
*CAMP Station #4 PID did not upload data properly to Environet due to damaged wiring. According to the HES daily CAMP sheet, hourly readings were taken and did not exceed 0.0ppm.

Environet CAMP Data Summary Graphs

9/30/2017 Station #1 (Downwind)

9/30/2017 Station #2 (Near Buildings)

9/30/2017 Station #3 (Upwind)



9/30/2017 Station #4 (Downwind)

9/30/2017 Station #5 (Morgan Street)

Memo

Date:	September 13, 2017
Project:	BCP Site # C360143
To:	Village of Tuckahoe
From:	Brendan Phillips, HDR
Subject:	Summary of CAMP Results During Site Work 109-125 Marbledale Road Tuckahoe, New York September 6, 2017

This memorandum was prepared by HDR to provide a review of the Community Air Monitoring Plan (CAMP) implementation during the site activities on Wednesday, September 6, 2017. General Boring Inc. (GBI) was onsite to resume test borings within the restaurant footprint in the northern area of the site.

At the request of the NYSDEC, HES resumed the temporary soil vapor extraction system and treated the vapors with a carbon filtration system. Screening with the PID and FID was conducted at both the influent and effluent points along vapor extraction system.

Despite no physical presence by either HDR or NYSDEC on the site, an HDR representative was in contact with HES regarding on site activities on this day. It was confirmed that the CAMP monitoring stations were appropriately positioned to account for the above-described work and locations of intrusive work on site as well as wind conditions.

DATA EVALUATION AND INTERPRETATIONS

In accordance with the RAWP, a CAMP is required during site activities involving soil disturbance activities. As noted previously, GBI continued to drill test borings within the restaurant footprint.

HES conducted the CAMP monitoring around the restaurant footprint, in the northern area of the site, where drilling was being done. Hand-held meters (PID, FID and 4-Gas meter) were also used to monitor air in the areas where intrusive activities were occurring / where soil was being disturbed. Additionally, ambient air measurements were made throughout the site with the PID and FID during the monitoring event. According to HES, all recorded instrument measurements for these ambient air samples were below the CAMP action levels and were not significantly elevated above ambient air background levels.

In accordance with the RAWP, a minimum of four (4) monitoring stations (upwind, two downwind, and a location between the work area and the nearest occupied building or

property boundary) were to be set up around the site work activities to collect particulate (Dust) and volatile organic compound (VOC) measurements. In addition, HES had an off-site CAMP monitoring station east of the site between the site and the Waverly Early Childhood Center. The off-site CAMP station was situated on Morgan Street, near the intersection of Hall Ave. for this monitoring event. On this day, 1 set of 4 CAMP monitoring stations was used to monitor the site activities conducted within the restaurant footprint; all stations were monitored frequently throughout the day.

Details of the CAMP monitoring procedures and the monitoring equipment used to conduct the CAMP are included in previous data summary memoranda.

Water and vapor/odor suppressant foam are available on-site in the event there is a release of dust or VOCs from site activities. According to HES, foam was not required for odors or vapors emanating from the work areas. Similarly, due to moderate to heavy rain, dust suppression was not necessary on this day. There was no visible dust leaving the site during this monitoring event according to HES.

For this day's activities, none of the dust or VOC concentrations approached the action levels requiring a work stoppage or corrective measures due to site activities.

Below is a summary table for the 09/06/2017 CAMP monitoring event.

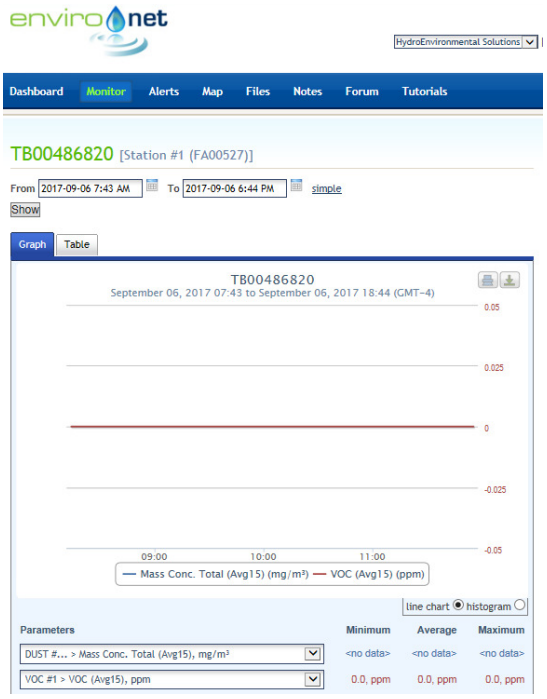
Date: 9/06/17

CAMP Data	**Upwind (Sta. 3)**	**Downwind (Sta. 1)**	**Downwind (Sta. 4)**	**Buildings (Sta. 6)***	**Morgan Str. (Sta. 5)**
VOCs (ppm)					
Min. 15-min. Ave.	0.00	0.00	0.00	0.00	0.00
Max. 15-min. Ave.	0.00	0.00	0.00	0.00	0.01
Overall Ave.	0.00	0.00	0.00	0.00	0.00
Dust (mg/m^3) [t]					
Min. 15-min. Ave.	<no data>	<no data>	<no data>	<no data>	<no data>
Max. 15-min. Ave.	<no data>	<no data>	<no data>	<no data>	<no data>
Overall Ave.	<no data>	<no data>	<no data>	<no data>	<no data>

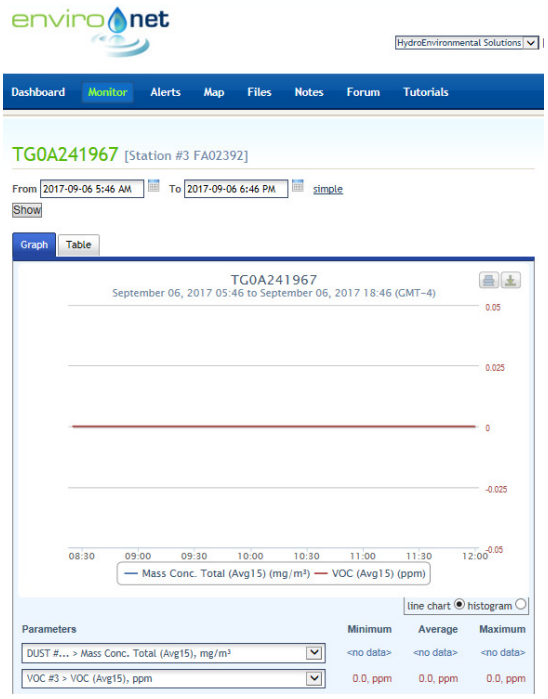
*Note: CAMP Station #6 was swapped out recently for maintenance and replaced with a new Station #6. Therefore, Station #6 graphs from the Environet site are no longer available prior to 9/11/2017 (the date in which the unit was swapped out). However, the data has been downloaded, preserved, and provided to HDR for review.

[t] DustTraks were not used due to the moderate to heavy rain conditions which can damage the sensors.

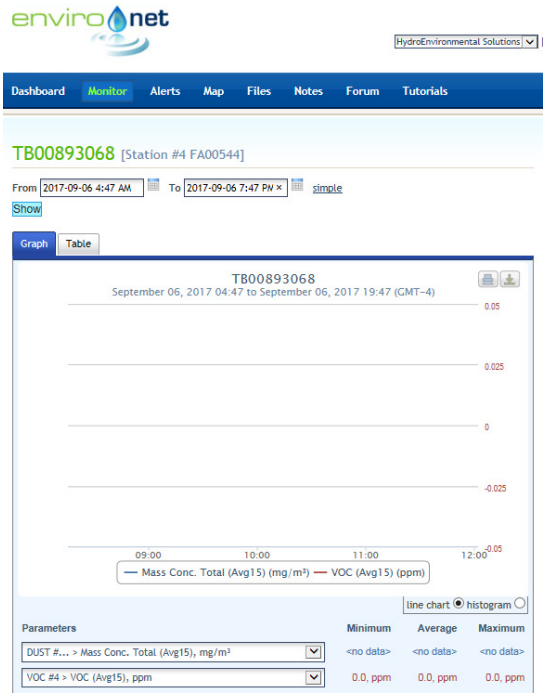
Environet CAMP Data Summary Graphs



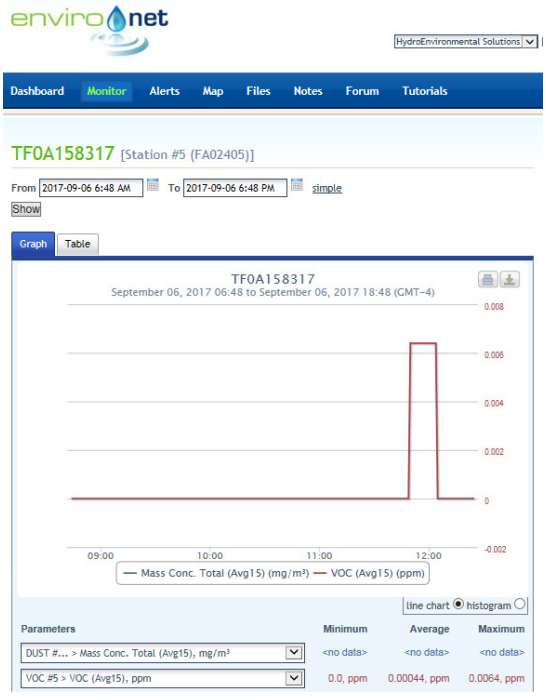
9/6/2017 Station #1 (Downwind)



9/6/2017 Station #3 (Upwind)



9/6/2017 Station #4 (Downwind)



9/6/2017 Station #5 (Morgan Street)