

# DAILY OBSERVATION REPORT

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Report No.: 01

EA Project File: 1447429

Date: December 06, 2011

EA Engineering, P.C.

6712 Brooklawn Parkway, Suite 104

Syracuse, NY 13211-2158



Site No. 1-52-140

Contractor PM: AECOM – Walter Howard

NYSDEC PM: Jeffrey Dyber

Site Superintendent:

Air Monitoring: AECOM

Health & Safety: AECOM

**NYSDEC Division of Environmental Remediation**

**Site Location: Albany St., Babylon, NY (Site No. 1-52-140)**

## Weather Conditions

General Description	Overcast/Rain	am	Overcast/Rain	Pm
Temperature	57	am	62	Pm
Wind Direction	Calm	am	7-10 mph SW	Pm

## HEALTH & SAFETY:

(\*If any box(s) below are checked "Yes", list the deviation under the "Items for Concern" section of this report).

Were there any changes to the Health & Safety Plan? \*Yes ( ) No (X) NA ( )

Were there any exceedances at the perimeter Air: \*Yes ( ) No (X) NA ( )  
action level reported on this date?

Were there any dust/odor issues reported or \*Yes ( ) No (X) NA ( )  
observed on this date?

## Summary of Events:

- On-site at 07:30, spoke with Greta White and Sam Rowe (AECOM) regarding planned work for the day. Zebra Environmental already onsite for monitoring well installation.
- AECOM and Zebra began drilling MW-3D, located on the south western corner of the Suffolk County Water Authority (SCWA) well field property (refer to AECOM RAWP - Figure 1). Prior to drilling, AECOM setup the CAMP to monitor VOCs and total suspended particulates. The CAMP was setup according to AECOMs RAWP Section 5.4 – Community Air Monitoring Plan. No exceedances were recorded.
- AECOM characterized/logged MW-3D and collected soil samples for waste characterization. A depth of 85-ft bgs was reached by the end of the day. Tomorrow, Zebra will continue drilling MW-3D until the clay aquitard is encountered (~85 - 95 ft bgs) and install the pre-packed well screen and riser. Drilling and soil sampling procedures were in accordance with Section 02687 – Monitoring Wells of the Contract Documents.
- Underground Surveying performed utility markouts for the MW-2D/2S, MW-1D/1S, and all areas that will be affected by construction activities (e.g. DDC wells, trenching).
- Off-site at 15:30.

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## VISITORS TO SITE:

NAME	Representing	Entered Exclusion/CRZ Zone	
None		Yes ( )	No ( )

## PROJECT SCHEDULE:

- Monitoring Well installation (06 - 09 December, 2011)

## ISSUES PENDING:

- None

## ITEMS OF CONCERN:

- None

Site Representative:

Robert Peterson

Date: 06 December 2011



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Date: December 06, 2011

**Photographs**



**View of particulate dust monitor.**

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**Underground Surveying conducting utility markouts on Benjoe St.**



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Date: December 06, 2011



**View of Geoprobe setting up on MW-3D.**

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Report No.: 02

EA Project File: 1447429

Date: December 07, 2011

**EA Engineering, P.C.**

6712 Brooklawn Parkway, Suite 104

Syracuse, NY 13211-2158



**Site No. 1-52-140**

Contractor PM: AECOM – Walter Howard

NYSDEC PM: Jeffrey Dyber

Site Superintendent:

Air Monitoring: AECOM

Health & Safety: AECOM

**NYSDEC Division of Environmental Remediation**

**Site Location: Albany St., Babylon, NY (Site No. 1-52-140)**

## Weather Conditions

General Description	Overcast/Rain	am	Overcast/Rain	Pm
Temperature	55	am	60	Pm
Wind Direction	Calm	am	10-13 mph SW	Pm

## HEALTH & SAFETY:

(\*If any box(s) below are checked "Yes", list the deviation under the "Items for Concern" section of this report).

Were there any changes to the Health & Safety Plan? \*Yes ( ) No (X) NA ( )

Were there any exceedances at the perimeter Air: \*Yes ( ) No (X) NA ( )  
action level reported on this date?

Were there any dust/odor issues reported or \*Yes ( ) No (X) NA ( )  
observed on this date?

## Summary of Events:

- On-site at 07:30, spoke with Greta White and Sam Rowe (AECOM) regarding planned work for the day. Zebra Environmental already onsite for monitoring well installation.
- Prior to drilling, AECOM setup the CAMP to monitor VOCs and total suspended particulates. The CAMP was setup according to AECOMs RAWP Section 5.4 – Community Air Monitoring Plan. No exceedances were recorded.
- AECOM and Zebra finished drilling MW-3D and MW-3S (refer to AECOM RAWP - Figure 1). AECOM characterized/logged MW-3D/3S in accordance with Section 02687 – Monitoring Wells of the Contract Documents. MW-3D was installed above the clay interface and screened from 85 – 95 ft bgs. MW-3S was screened from 7 – 22 ft bgs. Pre-packed screens and 1-inch diameter riser pipe were installed in accordance with AECOMs RAWP Section 2.3.5 Monitoring Well Installation Plan and Figure 7 – Monitoring Well Construction Diagram.
- Tomorrow, Zebra will begin drilling MW-2D/2S.
- Off-site at 15:30.

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Report No.: 02

EA Project File: 1447429

Date: December 07, 2011

## VISITORS TO SITE:

NAME	Representing	Entered Exclusion/CRZ Zone	
None		Yes ( )	No ( )

## PROJECT SCHEDULE:

- Monitoring Well installation (06 - 10 December, 2011)

## ISSUES PENDING:

- None

## ITEMS OF CONCERN:

- None

Site Representative:

Robert Peterson

Date: 07 December 2011



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Report No.: 03

EA Project File:

1447429

Date: December 08, 2011

EA Engineering, P.C.

6712 Brooklawn Parkway, Suite 104

Syracuse, NY 13211-2158



Site No. 1-52-140

Contractor PM: AECOM – Walter Howard

NYSDEC PM: Jeffrey Dyber

Site Superintendent:

Air Monitoring: AECOM

Health & Safety: AECOM

**NYSDEC Division of Environmental Remediation**

**Site Location: Albany St., Babylon, NY (Site No. 1-52-140)**

## Weather Conditions

General Description	Sunny	am	Sunny	Pm
Temperature	38	am	46	Pm
Wind Direction	10-15 mph SW	am	10-15 mph SW	Pm

## HEALTH & SAFETY:

(\*If any box(s) below are checked "Yes", list the deviation under the "Items for Concern" section of this report).

Were there any changes to the Health & Safety Plan? \*Yes ( ) No (X) NA ( )

Were there any exceedances at the perimeter Air: \*Yes ( ) No (X) NA ( )  
action level reported on this date?

Were there any dust/odor issues reported or \*Yes ( ) No (X) NA ( )  
observed on this date?

## Summary of Events:

- On-site at 07:30, spoke with Greta White and Sam Rowe (AECOM) regarding planned work for the day. Zebra Environmental already onsite for monitoring well installation.
- Zebra completed flush mount well pads for MW-3D/3S. Refer to AECOM RAWP Figure 7 – Monitoring Well Construction Diagram.
- Prior to drilling, AECOM setup the CAMP to monitor VOCs and total suspended particulates. The CAMP was setup according to AECOMs RAWP Section 5.4 – Community Air Monitoring Plan. No exceedances were recorded.
- AECOM and Zebra finished drilling MW-2D and MW-2S. MW-2D/2S were off-set to the western edge of Beta Drive (refer to AECOM RAWP - Figure 1 for original location). AECOM characterized/logged MW-2D/2S in accordance with Section 02687 – Monitoring Wells of the Contract Documents. All soil cuttings were placed in 5-gallon buckets and staged on SCWA property. MW-2S was screened from 8 – 23 ft bgs. A pre-packed screen and 1-inch diameter riser pipe were installed in accordance with AECOMs RAWP Section 2.3.5 Monitoring Well Installation Plan and Figure 7 – Monitoring Well Construction Diagram. MW-2D screen and riser will be installed tomorrow to a depth of 80 – 90 ft bgs.
- YEC Surveying arrived on SWCA property to survey in building locations, current surface elevations, locations of piping systems and electrical transformer locations.
- Tomorrow, Zebra will mobilize two drill teams to finish MW-2D and MW-1D/1S.
- Off-site at 15:30.



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## VISITORS TO SITE:

NAME	Representing	Entered Exclusion/CRZ Zone	
None		Yes ( )	No ( )

## PROJECT SCHEDULE:

- Monitoring Well installation (06 - 09 December, 2011)

## ISSUES PENDING:

- None

## ITEMS OF CONCERN:

- None

Site Representative:

Robert Peterson

Date: 08 December 2011



Report No.: 03

EA Project File: 1447429

Date: December 08, 2011

**Photographs**



**View of MW-2D/2S well pads.**



**Upwind air monitoring station at MW-2D/2S.**



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Date: December 08, 2011



**View of Zebra drilling MW-2S.**



**View of MW-2S well pad.**

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Report No.: 04

EA Project File: 1447429

Date: December 09, 2011

**EA Engineering, P.C.**

6712 Brooklawn Parkway, Suite 104

Syracuse, NY 13211-2158



**Site No. 1-52-140**

Contractor PM: AECOM – Walter Howard

NYSDEC PM: Jeffrey Dyber

Site Superintendent:

Air Monitoring: AECOM

Health & Safety: AECOM

**NYSDEC Division of Environmental Remediation**

**Site Location: Albany St., Babylon, NY (Site No. 1-52-140)**

## Weather Conditions

<b>General Description</b>	Sunny	am	Sunny	Pm
<b>Temperature</b>	32	am	40	Pm
<b>Wind Direction</b>	Calm	am	5 - 7 mph SW	Pm

## HEALTH & SAFETY:

(\*If any box(s) below are checked "Yes", list the deviation under the "Items for Concern" section of this report).

Were there any changes to the Health & Safety Plan? \*Yes ( ) No (X) NA ( )

Were there any exceedances at the perimeter Air: \*Yes ( ) No (X) NA ( )  
action level reported on this date?

Were there any dust/odor issues reported or \*Yes ( ) No (X) NA ( )  
observed on this date?

## Summary of Events:

- On-site at 07:30, spoke with Greta White and Sam Rowe (AECOM) regarding planned work for the day. Zebra Environmental already onsite for monitoring well installation.
- Zebra installed MW-2D pre-packed screen and riser pipe. A flush-mount well pad was constructed for MW-2D. Refer to AECOM RAWP Figure 7 – Monitoring Well Construction Diagram.
- Prior to drilling, AECOM setup the CAMP to monitor VOCs and total suspended particulates. The CAMP was setup according to AECOMs RAWP Section 5.4 – Community Air Monitoring Plan. No exceedances were recorded.
- AECOM and Zebra finished drilling MW-1D and MW-1S. MW-1D/1S were off-set to the northern edge of Melody Lane (refer to AECOM RAWP - Figure 1 for original location). AECOM characterized/logged MW-1D/1S in accordance with Section 02687 – Monitoring Wells of the Contract Documents. All soil cuttings were placed in 5-gallon buckets and staged on SCWA property. MW-1D/1S were screened from 80 – 90 and 7 – 22 ft bgs, respectively. Pre-packed screens and 1-inch diameter riser piping were installed in accordance with AECOMs RAWP Section 2.3.5 Monitoring Well Installation Plan and Figure 7 – Monitoring Well Construction Diagram.
- Zebra constructed flush-mount well pads for MW-1D/1S.
- Off-site at 16:00.

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EA Project File: 1447429

Date: December 09, 2011

## VISITORS TO SITE:

NAME	Representing	Entered Exclusion/CRZ Zone	
None		Yes ( )	No ( )

## PROJECT SCHEDULE:

- None

## ISSUES PENDING:

- None

## ITEMS OF CONCERN:

- None

Site Representative:

Robert Peterson

Date: 09 December 2011





Report No.: 04

EA Project File: 1447429

Date: December 09, 2011

Photographs



View of MW-2D/2S well pads.



Zebra drilling MW-1D/1S.

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Date: December 09, 2011



View of MW-1D/1S well pads.