

DAILY OBSERVATION REPORT

Report No.: 92 EA Project File: 1447429 Date: May 14, 2012

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
Construction Manager: AECOM - Kent Wagener
Air Monitoring: AECOM
Health & Safety: AECOM

NYSDEC Division of Environmental Remediation
Site Location: Albany St., Babylon, NY (Site No. 1-52-140)

Weather Conditions

Table with 5 columns: General Description, Sunny, Am, Sunny, Pm. Rows include Temperature (60, 70) and Wind Direction (8-15 mph SW).

HEALTH & SAFETY:

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

Table with 4 columns: Question, *Yes (), No (X), NA (). Rows ask about changes to Health & Safety Plan, exceedances at perimeter, and dust/odor issues.

WASTE HAULING:

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

Table with 4 columns: Question, *Yes (), No (), NA (X). Rows ask about vehicles with proper D.O.T. numbers and tarping.

Materials Removed From Site:
Disposal Facility: 110 Sand Company
Total Loads (on this date): 0
Total Loads (to date): 7
Total Estimated Daily Weight (tons): NA
Total Approximate* Weight (tons): 140

*Actual (total weight) adjusted periodically based on weight tickets submitted by the disposal facilities.

DAILY OBSERVATION REPORT

Report No.: 92 EA Project File: 1447429 Date: May 14, 2012

Summary of Events:

- Onsite at 11:00, spoke with Kent Wagoner and Sam Rowe (AECOM) regarding planned work for the day.
- Prior to the start of work, AECOM conducted health and safety meeting and discussed overall goals for day.
- AECOM finished discharging DDC-09 development water to DDC-09 recirculation well. Water was pumped through two 10-gal filter vessels mounted on a secondary poly-lined containment pad. Pressure gauges were installed at the inlet and outlet of both vessels to monitor filter efficiency and a sampling port was installed on the outlet for sample collection and periodic measurements of turbidity. The filtration system operated at 100-110 gal per minute and achieved less than 50 nephelometric turbidity units (NTUs) between successive well volumes. Well development water was discharged in accordance with the Contract Documents Section 02686 – Re-Circulation Wells and AECOMs Remedial Action Work Plan (RAWP) Section 2.3.1 - Installation of DDC Wells.
- AECOM began cleaning residual material from frac tank located on Suffolk County Water Authority (SCWA) property. Material was pumped into poly lined roll-off. The frac tank will be power washed and transported off-site by beginning of next week.
- AECOM placed sediment that was bailed from each DDC well, prior to development, into the roll-off for off-site disposal.
- No concerns/complaints from residences were documented.
- Off-site at 15:30.

VISITORS TO SITE:

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

PROJECT SCHEDULE:

- Process development water (24 April – 25 May 2012).
- DDC eductor piping and well head assembly (25 April – 18 May 2012).
- Treatment system startup (21 May 2012)

ISSUES PENDING:

- None

ITEMS OF CONCERN:

- None

Site Representative: Robert Peterson

Date: 14 May 2012



DAILY OBSERVATION REPORT

Report No.: 93 EA Project File: 1447429 Date: May 15, 2012

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
Construction Manager: AECOM - Kent Wagener
Air Monitoring: AECOM
Health & Safety: AECOM

NYSDEC Division of Environmental Remediation
Site Location: Albany St., Babylon, NY (Site No. 1-52-140)

Weather Conditions

Table with 5 columns: General Description, Rain, Am, Rain, Pm. Rows include Temperature (60) and Wind Direction (13-18 mph S).

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?
Were there any exceedances at the perimeter action level reported on this date?
Were there any dust/odor issues reported or observed on this date?

WASTE HAULING:

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

- Were there any vehicles that did not display proper D.O.T. numbers and placards?
Were there any vehicles which were not tarped?

Materials Removed From Site:
Disposal Facility: 110 Sand Company
Total Loads (on this date): 0
Total Loads (to date): 7
Total Estimated Daily Weight (tons): NA
Total Approximate* Weight (tons): 140

*Actual (total weight) adjusted periodically based on weight tickets submitted by the disposal facilities.

DAILY OBSERVATION REPORT

Report No.: 93

EA Project File:

1447429

Date: May 15, 2012

Summary of Events:

- Onsite at 07:00, spoke with Kent Wagoner and Sam Rowe (AECOM) regarding planned work for the day.
- Prior to the start of work, AECOM conducted health and safety meeting and discussed overall goals for day.
- AECOM prefabricated permanent DDC well head covers. Covers were installed on DDC-05 and DDC-06. The covers have a total of 4 openings (two viewing ports, one 4-in. air supply opening, and one 6-in. air return opening). The sight glasses were constructed of 1/4-in. clear plastic. Silicon was applied between the sight glasses and piping connection points to achieve an air tight seal. 4-in. air supply lines were connected to DDC-05 and DDC-06. The 4-in. air supply lines were reduced to a 2-in. pipe at the well head covers via a 4 in. x 2 in. polyvinyl chloride (PVC) reducing coupling (see attached photographs). The 2-in. air supply pipe (blower tube) was placed inside the eductor pipe, extending 10.5-ft below the water table. The 6-in. air return line connections to DDC-05 and DDC-06 were installed on 10 May 2012. The sump condensate drainage line will be connected to DDC-06 well head at a later date. DDC-05 and DDC-06 well head covers and blower tubes were installed in accordance with AECOM's RAWP 2.3.1 Installation of DDC Wells, AECOM's Remedial Action Work Plan (RAWP) Figure 2 – DDC Well Construction, and Section 02686 – Re-Circulation Wells of the Contract Documents.
- Tomorrow (16 May 2012), AECOM will install well head covers and air line connections at DDC-08 and DDC-10.
- No concerns/complaints from residences were documented.
- Offsite at 17:00.

VISITORS TO SITE:

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

PROJECT SCHEDULE:

- DDC eductor piping and well head assembly (25 April – 18 May 2012).
- Treatment system startup (21 - 25 May 2012)

ISSUES PENDING:

- None

ITEMS OF CONCERN:

- None

Site Representative:

Robert Peterson

Date: 15 May 2012



Report No.: 93

EA Project File: 1447429

Date: May 15, 2012

Photographs



View of DDC-06 well head and piping connections.



View of DDC-06 well head cover and piping connections.

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Date: May 15, 2012



DDC-06 well head cover and piping connections.



View of DDC-05 well head and piping connections.

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EA Project File:

1447429

Date: May 15, 2012



DDC-05 well head cover and piping connections.



DDC-05 well head and air line piping.

DAILY OBSERVATION REPORT

Report No.: 94 EA Project File: 1447429 Date: May 16, 2012

EA Engineering, P.C.

6712 Brooklawn Parkway, Suite 104
Syracuse, NY 13211-2158



NYSDEC Division of Environmental Remediation
Site Location: Albany St., Babylon, NY (Site No. 1-52-140)

Site No. 1-52-140

Contractor PM: AECOM – Walter Howard
NYSDEC PM: Jeffrey Dyber
Construction Manager: AECOM - Kent Wagener
Air Monitoring: AECOM
Health & Safety: AECOM

Weather Conditions

General Description	Rain	<i>Am</i>	Rain	<i>Pm</i>
Temperature	60	<i>Am</i>	64	<i>Pm</i>
Wind Direction	13-18 mph S	<i>Am</i>	13-18 mph S	<i>Pm</i>

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

WASTE HAULING:

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

Were there any vehicles that did not display proper D.O.T. numbers and placards?	*Yes ()	No ()	NA (X)
Were there any vehicles which were not tarped?	*Yes ()	No ()	NA (X)

Materials Removed From Site:

Disposal Facility: 110 Sand Company
Total Loads (on this date): 0
Total Loads (to date): 7
Total Estimated Daily Weight (tons): NA
Total Approximate* Weight (tons): 140

*Actual (total weight) adjusted periodically based on weight tickets submitted by the disposal facilities.

DAILY OBSERVATION REPORT

Report No.: 94

EA Project File:

1447429

Date: May 16, 2012

Summary of Events:

- Onsite at 07:00, spoke with Kent Wagoner and Sam Rowe (AECOM) regarding planned work for the day.
- Prior to the start of work, AECOM conducted health and safety meeting and discussed overall goals for day.
- AECOM installed traffic controls around DDC-07, DDC-08, and DDC-10.
- AECOM installed well head covers and air line connections to DDC-08 and DDC-10. The covers have a total of 4 openings (two viewing ports, one 4-in. air supply opening, and one 6-in. air return opening). The sight glasses were constructed of 1/4-in. clear plastic. Silicon was applied between the sight glasses and piping connection points to achieve an air tight seal. 4-in. air supply lines were connected to DDC-08 and DDC-10. The 4-in. air supply lines were reduced to a 2-in. pipe at the well head covers via a 4 in. x 2 in. polyvinyl chloride (PVC) reducing coupling (see attached photographs). The 2-in. air supply pipe (blower tube) was placed inside the eductor pipe, extending 10.5-ft below the water table. 6-in. air return lines were connected to DDC-08 and DDC-10. The 6-in. air return lines were reduced to a 4-in. pipe at the well head covers via a 6 in. x 4 in. PVC reducer coupling (see attached photographs). AECOM decided to reduce the diameter of the air lines due to limited space within the DDC vaults. DDC-08 and DDC-10 well head covers and blower tubes were installed in accordance with AECOM's Remedial Action Work Plan (RAWP) 2.3.1 Installation of DDC Wells, AECOM's RAWP Figure 2 – DDC Well Construction, and Section 02686 – Re-Circulation Wells of the Contract Documents.
- AECOM installed DDC-07 well head. The well head cover and air line connections will be installed tomorrow.
- Tomorrow (17 May 2012), AECOM will install well head covers and piping connections at DDC-09 and DDC-07.
- No concerns/complaints from residences were documented.
- Off-site at 17:00.

VISITORS TO SITE:

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

PROJECT SCHEDULE:

- DDC eductor piping and well head assembly (25 April – 18 May 2012).
-
- Treatment system startup (21 - 25 May 2012)

ISSUES PENDING:

- None

ITEMS OF CONCERN:

- None

Site Representative:

Robert Peterson

Date: 16 May 2012



Report No.: 94

EA Project File: 1447429

Date: May 16, 2012

Photographs



View of DDC-08 well head, piping connections, and piezometers.



View of DDC-10 well head, piping connections, and piezometers.

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EA Project File:

1447429

Date: May 16, 2012



DDC-10 piping connections and piezometers.

DAILY OBSERVATION REPORT

Report No.: 95 EA Project File: 1447429 Date: May 17, 2012

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
Construction Manager: AECOM - Kent Wagener
Air Monitoring: AECOM
Health & Safety: AECOM

NYSDEC Division of Environmental Remediation
Site Location: Albany St., Babylon, NY (Site No. 1-52-140)

Weather Conditions

Table with 5 columns: General Description, Sunny, Am, Sunny, Pm. Rows include Temperature (62, 74) and Wind Direction (8-15 mph NW).

HEALTH & SAFETY:

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

Table with 4 columns: Question, *Yes (), No (X), NA (). Rows ask about changes to Health & Safety Plan, exceedances at perimeter, and dust/odor issues.

WASTE HAULING:

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

Table with 4 columns: Question, *Yes (), No (), NA (X). Rows ask about vehicles without proper D.O.T. numbers and vehicles not tarped.

Materials Removed From Site:
Disposal Facility: 110 Sand Company
Total Loads (on this date): 0
Total Loads (to date): 7
Total Estimated Daily Weight (tons): NA
Total Approximate* Weight (tons): 140

*Actual (total weight) adjusted periodically based on weight tickets submitted by the disposal facilities.

DAILY OBSERVATION REPORT

Report No.: 95 EA Project File: 1447429 Date: May 17, 2012

Summary of Events:

- Onsite at 07:00, spoke with Kent Wagoner and Sam Rowe (AECOM) regarding planned work for the day.
- Prior to the start of work, AECOM conducted health and safety meeting and discussed overall goals for day.
- AECOM installed traffic controls around DDC-07 and DDC-09.
- AECOM installed well head covers and air line connections to DDC-07 and DDC-09. The covers have a total of 4 openings (two viewing ports, one 4-in. air supply opening, and one 6-in. air return opening). The sight glasses were constructed of 1/4-in. clear plastic. Silicon was applied between the sight glasses and piping connection points to achieve an air tight seal. 4-in. air supply lines were connected to DDC-07 and DDC-09. The 4-in. air supply lines were reduced to a 2-in. pipe at the well head covers via a 4 in. x 2 in. polyvinyl chloride (PVC) reducing coupling (see attached photographs). The 2-in. air supply pipe (blower tube) was placed inside the eductor pipe, extending 10.5-ft below the water table. 6-in. air return lines were connected to DDC-07 and DDC-09. The 6-in. air return lines were reduced to a 4-in. pipe at the well head covers via a 6 in. x 4 in. PVC reducing coupling (see attached photographs). AECOM decided to reduce the diameter of the air lines due to limited space within the DDC vaults. DDC-07 and DDC-09 well head covers and blower tubes were installed in accordance with AECOM's RAWP 2.3.1 Installation of DDC Wells, AECOM's RAWP Figure 2 – DDC Well Construction, and Section 02686 – Re-Circulation Wells of the Contract Documents. DDC well assembly and air connections are complete.
- Preferred Environmental collected baseline groundwater samples from monitoring well couplets and DDC well piezometers, ahead of system startup activities planned for next week.
- Tomorrow (18 May 2012), AECOM will install sump pumps in 6-inch air return line sumps.
- No concerns/complaints from residences were documented.
- Off-site at 17:00.

VISITORS TO SITE:

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

PROJECT SCHEDULE:

- DDC eductor piping and well head assembly (25 April – 18 May 2012).
- Treatment system startup (21 - 25 May 2012)

ISSUES PENDING:

- None

ITEMS OF CONCERN:

- None

Site Representative: Robert Peterson

Date: 17 May 2012



Report No.: 95

EA Project File: 1447429

Date: May 17, 2012

Photographs



View of DDC-07 well head and piping connections.



View of DDC-09 well head, piping connections, and piezometers.

Report No.: 95

EA Project File:

1447429

Date: May 17, 2012



Air line connections at DDC-09 vault.

DAILY OBSERVATION REPORT

Report No.: 96 EA Project File: 1447429 Date: May 18, 2012

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
Construction Manager: AECOM - Kent Wagener
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	NA	Pm
Temperature	65	Am	NA	Pm
Wind Direction	5-10 mph W	Am	NA	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 action level reported on this date? Air:	*Yes ()	No ()	NA (X)
Were there any dust/odor issues reported or observed on this date?	*Yes ()	No (X)	NA ()

WASTE HAULING:

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

Were there any vehicles that did not display proper D.O.T. numbers and placards?	*Yes ()	No ()	NA (X)
Were there any vehicles which were not tarped?	*Yes ()	No ()	NA (X)

Materials Removed From Site:

Disposal Facility: 110 Sand Company
Total Loads (on this date): 0
Total Loads (to date): 7
Total Estimated Daily Weight (tons): NA
Total Approximate* Weight (tons): 140

*Actual (total weight) adjusted periodically based on weight tickets submitted by the disposal facilities.

DAILY OBSERVATION REPORT

Report No.: 96 EA Project File: 1447429 Date: May 18, 2012

Summary of Events:

- Onsite at 07:00, spoke with Kent Wagoner and Sam Rowe (AECOM) regarding planned work for the day.
- Prior to the start of work, AECOM conducted health and safety meeting and discussed overall goals for day.
- AECOM installed sump pumps and condensate drainage connections in 6-inch air return line sumps.
- No concerns/complaints from residences were documented.
- Offsite at 10:00.

VISITORS TO SITE:

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

PROJECT SCHEDULE:

- Treatment system startup (21 - 25 May 2012)

ISSUES PENDING:

- None

ITEMS OF CONCERN:

- None

Site Representative:

Robert Peterson

Date: 18 May 2012

