

DAILY OBSERVATION REPORT

Report No.: 52 EA Project File: 1447429 Date: March 12, 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	Sunny	Pm
Temperature	57	am	59	Pm
Wind Direction	8-11 mph SSW	am	8-11 mph SSW	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 (X)	NA ()
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): 1
Total Estimated Daily Weight (tons): 0
Total Approximate* Weight (tons): 20

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

DAILY OBSERVATION REPORT

Report No.: 52

EA Project File:

1447429

Date: March 12, 2012

Summary of Events:

- Onsite at 11:00, spoke with Kent Wagoner and Sam Rowe (AECOM) regarding planned work for the day. Layne Drilling (Layne) and Les Pennington (Wasatch) already onsite.
- Prior to the start of work, AECOM conducted health and safety meeting, discussed overall goals for day, and setup upwind and downwind air monitoring stations. Upwind station installed on corner of Beta Dr. and Benjoe Dr. and downwind station installed on Benjoe Dr., approximately 30 ft west of Albany Ave. Air monitoring was performed in accordance with the Contract Documents and AECOM's Remedial Action Work Plan (RAWP): Section 4.2 – Dust Monitoring, Section 5.0 – Air Monitoring Plan. No exceedances were recorded.
- Layne maintained poly under both drill rigs to prevent contamination of ground surface from drill rig fluids. At DDC-05, poly was also placed along Suffolk County Water Authority (SCWA) western fence line to act as a barrier to the sidewalk along Albany Ave. Traffic Controls and poly-lined fencing were maintained around DDC-08 exclusion zone.
- Layne continued drilling DDC-08 (Refer to AECOMs Revised RAWP Figure 1, Submittal No. 02686-002A) using dual rotary/air rotary techniques. Layne advanced the boring and outer casing to 30 ft below ground surface (bgs) (Gardiners Clay estimated at 86.5 ft bgs). Water was added to the borehole during drilling operations to increase drilling efficiency. Water was obtained from the fire hydrant located on the corner of Albany Ave. and 45th Street. All drill cuttings and water generated during drilling were returned to the surface within the annulus between the drill string and outer casing. Cuttings and water were discharged to a poly lined roll-off. Water will be pumped from the roll-off to a weir tank for settling once water accumulates. All drill cuttings (fine-medium sands) were logged by Wasatch. Drilling activities were performed in accordance with Section 02686 – Re-Circulation Wells of the Contract Documents.
- Layne finished drilling DDC-05 and began installing DDC-05 recirculation well (See RAWP Figure 2 for general DDC well construction). Layne encountered Gardiners Clay (aquicard) at 80.25-foot bgs. EA and Wasatch confirmed that borehole was at top of aquicard. The well was constructed of 10-in. diameter Schedule 40 polyvinyl chloride (PVC). Centralizers were used to position the well in the borehole. The 12-ft long lower screen (Johnson HQ 0.020 slot) and 1-ft sump (blank casing) were installed from 67 to 80 ft bgs, with its bottom slot set near the surface of the clay aquicard (80.25 ft bgs). The 15-ft upper screen was installed from 14 to 29 ft bgs to intercept the approximate seasonal water table. Layne installed two, 2-in. diameter, Schedule 40 PVC piezometers, mounted on the outside of the DDC well. The deep piezometer (DDC-05-PD) was placed on the north side of DDC-05 and screened over the same interval as the lower DDC well screen. The shallow piezometer (DDC-05-PS) was placed on the south side of DDC-05 and screened over the same interval as the upper DDC well screen. Layne began installing well bore annulus material. The annulus will be filled with Ricci #1 sand filter pack appropriate to the screens. Between the screens, the borehole annulus was filled with 4 – 5-foot long bentonite seals placed at 30, 45, and 60 ft bgs, separated by 15-20-ft long sections of choker sand (#00 sand). Layne gradually removed 24-in. outer casing as annular material was added to borehole.
- Tomorrow (13 March 2012), Layne will continue drilling DDC-08 and continue installing annular materials at DDC-05.
- Offsite at 17:30.

VISITORS TO SITE:

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

DAILY OBSERVATION REPORT

Pg. 3 of 6

Report No.: 52

EA Project File: 1447429

Date: March 12, 2012

PROJECT SCHEDULE:

- DDC well installation (16 January – 30 March 2012).
- Replace DDC-06 piezometers (14 – 16 March 2012).
- Develop DDC wells (19 March – 04 April 2012).
- DDC treatment system mobilization (02 April 2012).

ISSUES PENDING:

- None

ITEMS OF CONCERN:

- None

Site Representative:

Robert Peterson

Date: 12 March 2012



Report No.: 52

EA Project File: 1447429

Date: March 12, 2012

Photographs



Layne installing DDC-05 well screen and riser.



Layne installing annular materials at DDC-05.

Report No.: 52

EA Project File:

1447429

Date: March 12, 2012



Layne drilling DDC-08.



View of sump man-way covers.

Report No.: 52

EA Project File:

1447429

Date: March 12, 2012



View of backfilled piping manifold area on north side of treatment system pad, looking west.



View of backfilled piping manifold area on north side of treatment system pad, looking southwest.

DAILY OBSERVATION REPORT

Report No.: 53 EA Project File: 1447429 Date: March 13, 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, Cloudy/Rain, am, Mostly Sunny, Pm. Rows include Temperature (51 am, 61 Pm) and Wind Direction (9-13 mph SW am, 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: action level reported on this date? *Yes () No (X) NA ()
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): 1
Total Estimated Daily Weight (tons): 0
Total Approximate* Weight (tons): 20

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

DAILY OBSERVATION REPORT

Report No.: 53

EA Project File:

1447429

Date: March 13, 2012

Summary of Events:

- Onsite at 07:00, spoke with Kent Wagoner and Sam Rowe (AECOM) regarding planned work for the day. Layne Drilling (Layne) and Les Pennington (Wasatch) already onsite.
- Prior to the start of work, AECOM conducted health and safety meeting, discussed overall goals for day, and setup upwind and downwind air monitoring stations. Upwind station installed on corner of Beta Dr. and Benjoe Dr. and downwind station installed on Benjoe Dr., approximately 30 ft west of Albany Ave. Air monitoring was performed in accordance with the Contract Documents and AECOM's Remedial Action Work Plan (RAWP): Section 4.2 – Dust Monitoring, Section 5.0 – Air Monitoring Plan. No exceedances were recorded.
- Layne maintained poly under both drill rigs to prevent contamination of ground surface from drill rig fluids. At DDC-05, poly was also placed along Suffolk County Water Authority (SCWA) western fence line to act as a barrier to the sidewalk along Albany Ave. Traffic Controls and poly-lined fencing were maintained around DDC-08 exclusion zone.
- Layne continued drilling DDC-08 (Refer to AECOMs Revised RAWP Figure 1, Submittal No. 02686-002A) using dual rotary/air rotary techniques. Layne advanced the boring and outer casing to 85 ft below ground surface (bgs) (Gardiners Clay estimated at 86.5 ft bgs). Water was added to the borehole during drilling operations to increase drilling efficiency. Water was obtained from the fire hydrant located on the corner of Albany Ave. and 45th Street. All drill cuttings and water generated during drilling were returned to the surface within the annulus between the drill string and outer casing. Cuttings and water were discharged to a poly lined roll-off. Water will be pumped from the roll-off to a weir tank for settling prior to off-site disposal. All drill cuttings (fine-medium sands) were logged by Wasatch. Drilling activities were performed in accordance with Section 02686 – Re-Circulation Wells of the Contract Documents.
- Layne continued installing well bore annulus materials. The annulus was filled with Ricci #1 sand filter pack appropriate to the screens. Between the screens, the borehole annulus was filled with 4-5-ft long bentonite seals placed at 31, 44, and 57 ft bgs, separated by 15-20-ft long sections of choker sand (#00 sand) placed at 36 and 49 ft bgs. Layne gradually removed 24-in. outer casing as annular material was added to borehole. Annular materials were placed in accordance with AECOM's RAWP Section 2.3.1 – Installation of DDC Wells and Figure 2 – DDC Well Construction.
- No concerns/complaints from residences were documented.
- Tomorrow (14 March 2012), Layne will continue drilling DDC-08 and continue installing annular materials at DDC-05. Aarco Environmental will transport DDC-05 drill cuttings offsite.
- Offsite at 18:00.

VISITORS TO SITE:

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

PROJECT SCHEDULE:

- DDC well installation (16 January – 30 March 2012).
- Replace DDC-06 piezometers (14 – 16 March 2012).
- Develop DDC wells (19 March – 04 April 2012).
- DDC treatment system mobilization (02 April 2012).

ISSUES PENDING:

- None

DAILY OBSERVATION REPORT

Pg. 3 of 4

Report No.: 53

EA Project File:

1447429

Date: March 13, 2012

ITEMS OF CONCERN:

- None

Site Representative:

Robert Peterson

Date: 13 March 2012



Report No.: 53

EA Project File: 1447429

Date: March 13, 2012

Photographs



Layne threading additional drill rod at DDC-08.



Layne drilling casing/drill string at DDC-08.

DAILY OBSERVATION REPORT

Report No.: 54 EA Project File: 1447429 Date: March 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

General Description	Sunny	am	Sunny	Pm
Temperature	51	am	65	Pm
Wind Direction	5-9 mph NW	am	9-11 mph NW	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 (X)	NA ()
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 (X)	NA ()
Were there any vehicles which were not tarped?	*Yes ()	No (X)	NA ()

Materials Removed From Site:

Disposal Facility: 110 Sand Company
Total Loads (on this date): 1
Total Loads (to date): 2
Total Estimated Daily Weight (tons): 20
Total Approximate* Weight (tons): 40

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

Report No.: 54 EA Project File: 1447429 Date: March 14, 2012

Summary of Events:

- Onsite at 07:00, spoke with Kent Wagoner and Sam Rowe (AECOM) regarding planned work for the day. Layne Drilling (Layne) and Les Pennington (Wasatch) already onsite.
- Prior to the start of work, AECOM conducted health and safety meeting, discussed overall goals for day, and setup upwind and downwind air monitoring stations. Upwind station installed on corner of Beta Dr. and Benjoe Dr. and downwind station installed on Benjoe Dr., approximately 30 ft west of Albany Ave. Air monitoring was performed in accordance with the Contract Documents and AECOM’s Remedial Action Work Plan (RAWP): Section 4.2 – Dust Monitoring, Section 5.0 – Air Monitoring Plan. No exceedances were recorded.
- Layne maintained poly under both drill rigs to prevent contamination of ground surface from drill rig fluids. At DDC-05, poly was also placed along Suffolk County Water Authority (SCWA) western fence line to act as a barrier to the sidewalk along Albany Ave. Traffic Controls and poly-lined fencing were maintained around DDC-08 exclusion zone.
- Layne was unable to remove coarser grained material from DDC-08 boring via air rotary techniques. Layne removed drill string from boring and measured 30-ft of soils in boring. Layne began removing soils via 6-in. diameter steel bailer. Approximately 20-ft of soils were bailed into a steel holding container. All material (fine-medium sands) was logged by Wasatch. Soils will be transferred to poly-lined roll-off once bailing is complete.
- During DDC-05 well construction, bentonite began to bridge/block well bore annulus. Bridging occurs when granular bentonite is poured into the casing or borehole too rapidly. Rapid placement of bentonite will adhere to the outer casing part-way down the borehole. The result is a partially plugged annulus that eventually may reopen and/or collapse. Bridging occurred during the placement of bentonite from 62 to 57 ft below ground surface (bgs) (Refer to AECOM’s RAWP Figure 2 – DDC Well Construction). Approximately 2-ft of bentonite adhered to the outer casing at 40-ft bgs and bridged the annulus. The remaining 3 ft of bentonite remained in place above the lower screen sand pack (80–62-ft bgs). Layne attempted to dislodge the bentonite plug by gradually removing the outer casing from the borehole and pushing the plug down with a 4-in. steel casing. During the removal process, the deep piezometer (DDC-05-PD) broke off at 57-ft bgs. AECOM decided that well construction materials (well screens, PVC riser, and piezometers) should be removed and the borehole cleared of debris (filter sand, bentonite). Once the borehole is cleared to 80-ft bgs, Layne will re-install DDC-05 well.
- Aarco Environmental transported roll-off to 110 Sand Company, Melville, NY for disposal. Roll-off contained DDC-06 drill cuttings. Waste manifest signed by Rob Peterson (EA) on behalf of NYSDEC. See above section “Waste Hauling” for additional details.
- No concerns/complaints from residences were documented.
- Tomorrow, Layne will continue bailing DDC-08, begin installing DDC-08 well, and remove DDC-05 well materials.
- Off-site at 17:30.

VISITORS TO SITE:

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

DAILY OBSERVATION REPORT

Report No.: 54

EA Project File: 1447429

Date: March 14, 2012

PROJECT SCHEDULE:

- DDC well installation (16 January – 30 March 2012).
- Replace DDC-06 piezometers (14 – 16 March 2012).
- Develop DDC wells (19 March – 04 April 2012).
- DDC treatment system mobilization (02 April 2012).

ISSUES PENDING:

- None

ITEMS OF CONCERN:

- None

Site Representative:

Robert Peterson

Date: 14 March 2012



Report No.: 54

EA Project File: 1447429

Date: March 14, 2012

Photographs



Layne bailing material from DDC-08.



Aarco Environmental transporting DDC-05 roll-off offsite.

DAILY OBSERVATION REPORT

Report No.: 55 EA Project File: 1447429 Date: March 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

General Description	Overcast	am	Overcast	Pm
Temperature	44	am	48	Pm
Wind Direction	8-9 mph E	am	9-10 mph ESE	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 (X)	NA ()
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): 2

Total Estimated Daily Weight (tons): 0

Total Approximate* Weight (tons): 40

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

DAILY OBSERVATION REPORT

Report No.: 55

EA Project File:

1447429

Date: March 15, 2012

Summary of Events:

- Onsite at 07:30, spoke with Kent Wagoner and Sam Rowe (AECOM) regarding planned work for the day. Layne Drilling (Layne) and Les Pennington (Wasatch) already onsite.
- Prior to the start of work, AECOM conducted health and safety meeting, discussed overall goals for day, and setup upwind and downwind air monitoring stations. Upwind station installed on corner of Beta Dr. and Benjoe Dr. and downwind station installed on Benjoe Dr., approximately 30 ft west of Albany Ave. Air monitoring was performed in accordance with the Contract Documents and AECOM's Remedial Action Work Plan (RAWP): Section 4.2 – Dust Monitoring, Section 5.0 – Air Monitoring Plan. No exceedances were recorded.
- Layne maintained poly under both drill rigs to prevent contamination of ground surface from drill rig fluids. At DDC-05, poly was also placed along Suffolk County Water Authority (SCWA) western fence line to act as a barrier to the sidewalk along Albany Ave. Traffic Controls and poly-lined fencing were maintained around DDC-08 exclusion zone.
- Layne finished removing soils (fine-medium sand) from DDC-08 borehole using 6-in. diameter steel bailer. Super Sacks were used to transfer soils to roll-off for off-site disposal. Layne cleared the borehole to 87-ft below ground surface (bgs) and encountered the Gardiners Clay unit. EA and Wasatch confirmed borehole depth was at top of clay and in accordance with specifications. Layne backfilled borehole to 86.3-ft bgs with #1 Filter Sand. All material (fine-medium sands) was logged by Wasatch. Tomorrow, Layne will set DDC-08 well at 86.3-ft bgs.
- Layne removed DDC-05 well construction materials (polyvinyl chloride [PVC] riser, well screens, piezometers). Both screens were not damaged during the removal process and will be re-installed. The remainder of the day was spent mobilizing drilling equipment and additional casing to re-drill DDC-05. Note: DDC-05 will be re-drilled at same location. Tomorrow (16 March 2012), Layne will install outer casing and begin re-drilling DDC-05 to 80-ft bgs.
- Aarco Environmental delivered roll-off to DDC-05.
- No concerns/complaints from residences were documented.
- Offsite at 17:30.

VISITORS TO SITE:

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

PROJECT SCHEDULE:

- DDC well installation (16 January – 30 March 2012).
- Replace DDC-06 piezometers (14 – 16 March 2012).
- Develop DDC wells (19 March – 04 April 2012).
- DDC treatment system mobilization (02 April 2012).

ISSUES PENDING:

- None

ITEMS OF CONCERN:

- None

Site Representative:

Robert Peterson

Date: 15 March 2012



Report No.: 55

EA Project File: 1447429

Date: March 15, 2012

Photographs



Layne removing DDC-05 well construction materials.



Layne transferring bailed soils to Super Sacks.

DAILY OBSERVATION REPORT

Report No.: 56 EA Project File: 1447429 Date: March 16, 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

<i>General Description</i>	Overcast	am	Sunny	Pm
<i>Temperature</i>	49	am	57	Pm
<i>Wind Direction</i>	5 mph W	am	8 mph W	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 (X)	NA ()
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): 2
Total Estimated Daily Weight (tons): 0
Total Approximate* Weight (tons): 40

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

DAILY OBSERVATION REPORT

Report No.: 56

EA Project File:

1447429

Date: March 16, 2012

Summary of Events:

- Onsite at 07:00, spoke with Kent Wagoner and Sam Rowe (AECOM) regarding planned work for the day. Layne Drilling (Layne) and Les Pennington (Wasatch) already onsite.
- Prior to the start of work, AECOM conducted health and safety meeting, discussed overall goals for day, and setup upwind and downwind air monitoring stations. Upwind station installed on corner of Beta Dr. and Benjoe Dr. and downwind station installed on Benjoe Dr., approximately 30 ft west of Albany Ave. Air monitoring was performed in accordance with the Contract Documents and AECOM's Remedial Action Work Plan (RAWP): Section 4.2 – Dust Monitoring, Section 5.0 – Air Monitoring Plan. No exceedances were recorded.
- Layne maintained poly under both drill rigs to prevent contamination of ground surface from drill rig fluids. At DDC-05, poly was also placed along Suffolk County Water Authority (SCWA) western fence line to act as a barrier to the sidewalk along Albany Ave. Traffic Controls and poly-lined fencing were maintained around DDC-08 exclusion zone.
- Layne began installing DDC-08 recirculation well (See RAWP Figure 2 for general DDC well construction). The well was constructed of 10-in. diameter Schedule 40 polyvinyl chloride (PVC). Centralizers were used to position the well in the borehole. The 12-ft long lower screen (Johnson HQ 0.020 slot) and 1-ft sump (blank casing) were set at 86.3 ft below ground surface (bgs), with its bottom slot set near the surface of the clay aquitard. The 15-ft upper screen was installed from 14 to 29 ft bgs to intercept the approximate seasonal water table. Layne installed two, 2-in. diameter, Schedule 40 PVC piezometers, mounted on the outside of the DDC well. The deep piezometer (DDC-06-PD) was placed on the north side of DDC-06 and screened over the same interval as the lower DDC well screen. The shallow piezometer (DDC-06-PS) was placed on the south side of DDC-06 and screened over the same interval as the upper DDC well screen. Monday, Layne will begin installing annular fill materials.
- Layne installed outer casing and re-drilled DDC-05 to 60.0-foot bgs. Monday, DDC-05 will be advanced to 80 ft bgs.
- No concerns/complaints from residences were documented.
- Off-site at 12:00.

VISITORS TO SITE:

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

PROJECT SCHEDULE:

- DDC well installation (16 January – 30 March 2012).
- Replace DDC-06 piezometers (14 – 16 March 2012).
- Develop DDC wells (19 March – 04 April 2012).
- DDC treatment system mobilization (02 April 2012).

ISSUES PENDING:

- None

ITEMS OF CONCERN:

- None

Site Representative:

Robert Peterson

Date: 16 March 2012

