Report No.:		EA P	roject File:	1447	429		Date: Ma	arch '	<u>19, 2012</u>
EA Engineering, P.	С.			R	Site No	o. 1-5	2-140		
6712 Brooklawn Pa	arkway, Suite 104				Contrac	tor PN	I: AECOM –	Walte	r Howard
Syracuse, NY 1321	1-2158		San and San		NYSDE	C PM:	Jeffrey Dyl	ber	
NYSDEC Division of Site Location: Alba					Air Mon	itoring	Manager: Al j: AECOM ty: AECOM	ECOM	- Kent Wagoner
	Weather Co	nditio	ns						
General Description	Sunny	am	Sunny	Pm					
Temperature	50	am	70	Pm					
Wind Direction	3-5 mph W	am	5-8 mph W	Pm					
HEALTH & SAFET	<u>Y:</u> v are checked "Yes",	list the	e deviation under th	he "Item	s for Con	cern'	' section of	f this I	report).
Were there any cha				*Yes			(X)		()
Were there any exc action level reporte	-	erimet	er Air:	*Yes	()	No	(X)	NA	()
Were there any dus observed on this da	•	orted o	r	*Yes	()	No	(X)	NA	()
WASTE HAULING: (*If any box(s) below	vare checked "Yes",	list the	e deviation under th	he "Item	s for Con	icern'	' section of	this I	report).
Were there any veh numbers and placa		lisplay	proper D.O.T.	*Yes	()	No	()	NA	(X)
Were there any veh	icles which were r	ot tar	ped?	*Yes	()	No	()	NA	(X)
Materials Remove Disposal Facility: 1 Total Loads (on this da Total Loads (to date): 2 Total Estimated Daily W Total Approximate* We	110 Sand Company te): 0 /eight (tons): 0	1							
*Actual (total weight) ac weight tickets submitte									

Report No.: 57	EA Project File:	1447429	Date: March 19, 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 began installing annular materials at DDC-08 (See RAWP Figure 2 for general DDC well construction). Ricci #1 sand filter pack was placed appropriate to the lower screen (lower screen: 73 ft 86 ft below ground surface [bgs]). Between the screens, the borehole annulus was filled with 3-4-ft long bentonite seals placed at 30, 45, 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 added to borehole. Approximately 30 ft of casing was removed. Annular materials were placed in accordance with AECOM's RAWP Section 2.3.1 Installation of DDC Wells and Figure 2 General DDC Well Construction).

Annular Material	Depth (ft bgs)
#1 Sand (Lower Screen Filter Pack)	68 - 86
Bentonite	63 - 68
#00 Sand	49.5 – 63

- Drilling activities were suspended at DDC-05 due to a broken casing bonnet. The bonnet attaches to the top of the outer casing and creates a pressurized seal. The remainder of the day was spent repairing the bonnet.
- Gray Electric installed electrical boxes in each sump vault. Electric wiring will be installed on Thursday, 22 March 2012.
- Tomorrow (20 March 2012), Layne will continue placing annular materials at DDC-08 and continue drilling DDC-05.
- No concerns/complaints from residences were documented.
- Offsite at 17:00.

VISITORS TO SITE:			
NAME	Representing	Entered Exclu	usion/CRZ Zone
None		Yes ()	No ( )
PROJECT SCHEDULE:			

Report No.: 57	EA Project File:	1447429	Date: March 19, 2012

• DDC well installation (16 January – 18 April 2012).

- Replace DDC-06 piezometers (02 06 April 2012).
- Develop DDC wells (16 April 04 April 2012).
- DDC treatment system mobilization (02 April 2012).

### **ISSUES PENDING:**

None

### ITEMS OF CONCERN:

• None

Site Representative:

Date: 19 March 2012

**Robert Peterson** Robert Peterson

Layne adding #1 Sand to DDC-08 annulus.



Layne installing additional section of outer casing at DDC-05.



View of electrical box partially installed in sump vault.

Report No .:	58	EA P	roject File:	1447	429	Date:	March 2	<u>20, 2012</u>	
EA Engineering, P.	С.			R	Site No. 1	-52-140			
6712 Brooklawn Pa	arkway, Suite 104				Contractor	PM: AECON	I – Walter	Howard	
Syracuse, NY 1321	1-2158		The second se		NYSDEC PI	M: Jeffrey	Dyber		
NYSDEC Division of					Constructio	on Manager:	AECOM	- Kent Wago	ner
Site Location: Alba	ny St., Babylon, N	IY (Site	No. 1-52-140)		Air Monitor	-			
					Health & Sa	fety: AECC	M		
	Weather Co	nditio	ns						
General Description	Fog	am	Sunny	Pm					
Temperature	46	am	71	Pm					
Wind Direction	2-3 mph W	am	8-12 mph W	Pm					
HEALTH & SAFET	<i>!</i> :								
(*If any box(s) below		, list the	e deviation under	the "Item	s for Concei	m" section	of this r	eport).	
Were there any cha	inges to the Healt	h & Saf	fety Plan?	*Yes	() M	lo (X)	NA	()	
Were there any exc action level reporte	-	erimet	er Air:	*Yes	() M	lo (X)	NA	()	
•									
Were there any dus observed on this da	•	orted o	r	*Yes	() N	lo (X)	NA	()	
					( )	( )		( )	
<u>WASTE HAULING:</u> (*If any box(s) below	are checked "Yes"	, list the	e deviation under	the "Item	s for Concei	n" section	of this r	eport).	
Were there any veh	ioloc that did not	diaplay		*Yes	() N	lo ()	NA	(X)	
numbers and placa		uispiay	proper D.O.T.	103	() [		114	(X)	
Were there any veh	iclos which woro	not tor	2002	*Yes	() N	lo ()	NA	(X)	
	incles which were	not tar	bed :	100	() .			())	
Materials Remove Disposal Facility: 1 Total Loads (on this dat Total Loads (to date): 2 Total Estimated Daily	I 10 Sand Compan te): 0 /eight (tons): 0	у							
Total Approximate* Wei									
*Actual (total weight) ac	ljusted periodically ba	ised on							

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

	Report No.: 58	EA Project File:	1447429	Date: March 20, 2012
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#### 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 finished installing annular materials at DDC-08 (See RAWP Figure 2 for general DDC well construction). Ricci #1 sand filter pack was placed appropriate to the upper screen (upper screen: 13–28 ft below ground surface [bgs]). Between the screens, the borehole annulus was filled with 3-4 ft long bentonite seals placed at 32, 46, and 63 ft bgs, separated by 15-20 ft long sections of choker sand (#00 Sand). Layne gradually removed 24-in. outer casing as annular materials were added to the borehole. Wasatch confirmed annular materials were placed in accordance with AECOM's RAWP Section 2.3.1 Installation of DDC Wells and Figure 2 General DDC Well Construction. A well construction report will be completed by Wasatch. Tomorrow (21 March 2012), Layne will cover DDC-08 vault manway using a temporary asphalt patch and mobilize to DDC-07. DDC manhole construction will be completed once all DDC wells have been installed.

Annular Material	Depth (ft bgs)
#1 Sand (Lower Screen Filter Pack)	68 - 86
Bentonite	63 - 68
#00 Sand	49.5 – 63
Bentonite	46 – 49.5
#00 Sand	35.8 – 46
Bentonite	32 – 35.8
#1 Sand (Upper Screen Filter Pack)	11 – 32
Bentonite	9.5 – 11
DDC-08 Vault	0 – 9.5

- Overnight, 10 ft of sand infiltrated through the bottom of DDC-05 outer casing. The borehole was cleared to 60 ft bgs using a 6-in. diameter steel bailer. All sand and groundwater was discharged to a poly lined roll-off. Groundwater was pumped to a weir tank for collection and settling. Groundwater will be returned as makeup water to the well. Tomorrow (21 March 2012), Layne will re-assemble drill string, weld additional casing, and continue drilling DDC-05.
- Verizon installed phone line and IP address for treatment system auto-dialer. Phone line coiled near SCWA southern fence line. Line will be extended to treatment systems once installed.
- No concerns/complaints from residences were documented.
- Offsite at 17:00.

Report No.: 58	EA Project File:	1447429	Date: N	larch 20, 2012				
VISITORS TO SITE:								
NAME	Representing	Entered	Exclusio	n/CRZ Zone				
None		Yes ()		No ( )				
PROJECT SCHEDULE:								
DDC well installation (16 January – 1	8 April 2012).							
• Replace DDC-06 piezometers (02 – 06 April 2012).								
• Develop DDC wells (16 April – 04 April 2012).								
DDC treatment system mobilization (02 April 2012).								
ISSUES PENDING:								
None								
ITEMS OF CONCERN:								
None								

Site Representative:

Robert Peterson

Date: 20 March 2012

Robert Peterson



Layne removing outer casing at DDC-08.

Report No .:	59	<u>EA P</u>	roject File:	1447	429	Date: M	arch 2	<u>21, 2012</u>	
EA Engineering, P.	С.		Contraction of the second seco	R	Site No. 1	-52-140			
6712 Brooklawn Pa	arkway, Suite 104					PM: AECOM -	Walter	·Howard	
Syracuse, NY 1321	1-2158		it and it		NYSDEC PM	I: Jeffrey Dy	ber		
NYSDEC Division of					Constructio	n Manager: A	ECOM	- Kent Wagoi	ner
Site Location: Alba	ny St., Babylon, N	Y (Site	e No. 1-52-140)		Air Monitori	ng: AECOM			
					Health & Sa	fety: AECOM			
	Weather Co	nditio	ns						
General Description	Overcast	am	Partly Cloudy	Pm					
Temperature	50	am	57	Pm					
Wind Direction	2-3 mph E	am	2-3 mph E	Pm					
	1.	_							
<u>HEALTH &amp; SAFETY</u> (*If any box(s) below		list the	e deviation under th	he "Items	s for Concer	n" section o	f this ı	report).	
Were there any cha	anges to the Health	ı & Sat	fety Plan?	*Yes	() N	o (X)	NA	()	
-	•		-	*Yes		o (X)	NA		
Were there any exc action level reporte	-	ennet		163	()	0 (X)	NA.	()	
Were there any dus	st/odor issues repo	orted o	r						
observed on this da				*Yes	() N	o (X)	NA	()	
WASTE HAULING:									
(*If any box(s) below	are checked "Yes",	list the	e deviation under th	he "Items	s for Concer	n" section o	f this r	eport).	
Were there any veh		display	/ proper D.O.T.	*Yes	() N	o (X)	NA	()	
numbers and placa	rds?								
Were there any veh	icles which were r	not tar	ped?	*Yes	() N	o (X)	NA	()	
Materials Remove Disposal Facility: 1									
Total Loads (on this dat	te): 1	y							
Total Loads (to date): 3 Total Estimated Daily W	/eight (tons): 20								
Total Approximate* Wei	ight (tons): 60								
	diverse descriptions the state								

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

	Report No.:	59	EA Project File:	1447429	Date: March 21, 2012
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#### 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 DDC-05 drill rig 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.
- Layne demobilized drilling equipment at DDC-08 and mobilized to DDC-07 (RAWP Figure 1 Off-site DDC System Plan). DDC-08 man-way was temporarily sealed with timber and asphalt. Permanent DDC vault man-way covers will be installed once well installation is complete. AECOM and Layne installed traffic controls and poly-lined fencing around DDC-07 exclusion zone. Section of sidewalk along drill rig (southern edge of Benjoe Dr.) was closed for pedestrian safety. Poly was also placed under drill rig to prevent contamination of ground surface from drill rig fluids. Tomorrow (22 March 2012), Layne will begin outer casing installation and drilling at DDC-07.
- Layne cleared DDC-05 borehole to 64-ft below ground surface (bgs) using air lifting methods. All sand and groundwater was discharged to a poly lined roll-off. Groundwater was pumped to a weir tank for collection and settling. Water will be returned as makeup water to the well. Tomorrow (22 March 2012), Layne will advance DDC-05 boring using air lifting methods.
- Aarco Environmental delivered a roll-off to DDC-07 and transported DDC-08 roll-off to 110 Sand Company, Melville, NY for disposal. 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.
- Offsite at 16:30.

VISITORS TO SITE:						
NAME	Representing	Entered Exclu	usion/CRZ Zone			
None		Yes ()	No ( )			
PROJECT SCHEDULE:						
DDC well installation (16 Janu	ary – 18 April 2012).					
• Replace DDC-06 piezometers (02 – 06 April 2012).						
• Develop DDC wells (16 April – 04 April 2012).						
DDC treatment system mobilization (02 April 2012).						
ISSUES PENDING:						

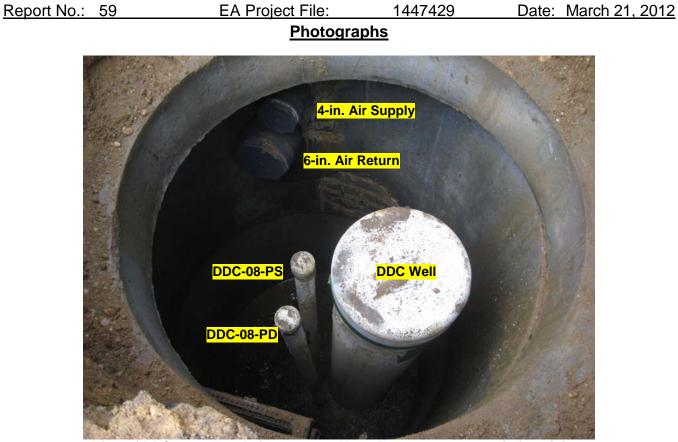
None

Report No.: 59	EA Project File:	1447429	Date: March 21, 2012
ITEMS OF CONCERN:			
None			

Site Representative:

Date: 21 March 2012

**Robert Peterson** Robert Peterson



View of DDC-08 well and piezometers. Note: Treatment system air line piping.



Timber used to seal DDC-08 man-way.



View of temporary asphalt patch over DDC-08 vault man-way.



View of DDC-07 vault. Note: Treatment system air line piping.



View of drill rig and traffic controls at DDC-07, looking west.



View of roll-off and traffic controls at DDC-07, looking east.

Report No .:	60	EA P	roject File:	1447	429	Date: N	/larch 2	<u>22, 2012</u>	
EA Engineering, P.	С.		- and the second	<b>—</b> @	Site No.	1-52-140			
6712 Brooklawn Pa	arkway, Suite 104						_ Walto	r Howard	
Syracuse, NY 1321	<b>9</b> ·					M: Jeffrey D		Tioward	
NYSDEC Division of		Domod	iation			-	-	- Kent Wagoner	
Site Location: Alba						ring: AECON		- Kent Wagoner	
		·	,			afety: AECO			
	Maathar Ca	n diti a							
	Weather Co	Παιτιο	ns						
General Description	Overcast	am	Sunny	Pm					
Temperature	58	am	65	Pm					
Wind Direction	5-7 mph SW	am	7-8 mph SW	Pm					
HEALTH & SAFET	/.								
(*If any box(s) below		list the	e deviation under t	he "Items	s for Conce	ern" section	of this l	report).	
Wara thata any aka	nace to the Uselth		at Dlan?	*Yes	()	No (X)	ΝΔ	()	
Were there any cha	inges to the meant	1 & Sai	ety Plan?	163	()	NO (X)	NA.	()	
Were there any exc	•	erimet	er Air:	*Yes	()	No (X)	NA	()	
action level reporte	a on this date?								
Were there any dus	•	orted o	r	*Yes	()		ΝΑ	()	
observed on this da	ate?			Tes	()	No (X)	NA	()	
WASTE HAULING:									
(*If any box(s) below	vare checked "Yes",	list the	e deviation under t	he "Items	s for Conce	ern" section	of this i	report).	
Were there any veh		display	/ proper D.O.T.	*Yes	()	No ()	NA	(X)	
numbers and placa	rds?								
Were there any veh	icles which were r	not tar	ped?	*Yes	()	No ()	NA	(X)	
Materials Remove	ed From Site:								
Disposal Facility: 1		y							
Total Loads (on this dat Total Loads (to date): 3	•								
Total Estimated Daily W Total Approximate* Wei									
	J (								
*Actual (total weight) ar	diusted periodically ba	sed on							

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

	Report No.: 60	EA Project File:	1447429	Date: March 22, 2012
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#### 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 maintained 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-07 exclusion zone.
- Layne began drilling DDC-07 (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 85.1 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 45<sup>th</sup> 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 makeup water will be returned to DDC-06 well. 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 cleared DDC-05 borehole to 83 ft bgs via steel bailer. Wasatch confirmed Gardiners Clay unit at 83 ft bgs. All sand and groundwater was discharged to a poly lined roll-off. Groundwater was pumped to a weir tank for collection and settling. Water will be returned as makeup water to the well. Tomorrow (23 March 2012), Layne will begin DDC-05 well construction.
- No concerns/complaints from residences were documented.
- Offsite at 15:30.

NAMERepresentingEntered Exclusion/CRZ ZoneJim HaywardEAYes (X)No ( )Mike ValvoEAYes (X)No ( )	VISITORS TO SITE:				
	NAME	Representing	Entered Exclu	usion/CRZ Zone	
Mike ValvoEAYes (X)No ( )	Jim Hayward	EA	Yes (X)	No ( )	
	Mike Valvo	EA	Yes (X)	No ( )	

### **PROJECT SCHEDULE:**

- DDC well installation (16 January 18 April 2012).
- Replace DDC-06 piezometers (02 06 April 2012).
- Develop DDC wells (16 April 04 April 2012).
- DDC treatment system mobilization (02 April 2012).

Report No.: 60	EA Project File:	1447429	Date: March 22, 2012
ISSUES PENDING:			
None			
ITEMS OF CONCERN:			
None			

Site Representative:

Robert Peterson

Date: 22 March 2012

Robert Peterson

Layne welding additional section of casing at DDC-07.



View of drill rig and support truck at DDC-07, looking west. Note: Traffic controls.



View of Layne bailing sediment from DDC-05 borehole.

Report No .:	61	EA P	roject File:	1447	429	Date: N	March 2	<u>23, 2012</u>	
EA Engineering, P.	С.			<b>—</b> @	Site No.	1-52-140			
6712 Brooklawn Pa	arkway, Suite 104					PM: AECOM	_ Walto	r Howard	
Syracuse, NY 1321	1-2158					M: Jeffrey D		Tioward	
NYSDEC Division of		Domod	iation			-	-	- Kent Wagone	ər
Site Location: Alba						ring: AECON		- Nent Wagone	21
		·	,			afety: AECO			
	Weether Ce	n diti a				,,			
	Weather Co	Παιτιο	ns						
General Description	Overcast	am	Sunny	Pm					
Temperature	58	am	65	Pm					
Wind Direction	5-7 mph SW	am	7-8 mph SW	Pm					
HEALTH & SAFET	4.								
(*If any box(s) below		list the	e deviation under t	he "Items	s for Conce	rn" section	of this	report).	
Wara thata any aha	nace to the Uselth		at Dlan?	*Yes	()	No (X)	ΝΔ	()	
Were there any cha	anges to the meantr	1 & Sai	ety Plan?	163	()	NO (A)	INA	()	
Were there any exc	•	erimet	er Air:	*Yes	()	No (X)	NA	()	
action level reporte	on this date?								
Were there any dus	•	orted o	r	*Yes	()			()	
observed on this da	ate ?			162	()	No (X)	INA	()	
WASTE HAULING:									
(*If any box(s) below	vare checked "Yes",	list the	e deviation under t	he "Items	s for Conce	rn" section	of this i	report).	
Were there any veh		display	/ proper D.O.T.	*Yes	() I	No ()	NA	(X)	
numbers and placa	irds?								
Were there any veh	icles which were r	not tar	ped?	*Yes	() I	No ()	NA	(X)	
Materials Remove	ed From Site:								
Disposal Facility: 1		y							
Total Loads (on this dat Total Loads (to date): 3									
Total Estimated Daily W Total Approximate* Wei									
	J (								
*Actual (total weight) ar	diusted periodically ba	sed on							

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

F	Report No.: 61	EA Project File:	1447429	Date: March 23, 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) 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 maintained 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-07 exclusion zone.
- Layne began drilling DDC-07 (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 50 ft below ground surface (bgs) (Gardiners Clay estimated at 85.1-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 45<sup>th</sup> 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 makeup water will be returned to DDC-06 well. 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 prefabricated DDC-05 well screens and riser. Monday (26 March 2012), Layne will begin installing DDC-05 well.
- No concerns/complaints from residences were documented.
- Offsite at 12:00.

### VISITORS TO SITE:

VISITURS TO SITE:				
NAME	Representing	Entered Exclu	usion/CRZ Zone	
None		Yes ()	No ( )	
PROJECT SCHEDULE:				
DDC well installation (16 Janua	ry – 18 April 2012).			
• Replace DDC-06 piezometers ((	02 – 06 April 2012).			
Develop DDC wells (16 April – (	)4 April 2012).			
DDC treatment system mobilization	ation (02 April 2012).			
ISSUES PENDING:				
None				
ITEMS OF CONCERN:				
None				
Site Representative:	Robert Peterson			

Date: 23 March 2012

Robert Peterson

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