

DAILY OBSERVATION REPORT

Day: Monday Date: 8/10/2009



NYSDEC

Temperature: (F) 74 (am) 89 (pm)

Wind Direction: W/NW (am) W/SW (pm)

Weather: (am) sunny, hot, humid

(pm) sunny, hot, humid

Project Name

National Heatset

NYSDEC Site # 1-52-140

Contract # D-005539

Arrive at site 645 (am)

Farmingdale, New York

Leave site: 1700 (pm)

HEALTH & SAFETY:

Are there any changes to the Health & Safety Plan?
(If yes, list the deviation under items for concern)

Yes () No (X)

Are monitoring results at acceptable levels?

Soil

Yes () n/a (X) * No ()

Waters

Yes () n/a (X) * No ()

Air

Yes (X) n/a () * No ()

- If No, provide comments

OTHER ITEMS:

Site Sketch Attached: Yes () No (X)

Photos Taken: Yes (X) No ()

DESCRIPTION OF DAILY WORK PERFORMED:

Met AECOM and Layne Christensen Company (Layne) onsite at 7:00am. Layne set up initial water supply piping equipment and completed manhole excavation. AECOM provided air monitoring. Wasatch onsite. Layne installed 48 inch steel casing to 9.5 feet bgs (total casing length 12 feet). Set up Winterweiss over manhole in preparation for well drilling. Discuss well construction and preparation with AECOM.

No samples collected.

PROJECT TOTALS:

SAMPLING (Soil/Water/Air)

Contractor Sample ID:

DEC Sample ID:

Description:

No samples collected.

N/A

N/A

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

(Name of contractor) personnel: Danielle Best (EA, representing NYSDEC)

(Name of Subcontractor) personnel: Walter Howard; Mike Hewitt (AECOM)

(Name of contractor) equipment: Winterweiss Portadrill*; Series 2 Sitemaster Backhoe 214S*

(*Indicates active equipment)

Other Subcontractors: Kevin Uffman; Jason Finger (Layne Christensen Company)

VISITORS TO SITE:

1. Brian Butler (Layne Christensen Company)
2. Steve Wilhelm (formerly of Wasatch)

PROJECT SCHEDULE ISSUES:

- N/A

PROJECT BUDGET ISSUES:

- N/A

ITEMS OF CONCERN:

- Afternoon primarily concerned with remobilizing the drill rig over the manhole casing, which is 30 inches above ground surface, and at a height typically higher than the drill deck. Safely removed; M. Hewitt acting as SSO.
- Drilling predicted to begin Wednesday 8/12/2009; development would then take place Monday, 8/17/2009.
- AECOM/Layne needs to order 12 inch PVC for above top screen to well head; also requires 10 inch to 12 inch reducer coupling – may not be able to get the reducer in time; drilling could potentially be postponed
- Additional air monitoring equipment, <MIE DR-4000>, should be onsite 8/11/2009
- Top screen will require an isolated development from bottom screen; Layne should have piping and seal which were used to develop DDC-1.

COMMENTS:

- Dumpsters should be delivered night of 8/10/2009

ATTACHMENT(S) TO THIS REPORT:

SITE REPRESENTATIVE:

Name: Danielle Best

cc:

DAILY PHOTOLOG

1. Installation of steel 48 inch diameter Manhole 4 casing.



2. Set manhole 4 casing



DAILY OBSERVATION REPORT

Day: Tuesday Date: 8/11/2009



NYSDEC

Temperature: (F) 76 (am) 88 (pm)

Wind Direction: NW (am) W/NW (pm)

Weather: (am) partly cloudy, hot
(pm) sunny, partly cloudy, hot

Project Name

National Heatset

NYSDEC Site # 1-52-140

Contract # D-005539

Arrive at site 700 (am)

Farmingdale, New York

Leave site: 1600 (pm)

HEALTH & SAFETY:

Are there any changes to the Health & Safety Plan?
(If yes, list the deviation under items for concern)

Yes () No (X)

Are monitoring results at acceptable levels?

Soil

Yes () n/a (X) * No ()

Waters

Yes () n/a (X) * No ()

Air

Yes (X) n/a () * No ()

- If No, provide comments

OTHER ITEMS:

Site Sketch Attached: Yes () No (X)

Photos Taken: Yes (X) No ()

DESCRIPTION OF DAILY WORK PERFORMED:

Met AECOM and Layne Christensen Company onsite at 7:00am. Layne fabricated water trough and piping for drilling set-up; reorganized supplies and equipment onsite. Second and third 48" steel casings delivered onsite. Roll-off Dumpster delivered onsite. 10,000 gal Frac Tank delivered onsite. Air monitoring equipment, <MIE DR-4000>, delivered onsite. Discussion on well design, whether to use stainless steel reducer or PVC coupling and bushing to transition from 10" to 12" PVC. Final verdict: PVC coupling and bushing design will be utilized.

No samples collected.

PROJECT TOTALS:

SAMPLING (Soil/Water/Air)

Contractor Sample ID:

DEC Sample ID:

Description:

No samples collected.	N/A	N/A

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

(Name of contractor) personnel: Danielle Best (EA, representing NYSDEC)

(Name of Subcontractor) personnel: Mike Huitt (AECOM); Steve Wilhelm (AECOM/Wasatch)

(Name of contractor) equipment: Winterweiss Portadrill; Series 2 Sitemaster Backhoe 214S*

(*Indicates active equipment)

Other Subcontractors: Kevin Uffman; Jason Finger; David Santiago (Layne Christensen Company)

VISITORS TO SITE:

1. Brian Butler (Layne Christensen Company)

PROJECT SCHEDULE ISSUES:

- N/A

PROJECT BUDGET ISSUES:

- N/A

ITEMS OF CONCERN:

- N/A

COMMENTS:

- N/A

ATTACHMENT(S) TO THIS REPORT:

SITE REPRESENTATIVE:

Name: Danielle Best
cc:

DAILY PHOTOLOG

1. Modified drill rig set-up over installed manhole casing; poly sheeting set down; safety fencing.



DAILY OBSERVATION REPORT

Day: Wednesday Date: 8/12/2009



NYSDEC

Temperature: (F) 76 (am) 73 (pm)

Wind Direction: ENE (am) ESE (pm)

Weather: (am) partly cloudy
(pm) partly cloudy, light rain

Project Name

National Heatset

NYSDEC Site # 1-52-140

Contract # D-005539

Farmingdale, New York

Arrive at site 700 (am)

Leave site: 1630 (pm)

HEALTH & SAFETY:

Are there any changes to the Health & Safety Plan?
(If yes, list the deviation under items for concern)

Yes () No (X)

Are monitoring results at acceptable levels?

Soil

Yes () n/a (X) * No ()

Waters

Yes () n/a (X) * No ()

Air

Yes (X) n/a () * No ()

- If No, provide comments

OTHER ITEMS:

Site Sketch Attached: Yes () No (X)

Photos Taken: Yes (X) No ()

DESCRIPTION OF DAILY WORK PERFORMED:

Met AECOM and Layne Christensen Company onsite at 7:00am. Layne in process of rearranging site layout. Layne provides coupling and bushing prototype and AECOM confirms layout. Drill mast is raised. AECOM performs sand testing on stainless steel 20 hole screening. DDC-4 is laid out on asphalt and measured for as-built: From bottom slot to top slot is 65' 11". Layne and AECOM confirm the top screen will be installed at current static (springtime average). Modify road crossing after minor damage by Eagle Box Co. delivery truck; no damage to equipment other than a broken flange for water piping. Continue mobilization, should be able to drill Thursday morning.

No samples collected.

PROJECT TOTALS:

SAMPLING (Soil/Water/Air)

Contractor Sample ID:

DEC Sample ID:

Description:

No samples collected.

N/A

N/A

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

(Name of contractor) personnel: Danielle Best (EA, representing NYSDEC)

(Name of Subcontractor) personnel: Mike Huitt (AECOM); Steve Wilhelm (AECOM/Wasatch)

(Name of contractor) equipment: Winterweiss Portadrill*; Series 2 Sitemaster Backhoe 214S*

(*Indicates active equipment)

Other Subcontractors: Kevin Uffman; David Santiago (Layne Christensen Company)

VISITORS TO SITE:

1. Brian Butler (Layne Christensen Company)
2. Scott Tierney (Layne Christensen Company)

DAILY OBSERVATION REPORT

Day: Wednesday Date: 8/12/2009

PROJECT SCHEDULE ISSUES:

- N/A

PROJECT BUDGET ISSUES:

- N/A

ITEMS OF CONCERN:

- AECOM Workplan states ABI Mobilram and VDW drill will be used during drilling; however Winterweiss portadrill and 24" drag bit currently planned for utilization. Requested and received Amendment to Work Plan from AECOM.

COMMENTS:

- During sand pack testing: Approximately only 1% by volume is fines; typically this should be 10%. Steve Wilhelm, who has extensive experience with DDC wells and was onsite for installation of DDC-1 knows the aquifer in Farmingdale is pristine and primarily coarse sands with little fines. He states the sand pack provided should be fine for our geological location.

ATTACHMENT(S) TO THIS REPORT:

SITE REPRESENTATIVE:

Name: Danielle Best

cc:

DAILY PHOTOLOG

1. Front site setup.



2. Repaired road crossing.



DAILY OBSERVATION REPORT

Day: Thursday Date: 8/13/2009



NYSDEC

Temperature: (F) 72 (am) 76 (pm)

Wind Direction: NE (am) NE (pm)

Weather: (am) cloudy, breezy
(pm) cloudy, breezy

Project Name

National Heatset

NYSDEC Site # 1-52-140

Contract # D-005539

Arrive at site 700 (am)

Farmingdale, New York

Leave site: 1600 (pm)

HEALTH & SAFETY:

Are there any changes to the Health & Safety Plan?
(If yes, list the deviation under items for concern)

Yes () No (X)

Are monitoring results at acceptable levels?

Soil

Yes () n/a (X) * No ()

Waters

Yes () n/a (X) * No ()

Air

Yes (X) n/a () * No ()

- If No, provide comments

OTHER ITEMS:

Site Sketch Attached: Yes () No (X)

Photos Taken: Yes (X) No ()

DESCRIPTION OF DAILY WORK PERFORMED:

Met AECOM and Layne onsite at 7:00am. Layne decided to hold off on intrusive (drilling) activities so late in the week. Frac tank removed from site and replaced with a larger volume tank. Water supply line broken down and re-set up to assist in transportation. W. Howard arrives onsite 9:00 am. Layne and AECOM review setup plan for DDC-2. Location proximity to power lines may pose a problem. Revised well diagrams incorporating coupling and bushing provided by Layne. Jeff Dyber (NYSDEC) onsite at 13:50.

No samples collected.

PROJECT TOTALS:

SAMPLING (Soil/Water/Air)

Contractor Sample ID:

DEC Sample ID:

Description:

No samples collected.

N/A

N/A

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

(Name of contractor) personnel: Danielle Best (EA, representing NYSDEC); Jeff Dyber (NYSDEC)

(Name of Subcontractor) personnel: Mike Huitt (AECOM); Steve Wilhelm (AECOM/Wasatch); Walter Howard (AECOM)

(Name of contractor) equipment: Winterweiss Portadrill; Series 2 Sitemaster Backhoe 214S

(*Indicates active equipment)

Other Subcontractors: Kevin Uffman; David Santiago (Layne Christensen Company)

DAILY OBSERVATION REPORT

Day: Thursday Date: 8/13/2009

VISITORS TO SITE:

1. Jeff Dyber (NYSDEC)
2. Brian Butler (Layne Christensen Company)
3. Scott Tierney (Layne Christensen Company)
4. Kevin Mussbaum (Layne Christensen Company)

PROJECT SCHEDULE ISSUES:

- Unable to drill until Monday, 8/17/09. Frac tank to be replaced with a larger volume tank; Layne unwilling to begin drilling so late in the week.

PROJECT BUDGET ISSUES:

- N/A

ITEMS OF CONCERN:

- DDC-2 location may become a concern due to location in front of Eagle Box Co. bays as well as proximity to electrical lines.

COMMENTS:

- N/A

ATTACHMENT(S) TO THIS REPORT:

SITE REPRESENTATIVE:

Name: Danielle Best

cc:

DAILY PHOTOLOG

N/A

DAILY OBSERVATION REPORT

Day: Friday Date: 8/14/2009



NYSDEC

Temperature: (F) 73 (am) 79 (pm)

Wind Direction: Calm (am) SW (pm)

Weather: (am) partly cloudy

(pm) partly cloudy

Project Name

National Heatset

NYSDEC Site # 1-52-140

Contract # D-005539

Arrive at site 700 (am)

Farmingdale, New York

Leave site: 1400 (pm)

HEALTH & SAFETY:

Are there any changes to the Health & Safety Plan?
(If yes, list the deviation under items for concern)

Yes () No (X)

Are monitoring results at acceptable levels?

Soil

Yes () n/a (X) * No ()

Waters

Yes () n/a (X) * No ()

Air

Yes (X) n/a () * No ()

- If No, provide comments

OTHER ITEMS:

Site Sketch Attached: Yes () No (X)

Photos Taken: Yes (X) No ()

DESCRIPTION OF DAILY WORK PERFORMED:

Met AECOM and Layne onsite at 7:00am. Large frac tank delivered onsite; 20,000 gal to replace 8,500 gal tank. Jeff Dyber (NYSDEC) onsite at 08:00. Leo Orellana (Finklestein Realty) onsite 10:00, representing property owners. Requests that property owners and all major entities be added to AECOM's insurance policy. Water piping setup completed and run pump test. Piping and trough system works, pump clogged with large cobbles. Shut down water supply and clear the jam. Rig ready for drilling Monday morning 8/17/09.

No samples collected.

PROJECT TOTALS:

SAMPLING (Soil/Water/Air)

Contractor Sample ID:

DEC Sample ID:

Description:

No samples collected.

N/A

N/A

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

(Name of contractor) personnel: Danielle Best (EA, representing NYSDEC);

(Name of Subcontractor) personnel: Mike Huitt (AECOM); Steve Wilhelm (AECOM/Wasatch);

(Name of contractor) equipment: Winterweiss Portadrill*; Series 2 Sitemaster Backhoe 214S*

(*Indicates active equipment)

Other Subcontractors: Kevin Uffman; David Santiago (Layne Christensen Company)

VISITORS TO SITE:

DAILY OBSERVATION REPORT

Day: Friday Date: 8/14/2009

1. Jeff Dyber (NYSDEC)
2. Brian Butler (Layne Christensen Company)
3. Leo Orellana (Finklestein Realty)

PROJECT SCHEDULE ISSUES:

- Unable to drill until Monday, 8/17/09.

PROJECT BUDGET ISSUES:

- N/A

ITEMS OF CONCERN:

- N/A

COMMENTS:

- N/A

ATTACHMENT(S) TO THIS REPORT:

SITE REPRESENTATIVE:

Name: Danielle Best

cc:

DAILY PHOTOLOG

N/A

DAILY OBSERVATION REPORT

Day: Monday Date: 8/17/2009



NYSDEC

Temperature: (F) 81 (am) 87 (pm)

Wind Direction: Calm (am) SW (pm)

Weather: (am) sunny

(pm) sunny

Project Name

National Heatset

NYSDEC Site # 1-52-140

Contract # D-005539

Arrive at site 700 (am)

Farmingdale, New York

Leave site: 1745 (pm)

HEALTH & SAFETY:

Are there any changes to the Health & Safety Plan?
(If yes, list the deviation under items for concern)

Yes () No (X)

Are monitoring results at acceptable levels?

Soil

Yes () n/a (X) * No ()

Waters

Yes () n/a (X) * No ()

Air

Yes (X) n/a () * No ()

- If No, provide comments

OTHER ITEMS:

Site Sketch Attached: Yes () No (X)

Photos Taken: Yes (X) No ()

DESCRIPTION OF DAILY WORK PERFORMED:

Met AECOM and Layne onsite at 7:00am. Initiate drilling activities; however at 10:00 discover hose leading to water trough has internally collapsed. Break until 13:30 while Layne orders new hose. Re-attach hosing and initiate drilling at 14:45. Drill until 16:50 to depth 52.5 feet bgs. Monitor water levels for an hour until stable.

One sample collected from DDC-4 at approximately 20 feet bgs as representative of upper screen. Coarse grained, poorly graded sand with pebbles.

PROJECT TOTALS:

SAMPLING (Soil/Water/Air)

Contractor Sample ID:

DEC Sample ID:

Description:

DDC-4-1

N/A

Coarse, poorly graded sand w/ pebbles. 20ft. bgs.

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

(Name of contractor) personnel: Danielle Best (EA, representing NYSDEC);

(Name of Subcontractor) personnel: Mike Huitt (AECOM); Steve Wilhelm (AECOM/Wasatch);

(Name of contractor) equipment: Winterweiss Portadrill*; Series 2 Sitemaster Backhoe 214S*

(*Indicates active equipment)

Other Subcontractors: Kevin Uffman; Jason Finger (Layne Christensen Company)

VISITORS TO SITE:

1. Jeff Dyber (NYSDEC)
2. Brian Butler (Layne Christensen Company)

DAILY OBSERVATION REPORT

Day: Monday Date: 8/17/2009

PROJECT SCHEDULE ISSUES:

- Could not drill until afternoon due to necessary hose replacement.

PROJECT BUDGET ISSUES:

- N/A

ITEMS OF CONCERN:

- N/A

COMMENTS:

- Well taking water at approximately 35gpm.

ATTACHMENT(S) TO THIS REPORT:

SITE REPRESENTATIVE:

Name: Danielle Best

cc:

DAILY PHOTOLOG

1. Section of collapsed hosing.



2. Drill Rig, water trough, and dumpster setup



3. Water trough.



4. Back-site staging area



DAILY OBSERVATION REPORT**Day: Tuesday Date: 8/18/2009**

NYSDEC

Temperature: (F) 81 (am) 85 (pm)

Wind Direction: SW (am) SSW (pm)

Weather: (am) sunny
(pm) sunny**Project Name**

National Heatset

NYSDEC Site # 1-52-140**Contract # D-005539**

Arrive at site 700 (am)

Farmingdale, New York

Leave site: 1530 (pm)

HEALTH & SAFETY:Are there any changes to the Health & Safety Plan?
(If yes, list the deviation under items for concern)

Yes () No (X)

Are monitoring results at acceptable levels?

Soil

Yes () n/a (X) * No ()

Waters

Yes () n/a (X) * No ()

Air

Yes (X) n/a () * No ()

- If No, provide comments

OTHER ITEMS:

Site Sketch Attached: Yes () No (X)

Photos Taken: Yes (X) No ()

DESCRIPTION OF DAILY WORK PERFORMED:

Met AECOM and Layne onsite at 7:00am. Continue drilling activities. Reach Gardner Clay layer at 80ft bgs around 10:00. Continue drilling until well depth is 83.5ft bgs then remove drill casing. Transfer cuttings from water trough to dumpster and sump out water back to trough. Prepare well casing for installation; attach bottom screen stabilizers and piezometer bracket. Clamp and suspend bottom screen and first 10ft of PVC casing for installation the next day.

Three samples collected: fine sand layer (59-61ft), lower screen interval, and clay layer.

PROJECT TOTALS:**SAMPLING (Soil/Water/Air)****Contractor Sample ID:****DEC Sample ID:****Description:**

DDC-4-2

N/A

Medium to fine grained, poorly sorted sand. 59-61ft bgs

DDC-4-3

N/A

Coarse grained sand and gravel. 76ft bgs

DDC-4-4

N/A

Gardner clay layer. 80ft bgs

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:*(Name of contractor) personnel:* Danielle Best (EA, representing NYSDEC);*(Name of Subcontractor) personnel:* Mike Huitt (AECOM); Steve Wilhelm (AECOM/Wasatch);*(Name of contractor) equipment:* Winterweiss Portadrill*; Series 2 Sitemaster Backhoe 214S**(*Indicates active equipment)**Other Subcontractors:* Kevin Uffman; Jason Finger (Layne Christensen Company)**VISITORS TO SITE:**

1. Brian Butler (Layne Christensen Company)

DAILY OBSERVATION REPORT

Day: Tuesday Date: 8/18/2009

PROJECT SCHEDULE ISSUES:

- N/A

PROJECT BUDGET ISSUES:

- N/A

ITEMS OF CONCERN:

- N/A

COMMENTS:

- S. Wilhelm revised his well installation "as-built" drawing after taking precise measurements of the various sections of well casing.

ATTACHMENT(S) TO THIS REPORT:

SITE REPRESENTATIVE:

Name: Danielle Best

cc:

DAILY PHOTOLOG

1. Cuttings debris in water trough.



2. Sump to remove water from dumpster



3. Preparation of DDC-4 bottom screening; bracket and stabilizers.



DAILY OBSERVATION REPORT

Day: Wednesday Date: 8/19/2009



NYSDEC

Temperature: (F) 77 (am) 89 (pm)

Wind Direction: WSW (am) W (pm)

Weather: (am) partly cloudy
(pm) sunny

Project Name

National Heatset

NYSDEC Site # 1-52-140

Contract # D-005539

Farmingdale, New York

Arrive at site 700 (am)

Leave site: 1530 (pm)

HEALTH & SAFETY:

Are there any changes to the Health & Safety Plan?
(If yes, list the deviation under items for concern)

Yes () No (X)

Are monitoring results at acceptable levels?

Soil

Yes () n/a (X) * No ()

Waters

Yes () n/a (X) * No ()

Air

Yes (X) n/a () * No ()

- If No, provide comments

OTHER ITEMS:

Site Sketch Attached: Yes () No (X)

Photos Taken: Yes (X) No ()

DESCRIPTION OF DAILY WORK PERFORMED:

Met AECOM and Layne onsite at 7:00am. Began well casing installation activities. Install full casing, including pizeometers by 11:00. Install sandpack and betonite seals in well annulus under supervision by Steve Wilhelm. He will provide as built drawing to AECOM who will forward to NYSDEC and EA. Development of DDC-4 to begin on following day.

No samples collected.

PROJECT TOTALS:

SAMPLING (Soil/Water/Air)

Contractor Sample ID:

DEC Sample ID:

Description:

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

(Name of contractor) personnel: Danielle Best (EA, representing NYSDEC);

(Name of Subcontractor) personnel: Mike Huitt (AECOM); Steve Wilhelm (AECOM/Wasatch);

(Name of contractor) equipment: Winterweiss Portadrill*; Series 2 Sitemaster Backhoe 214S*

*(*Indicates active equipment)*

Other Subcontractors: Kevin Uffman; Jason Finger (Layne Christensen Company)

VISITORS TO SITE:

1. Brian Butler (Layne Christensen Company)

DAILY OBSERVATION REPORT

Day: Wednesday Date: 8/19/2009

PROJECT SCHEDULE ISSUES:

- N/A

PROJECT BUDGET ISSUES:

- N/A

ITEMS OF CONCERN:

- N/A

COMMENTS:

- S. Wilhelm states larger manhole coverings will be required to finish the wells, the current covers are 24 inches and will not have enough atmospheric headspace or space for air supply piping. Layne will work with AECOM to remedy.

ATTACHMENT(S) TO THIS REPORT:

SITE REPRESENTATIVE:

Name: Danielle Best

cc:

DAILY PHOTOLOG

1. Section of lower well screening and piezometer.



2. Top 12 inch well casing and piezometer



DAILY OBSERVATION REPORT

Day: Thursday Date: 8/20/2009



NYSDEC

Temperature: (F) 81 (am) 84 (pm)

Wind Direction: S (am) SSW (pm)

Weather: (am) sunny
(pm) sunny

Project Name

National Heatset

NYSDEC Site # 1-52-140

Contract # D-005539

Arrive at site 700 (am)

Farmingdale, New York

Leave site: 1600 (pm)

HEALTH & SAFETY:

Are there any changes to the Health & Safety Plan?
(If yes, list the deviation under items for concern)

Yes () No (X)

Are monitoring results at acceptable levels?

Soil

Yes () n/a (X) * No ()

Waters

Yes () n/a (X) * No ()

Air

Yes (X) n/a () * No ()

- If No, provide comments

OTHER ITEMS:

Site Sketch Attached: Yes () No (X)

Photos Taken: Yes (X) No ()

DESCRIPTION OF DAILY WORK PERFORMED:

Met AECOM and Layne onsite at 7:00am. Breakdown water piping and attach hose and sump to frac tank. Begin development of lower screen at 13:00. Eductor assembly laid out for measurement and incorporation to "as-builts". Bottom screen satisfactorily developed at 15:30. A total volume of 19,500 gallons removed from the well during development. Ray Zaun from Grey Electric onsite to dig holes for electricity poles. AECOM requested Grey Electric hold off until DDC-3 can be drilled and installed. Grey Electric will return to site to cut tree boughs instead.

No samples collected.

PROJECT TOTALS:

SAMPLING (Soil/Water/Air)

Contractor Sample ID:

DEC Sample ID:

Description:

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

(Name of contractor) personnel: Danielle Best (EA, representing NYSDEC);

(Name of Subcontractor) personnel: Mike Huitt (AECOM); Steve Wilhelm (AECOM/Wasatch);

(Name of contractor) equipment: Winterweiss Portadrill*; Series 2 Sitemaster Backhoe 214S*

*(*Indicates active equipment)*

Other Subcontractors: Kevin Uffman; Kevin Mussbaum (Layne Christensen Company)

VISITORS TO SITE:

1. Brian Butler (Layne Christensen Company)
2. Ray Zaun (Grey Electric) (631) 842-0200

DAILY OBSERVATION REPORT

Day: Thursday Date: 8/20/2009

PROJECT SCHEDULE ISSUES:

- N/A

PROJECT BUDGET ISSUES:

- N/A

ITEMS OF CONCERN:

- Will need to monitor all development for levels of silt that are being purged. S. Wilhelm concerned the level of silt being purged, if left in the lower sand pack, would clog the sand filter at the upper screen. However; after calculations he decided there was not enough velocity to carry the particles all the way to the top.
- Due to suspended clay and silt in the purge water, AECOM will have to order smaller micron-filters to remove debris from water which may clog the well during operation.

COMMENTS:

- N/A

ATTACHMENT(S) TO THIS REPORT:

SITE REPRESENTATIVE:

Name: Danielle Best

cc:

DAILY PHOTOLOG

1. Eductor piping layout, missing two lower 10ft, 6 inch PVC sections.



2. Surge process rig assembly.



DAILY OBSERVATION REPORT

Day: Friday Date: 8/21/2009



NYSDEC

Temperature: (F) 75 (am) 82 (pm)

Wind Direction: NNE (am) SW (pm)

Weather: (am) sunny
(pm) sunny, partly cloudy

Project Name

National Heatset
NYSDEC Site # 1-52-140

Contract # D-005539
Farmingdale, New York

Arrive at site 700 (am)
Leave site: 1530 (pm)

HEALTH & SAFETY:

Are there any changes to the Health & Safety Plan? Yes () No (X)
(If yes, list the deviation under items for concern)

Are monitoring results at acceptable levels?	Soil	Yes ()	n/a (X)	* No ()
	Waters	Yes ()	n/a (X)	* No ()
	Air	Yes (X)	n/a ()	* No ()

- If No, provide comments

OTHER ITEMS:

Site Sketch Attached: Yes () No (X)
Photos Taken: Yes (X) No ()

DESCRIPTION OF DAILY WORK PERFORMED:

Met AECOM and Layne onsite at 7:00am. In the process of developing DDC-4. Remove pump from DDC-4 and pump water from trough to frac tank. Layne removed cuttings from trough to dumpster. After water and debris removed, Layne broke down water trough and prepared to relocate to DDC-3.

No samples collected.

PROJECT TOTALS:

SAMPLING (Soil/Water/Air)

Contractor Sample ID:	DEC Sample ID:	Description:
_____	_____	_____
_____	_____	_____

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

(Name of contractor) personnel: Danielle Best (EA, representing NYSDEC);
(Name of Subcontractor) personnel: Mike Huitt (AECOM);
(Name of contractor) equipment: Winterweiss Portadrill*; Series 2 Sitemaster Backhoe 214S*
(*Indicates active equipment)
Other Subcontractors: Kevin Uffman; Kevin Mussbaum (Layne Christensen Company)

VISITORS TO SITE:

1. Brian Butler (Layne Christensen Company)

PROJECT SCHEDULE ISSUES:

- N/A

DAILY OBSERVATION REPORT

Day: Friday Date: 8/21/2009

PROJECT BUDGET ISSUES:

- N/A

ITEMS OF CONCERN:

- N/A

COMMENTS:

- Mike Huitt (AECOM) to check site twice per day for security over the weekend. Will use the downtime to pump water from frac tank back into well using layered 50 and 25 micron bag filters.
- Well covered with plywood and surrounded by security fencing for the weekend.

ATTACHMENT(S) TO THIS REPORT:

SITE REPRESENTATIVE:

Name: Danielle Best

cc:

DAILY PHOTOLOG

1. Installed well casing and pizeometers.

