Los Alamos Technical Associates, Inc.

756 Park Meadow Road / Westerville, Ohio 43081 / (614) 508-1200 (phone) / (614) 508-1201 (fax) / www.lata.com

November 26, 2012

Mr. Kale Horton
Project Manager
US Army Corps of Engineers
Kansas City District
601 East 12th Street
Kansas City, Missouri 64106

SUBJECT: October 2012 Operating Report for the Vestal Well field 1-1 Superfund Site, Area 4, Vestal, New York

Dear Mr. Horton:

Attached is the monthly report for October 2012 on the activities being performed at the Vestal Well field 1-1 Superfund Site, Area 4, Vestal, New York. This report details the activities and data collected at the site over the operating period.

If you have any questions, please feel free call me at (614) 508-1200.

Sincerely,
LOS ALAMOS TECHNICAL ASSOCIATES, INC.

Shannon Lloyd
Sr. Project Manager

Attachments

cc:

Sharon Trocher- USEPA
Tom Cimarelli –USACE-NYD
Timothy Leonard – USACE- NYD
Payson Long – USACE NYD
Frank Bales –USACE-NWK
File

TO: Kale Horton, Project Manager
United States Army Corps of Engineers (USACE)

FROM: Shannon Lloyd, Project Manager
Los Alamos Technical Associates, Inc. (LATA)

SUBJECT: October 2012 Monthly Report on Activities at the Vestal Well field 1-1 Superfund Site, Area 4, Vestal, New York

LATA Project # 11202
Contract # W912DQ-09-D-3003,
Task Order # 008

DATE: November 26, 2012

CURRENT ACTIVITIES

LATA's technician visited the Vestal Area 4 Site for the regularly scheduled monthly O&M visit on October 9, 2012 and November 10, 2012 to perform the routine monthly inspection and inspect for damage from the Hurricane Sandy storm event.

Work performed during the October 9th routine O&M visit was; inspect the main and cell buildings and surrounding areas for issues, inspect the equipment in the main building, and re-start the system to verify operation. The system started without incident and ran for approximately thirty minutes while readings were collected and inspections were conducted. Both the distribution buildings and the parking lot area were inspected and no problems or deficiencies were noted. The technician trimmed the weeds around the buildings and fenced areas. The blower oil was changed in each of the SVE blowers during this visit.

Similar tasks as noted above were completed during the November 10th visit as well as inspection of the facility for storm damage. There was no damage noted to the buildings and system components as result of the storm. The system was restarted, readings were collected and then the system was shut down.

There were no communications or concerns with local municipalities during this period.

The electrical use report is attached this month. Also attached to this report is the site visit sheet of data collected during the visit.

OUTSTANDING ISSUES/RESOLUTIONS

None at this time

PLANS FOR NEXT MONTH

Plans for December 2012 include inspection and system readings of the SVE system and its components.

VESTAL AREA 4 SITE INSPECTION AND OPERATION/MAINTANCE LOG

DATE: 10/9/12 ARRIVAL TIME: 11:00 FAULT LIGHTS ON (list): none

REASON FOR VISIT: (MONTHLY) QUARTERLY OTHER
OTHER (define): _____

TASK PERFORMED: Cleared brush and grass, changed blower oil, performed system check

MAIN EQUIPMENT BUILDING

MAIN CONTROL PANEL ✓ CONTROL BOX LOCKED ✓ CONTROL DOOR LOCKED
HOUR METER: SVE UNIT 18,299.5

SVE PUMPING UNIT

INJECTION BLOWER TEMP: 150 F
INJECTION BLOWER TEMP SETTING: - F
PRESSURE AFTER INJECTION BLOWER -15 "H2O ?

VACUUM BLOWER TEMP: 130 F
VACUUM BLOWER TEMP SETTING: _____ F
VACUUMAFTER FILTER -50 "H2O
PRESSURE AFTER VACUUM BLOWER: 0 "H2O ?

GREASE SEALS CHECKED Y DATE OF LAST GREASE: 11/15/11

OIL LEVEL CHECKED: Y DATE OF LAST OIL CHANGE: 10/9/12

BELTS CHECKED FOR WEAR: Y BELT GUARD IN PLACE: Y

VESTAL AREA 4 SITE INSPECTION AND OPERATION/MAINTANCE LOG

GENERAL SITE OBSERVATIONS

CHECK AND NOTE CONDITION OF SITE: good

FIELD ACTIVITY CHECKLIST

SVE WELLHEAD AIR FLOWS MEASURED: ✓ YES ___ NO
SVE WELLS SAMPLED: ___ YES ✓ NO
CARBON CHANGEOUT PERFORMED: NO
WATER REMOVAL PERFORMED: NO
EXTERIOR OF MAIN AND CELL BUILDINGS INSPECTED: YES
INSPECT MAIN POWER AND TELEPHONE LINE: yes

SUMMERY OF PROCESS AIR SAMPLING: no sampling performed

SUMMARY OF OTHER ACTIVITIES: trimmed brush and grass, changed and disposed of blower oil

COMMENTS:

SIGNATURE OF OPERATIONS TECHNICIAN(S):

VESTAL AREA 4 SITE INSPECTION AND OPERATION/MAINTANCE LOG

DATE: 10/9/12

CARBON BED SYSTEM

CHECK ALL ABOVE-GROUND PIP[ING, VALVES, FITTINGS AND OTHER COMPONETS FOR CRACKS OR LEAKS; CHECK CARBON BEDS CONNECTIONS AND ASSOCIATED INSTRUMENTATION. ✓

PRESSURE BEFORE GAC UNIT 1	30 "H2O
TEMPERATURE BEFORE GAC 1	70 F
PRESSURE BETWEEN GAC UNIT 1 AND 2	25 "H20
PRESSURE AFTER GAC UNIT 2	20 "H2O
TEMPERATURE AFTER GAC 2	60 F

WATER STORAGE UNIT

CHECK ALL ABOVE-GROUND PIP[ING, VALVES, FITTINGS AND OTHER COMPONETS FOR CRACKS OR LEAKS; CHECK CARBON BEDS CONNECTIONS AND ASSOCIATED INSTRUMENTATION._____

VOLUME OF WATER IN STORAGE TANK: 0 GALLONS

WATER IN CONTAINMENT VESSEL: YES ____ NO ✓ AMOUNT:_____ INCHES

VESTAL AREA 4 SITE INSPECTION AND OPERATION/MAINTANCE LOG

CELL 1 DISTRIBUTION CENTER

CHECK ALL ABOVE-GROUND PIPING, VALVES, FITTINGS AND OTHER COMPONETS FOR CRACKS OR LEAKS AND ADIQUCY OF SEALS.

CONTROL BOX DISCONNECT ON: ✓ 240-VOLT DISCONNECT ON ✓

SELECTOR SWITCH: MANUAL ✓ OFF ___ AUTO ___

VACUUM STATUS LIGHT: ON ___ OFF ✓

CONTROL BOX LOCKED ✓

ELECTRICAL HEAT BREAKER: ON ✓ OFF ___

ELECTRICAL HEATER THERMOSTAT SETTING: 40 F

PRESSURE AT INJECTION MANIFOLD: 145 "H2O

TEMP AT INJECTION MANIFOLD: 51 F

VACUUM AT VACUUM MANIFOLD: 85 "H2O

TEMP AT VACUUM MANIFOLD: 52 F

VACUUM AT KNOCKOUT TANK: 23 "Hg

WATER PUMP PRESSURE RELIEF SETTING: _____ psi

VESTAL AREA 4 SITE INSPECTION AND OPERATION/MAINTANCE LOG

CELL 2 DISTRIBUTION CENTER

CHECK ALL ABOVE-GROUND PIPING, VALVES, FITTINGS AND OTHER COMPONETS FOR CRACKS OR LEAKS AND ADIQUCY OF SEALS.

CONTROL BOX DISCONNECT ON: ✓ 240-VOLT DISCONNECT ON ✓

SELECTOR SWITCH: MANUAL ✓ OFF ____ AUTO ____

VACUUM STATUS LIGHT: ON ✓ OFF ✓

CONTROL BOX LOCKED ✓

ELECTRICAL HEAT BREAKER: ON ✓ OFF ____

ELECTRICAL HEATER THERMOSTAT SETTING: 40 F

PRESSURE AT INJECTION MANIFOLD: 150 "H2O

TEMP AT INJECTION MANIFOLD: 50 F

VACUUM AT VACUUM MANIFOLD: 65 "H2O

TEMP AT VACUUM MANIFOLD: 52 F

VACUUM AT KNOCKOUT TANK: 16 "Hg

WATER PUMP PRESSURE RELIEF SETTING: _____ psi

Post-Hurricane Sandy Status Report for Region 2 Superfund Remedial Sites
Located in Emergency Declaration Counties

Full, Official Site Name: Vestal SVE system

Site Address or Location, including County: 19 Stage Rd Vestal, NY

Lat/Long for Site (if you can get this information):

Date of Inspection: 11/10/10

Name of Inspector: C. De Carlo

Affiliation of Inspector (EPA/Contractor/PRP/etc.): Contractor

Best phone number to reach inspector: (201) 694-4943

Do conditions at the site pose an immediate threat to human health or the environment?

____Yes ___✓No

If Yes, please provide a brief description of the conditions and the necessary response actions:

Briefly describe any equipment damage, operational problems, etc.:

No damage - system operational

Los Alamos Technical Associates, Inc.
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Field Data Reading Sheet

Site Name VESTAL **Sampled By** CD
Project Number: 1202.004.02
Date: 11/10/12
Weather: 41° F

Instrument Identification

Make/Model / Cal info	PID	Other
	—	—

Main Equipment Building

Main Control Panel: OK
Control Box Locked: yes
Control Door Locked: yes
Hour Meter Reading - SVE Unit: 18,299.9

SVE Pumping Unit

Injection Blower Temp	135	°F
Injection Blower Temp Setting	130	
Presure After Injection Blower	-8	" H2O
Vacuum Blower Temp	139	°F
Vacuum Blower Temp Setting	135	
Vacuum After Filter	-35	" H2O
Presure AfterVacuum Blower	8	" H2O

Grease Seals Checked	☑ Yes	☐ No	Date of last Grease 10/11
Oil Levels Checked	☐ Yes	☐ No	Date of Last Oil Change 10/12
Belts Checked for Wear	☑ Yes	☐ No	Belt Guard in Place yes

Alarms Present (described below if Yes) ☐ Yes ☑ No

Comments

General Site Observations

Check and Note Condition of Site: no issues

Grass around Buildings	☐ OK	☑ Trimmed
Vines and Weeds around Buildings	☐ OK	☑ Trimmed

Comments

Field Activity Checklist

SVE Wellhead air Flows Measured	☐ Yes	☑ No
SVE Wells Sampled	☐ Yes	☑ No
Carbon Changeout Performed	☐ Yes	☑ No
Water Removal Performed	☐ Yes	☑ No
Exterior of Main buliding and Cell Buildings Inspected	☐ Yes	☑ No

Summary of Process Air Sampling: N/A

Summary of Other Activities: N/A

Comments: N/A

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Field Data Reading Sheet

Site Name VESTAL **Sampled By:** CD **Date** 11/10/12

Carbon Bed System

Check all aboveground piping, valves, fittings and other components for cracks or leaks.
Check Carbon Beds connections and associated instrumentation

Pressure Before GAC Unit 1	10	" H2O
Temperature Before GAC Unit 1	60	F
Pressure Between GACUnit 1 and GAC Unit 2	22	"H2O
Pressure Before GAC Unit 2	25	" H2O
Temperature Before GAC Unit 2	45	F

Water Storage Unit

Check all aboveground piping, valves, fittings and other components for cracks or leaks.
Check Carbon Beds connections and associated instrumentation

Volume of Water in Storage Tank 0 Gallons
Water in Containment Vessel ☐ Yes ☑ No Amount _____ **Inches**

Cell 1 Distribution Building

Check all aboveground piping, valves, fittings and other components for cracks or leaks and adequacy of seals

Building Locked	☑ Yes	☐ No				
Control Box Locked	☑ Yes	☐ No				
Control Box Disconnect On	☐ Yes	☐ No	240 V Disconnect On	☐ Yes	☐ No	
Selector Switch	☐ MAN	☐ OFF	☐ AUTO			
Vacuum Status Light	☐ OFF	☐ ON				

Electrical Heat Breaker	☑ Yes ☐ No	
Heater Thermostat Setting	40	°F
Pressure at Injection Manifold	150	"H2O
Temperature at Injection Manifold	47	°F
Vacuum at Vacuum Manifold	90	"H2O
Temperature at Vacuum Manifold	47	°F
Vacuum at Knockout Tank	26	"H2O
Water Pimp Pressure Relief Settings	–	psi

Cell 2 Distribution Building

Check all aboveground piping, valves, fittings and other components for cracks or leaks and adequacy of seals

Building Locked	☑ Yes	☐ No				
Control Box Locked	☑ Yes	☐ No				
Control Box Disconnect On	☑ Yes	☐ No	240 V Disconnect On	☐ Yes	☐ No	
Selector Switch	☐ MAN	☐ OFF	☑ AUTO			
Vacuum Status Light	☐ OFF	☐ ON				

Electrical Heat Breaker	☑ Yes ☐ No	
Heater Thermostat Setting	40	°F
Pressure at Injection Manifold	150	"H2O
Temperature at Injection Manifold	45	°F
Vacuum at Vacuum Manifold	74	"H2O
Temperature at Vacuum Manifold	47	°F
Vacuum at Knockout Tank	13	"H2O
Water Pimp Pressure Relief Settings	–	psi

Comments none

Signature of Operator/Tech [signature] **Date** 11/10/12

Daily Quality Control Report

Date: 11/10/12			**Report No.** 001									
Project: VESTAL	**Day:**	Su	M	T	W	Th	F	Sa X				
FUDS project no.:	**Weather:**	Clear	Cloudy		Overcast X		Rain	Snow				
Project Manager: S. Lloyd	**Temp. (°F)**	To 32°	32° - 50° X		50° 70°		70° - 85°	85° up				
Project QC Officer: J. Moore	**Wind:**	Still X	Moderate		High							
	Humidity:	Dry	Moderate X		High							

Personnel onsite: C. De Carlo / LATA

Sampling equipment on site: None

Work performed: performed system check

Daily Quality Control Report (continued)

Project: VESTAL **Report no.:** 001

FUDS project no.: **Date:** 11/10/12

Quality control activities (including field calibrations):

N/A

Health and safety levels and activities:

Donned PPE secured building at completion of work

Problems encountered/corrective actions taken:

None

Special notes: N/A

Tomorrow's expectations: N/A

Sheet 2 of 2

By: C. De Carlo Title: Project Scientist

TOTAL ELECTRICITY USAGE
DW96941964 Vestal Well Field

Year	2008			2009											
Month	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
kwh used	1105	2417	3728	4141	4004	2995	1847	475	350	311	347	552	2011	1918	4134
Cost	$389.66	$483.00	$588.73	$716.13	$492.59	$428.00	$331.56	$190.91	$292.77	$282.02	$350.19	$233.91	$382.99	$372.20	$776.85

2009 YTD Total Usage (kwh) = 23,085
2009 YTD Total Cost = $4,850.12

Entire Year Using Renewable Electricity Delivered by New York State Electric & Gas

Year	2010											
Month	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
kwh used	3360	3567	2892	585	1189	400	303	342	308	1184	3113	4022
Cost	$481.87	$569.27	$533.39	$212.58	$227.32	$160.27	$145.14	$136.06	$131.83	$267.07	$459.14	$547.56

2010 YTD Total Usage (kwh) = 21,265
2010 YTD Total Cost = $3,871.50

Entire Year Using Renewable Electricity Delivered by New York State Electric & Gas

Year	2011											
Month	Jan	Feb	Mar	Apr	May (1)	June	July (1)	Aug	Sept (2)	Oct	Nov	Dec
kwh used	4040	3667	3341	2172	286	319	293	0	678	1473	3257	4579
Cost	$460.89	$493.33	$415.59	$338.11	-$457.97	$144.99	-$130.93	$0.00	$346.60	$317.96	$487.69	$588.15

2011 YTD Total Usage (kwh) = 24,105
2011 YTD Total Cost = $3,004.41

Entire Year Using Renewable Electricity Delivered by New York State Electric & Gas

Year	2012											
Month	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
kwh used	4027	4141	1516	515	334	344	289	325	373			
Cost	$523.86	$549.93	$287.00	$155.04	$138.66	$161.01	$134.87	$154.12	$316.80			
	Account Holder - Shaw								**LATA**			

2012 YTD Total Usage (kwh) = 11,864
2012 YTD Total Cost = $2,421.29

Shaw Account number with NYSE&G is 1003-0378-086
LATA Account number with NYSE&G is 1003-8267-547
Meter readings usually occur during the second week of the month for the previous month, then invoices go out within a week.
(1) = May and July 2011 cost is a previous deposit with interest credited back to account.
(2) = Usage and costs in September 2011 cover August 2011 as well.