Los Alamos Technical Associates, Inc.

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

December 19, 2012

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

SUBJECT: November 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 November 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: November 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: December 19, 2012

CURRENT ACTIVITIES

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

Work performed during the November 10th 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 and collect readings. The system started without incident and ran for approximately thirty minutes (see table below) while readings were collected and inspections were conducted. No issues were noted during the period the system was operated. Both the distribution buildings and the adjacent parking lot area were inspected and no problems or deficiencies were noted.

The system and facilities were inspected for storm damage from the recent hurricane that affected the east coast (Hurricane Sandy). There was no damage noted to the buildings or system components as result of the storm.

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

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

Blower Run Hours

Date	Hour Meter Reading
10/9/12	18,299.5
11/10/12	18,299.9
	0.4 hrs. run time

OUTSTANDING ISSUES/RESOLUTIONS

None at this time

PLANS FOR NEXT MONTH

Plans for January 2013 include inspection and system readings of the SVE system and its components.

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.
756 Park Meadow Road
Westerville, OH 43081

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

Los Alamos Technical Associates, Inc.
756 Park Meadow Road
Westerville, OH 43081

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	1065		
Cost	$523.86	$549.93	$287.00	$155.04	$138.66	$161.01	$134.87	$154.12	$316.80	$302.85		
	Account Holder - Shaw								**LATA**			

2012 YTD Total Usage (kwh) = 12,929
2012 YTD Total Cost = $2,724.14

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.