



Los Alamos Technical Associates, Inc.

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

September 11, 2013

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

SUBJECT: August 2013 Operating Report for the Vestal Well field 1-1 Superfund Site, Area 4,
Vestal, New York

Dear Mr. Khan:

Attached is the monthly report for August 2013 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.

A handwritten signature in blue ink, appearing to read 'Shannon Lloyd', is written over a horizontal line.

Shannon Lloyd
Sr. Project Manager

Attachments

cc: Sharon Trocher- USEPA
Payson Long – NYS DEC
Tom Cimorelli –USACE-NYD
Timothy Leonard – USACE- NYD
Frank Bales –USACE-NWK
File

TO: Saqib Khan, Project Manager
United States Army Corps of Engineers (USACE)

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

SUBJECT: August 2013 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: September 12, 2013

CURRENT ACTIVITIES

LATA's technician visited the Vestal Area 4 Site for the regularly scheduled monthly O&M visit on September 8, 2013 to perform the routine monthly inspection and testing of the facilities and equipment.

Work performed during the September 8th visit was; inspect the main treatment system and cell buildings and surrounding areas for issues, mow and trim the weeds at the fence line and equipment compounds, inspect the equipment in the main building and ancillary buildings, re-start the system to verify operation and collect data and equipment readings. The system was started without incident and ran while readings and inspections were conducted (see table below for detail of run hrs.).

No operational issues were noted during the period the system was operated. Both the distribution buildings and the adjacent parking lot area were inspected and no issues were noted. The site inspection forms detailing the data readings collected and observations during the site visit are attached to this report.

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

The electrical use report is attached to this report detailing the month by month electric usage for the site.

Blower Run Hours

Date	Hour Meter Reading
08/04/13	18,308.7
09/08/13	18,309.7
1.0 hrs. run time	

OUTSTANDING ISSUES/RESOLUTIONS

None at this time

PLANS FOR NEXT MONTH

Plans for the September/October 2013 visit include inspection and system readings of the SVE system and its components and other maintenance as needed.

TOTAL ELECTRICITY USAGE
DW96941964 Vestal Well Field

<u>Year</u>	2008			2009											
<u>Month</u>	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
<u>kwh used</u>	1105	2417	3728	4141	4004	2995	1847	475	350	311	347	552	2011	1918	4134
<u>Cost</u>	\$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

<u>Year</u>	2010											
<u>Month</u>	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
<u>kwh used</u>	3360	3567	2892	585	1189	400	303	342	308	1184	3113	4022
<u>Cost</u>	\$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

<u>Year</u>	2011											
<u>Month</u>	Jan	Feb	Mar	Apr	May (1)	June	July (1)	Aug	Sept (2)	Oct	Nov	Dec
<u>kwh used</u>	4040	3667	3341	2172	286	319	293	0	678	1473	3257	4579
<u>Cost</u>	\$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

<u>Year</u>	2012											
<u>Month</u>	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
<u>kwh used</u>	4027	4141	1516	515	334	344	289	325	303	0	1065	2601
<u>Cost</u>	\$523.86	\$549.93	\$287.00	\$155.04	\$138.66	\$161.01	\$134.87	\$154.12	\$316.80		\$302.85	\$520.97
Account Holder - Shaw									LATA			

2012 YTD Total Usage (kwh) = 15,460
2012 YTD Total Cost = \$3,245.11

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

<u>Year</u>	2013											
<u>Month</u>	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
<u>kwh used</u>	2594	2875	2257	740	377	358	344					
<u>Cost</u>	\$316.55	\$522.94	\$485.38	\$394.71	\$345.18	\$347.92	\$351.75	\$343.49				
LATA												

2013 YTD Total Usage (kwh) = 9,545
2013 YTD Total Cost = \$3,107.92

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.



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Field Data Reading Sheet

Site Name VESTAL Sampled By S. Samaroo
Project Number: 11130644
Date: 9/8/2013
Weather: Sunny, 70s

Instrument Identification

Make/Model	Cal info	PID	Other
		NA	NA

Main Equipment Building

Main Control Panel _____ Control Box Locked No Lock Control Door Locked No Lock

Hour Meter Reading - SVE Unit 18309.7

SVE Pumping Unit

Injection Blower Temp	<u>175</u>	°F
Injection Blower Temp Setting		
Pressure After Injection Blower	<u>-42</u>	" H2O
Vacuum Blower Temp	<u>160</u>	°F
Vacuum Blower Temp Setting		
Vacuum After Filter	<u>16</u>	" H2O
Pressure After Vacuum Blower	<u>-17</u>	" H2O

Grease Seals Checked	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Date of last Grease <u>11/15/2011</u>
Oil Levels Checked	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Date of Last Oil Change <u>11/15/2011</u>
Belts Checked for Wear	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Belt Guard in Place <u>Yes</u>

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

Comments -NONE

General Site Observations

Check and Note Condition of Site

Grass around Buildings	<input type="checkbox"/> OK	<input checked="" type="checkbox"/> Trimmed
Vines and Weeds around Buildings	<input type="checkbox"/> OK	<input checked="" type="checkbox"/> Trimmed

Comments Insulation in the ceiling of the main building appears to be loose, possibly from a small rodent.
URS opened additional rodent bait packets in main building.

Field Activity Checklist

SVE Wellhead air Flows Measured	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
SVE Wells Sampled	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Carbon Changeout Performed	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Water Removal Performed	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Exterior of Main building and Cell Buildings Inspected	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

Summary of Process Air Sampling

NA

Summary of Other Activities

NA

Comments

NA



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Field Data Reading Sheet

Site Name VESTAL Sampled By: S. Samaroo Date 9/8/2013

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 22 " H₂O
Temperature Before GAC Unit 1 82 F

Pressure Between GAC Unit 1 and GAC Unit 2 20 "H₂O

Pressure Before GAC Unit 2 6 " H₂O
Temperature Before GAC Unit 2 66 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 0 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 38 °F

Pressure at Injection Manifold 141 "H₂O

Temperature at Injection Manifold 64 °F

Vacuum at Vacuum Manifold 80 "H₂O

Temperature at Vacuum Manifold 66 °F

Vacuum at Knockout Tank 24 "H₂O

Water Pump 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 148 "H₂O

Temperature at Injection Manifold 65 °F

Vacuum at Vacuum Manifold 71 "H₂O

Temperature at Vacuum Manifold 66 °F

Vacuum at Knockout Tank 19 "H₂O

Water Pimp Pressure Relief Settings -- psi

Comments -NONE

Signature of Operator/Tech Sunil Samaroo

Date 9/8/2013

Daily Quality Control Report

Date: 09/08/2013		Report No.						
Project: VESTAL	Day:	Su	M	T	W	Th	F	Sa
Project no.: 11130644	Weather:	Clear	Cloudy		Overcast		Rain	Snow
Project Manager: Shannon Lloyd	Temp. (°F)	To 32°	32° - 50°		50° - 70°		70° - 85°	85° up
Project QC Officer:	Wind:	Still	Moderate		High			
	Humidity:	Dry	Moderate		High			
Personnel onsite:								
Sunil Samaroo (URS)								
Sampling equipment on site:								
N/A								
Work performed:								
Performed general site observations, recorded system readings in main equipment building,								
Cell 1 distribution building, and Cell 2 distribution building.								
Mowed the grass inside of the fence, and applied weed killer around the main building.								

Daily Quality Control Report (continued)

Project: VESTAL

Report no.:

Project no.: 11130644

Date: 09/08/2013

Quality control activities (including field calibrations):
N/A
Health and safety levels and activities:
Problems encountered/corrective actions taken:
-Insulation in the ceiling of the main building appears to be loose, possibly from a small rodent.
URS opened additional rodent bait packets in main building.
Special notes:
Tomorrow's expectations:

Sheet 2 of 2

By: Sunil Samaroo Title: Environmental Scientist