



Los Alamos Technical Associates, Inc.

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July 15, 2013

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

SUBJECT: July 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 July 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: June 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: July 15, 2013

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## **CURRENT ACTIVITIES**

LATA's technician visited the Vestal Area 4 Site for the regularly scheduled monthly O&M visit on July 5, 2013 to perform the routine monthly inspection and testing of the facilities and equipment.

Work performed during the July 5<sup>th</sup> 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**

<b>Date</b>	<b>Hour Meter Reading</b>
06/03/13	18,306.4
07/05/13	18,307.7
<b>1.3 hrs. run time</b>	

## **OUTSTANDING ISSUES/RESOLUTIONS**

None at this time

## **PLANS FOR NEXT MONTH**

Plans for August 2013 visit include inspection and system readings of the SVE system and its components, repair of the door frame and rodent hole at the main treatment building 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
<b>Account Holder - Shaw</b>								<b>LATA</b>				

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	389						
<u>Cost</u>	\$316.55	\$522.94	\$485.38	\$394.71	\$345.18	\$347.92						
<b>LATA</b>												

2013 YTD Total Usage (kwh) = 9,232  
2013 YTD Total Cost = \$2,412.68

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.



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

## Field Data Reading Sheet

Site Name VESTAL Sampled By: S. Samaroo  
Project Number: 11130644  
Date: 7/5/2013  
Weather: Sunny, 80s

## 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 18307.7

## SVE Pumping Unit

Injection Blower Temp	<u>210</u>	°F
Injection Blower Temp Setting	<u>-52</u>	" H2O
Pressure After Injection Blower		
Vacuum Blower Temp	<u>175</u>	°F
Vacuum Blower Temp Setting	<u>16</u>	" H2O
Vacuum After Filter	<u>-22</u>	" H2O
Pressure After Vacuum Blower		

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 A small hole was made by a rodent in the northern wall base board of the 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



Site Name VESTAL Sampled By: S. Samaroo Date 7/5/2013

**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 30 " H<sub>2</sub>O  
Temperature Before GAC Unit 1 100 F

Pressure Between GAC Unit 1 and GAC Unit 2 20 "H<sub>2</sub>O

Pressure Before GAC Unit 2 5 " H<sub>2</sub>O  
Temperature Before GAC Unit 2 86 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 150 "H<sub>2</sub>O

Temperature at Injection Manifold 77 °F

Vacuum at Vacuum Manifold 85 "H<sub>2</sub>O

Temperature at Vacuum Manifold 78 °F

Vacuum at Knockout Tank 30 "H<sub>2</sub>O

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 150 "H<sub>2</sub>O

Temperature at Injection Manifold 76 °F

Vacuum at Vacuum Manifold 75 "H<sub>2</sub>O

Temperature at Vacuum Manifold 78 °F

Vacuum at Knockout Tank 21 "H<sub>2</sub>O

Water Pimp Pressure Relief Settings psi

Comments -NONE





## Daily Quality Control Report

<b>Date:</b> 07/05/2013		<b>Report No.</b>						
<b>Project:</b> VESTAL	<b>Day:</b>	Su	M	T	W	Th	F	Sa
<b>Project no.:</b> 11130644	<b>Weather:</b>	Clear	Cloudy		Overcast		Rain	Snow
<b>Project Manager:</b> Shannon Lloyd	<b>Temp. (°F)</b>	To 32°	32° - 50°		50° - 70°		70° - 85°	85° up
<b>Project QC Officer:</b>	<b>Wind:</b>	Still	Moderate		High			
	<b>Humidity:</b>	Dry	Moderate		High			
<b>Personnel onsite:</b>								
Sunil Samaroo (URS)								
<b>Sampling equipment on site:</b>								
N/A								
<b>Work performed:</b>								
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, around the main building and around cell 1 and 2.								

### Daily Quality Control Report (continued)

Project: VESTAL

Report no.:

Project no.: 11130644

Date: 07/05/2013

<b>Quality control activities (including field calibrations):</b>
N/A
<b>Health and safety levels and activities:</b>
<b>Problems encountered/corrective actions taken:</b>
-A small hole was made by a rodent in the northern wall base board of the main building.
<b>Special notes:</b>
<b>Tomorrow's expectations:</b>

Sheet 2 of 2

By: Sunil Samaroo Title: Environmental Scientist