



Los Alamos Technical Associates, Inc.

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

May 18, 2015

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

SUBJECT: May 2015 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 May 2015 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, reading 'Nathan Canaris', is positioned below the typed name.

Nathan Canaris
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: Nathan Canaris, Project Manager
Los Alamos Technical Associates, Inc. (LATA)

SUBJECT: May 2015 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: May 18, 2015

CURRENT ACTIVITIES

LATA's technician visited the Vestal Area 4 Site for the regularly scheduled monthly O&M visit on May 7, 2015 to perform the routine monthly inspection and testing of the facilities and equipment.

Work performed during the May 7th visit was; inspect the main treatment system and cell buildings and surrounding areas for issues, inspect the equipment in the main building and ancillary buildings, re-start the system to verify operation, and collect data and equipment readings in the main building and ancillary buildings. Details and photos of the visit are attached. The site inspection forms detailing the data readings collected and observations during the site visit are attached to this report.

No other operational issues were noted during the inspection. Both the distribution buildings and the adjacent parking lot area were inspected and no issues were noted.

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

Blower Run Hours

Date	Hour Meter Reading
04/02/15	18,326.2
05/07/15	18,327.2
1.0 hrs. run time	

OUTSTANDING ISSUES/RESOLUTIONS

NONE

PLANS FOR NEXT MONTH

Plans for the June 2015 visit includes inspection and collection of SVE system readings and its components and other maintenance as required.

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	303	0	1065	2601
Cost	\$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

Year	2013											
Month	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
kwh used	2594	2875	2257	740	377	358	344	354	314	641	2658	3161
Cost	\$316.55	\$522.94	\$485.38	\$394.71	\$345.18	\$347.92	\$351.75	\$349.49	\$344.31	123.75 *	\$515.42	\$677.78
LATA												

* - NYSEG error on October billing. LATA notified NYSEG of error and will get corrected bill

2013 YTD Total Usage (kwh) = 16,673
2013 YTD Total Cost = \$4,775.18

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

Year	2014											
Month	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
kwh used	3356	3211	2684	1007	373	391	286	350	324	352	1713	2204
Cost	\$793.03	\$570.31	\$581.33	\$359.97	\$296.86	\$294.20	\$44.15	\$294.56	\$292.42	\$295.25	\$415.87	\$239.73
LATA												

2014 YTD Total Usage (kwh) = 16,251
2014 YTD Total Cost = \$4,477.68

Year	2015											
Month	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
kwh used	2204	0 *	6735	1134								
Cost	\$249.30	\$0.00	\$1,203.79	\$178.06								
LATA												

* - NYSEG was not able to perform actual meter reading due to snow.

2015 YTD Total Usage (kwh) = 10,073
2015 YTD Total Cost = \$1,631.15

- (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.
(3) = Usage and costs in March 2015 cover February 2015 as well.

SITE PHOTO LOG

Main Building





Cell 1



Cell 2



SITE VISIT SHEETS



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

Field Data Reading Sheet

Site Name

Project Number:

Date:

Weather:

VESTAL

11130644

5/7/2015

Sunny, 70s

Sampled By:

S. Samaroo

Instrument Identification

Make/Model	PID		Other
	Cal info	NA	NA

Main Equipment Building

Main Control Panel

Hour Meter Reading - SVE Unit

Control Box Locked

Control Door Locked

18327.2

No Lock

No Lock

SVE Pumping Unit

Injection Blower Temp

Injection Blower Temp Setting

Pressure After Injection Blower

Vacuum Blower Temp

Vacuum Blower Temp Setting

Vacuum After Filter

Pressure After Vacuum Blower

190

--

10

140

--

15.5

4

°F

" H2O

°F

" H2O

Grease Seals Checked

Oil Levels Checked

Belts Checked for Wear

☒

Yes

☐

No

☒

Yes

☐

No

☒

Yes

☐

No

Date of last Grease

Date of Last Oil Change

Belt Guard in Place

11/15/2011

11/15/2011

Yes

Alarms Present (described below if Yes)

☐

Yes

☒

No

Comments

Insulation was removed over fan and vents in main building, cell 1, and cell 2.

General Site Observations

Check and Note Condition of Site

Grass around Buildings

Vines and Weeds around Buildings

☐

OK

☒

Trimmed

☒

OK

☐

Trimmed

Comments

NA

Field Activity Checklist

SVE Wellhead air Flows Measured

SVE Wells Sampled

Carbon Changeout Performed

Water Removal Performed

Exterior of Main building and Cell Buildings Inspected

☐

Yes

☒

No

☐

Yes

☒

No

☐

Yes

☒

No

☒

Yes

☐

No

Summary of Process Air Sampling

NA

Summary of Other Activities

NA



Site Name VESTAL Sampled By: S. Samaroo Date 5/7/2015

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	40	" H2O
Temperature Before GAC Unit 1	122	F
Pressure Between GACUnit 1 and GAC Unit 2	30	"H2O
Pressure Before GAC Unit 2	7	" H2O
Temperature Before GAC Unit 2	74	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	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Control Box Locked	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Control Box Disconnect On	<input type="checkbox"/> Yes <input type="checkbox"/> No	240 V Disconnect On	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Selector Switch	<input type="checkbox"/> MAN <input type="checkbox"/> OFF <input checked="" type="checkbox"/> AUTO			
Vacuum Status Light	<input checked="" type="checkbox"/> OFF <input type="checkbox"/> ON			
Electrical Heat Breaker	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Heater Thermostat Setting	38	°F		
Pressure at Injection Manifold	115	"H2O		
Temperature at Injection Manifold	60	°F		
Vacuum at Vacuum Manifold	55	"H2O		
Temperature at Vacuum Manifold	64	°F		
Vacuum at Knockout Tank	>30	"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	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Control Box Locked	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Control Box Disconnect On	<input type="checkbox"/> Yes <input type="checkbox"/> No	240 V Disconnect On	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Selector Switch	<input type="checkbox"/> MAN <input type="checkbox"/> OFF <input checked="" type="checkbox"/> AUTO			
Vacuum Status Light	<input checked="" type="checkbox"/> OFF <input type="checkbox"/> ON			
Electrical Heat Breaker	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Heater Thermostat Setting	40	°F		
Pressure at Injection Manifold	115	"H2O		
Temperature at Injection Manifold	61	°F		
Vacuum at Vacuum Manifold	46	"H2O		
Temperature at Vacuum Manifold	63	°F		
Vacuum at Knockout Tank	22	"H2O		
Water Pimp Pressure Relief Settings	--	psi		

Comments -NONE