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

April 8, 2016

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

SUBJECT: April 2016 Operating Report for the Vestal Well Field 1-1 Superfund Site, Area 4,

Vestal, New York

Dear Mr. Ward:

Attached is the monthly report for April 2016 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.

Nathan Canaris Project Manager

Attachments

cc: Sharon Trocher- USEPA

> Payson Long – NYS DEC Tom Cimarelli –USACE-NYD

Timothy Leonard – USACE- NYD

Frank Bales – USACE-NWK

Damian Duda -NYS DEC

File

TO: Matthew Ward, Project Manager

United States Army Corps of Engineers (USACE)

FROM: Nathan Canaris, Project Manager

Los Alamos Technical Associates, Inc. (LATA)

SUBJECT: April 2016 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: April 8, 2016

### **CURRENT ACTIVITIES**

LATA's technician visited the Vestal Area 4 Site for the regularly scheduled monthly O&M visit on April 5, 2016 to perform the routine monthly inspection and testing of the facilities and equipment.

Work performed during the April 5<sup>th</sup> 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				
03/01/16	18,337.6				
04/05/16	18,338.3				
	0.7 hrs. run time				

### **OUTSTANDING ISSUES/RESOLUTIONS**

**NONE** 

#### PLANS FOR NEXT MONTH

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

### TOTAL ELECTRICITY USAGE DW96941964 Vestal Well Field

	Nov				Mar			June						
Oct ed 1105	2417	Dec 3728	Jan 4141	Feb 4004	2995	Apr 1847	May 475	350	July 311	Aug 347	Sept 552	Oct 2011	Nov 1918	Dec 413
\$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	\$77
											2009 Y	TD Total U		
Entire V	ear Using Re	enewable F	lectricity De	livered by N	New York S	tate Electric	& Gas					2009 YTD	Total Cost	= \$4,
2010	· ·	JOWADIG L	.comony De			alo Eloctific	~ Ou3					7		
Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec			
<u>d</u> 3360 \$481.87	3567 \$569.27	2892 \$533.39	585 \$212.58	1189 \$227.32	400 \$160.27	303 \$145.14	342 \$136.06	308 \$131.83	1184 \$267.07	3113 \$459.14	4022 \$547.56			
											2010 Y	— TD Total U:	sage (kwh)	= 2
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2011	ar Osing IXe	eriewabie L	lectricity De	ilivered by i	vew rolk o	iale Liectiic	a Gas					7		
Jan	Feb	Mar	Apr	May (1)	June	July (1)	Aug	Sept (2)	Oct	Nov	Dec			
4040 \$460.89	3667 \$493.33	3341 \$415.59	2172 \$338.11	286 -\$457.97	319 \$144.99	293 -\$130.93	0 \$0.00	678 \$346.60	1473 \$317.96	3257 \$487.69	4579 \$588.15			
											2011 V	TD Total U:	sago (kwh)	_ 2
											2011 1		Total Cost	
Entire Ye	ear Using Re	enewable E	lectricity De	livered by N	New York S	tate Electric	& Gas					7		
Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	I		
4027	4141 \$549.93	1516 \$287.00	515	334	344	289	325	303	0	1065	2601 \$520.97	I		
\$523.86	\$549.93 t Holder - S		\$155.04	\$138.66	\$161.01	\$134.87	\$154.12	\$316.80 LATA		\$302.85	\$520.97	-1		
								-818			2012 Y	TD Total U:	sage (kwh)	= 1
	aa Haiaa S	a a suable 5	la atriaite : D :	linear de la la		tata Flancis	9.0					2012 YTD	Total Cost	= \$3
	ear Using Re	enewable E	lectricity De	livered by N	New York S	tate Electric	& Gas					2012 YTD	Total Cost	= \$3
Entire You 2013 Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	2012 YTD	Total Cost	= \$3
Entire You 2013 Jan 2594	Feb 2875	Mar 2257	Apr 740	May 377	June 358	July 344	Aug 354	314	641	2658	3161	2012 YTD	Total Cost	= \$3
Entire You 2013 Jan	Feb	Mar	Apr	May	June 358 \$347.92	July 344 \$351.75	Aug					2012 YTD	Total Cost	= \$3
Entire Ye 2013 Jan 2594 \$316.55	Feb 2875	Mar 2257 \$485.38	Apr 740 \$394.71	May 377 \$345.18	June 358 \$347.92	July 344 \$351.75 <b>ATA</b>	Aug 354	314	641	2658	3161 \$677.78	TD Total U:	sage (kwh)	= 1
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- (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.
  (4) = November 2015 cost is a previous deposit with interest credited back to account

# SITE PHOTO LOG







# 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	Sampled By:	S. Samaroo
60402566.1113064		
4/5/2016		
Clear, 30s		

I4			4242	4=
Instrumer	ı	taen	unca	шоп

	PID					Other			
Make/Model	Cal info		NA				NA		
Main Equipment Building									
Main Control Panel			C	ontrol Box	Locked No Lock	Control I	Door Locked No Lock		
Hour Meter Reading - SVE Unit	18338.3		-						
Injection Blower Temp Injection Blower Temp Setting Pressure After Injection Blower Vacuum Blower Temp Vacuum Blower Temp Setting Vacuum After Filter Pressure AfterVacuum Blower	SVE Pumpi	ing Unit  <130   10  <130   16  <5	- - - - -	°F "H2O °F "H2O "H2O					
Grease Seals Checked Oil Levels Checked Belts Checked for Wear	✓ Yes ✓ Yes ✓ Yes	□ No □ No □ No		Da	Date of last Grease 11/ ate of Last Oil Change 11/ Belt Guard in Place Ye	15/2011			
Alarms Present (described below if	Yes)	□ Yes ☑	No						
Comments									
Check and Note Condition of Site Grass around Buildings Vines and Weeds around Buildings Comments	eneral Site O								
SVE Wellhead air Flows Measured SVE Wells Sampled Carbon Changeout Performed Water Removal Performed Exterior of Main building and Cell I			□ Y6 □ Y6 □ Y6 □ Y6 □ Y6	es 🗸	No No No No No				
Summary of Process Air Sampling	NA								
Summary of Other Activities	NA								



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

Field Data Reading Sheet

Site Name **VESTAL** Sampled By: S. Samaroo Date 4/5/2016 **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 " H2O Temperature Before GAC Unit 1 Pressure Between GACUnit 1 and GAC Unit 2 26 "H2O " H2O Pressure Before GAC Unit 2 Temperature Before GAC Unit 2 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 Gallons Water in Containment Vessel ☑No **Inches** Amount **Cell 1 Distribution Building** Check all aboveground piping, valves, fittings and other components for cracks or leaks and adequacy of seals Yes □ No **Building Locked ✓** Control Box Locked Yes □ No  $\square$  No □ Yes Control Box Disconnect On Yes 240 V Disconnect On  $\square$  No MAN □ OFF ☑ AUTO Selector Switch **V OFF**  $\square$  ON Vacuum Status Light □ No Electrical Heat Breaker Yes Heater Thermostat Setting 38 "H2O Pressure at Injection Manifold 120 °F Temperature at Injection Manifold 42 "H2O Vacuum at Vacuum Manifold 50  $^{0}F$ Temperature at Vacuum Manifold 42 Vacuum at Knockout Tank 19.5 "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  $\checkmark$  $\square_{No}$ **Building Locked** Yes **V**  $\square_{No}$ Control Box Locked Yes Control Box Disconnect On Yes  $\square_{No}$ 240 V Disconnect On  $\square$  Yes  $\square$  No Selector Switch MAN □OFF **ZAUTO** Vacuum Status Light **OFF** □ON  $\checkmark$ Electrical Heat Breaker Yes □ No °F Heater Thermostat Setting 40 Pressure at Injection Manifold "H2O 118 °F Temperature at Injection Manifold 20 Vacuum at Vacuum Manifold "H2O 40  $^{0}\mathbf{F}$ Temperature at Vacuum Manifold 25 Vacuum at Knockout Tank 19 "H2O Water Pimp Pressure Relief Settings psi Comments

## **Daily Quality Control Report**

Date: 4/5/2016			Report No.							
Project: VESTAL	Day:	Su	MT	W	Th	F	Sa			
Project no.: 60402566.11130644	Weather:	Clear	Cloudy	Over	cast	Rain	Snow			
Project Manager: Nathan Canaris	Temp. (°F)	To 32°	32° - 50°	50 70		70° - 85°	85° up			
Project QC Officer:	Wind:	Still	Moderate	Hiç	jh		•			
	Humidity:	Dry	Moderate	Hiç	jh					
Personnel onsite:				<u> </u>	I.					
Sunil Samaroo, Jay Patel (AECOM)										
Sampling equipment on site:										
N/A										
Work performed:										
Performed general site observations, reco			igs in mair	n equi	omen	t buildir	ng,			
Cell 1 distribution building, and Cell 2 distr	ibution build	ing.								

Sheet \_\_1\_\_ of \_\_2\_\_

### **Daily Quality Control Report (continued)**

Report no.:

**Project: VESTAL** 

Project no.: 60402566.11130644 **Date**: 4/5/2016 Quality control activities (including field calibrations): N/A Health and safety levels and activities: Problems encountered/corrective actions taken: Special notes: Tomorrow's expectations: Sheet 2 of 2 By: \_Sunil Samaroo\_\_\_\_\_\_Title:\_Environmental Scientist\_