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

March 10, 2017

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

SUBJECT: March 2017 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 March 2017 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: Damian Duda – USEPA

Payson Long – NYS DEC

Tom Cimarelli –USACE-NYD
Timothy Leonard – USACE NY

Timothy Leonard – USACE-NYD Jason Lecuyer – USACE-NWK

Andrew Smith – USACE-NYD

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: March 2017 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: March 10, 2017

#### **CURRENT ACTIVITIES**

LATA's technician visited the Vestal Area 4 Site for the regularly scheduled monthly O&M visit on March 4, 2017 to perform the routine monthly inspection and testing of the facilities and equipment.

Work performed during the March 4<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
02/06/17	18,349.9
03/04/17	18,350.9
	1.0 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

2008 Oct 1105 \$389.66	Nov 2417 \$483.00	Dec 3728 \$588.73	2009 Jan 4141 \$716.13	Feb 4004 \$492.59	Mar 2995 \$428.00	Apr 1847 \$331.56	May 475 \$190.91	June 350 \$292.77	July 311 \$282.02	Aug 347 \$350.19	Sept 552 \$233.91	Oct 2011 \$382.99	Nov 1918 \$372.20	Dec 413- \$770
											2009 Y	TD Total U: 2009 YTD	sage (kwh) Total Cost	
2010	ear Using Re	enewable El	ectricity De	livered by N	lew York St	ate Electric	& Gas					7		
Jan 3360 \$481.87	Feb 3567 \$569.27	Mar 2892 \$533.39	Apr 585 \$212.58	May 1189 \$227.32	June 400 \$160.27	July 303 \$145.14	Aug 342 \$136.06	Sept 308 \$131.83	Oct 1184 \$267.07	Nov 3113 \$459.14	Dec 4022 \$547.56			
											2010 Y	TD Total U: 2010 YTD	sage (kwh) Total Cost	
Entire Ye	ear Using Re	enewable El	ectricity De	livered by N	lew York St	ate Electric	& Gas					_		
Jan 4040 \$460.89	Feb 3667 \$493.33	Mar 3341 \$415.59	Apr 2172 \$338.11	May (1) 286 -\$457.97	June 319 \$144.99	July (1) 293 -\$130.93	Aug 0 \$0.00	Sept (2) 678 \$346.60	Oct 1473 \$317.96	Nov 3257 \$487.69	Dec 4579 \$588.15			
											2011 Y	TD Total U: 2011 YTD	sage (kwh) Total Cost	
Entire Ye	ear Using Re	enewable El	ectricity De	livered by N	lew York St	ate Electric	& Gas					7		
Jan 4027 \$523.86	Feb 4141 \$549.93	Mar 1516 \$287.00	Apr 515 \$155.04	May 334 \$138.66	June 344 \$161.01	July 289 \$134.87	Aug 325 \$154.12	Sept 303 \$316.80	Oct 0	Nov 1065 \$302.85	Dec 2601 \$520.97			
Accoun	t Holder - S	haw						LATA			2012 V	TD Total U:	cogo (kwh)	_ 16
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Entire Ye	ear Using Re	enewable El	ectricity De	livered by N	lew York St	ate Electric	& Gas					7		
				Mou	June	July	Aug	Sept	Oct	Nov	Dec			
Jan 2594 \$316.55	Feb 2875 \$522.94	Mar 2257 \$485.38	Apr 740 \$394.71	May 377 \$345.18	358 \$347.92	344 \$351.75	354 \$349.49	314 \$344.31	641 123.75 *	2658 \$515.42	3161 \$677.78			
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Jan 1 2594 1 2594 1 2594 2 2594 2 2394 2 2390 2 239	2875 \$522,94  error on Octob par Using Re Feb 3211 \$570,31  Feb 0* \$0.00  was not able to par Using Re Feb 2936 \$451,34	2257 \$485.38  aer billing, LAT enewable El  Mar 2684 \$581.33  aenewable El  Mar (3) 6735 \$1,203.75  aperform actu enewable El  Mar 1203 \$364.52	740 \$394.71 A notified NY3 ectricity Dei Apr 1007 \$359.97  ectricity Dei Apr 502 9 \$93.37 al meter readii ectricity Dei Apr 721 \$317.51	377 \$345.18 SEG of error a livered by N May 373 \$296.86 Livered by N May 320 \$283.90 May 320 \$283.90 May 327 \$278.90	358 \$347.92 Ind will get cor lew York St June 391 \$294.20 L June 400 \$394.41 L v. June 400 June 400 \$394.41 L L L L June June 400 L L L L L L L L L L L L L L L L L L	344 \$351.75  ATA rected bill ate Electric July 286 \$44.15  ATA ate Electric July 305 \$295.20  ATA ate Electric July 305 \$295.20  ATA ate Electric ate Electric ate Electric	354 \$349.49 & Gas Aug 350 \$294.56 & Gas Aug 357 \$292.74 & Gas Aug 357 \$292.74	\$344.31 Sept 324 \$292.42 Sept 324 \$289.40 Sept 367 \$314.22	123.75 *  Oct 352 \$295.25  Oct 433 \$296.82	Nov 1713 \$415.87  Nov (4) 993 -\$9.48	Dec 2204 \$239.73  2013 Y  Dec 2204 \$239.73  2014 Y  Dec 1484 \$392.39  2015 Y  Dec 3182 \$493.34  2016 Y	TD Total U:  TD Total U:  TD Total U:  TD Total U:  TD Total U:	Total Cost sage (kwh) Total Cost sage (kwh) Total Cost sage (kwh) Total Cost	= \$4, = 16, = 14, = \$3, = \$3,

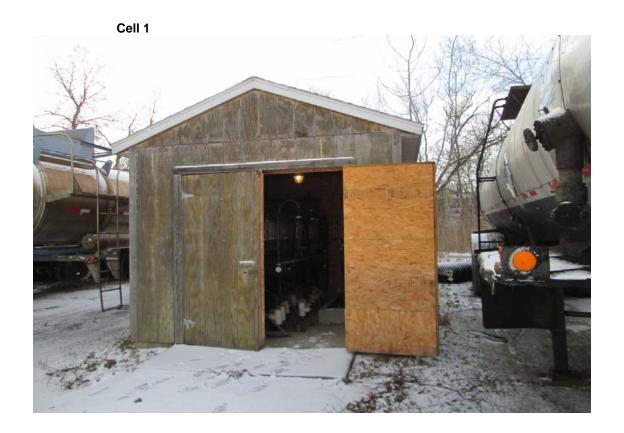
(2) = Usage and costs in September 2011 cover August 2011 as well.
(3) = Usage and costs in March 2015 cover February 2015 as well.
(4) = November 2015 cost is a previous deposit with interest credited back to account

# 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		
3/4/2017		
Snow, 20s		

Instrun	nent -	lden	titic	atior

	<u> </u>			Other			
Make/Model	Cal info		NA				NA
	lain Equipmer	nt Building					
Main Control Panel				Control Box	K Locked No Lock	Control	Door Locked No Lock
Hour Meter Reading - SVE Unit	18350.9		_				
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	ng Unit 135 4 <130 16 4	- - - - -	°F " H2O " H2O " H2O			
Grease Seals Checked Oil Levels Checked Belts Checked for Wear	✓ Yes ✓ Yes ✓ Yes	□ No □ No □ No		Г	Date of last Gr Pate of Last Oil Ch Belt Guard in F	ange 11/15/2011	- - -
Alarms Present (described below if	Yes)	□ Yes ☑	No				
Comments							
G	eneral Site Ob	oservations					
Check and Note Condition of Site Grass around Buildings Vines and Weeds around Buildings Comments		Trimmed Trimmed					
	NA						
SVE Wellhead air Flows Measured SVE Wells Sampled Carbon Changeout Performed Water Removal Performed Exterior of Main building and Cell Summary of Process Air Sampling				Yes	No No No No		
Summary of Other Activities							
	NA						

Date

3/4/2017



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

Field Data Reading Sheet

Site Name **VESTAL** Sampled By: S. Samaroo Date 3/4/2017 **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 **30** "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 **Building Locked** Yes □ No **✓** 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 38 135 "H2O Pressure at Injection Manifold °F Temperature at Injection Manifold 40 "H2O Vacuum at Vacuum Manifold 55  $^{0}\mathbf{F}$ Temperature at Vacuum Manifold 48 Vacuum at Knockout Tank 21 "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 135 "H2O °F Temperature at Injection Manifold 39 Vacuum at Vacuum Manifold "H2O 45  $^{0}\mathbf{F}$ Temperature at Vacuum Manifold 40 Vacuum at Knockout Tank 20 "H2O Water Pimp Pressure Relief Settings psi Comments

### **Daily Quality Control Report**

Date: 03/04/2017	Report No.									
Project: VESTAL	Day:	Su	М	T	W	Th	F		Sa	
Project no.: 60402566.11130644	Weather:	Clear	Clou	ıdy	Over	cast	Rain		Snow	
Project Manager: Nathan Canaris	Temp. (°F)	To 32°	32 - 50			50°- 70°			85° up	
Project QC Officer:	Wind:	Still	Mode	erate	Hi	gh				
	Humidity:	Dry	Mode	erate	Hi	gh				
Personnel onsite:										
Sunil Samaroo (AECOM)										
Sampling equipment on site:										
N/A										
Work performed:										
Performed general site observations, recor			gs in	mair	equi	pmen	t build	nik	g,	
Cell 1 distribution building, and Cell 2 distri	ibution build	ding.								

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

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

Report no.:

**Date**: 03/04/2017

**Project: VESTAL** 

Project no.: 60402566.11130644

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\_