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

May 11, 2017

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

SUBJECT: May 2017 Operating Report for the Vestal Well Field 1-1 Superfund Site, Area 4,

Vestal, New York

Dear Mr. Young:

Attached is the monthly report for May 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 NYI

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

Andrew Smith – USACE-NYD

File

TO: Travis Young, Project Manager

United States Army Corps of Engineers (USACE)

FROM: Nathan Canaris, Project Manager

Los Alamos Technical Associates, Inc. (LATA)

SUBJECT: May 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: May 11, 2017

CURRENT ACTIVITIES

LATA's technician visited the Vestal Area 4 Site for the regularly scheduled monthly O&M visit on May 3, 2017 to perform the routine monthly inspection and testing of the facilities and equipment.

Work performed during the May 3rd 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
04/01/17	18,351.7
05/03/17	18,352.9
	1.2 hrs. run time

OUTSTANDING ISSUES/RESOLUTIONS

NONE

PLANS FOR NEXT MONTH

Plans for the June 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	5	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 4134) \$776.
Entir	re Yea	r Usina Re	newable Fl	ectricity Del	livered by N	lew York St	ate Electric	& Gas				2009 Y	TD Total U: 2009 YTD		
2010 Jan 3360 \$481	0	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			
Entir	ro Voc	r I leina Pe	mewahle Fl	ectricity Del	livered by N	low York St	ate Electric	& Gae				2010 Y	TD Total U: 2010 YTD		
2011 Jan 4040 \$460	1	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			
Entir	re Yea	r Usina Re	newable El	ectricity Del	livered by N	lew York St	ate Electric	& Gas				2011 Y	TD Total U: 2011 YTD		
2012 Jan 4027 \$523	2 7 3.86	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			
		Holder - Sh		a atriait. Dal	livered by N	low Vork Ct	ata Flaatria	% Coo	LATA			2012 Y	TD Total U: 2012 YTD		
		r Using Re		Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	1		
2013 Jan 2594 \$316	4	Feb 2875 \$522.94	Mar 2257 \$485.38	740 \$394.71	377 \$345.18	358 \$347.92	344 \$351.75	354 \$349.49	314 \$344.31	641 123.75 *	2658 \$515.42	3161 \$677.78			
Jan 2594 \$316 *- NYS	4 6.55 'SEG er	2875 \$522.94 ror on Octobe	2257 \$485.38 er billing. LAT	740 \$394.71 A notified NYS	377 \$345.18 SEG of error a	358 \$347.92 L nd will get con	344 \$351.75 ATA rected bill	\$349.49				\$677.78	TD Total U: 2013 YTD		
Jan 2594 \$316 *- NYS	4 6.55 SEG er re Yea 4	2875 \$522.94 ror on Octobe	2257 \$485.38 er billing. LAT	740 \$394.71	377 \$345.18 SEG of error a	358 \$347.92 L nd will get con	344 \$351.75 ATA rected bill	\$349.49				\$677.78			
2594 \$316 *- NY3 Entire 2014 Jan 3356	4 6.55 SEG er re Yea 4	2875 \$522.94 ror on October r Using Re Feb 3211	2257 \$485.38 er billing. LAT enewable Ele Mar 2684	740 \$394.71 A notified NYS ectricity Del Apr 1007	377 \$345.18 SEG of error a livered by N May 373	358 \$347.92 Lend will get contained lew York Start June 391 \$294.20	344 \$351.75 ATA rected bill ate Electric July 286	\$349.49 & Gas Aug 350	\$344.31 Sept 324	123.75 * Oct 352	\$515.42 Nov 1713	2013 Y Dec 2204 \$239.73	2013 YTD	Total Cos	t = \$4,77
Jan 2594 \$316 *- NYS Entin 2014 Jan 3356 \$793	4 6.55 SEG er re Yea 4 6 3.03	2875 \$522.94 ror on Octobe r Using Re Feb 3211 \$570.31	2257 \$485.38 er billing. LAT. enewable Ele Mar 2684 \$581.33	740 \$394.71 A notified NYS ectricity Del Apr 1007	377 \$345.18 SEG of error a livered by N May 373 \$296.86	358 \$347.92 L nd will get con lew York St June 391 \$294.20 L	344 \$351.75 ATA rected bill ate Electric July 286 \$44.15 ATA	\$349.49 & Gas Aug 350 \$294.56	\$344.31 Sept 324	123.75 * Oct 352	\$515.42 Nov 1713	2013 Y Dec 2204 \$239.73	2013 YTD	Total Cos	t = \$4,77 (i) = 16,2
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(1) = may and July 2U11 cost is a previous deposit with interest credited back to accour (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

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	Sampled By:	S. Samaroo
60402566.1113064		
5/3/2017		
Overcast, 50s		

Instrument Identification				
	I va crévau vana	 40.00	11:004	

261 26 11		PID						Other
Make/Model	Cal info		NA					NA
	ain Equipme	ent Building						
Main Control Panel				Control Bo	ox Lock	ed No Lock	_ Control l	Door Locked No Lock
Hour Meter Reading - SVE Unit	18352.9		_					
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 Pump	180 4 <130 16 8	- - - - -	°F " H2C °F " H2C " H2C)			
Grease Seals Checked Oil Levels Checked Belts Checked for Wear	✓ Yes ✓ Yes ✓ Yes	□ No □ No □ No			Date of	ite of last Greas Last Oil Chang t Guard in Plac	ge 11/15/2011	- - -
Alarms Present (described below if	Yes)	□ Yes ☑	No					
Comments								
Ge	eneral Site O	bservations						
Check and Note Condition of Site Grass around Buildings Vines and Weeds around Buildings Comments	✓ OK	☐ Trimmed Trimmed						
	NA							
SVE Wellhead air Flows Measured SVE Wells Sampled Carbon Changeout Performed Water Removal Performed Exterior of Main building and Cell I	F ield Activity Buildings Insp			Yes Yes Yes Yes Yes Yes	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 5/3/2017 **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 1 120 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 38 130 "H2O Pressure at Injection Manifold °F Temperature at Injection Manifold 59 "H2O Vacuum at Vacuum Manifold 54 ^{0}F Temperature at Vacuum Manifold 63 Vacuum at Knockout Tank "H2O 15 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 130 "H2O Temperature at Injection Manifold 38 °F Vacuum at Vacuum Manifold "H2O 50 $^{0}\mathbf{F}$ Temperature at Vacuum Manifold 40 Vacuum at Knockout Tank 21 "H2O Water Pimp Pressure Relief Settings psi Comments

Daily Quality Control Report

Date: 05/03/2017		Repoi	rt No.					
Project: VESTAL	Day:	Su	М	Т	W	Th	F	Sa
Project no.: 60402566.11130644	Weather:	Clear	Clo	idy (Over	cast	Rain	Snow
Project Manager: Nathan Canaris	Temp. (°F)	To 32°	32 - 5		50 70	°-)°	70° - 85°	85° up
Project QC Officer:	Wind:	Still	Mode		Hiç			
	Humidity:	Dry	Mode	erate	Hiç	gh		
Personnel onsite:						•		
Sunil Samaroo (AECOM)								
Sampling equipment on site:								
N/A								
Work performed:							منام النييما	
Performed general site observations, recorded to distribution building, and Cell 2 distribution building.			igs in	maır	ı equi	pmeni	bullair	ıg,
Cell 1 distribution building, and Cell 2 distr	ibution build	ung.						

Sheet __1__ of __2__

Daily Quality Control Report (continued)

Report no.:

Date: 05/03/2017

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_