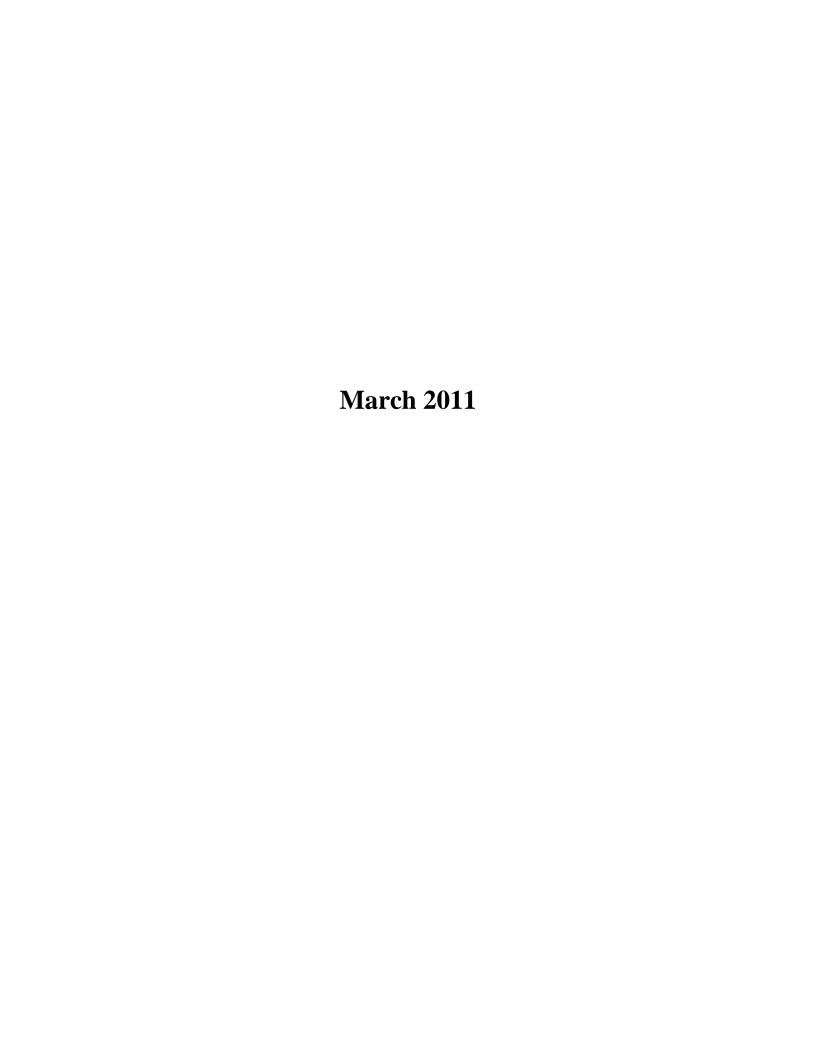
National Heatset Printing Site On-site DDC System Operation and Maintenance Reports (22 March 2011 – 29 March 2012)



Contractors:	ional Heatset Printing Site - 1 Adams Bould			nt			Syra	EA Engineering Pkwy., Suite 104 acuse, NY 13211 ae: 315-431-4610
Day: S	M T W TH F S		WEATHER	Bright Sun	Partly Cloudy	Overcast	Rain	Snow
Date: 22-	Mar-11		TEMP	To 32	32-50	50-70	70-85	85 and up
REPORT No. 31		•	WIND	Light	Moderate	High		·
PAGE No. 1		•	HUMIDITY	Dry	Moderate	Humid		
		•	WIND DIR	NÉ	NW	SE	SW	
PREPARED BY: The	omas Fitzpatrick TITLE: Site Rep.		WIND DIK	N	S	Е	W	
AVEDAGE FIELD FORCE								
AVERAGE FIELD FORCE Name of Contractor	Title	Hours \	Mankad			Dam		1
Rob Peterson	Geologist	11:00 -			Remarks EA			
Nob i etersori	Coologist	11.00	14.20				7.	l
VISITORS								
Name	Time (From - To)	Repres	enting			Rem	arks	
N/A	N/A	N.	'A			N	A	
FOURDMENT AT THE CITE		147 147 11						
EQUIPMENT AT THE SITE 1. Camera - W	I = Idle 13. Pressure Gauges - W	W = Working	5. Vacuum Pum	n \//		r		
2. PID - W	3. Piessule Gauges - W		5. Vacuum Pum	ip - vv		l		
2.110 **	l .							
OPERATION & MAINTENA	NCE ACTIVITIES							
EA Representative: Rob Peters	son							
	DESCRIPTION O	F WORK PERFORM	ED AND OBS	ERVED				
11:00 - EA arrived on-site. Both system	n running upon arrival.							
11:15 - Start of O&M on System #2.								
12:15 - Start of O&M on System #1.								
Ŭ ,	ronmental) arrives onsite to inspect SVE sy			•				
	auto-dialer. Auto-dialer re-configured and	checks all connections. A	uto-dialer will no	t call-out	manually and w	III not accept ca	alls.	
EA will re-inspect auto-dialer du	ring next weeks O&M leaves site. Both systems running upon d	oparturo						
14.45 - EA locks all trilee systems and	leaves site. Doin systems running upon o	epartule.						
	x - Designa	tes report is continued of	n additional pa	ges				
EA Representative: Ro	b Peterson		Project Ma	anager:	Don Conan			Page 1 of 5

National Heatset Printing Site, Farmingdale, NY Contract No., Site No. 152140 Monitoring Table March 22, 2011

DATE: 3/22/11 DAY: <u>Tuesday</u> EA TECHNICIAN: <u>Rob Peterson</u>

Weather: 45F, Partly Cloudy

TCE Groundwater Treatment System #1 STATUS: ON OFF

I: System Data Collection

Total Run Time Meter Reading: <u>5540</u> hours System Running at <u>41.0</u> Hz.

	Temperature Monitoring					
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments	
12:15	Extracted From Well	TI-01	17.0	62.6	DDC-1	
12:16	Extracted From Well	TI-02	17.0	62.6	DDC-2	
12:21	Pre-Heater Outlet	TI-03	31.5	88.7	Post Shell and Tubing	
12:22	Pre-Heater Input	TI-04	19.0	66.2	Before Shell and Tubing	
12:15	After Cooler Outlet	TI-05	43.5	110.3	Post Cooler Reading	
12:22	After Cooler Input	TI-06	51.0	123.8	Before Cooler Reading	
12:21	Blower Outlet	TI-07	64.0	147.2	Going to Pre-heater	
12:20	Between GAC Units	TI-08	33.0	91.4	After GAC #1	
12:20	GAC Unit Output	TI-09	31.0	87.8	After GAC #2	

Pressure/Vacuum Monitoring				
Time	Location	PI/VI-ID	Pressure	Comments
12:19	Discharge to Well	PI-01	2.5 PSI	DDC-1
12:19	Discharge to Well	PI-02	2.2 PSI	DDC-2
12:23	Drum	PI-03	-49.0 in. H2O	Vacuum Reading

	Flow Readings					
Time	IF-ID	Location	Flow (SCFM)			
12:16	FI-01	Extracted From DDC-1	250			
12:17	FI-02	Extracted From DDC-2	225			

Comments:

Flow meter F0-1 is functioning.

DAY: Tuesday

TECHNICIAN: Rob Peterson

Weather: 45F, Partly Cloudy

TCE Groundwater Treatment System #1

Influent Port

TIME	PID VOC ppm	Temp Deg. F
12:31	3.0	

Comments:

GAC Unit Information

Between GAC Unit #1 and GAC Unit #2

TIME	PID VOC ppm	Temp Deg. F
12:43	2.6	
Comments:		

PID VOC Temp Deg. TIME ppm 12:50 1.4

Effluent Port

Comments:

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-1	Bubbling over screen (sufficient).
DDC-2	Bubbling over screen (sufficient).

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-1	No sump associated with this well.
DDC-2	Approximately 1.0 inch of water in sump.

Liquid Levels in Knock-Out Tanks Comments: No liquid detected in either knock-out tank.

Oil Level on Blower Comments: Oil levels were good. Oil was changed on 3/9/2011 with Omega SB-220 oil. Additional Comments: None

III: System Evaluation



System is operating satisfactorily Recommendations

Keep close watch on FO-1 gauge to ensure same is properly operating. Operating within 10% of previous reading.

IV: Sampling / Lab Data

N/A

DATE: 3/22/11 DAY: <u>Tuesday</u> EA TECHNICIAN: <u>Rob Peterson</u>

Weather: 45F, Partly Cloudy

GWTT EQUIPMENT INFORMATION

TCE Groundwater Treatment System #2 STATUS: ON OFF

I: System Data Collection

Total Run Time Meter Reading: <u>5504</u> hours System Running at <u>43.0</u> Hz.

	Temperature Monitoring					
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments	
11:18	Carbon Unit Inlet	CA01	20.0	68.0	Carbon Unit #1	
11:25	Pre-Heater	PHA01	31.7	89.0	After Shell and Tubing	
11:27	Blower Panel	B01	66.0	145.0	Discharge Blower	
11:24	After Cooler Outlet	AC01	32.2	90.0	Post Cooler Piping	
11:25	Pre-Heater	PHB01	58.9	138.0	Before Shell and Tubing	

	Pressure/Vacuum Monitoring				
Time	Location	TI-ID	Pressure	Comments	
11:23	Knock-Out Tank	T01	-1.0 in. Hg	Vacuum gauge on knock-out tank	
11:19	Carbon-Unit #1 Outlet	CA1	-5.0 in. Hg	Vacuum exiting GAC #1	
11:22	Discharge to Wells	WD2	1.8 PSI	Pressure reading on piping prior to splicing off to both wells	
11:27	Blower Panel	BP01	-3.0 in.Hg		
11:17	Carbon Unit #2 Outlet	CA2	-4.5 in. Hg	Vacuum exiting GAC #2	
11:40	DDC-3	N/A	0.5 PSI	Pressure gauge on well head	
11:50	DDC-4	N/A	0.4 PSI	Pressure gauge on well head	

Flow Readings							
Time	TI-ID	Location	Flow (CFM)				
11:20	WD01	Injected Air to DDC-3	190				
11:20	WD02	Injected Air to DDC-4	170				
C	Comments None						

Weather: 45F, Partly Cloudy

TCE Groundwater Treatment System #2

		Influent	Port GAC#
	TIME	PID VOC ppm	Temp Deg. F
	11:38	0.5	N/A
Co	omments:	•	

GAC Unit Information

Influent Port GAC#2							
TIME	PID VOC ppm	Temp Deg. F					
11:42	0.4	N/A					
Commonto							

Effluent							
TIME	PID VOC ppm	Temp Deg. F					
11:45	0.4	N/A					
Commonte:							

II: System Maintenance and Observations

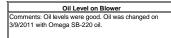
Inspection of Water Column in DDC Wells

Well#	Comments					
DDC-3	Bubbling over screen (sufficient)					
DDC-4	Bubbling over screen (sufficient)					

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-3	~1.0 inch of water in sump.
DDC-4	~1.5 inches of water in sump.

Liquid Levels in Knock-Out Tank
Comments: 1.75 inches of liquid
detected in Knock-Out Tank.



Addition Comments:	None

III: System Evaluation

I	$>\!\!<$	System is operating satisfactorily
		Recommendations

N1/4	
N/A	

Project: Na Contractors: AECOM Job No: Site No: AECOM Project Manager:	tional Heatset Printing Site - 1 Adams Boule	evard, Farmingdale, NY - Site	e Managemen	t			Syra	EA Engineering Pkwy., Suite 104 acuse, NY 13211 e: 315-431-4610
	DAILY REPO	<u>RT</u>						
Day: S	M T W TH F S	W	VEATHER	Bright Sun	Partly Cloudy	Overcast	Rain	Snow
Date: 31	-Mar-11		TEMP	To 32	32-50	50-70	70-85	85 and up
REPORT No. 32			WIND	Light	Moderate	High		
PAGE No. 1		н	IUMIDITY	Dry	Moderate	Humid		
. 7.02			_	NE	NW	SE	SW	
PREPARED BY: Th	omas Fitzpatrick TITLE: Site Rep.	Į V	WIND DIR	N	S	E	W	
AVERAGE FIELD FORCE								
Name of Contractor	Title	Hours Wo					arks	
Rob Peterson	Geologist	11:00 - 13	3:00			E	A	
VISITORS								
Name	Time (From - To)	Represen	nting		Remarks			
N/A	N/A	N/A				N	A	
EQUIPMENT AT THE SITE		W = Working				_		
1. Camera - W	3. Pressure Gauges - W	5. \	Vacuum Pum	p - W				
2. PID - W								
OPERATION & MAINTENA	ANCE ACTIVITIES							
EA Representative: Rob Peters	son							
-								
	DESCRIPTION O	F WORK PERFORMED	AND OBS	ERVED				
11:00 - EA arrived on-site. Both syste	m running upon arrival.							
11:04 - Start of O&M on System #2.								
11:50 - Start of O&M on System #1.								
12:30 - EA troubleshoots SVE system	auto-dialer. Auto-dialer re-configured and	checks all connections. Auto	o-dialer will no	t call-out r	nanually and wi	ill not accept ca	alls.	
EA calls Phonetics, Inc. Techn	ical support for assistance. EA discovers p	hone line is not working (no d	dial tone).					
Verizon will be on-site 07 April	2011 to repair phone line.							
13:15 - EA locks all three systems and	d leaves site. Both systems running upon de	eparture.						
	x - Designat	tes report is continued on a	additional pa	ges				
EA Representative: Ro	<u>b Peterson</u>		Project Ma	anager:	Don Conan			Page 1 of 5

National Heatset Printing Site, Farmingdale, NY Contract No., Site No. 152140 Monitoring Table March 31, 2011

DATE: 3/31/11 DAY: Thursday EA TECHNICIAN: Rob Peterson

Weather: 43F, Overcast, Rain

TCE Groundwater Treatment System #1 STATUS: ON OFF

I: System Data Collection

Total Run Time Meter Reading: <u>5755.4</u> hours System Running at <u>41.0</u> Hz.

	Temperature Monitoring								
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments				
11:50	Extracted From Well	TI-01	16.0	60.8	DDC-1				
11:51	Extracted From Well	TI-02	15.5	59.9	DDC-2				
11:55	Pre-Heater Outlet	TI-03	30.0	86.0	Post Shell and Tubing				
11:56	Pre-Heater Input	TI-04	17.0	62.6	Before Shell and Tubing				
11:50	After Cooler Outlet	TI-05	40.0	104.0	Post Cooler Reading				
11:56	After Cooler Input	TI-06	49.0	120.2	Before Cooler Reading				
11:55	Blower Outlet	TI-07	62.0	143.6	Going to Pre-heater				
11:54	Between GAC Units	TI-08	31.0	87.8	After GAC #1				
11:54	GAC Unit Output	TI-09	29.0	84.2	After GAC #2				

	Pressure/Vacuum Monitoring								
Time	Location	PI/VI-ID	Pressure	Comments					
11:52	Discharge to Well	PI-01	2.5 PSI	DDC-1					
11:52	Discharge to Well	PI-02	2.2 PSI	DDC-2					
11:57	Drum	PI-03	-51.0 in. H2O	Vacuum Reading Inlet Blower					

Flow Readings							
Time	Flow (SCFM)						
11:51	FI-01	Extracted From DDC-1	250				
11:51	FI-02	Extracted From DDC-2	225				

Comments:
1) Flow meter F0-1 is functioning.

Weather: 45F, Partly Cloudy

TCE Groundwater Treatment System #1

Influent Port

TIME	PID VOC ppm	Temp Deg. F
11:59	2.4	NR

Comments: NR = Not Recorded

GAC Unit Information

Between GAC Unit #1 and GAC Unit #2

TIME	PID VOC ppm	Temp Deg.		
12:05	2.5	NR		
Comments:				

PID VOC Temp Deg. TIME NR 12:09 1.8

Effluent Port

Comments:

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

- 4	ineposition of trate, column in 220 traile					
	Well#	Comments				
	DDC-1	Bubbling over screen (sufficient).				
	DDC-2	Bubbling over screen (sufficient).				

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-1	No sump associated with this well.
DDC-2	Approximately 1.0 inch of water in sump.

Liquid Levels in Knock-Out Tanks

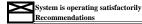
Comments: No liquid detected in either knock-out tank.

Oil Level on Blower

Comments: Oil levels were good. Oil was changed on 3/9/2011 with Omega SB-220 oil.

Additional Comments: None

III: System Evaluation



IV: Sampling / Lab Data

N/A

DATE: 3/31/11 DAY: Thursday EA TECHNICIAN: Rob Peterson

Weather: 45F, Partly Cloudy

GWTT EQUIPMENT INFORMATION

TCE Groundwater Treatment System #2 STATUS: ON OFF

I: System Data Collection

Total Run Time Meter Reading: <u>215.9</u> hours System Running at <u>43.0</u> Hz.

	Temperature Monitoring				
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments
11:17	Carbon Unit Inlet	CA01	16.0	60.8	Carbon Unit #1
11:13	Pre-Heater	PHA01	26.7	80.0	After Shell and Tubing
11:14	Blower Panel	B01	66.0	145.0	Discharge Blower
11:12	After Cooler Outlet	AC01	26.7	80.0	Post Cooler Piping
11:13	Pre-Heater	PHB01	51.7	125.0	Before Shell and Tubing

	Pressure/Vacuum Monitoring			
Time	Location	TI-ID	Pressure	Comments
11:11	Knock-Out Tank	T01	-0.2 in. Hg	Vacuum gauge on knock-out tank
11:16	Carbon-Unit #1 Outlet	CA1	-5.4 in. Hg	Vacuum exiting GAC #1
11:10	Discharge to Wells	WD2	1.8 PSI	Pressure reading on piping prior to splicing off to both wells
11:14	Blower Panel	BP01	-2.5 in.Hg	
11:15	Carbon Unit #2 Outlet	CA2	-4.7 in. Hg	Vacuum exiting GAC #2
11:44	DDC-3	N/A	0.4 PSI	Pressure gauge on well head
11:33	DDC-4	N/A	0.3 PSI	Pressure gauge on well head

	Flow Readings				
Time	Time TI-ID Location Flow (CFM)				
11:04	WD01	Injected Air to DDC-3	180		
11:04	WD02	Injected Air to DDC-4	160		
Common	to: None				

Weather: 45F, Partly Cloudy

TCE Groundwater Treatment System #2

	Influent	Port GAC#
TIME	PID VOC ppm	Temp Deg. F
11:20	0.5	N/A
Comments:		

GAC Unit Information

Influent Port GAC#2				
TIME	PID VOC ppm	Temp Deg. F		
11:26	0.4	N/A		
Comments:				

Effluent				
TIME	PID VOC ppm	Temp Deg.		
11:30	0.5	N/A		
Commenter				

II: System Maintenance and Observations

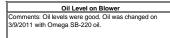
Inspection of Water Column in DDC Wells

Well#	Comments
DDC-3	Bubbling over screen (sufficient)
DDC-4	Bubbling over screen (sufficient)

Inspection of Sumps Associated with DDC Wells

	moposition of Gampo / tooosiatoa With DDG Wolld
Well#	Comments
DDC-3	~1.0 inch of water in sump.
DDC-4	~1.0 inches of water in sump.

Liquid Levels in Knock-Out Tan	ks
Comments: 1.75 inches of liquid	
detected in Knock-Out Tank.	



Addition Comments:	None

III: System Evaluation

I	$>\!\!<$	System is operating satisfactorily
		Recommendations

N/A



Contractors:AECOM Job No:	ational Heatset Printing Site - 1 Adams Boule		ent			Syra	EA Engineering Pkwy., Suite 104 acuse, NY 13211 e: 315-431-4610
Day: S		WEATHER	Bright	Partly	Overcast	Rain	Snow
Data: 7.4		TEMP	Sun	Cloudy 32-50	50-70	70-85	9E and up
Date: <u>7-/</u> REPORT No. 33		WIND	To 32	Moderate	High	70-65	85 and up
PAGE No. 1		HUMIDITY	3	Moderate	Humid		
TAGE No. 1			NF	NW	SE	SW	
PREPARED BY: Ro	bb Peterson TITLE: Geologist	WIND DIR	N	S	E	W	
AVERAGE FIELD FORCE							
Name of Contractor	Title	Hours Worked		Remarks			
Rob Peterson	Geologist	08:20 - 12:00			E	A	
VISITORS							
Name	Time (From - To)	Representing			Rem	narks	
N/A	N/A	N/A			N	IA.	
EQUIPMENT AT THE SITE 1. Camera - W 2. PID - W	I = Idle 3. Pressure Gauges - W	W = Working 5. Vacuum Pu	mp - W		I		
OPERATION & MAINTENA EA Representative: Rob Peters							
·							
		F WORK PERFORMED AND OB	SERVED				
08:20 - EA arrived on-site. Both syste	m running upon arrival.						
08:30 - Start of O&M on System #2.							
08:48 - Start of O&M on System #1. 11:00 - Verizon on-site to repair broke	on phone line for CVE gute dialor						
	pair. SVE auto-dialer.	A locks all three systems and leaves site	Roth sys	tems running un	on denarture		
12.00 Venzen milanes priorie inte re	pair. Ove add dialor is now operational.	t looks all three systems and leaves six	. Dour byo	terrio rarriirig ap	on acpartare.		J.
	x - Designat	tes report is continued on additional p	ages				
EA Representative: Ro	ob Peterson	Project I	/lanager:	Don Conan			Page 1 of 5

National Heatset Printing Site, Farmingdale, NY Contract No., Site No. 152140 Monitoring Table April 07, 2011

DATE: 4/7/11 DAY: Thursday EA TECHNICIAN: Rob Peterson

Weather: 45F, Overcast, Rain showers

TCE Groundwater Treatment System #1 STATUS: ON OFF

I: System Data Collection

Total Run Time Meter Reading: <u>5920.5</u> hours System Running at <u>41.0</u> Hz.

	Temperature Monitoring				
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments
8:49	Extracted From Well	TI-01	17.0	62.6	DDC-1
8:49	Extracted From Well	TI-02	17.0	62.6	DDC-2
8:47	Pre-Heater Outlet	TI-03	32.0	89.6	Post Shell and Tubing
8:48	Pre-Heater Input	TI-04	20.0	68.0	Before Shell and Tubing
8:49	After Cooler Outlet	TI-05	44.0	111.2	Post Cooler Reading
8:49	After Cooler Input	TI-06	51.0	123.8	Before Cooler Reading
8:48	Blower Outlet	TI-07	65.0	149.0	Going to Pre-heater
8:51	Between GAC Units	TI-08	33.0	91.4	After GAC #1
8:51	GAC Unit Output	TI-09	31.0	87.8	After GAC #2

		Pressure/Va	acuum Monitoring	
Time	Location	PI/VI-ID	Pressure	Comments
8:51	Discharge to Well	PI-01	2.5 PSI	DDC-1
8:51	Discharge to Well	PI-02	2.2 PSI	DDC-2
8:47	Drum	PI-03	-50.0 in. H2O	Vacuum Reading Inlet Blower

Flow Readings				
Time IF-ID		Location	Flow (SCFM)	
8:50	FI-01	Extracted From DDC-1	250	
8:50	FI-02	Extracted From DDC-2	225	

Comments:

Weather: 45F, Overcast, Rain showers

TCE Groundwater Treatment System #1

Influent Port

TIME	PID VOC ppm	Temp Deg. F
8:54	3.0	NR

Comments: NR = Not Recorded

GAC Unit Information

Between GAC Unit #1 and GAC Unit #2

	TIME	PID VOC ppm	Temp Deg.
	8:57	2.4	NR
Į	8:57	2.4	NR

Comments:

Effluent Port				
TIME	PID VOC ppm	Temp Deg.		
9:00	1.1	NR		

Comments:

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-1	Bubbling over screen (sufficient).
DDC-2	Bubbling over screen (sufficient).

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-1	No sump associated with this well.
DDC-2	Approximately 1.0 inch of water in sump.

Liquid Levels in Knock-Out Tanks			
Comments: N	o liquid detected in eithe		
knock-out tank	c.		

Oil Level on Blower			
Comments: Oil levels were good. Oil was changed on 3/9/2011 with Omega SB-220 oil.			

dditional Comments:	None
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III: System Evaluation

\times	System is operating satisfactoril
	Recommendations

N/A

DATE: 47/11 DAY: Thursday EA TECHNICIAN: Rob Peterson

Weather: 45F, Overcast, Rain showers

GWTT EQUIPMENT INFORMATION

TCE Groundwater Treatment System #2 STATUS: ON OFF

I: System Data Collection

Total Run Time Meter Reading: <u>5885.3</u> hours System Running at <u>43.0</u> Hz.

Temperature Monitoring					
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments
8:43	Carbon Unit Inlet	CA01	17.0	62.6	Carbon Unit #1
8:39	Pre-Heater	PHA01	26.7	80.0	After Shell and Tubing
8:40	Blower Panel	B01	66.0	145.0	Discharge Blower
8:38	After Cooler Outlet	AC01	27.2	81.0	Post Cooler Piping
8-30	Pre-Heater	PHR01	54 4	130.0	Before Shell and Tubing

	Pressure/Vacuum Monitoring				
Time	Location	TI-ID	Pressure	Comments	
8:38	Knock-Out Tank	T01	-1.2 in. Hg	Vacuum gauge on knock-out tank	
8:42	Carbon-Unit #1 Outlet	CA1	-5.5 in. Hg	Vacuum exiting GAC #1	
8:37	Discharge to Wells	WD2	1.8 PSI	Pressure reading on piping prior to splicing off to both wells	
8:41	Blower Panel	BP01	-2.7 in.Hg		
8:42	Carbon Unit #2 Outlet	CA2	-5.0 in. Hg	Vacuum exiting GAC #2	
9:10	DDC-3	N/A	0.4 PSI	Pressure gauge on well head	
9:15	DDC-4	N/A	0.4 PSI	Pressure gauge on well head	

	Flow Readings					
Time TI-ID Location Flow (CFM)						
8:35	8:35 WD01 Injected Air to DDC-3		180			
8:35 WD02 Injected Air to DDC-4		140				
Comments Name						

Weather: 45F, Overcast, Rain Showers

TCE Groundwater Treatment System #2

Influent Port GAC					
TIME	PID VOC ppm	Temp Deg. F			
8:43	0.6	NR			

Comments: NR = Not Recorded

GAC Unit Information

Influent Port C				
TIME	PID VOC ppm	Temp Deg. F		
8:45	0.6	NR		
Comments:				

Effluent					
TIME	PID VOC ppm	Temp Deg. F			
8:47	0.5	NR			
^					

II: System Maintenance and Observations

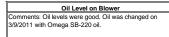
Inspection of Water Column in DDC Wells

Well#	Comments
DDC-3	Bubbling over screen (sufficient)
DDC-4	Bubbling over screen (sufficient)

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-3	~1.0 inch of water in sump.
DDC-4	~1.0 inches of water in sump.

Liquid Levels in Knock-Out Tanks
Comments: 2 inches of liquid detecte
in Knock-Out Tank.



|--|

III: System Evaluation

System is operating satisfactorily			
		Recommendations	

N/A

Project: National Heatset Printing Site - 1 Adams Boulevard, Farmingdale, NY - Site Management Contractors: AECOM Job No: Site No: AECOM Project Manager:							Syra	EA Engineering Pkwy., Suite 104 acuse, NY 13211 ae: 315-431-4610
	DAILY REPO	<u>ORT</u>						
Day:	S M T W TH F S	7	WEATHER	Bright Sun	Partly Cloudy	Overcast	Rain	Snow
Date:	21-Apr-11		TEMP	To 32	32-50	50-70	70-85	85 and up
REPORT No.	34	_	WIND	Light	Moderate	High		
PAGE No.	1	_	HUMIDITY	Dry	Moderate	Humid		
		<u> </u>	WIND DIR	NE	NW	SE	SW	
PREPARED BY:	Rob Peterson TITLE: Geologist	_		N	S	Е	W	
AVERAGE FIELD FORC	E							
Name of Contractor	Title	Hours	Hours Worked		Remarks			
Rob Peterson	Geologist	08:20	- 12:00		EA			
VISITORS								
Name	Time (From - To)	Penro	senting			Pom	arks	
N/A	N/A		I/A		NA NA			
EQUIPMENT AT THE SI	TE I = Idle	W = Working						
1. Camera - W	3. Pressure Gauges - W		5. Vacuum Pum	np - W		1		
2. PID - W	Ü			•				
OPERATION & MAINTE	NANCE ACTIVITIES							
EA Representative: Rob Pet	erson							
		OF WORK PERFORM	ED AND OBS	ERVED	<u> </u>			
10:15 - EA arrived on-site. Both sy	- ·							
10:20 - Start of O&M on System #2 11:00 - Start of O&M on System #1								
,	leaves site. Both systems running upon de	parture.						
	x - Design	nates report is continued	on additional pa	iges				
EA Representative:	Rob Peterson		Project M	anager:	Don Conan			Page 1 of 5

National Heatset Printing Site, Farmingdale, NY Contract No., Site No. 152140 Monitoring Table April 21, 2011

DATE: 4/21/11 DAY: Thursday EA TECHNICIAN: Rob Peterson

Weather: 50F, Partly Cloudy

TCE Groundwater Treatment System #1 STATUS: ON OFF

I: System Data Collection

Total Run Time Meter Reading: <u>6258.2</u> hours System Running at <u>41.0</u> Hz.

	Temperature Monitoring							
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments			
11:03	Extracted From Well	TI-01	16.0	60.8	DDC-1			
11:03	Extracted From Well	TI-02	16.0	60.8	DDC-2			
11:00	Pre-Heater Outlet	TI-03	28.0	82.4	Post Shell and Tubing			
11:02	Pre-Heater Input	TI-04	17.0	62.6	Before Shell and Tubing			
11:03	After Cooler Outlet	TI-05	29.0	84.2	Post Cooler Reading			
11:03	After Cooler Input	TI-06	46.0	114.8	Before Cooler Reading			
11:02	Blower Outlet	TI-07	60.0	140.0	Going to Pre-heater			
11:06	Between GAC Units	TI-08	28.0	82.4	After GAC #1			
11:06	GAC Unit Output	TI-09	28.0	82.4	After GAC #2			

	Pressure/Vacuum Monitoring						
Time	Location	PI/VI-ID	Pressure	Comments			
11:06	Discharge to Well	PI-01	2.7 PSI	DDC-1			
11:06	Discharge to Well	PI-02	2.5 PSI	DDC-2			
11:00	Drum	PI-03	-50.0 in. H2O	Vacuum Reading Inlet Blower			

Flow Readings					
Time	IF-ID	Location	Flow (SCFM)		
11:04	FI-01	Extracted From DDC-1	250		
11:04	FI-02	Extracted From DDC-2	225		

Comments:

Weather: 50F, Partly Cloudy

TCE Groundwater Treatment System #1

Influent Port

TIME	PID VOC ppm	Temp Deg. F
11:08	3.0	NR

Comments: NR = Not Recorded

GAC Unit Information

Between GAC Unit #1 and GAC Unit #2

TIME	PID VOC ppm	Temp Deg. F				
11:11	2.4	NR				
Comments:						

 TIME
 PID VOC ppm
 Temp Deg. F

 11:14
 1.1
 NR

Effluent Port

Comments:

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-1	Bubbling over screen (sufficient).
DDC-2	Bubbling over screen (sufficient).

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-1	No sump associated with this well.
DDC-2	Approximately 1.0 inch of water in sump.

Liquid Levels in Knock-Out Tanks Comments: No liquid detected in either knock-out tank.

Oil Level on Blower	
Comments: Oil levels were good. Oil was changed on	
3/9/2011 with Omega SB-220 oil.	

Additional Comments: None

III: System Evaluation

Recommendations	\mathbf{x}	System is operating	satisfactoril
recommendations		Recommendations	

N/A	
1 1//A	

DATE: 4/21/11 DAY: Thursday EA TECHNICIAN: Rob Peterson

Weather: 50F, Partly Cloudy

GWTT EQUIPMENT INFORMATION

TCE Groundwater Treatment System #2 STATUS: ON OFF

I: System Data Collection

Total Run Time Meter Reading: <u>6223</u> hours System Running at <u>43.0</u> Hz.

	Temperature Monitoring				
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments
10:20	Carbon Unit Inlet	CA01	18.0	64.4	Carbon Unit #1
10:23	Pre-Heater	PHA01	32.2	90.0	After Shell and Tubing
10:24	Blower Panel	B01	75.0	167.0	Discharge Blower
10:23	After Cooler Outlet	AC01	35.0	95.0	Post Cooler Piping
10:24	Pre-Heater	PHB01	62.8	145.0	Before Shell and Tubing

	Pressure/Vacuum Monitoring				
Time	Location	TI-ID	Pressure	Comments	
10:22	Knock-Out Tank	T01	-2.5 in. Hg	Vacuum gauge on knock-out tank	
10:20	Carbon-Unit #1 Outlet	CA1	-6.5 in. Hg	Vacuum exiting GAC #1	
10:22	Discharge to Wells	WD2	2.1 PSI	Pressure reading on piping prior to splicing off to both wells	
10:24	Blower Panel	BP01	-3.5 in.Hg		
10:22	Carbon Unit #2 Outlet	CA2	-6.0 in. Hg	Vacuum exiting GAC #2	
10:37	DDC-3	N/A	0.4 PSI	Pressure gauge on well head	
10:48	DDC-4	N/A	0.4 PSI	Pressure gauge on well head	

	Flow Readings				
Time	TI-ID	Location	Flow (CFM)		
10:21	WD01	Injected Air to DDC-3	140		
10:21	WD02	Injected Air to DDC-4	140		
Comments: None					

Weather: 45F, Partly Cloudy

TCE Groundwater Treatment System #2

Influent Port GAC#				
TIME	PID VOC ppm	Temp Deg. F		
10:26	0.6	NR		

Comments: NR = Not Recorded

GAC Unit Information

	Infl	uent Port G	
TIME	PID VOC ppm	Temp Deg. F	
10:29	0.6	NR	
Commonts:			

Effluent				
TIME	PID VOC ppm	Temp Deg. F		
10:34	0.5	NR		
Commonto	•			

II: System Maintenance and Observations

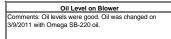
Inspection of Water Column in DDC Wells

Well#	Comments
DDC-3	Bubbling over screen (sufficient)
DDC-4	Bubbling over screen (sufficient)

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-3	~1.0 inch of water in sump.
DDC-4	~1.0 inches of water in sump.

	is in Knock-Out Tanks
	inches of liquid detected
in Knock-Out 1	Γank.



|--|

III: System Evaluation

I	$>\!<$	System is operating satisfactorily
ı		Recommendations
•		

N1/4	
N/A	

Contractors: AECOM Job No:		Printing Site - 1 Adams Bould			nt			Syra	EA Engineering Pkwy., Suite 104 acuse, NY 13211 ee: 315-431-4610
		DAILY REPO	<u>RT</u>						
Day:	S M T	W TH F S		WEATHER	Bright Sun	Partly Cloudy	Overcast	Rain	Snow
	29-Apr-11		•	TEMP	To 32	32-50	50-70	70-85	85 and up
REPORT No.			_	WIND	Light	Moderate	High		
PAGE No.	1		•	HUMIDITY	Dry	Moderate	Humid	0111	
DDEDADED DV.	D. I. D	TITI F. O. I		WIND DIR	NE N	NW S	SE E	SW W	
PREPARED BY:	Rob Peterson	TITLE: Geologist	•		IN	5		VV	
AVERAGE FIELD FORC	E								
Name of Contractor		Title	Hours	Worked			Rem	arks	
Rob Peterson		Geologist	10:45	- 11:45			E	Α	
VISITORS									
Name	Tim	ne (From - To)	Penre	senting			Pom	arks	
N/A		N/A		VA			N		
			•						
EQUIPMENT AT THE SI		I = Idle	W = Working						
1. Camera - W 2. PID - W		3. Pressure Gauges - W		5. Vacuum Pum	np - W				
2. PID - W				1					
OPERATION & MAINTE	NANCE ACTI	VITIES							
EA Representative: Rob Pet	erson	-							
•									
			F WORK PERFORM	IED AND OBS	ERVED)			
10:45 - EA arrived on-site. Both sys		arrival.							
10:47 - Start of O&M on System #2									
11:20 - Start of O&M on System #1									
11:45 - EA locks both systems and	leaves site. Both	systems running upon depa	arture.						
		x - Designa	ates report is continued	on additional pa	iges				
EA Representative:	Rob Peterson			Project M	anager:	Don Conan			Page 1 of 5

National Heatset Printing Site, Farmingdale, NY Contract No., Site No. 152140 Monitoring Table April 29, 2011

DATE: 4/29/11 DAY: Friday EA TECHNICIAN: Rob Peterson

Weather: 75F, Sunny

TCE Groundwater Treatment System #1 STATUS: ON OFF

I: System Data Collection

Total Run Time Meter Reading: <u>6450.7</u> hours System Running at <u>41.0</u> Hz.

	Temperature Monitoring						
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments		
11:24	Extracted From Well	TI-01	17.0	62.6	DDC-1		
11:24	Extracted From Well	TI-02	17.0	62.6	DDC-2		
11:21	Pre-Heater Outlet	TI-03	31.0	87.8	Post Shell and Tubing		
11:23	Pre-Heater Input	TI-04	20.0	68.0	Before Shell and Tubing		
11:23	After Cooler Outlet	TI-05	34.0	93.2	Post Cooler Reading		
11:22	After Cooler Input	TI-06	48.0	118.4	Before Cooler Reading		
11:22	Blower Outlet	TI-07	63.0	145.4	Going to Pre-heater		
11:26	Between GAC Units	TI-08	31.0	87.8	After GAC #1		
11:26	GAC Unit Output	TI-09	29.0	84.2	After GAC #2		

	Pressure/Vacuum Monitoring							
Time	Location	PI/VI-ID	Pressure	Comments				
11:25	Discharge to Well	PI-01	3.0 PSI	DDC-1				
11:25	Discharge to Well	PI-02	2.6 PSI	DDC-2				
11:21	Drum	PI-03	-51.0 in. H2O	Vacuum Reading Inlet Blower				

Flow Readings					
Time	IF-ID	Location	Flow (SCFM)		
11:20	FI-01	Extracted From DDC-1	250		
11:20 FI-02 Extracted From DDC-2 225					

Comments:

Weather: 75F, Sunny

TCE Groundwater Treatment System #1

Influent Port

TIME	PID VOC ppm	Temp Deg. F
11:28	2.7	NR

Comments: NR = Not Recorded

GAC Unit Information

Between GAC Unit #1 and GAC Unit #2

TIME	PID VOC ppm	Temp Deg.			
11:34	2.5	NR			
Comments:					

 TIME
 PID VOC ppm
 Temp Deg. F

 11:38
 1.6
 NR

Effluent Port

Comments:

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-1	Bubbling over screen (sufficient).
DDC-2	Bubbling over screen (sufficient).

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-1	No sump associated with this well.
DDC-2	Approximately 1.0 inch of water in sump.

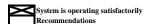
Liquid Levels in Knock-Out Tanks Comments: No liquid detected in either

Comments: No liquid detected in eith knock-out tank.

Oil Level on Blower		
Comments: Oil levels were good. Oil was changed on 3/9/2011 with Omega SB-220 oil.		

Additional Comments: None

III: System Evaluation



DATE: 4/29/11 DAY: Friday EA TECHNICIAN: Rob Peterson

Weather: 75F, Sunny

GWTT EQUIPMENT INFORMATION

TCE Groundwater Treatment System #2 STATUS: ON OFF

I: System Data Collection

Total Run Time Meter Reading: <u>6415</u> hours System Running at <u>43.0</u> Hz.

Temperature Monitoring					
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments
10:47	Carbon Unit Inlet	CA01	26.0	78.8	Carbon Unit #1
10:50	Pre-Heater	PHA01	37.8	100.0	After Shell and Tubing
10:51	Blower Panel	B01	75.0	190.0	Discharge Blower
10:49	After Cooler Outlet	AC01	42.2	108.0	Post Cooler Piping
10:50	Pre-Heater	PHB01	71.1	160.0	Before Shell and Tubing

Pressure/Vacuum Monitoring				
Time	Location	TI-ID	Pressure	Comments
10:48	Knock-Out Tank	T01	-2.5 in. Hg	Vacuum gauge on knock-out tank
10:47	Carbon-Unit #1 Outlet	CA1	-6.5 in. Hg	Vacuum exiting GAC #1
10:47	Discharge to Wells	WD2	2.1 PSI	Pressure reading on piping prior to splicing off to both wells
10:51	Blower Panel	BP01	-3.5 in.Hg	
10:48	Carbon Unit #2 Outlet	CA2	-6.0 in. Hg	Vacuum exiting GAC #2
11:05	DDC-3	N/A	0.4 PSI	Pressure gauge on well head
11:13	DDC-4	N/A	0.4 PSI	Pressure gauge on well head

Flow Readings			
Time	TI-ID	Location	Flow (CFM)
10:46	WD01	Injected Air to DDC-3	140
10:46	WD02	Injected Air to DDC-4	140
Comments: None			

Weather: 75F, Sunny

TCE Groundwater Treatment System #2

Comments: NR = Not Recorded

GAC Unit Information

Influent Port GAC#2			
TIME	PID VOC ppm	Temp Deg. F	
10:55	0.5	NR	
Commonto			,

Effluent			
TIME	PID VOC ppm	Temp Deg. F	
10:58	0.5	NR	

II: System Maintenance and Observations

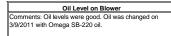
Inspection of Water Column in DDC Wells

Well#	Comments
DDC-3	Bubbling over screen (sufficient)
DDC-4	Bubbling over screen (sufficient)

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-3	~1.0 inch of water in sump.
DDC-4	~1.0 inches of water in sump.

Liquid Levels in Knock-Out Tan
Comments: No liquid detected in
Knock-Out Tank.

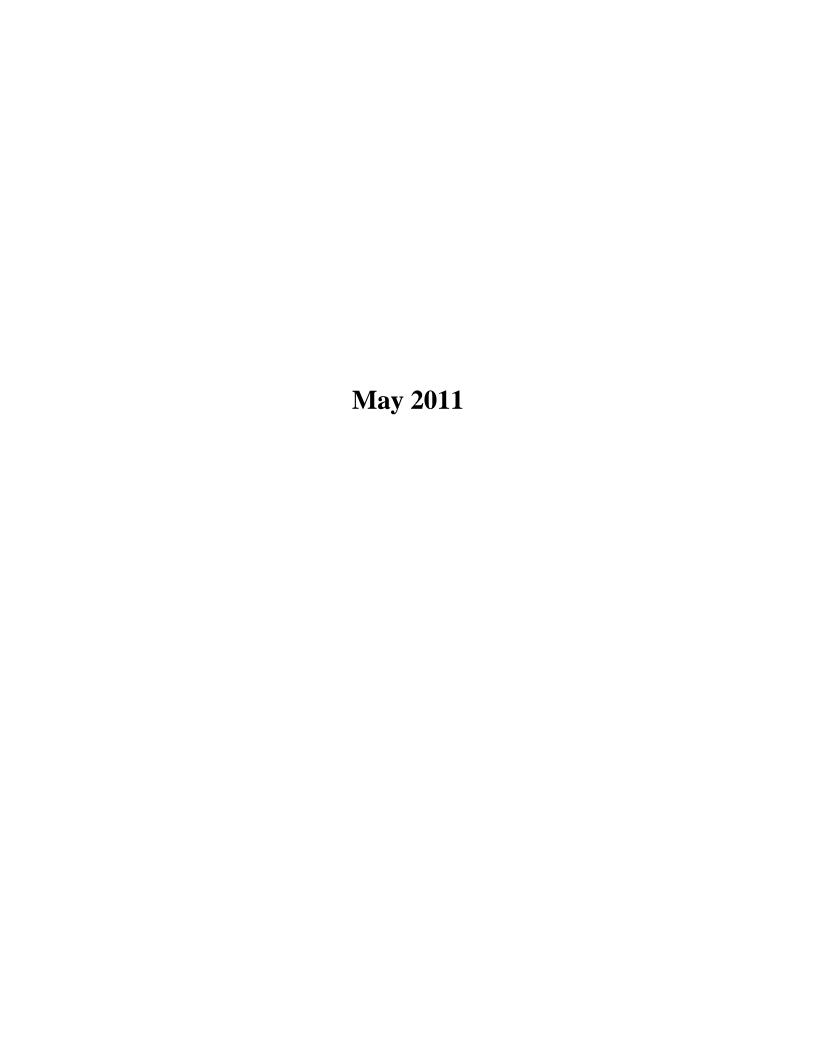


Addition Comments:	None

III: System Evaluation

I	$>\!\!<$	System is operating satisfactorily
		Recommendations

N/A



						Syra	Pkwy., Suite 104 acuse, NY 13211 ae: 315-431-4610
	DAILY REPOR	<u>RT</u>					
Day: S M	T W TH F S	WEATHER	Bright Sun	Partly Cloudy	Overcast	Rain	Snow
Date: 12-May-1	1	TEMP	To 32	32-50	50-70	70-85	85 and up
REPORT No. 36		WIND	Light	Moderate	High		
PAGE No. 1		HUMIDITY	Dry	Moderate	Humid		
		WIND DIR	NE	NW	SE	SW	
PREPARED BY: Rob Pete	rson TITLE: Geologist		N	S	E	W	
AVERAGE FIELD FORCE							
Name of Contractor	Title	Hours Worked			Rem	arks	
Rob Peterson	Geologist	10:00 - 11:00			E	A	
VISITORS							
Name	Time (From - To)	Representing			Pom	arks	
N/A	N/A	N/A			N		
EQUIPMENT AT THE SITE		W = Working					
1. Camera - W	3. Pressure Gauges - W	5. Vacuum Pum	ıp - W				
2. PID - W							
OPERATION & MAINTENANCE	E ACTIVITIES						
EA Representative: Rob Peterson							
	DESCRIPTION OF	F WORK PERFORMED AND OBS	EDVED				
10:00 - EA arrived on-site. Both system runn		F WORK PERFORMED AND OBS	EKVED				
10:05- Start of O&M on System #2.	ing upon anival.						
10:35 - Start of O&M on System #1.							
11:00 - EA locks both systems and leaves si	te. Both systems running upon depar	ture.					
	x - Designat	es report is continued on additional pa	ges				
EA Representative: Rob Pete	erson	Project Ma	anager:	Don Conan			Page 1 of 5

National Heatset Printing Site, Farmingdale, NY Contract No., Site No. 152140 Monitoring Table May 12, 2011

DATE: 5/12/11 DAY: Thursday EA TECHNICIAN: Rob Peterson

Weather: 75F, Sunny

TCE Groundwater Treatment System #1 STATUS: ON OFF

I: System Data Collection

Total Run Time Meter Reading: <u>6762</u> hours System Running at <u>41.0</u> Hz.

	Temperature Monitoring							
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments			
10:34	Extracted From Well	TI-01	17.0	62.6	DDC-1			
10:34	Extracted From Well	TI-02	18.0	64.4	DDC-2			
10:31	Pre-Heater Outlet	TI-03	30.0	86.0	Post Shell and Tubing			
10:33	Pre-Heater Input	TI-04	19.0	66.2	Before Shell and Tubing			
10:33	After Cooler Outlet	TI-05	31.0	87.8	Post Cooler Reading			
10:32	After Cooler Input	TI-06	45.0	113.0	Before Cooler Reading			
10:32	Blower Outlet	TI-07	60.0	140.0	Going to Pre-heater			
10:36	Between GAC Units	TI-08	29.0	84.2	After GAC #1			
10:36	GAC Unit Output	TI-09	27.0	80.6	After GAC #2			

Pressure/Vacuum Monitoring							
Time	Location	PI/VI-ID	Pressure	Comments			
10:35	Discharge to Well	PI-01	2.8 PSI	DDC-1			
10:35	Discharge to Well	PI-02	2.5 PSI	DDC-2			
10:31	Drum	PI-03	-51.0 in. H2O	Vacuum Reading Inlet Blower			

Flow Readings						
Time	IF-ID	Location	Flow (SCFM)			
10:30	FI-01	Extracted From DDC-1	250			
10:30	FI-02	Extracted From DDC-2	225			

Comments:

DAY: Thursday

EA TECHNICIAN: Rob Peterson

Weather: 75F, Sunny

TCE Groundwater Treatment System #1

Influent Port

TIME	PID VOC ppm	Temp Deg. F	
10:37	2.6	NR	

Comments: NR = Not Recorded

GAC Unit Information

Between GAC Unit #1 and GAC Unit #2

TIME	PID VOC ppm	Temp Deg F				
10:40	2.2	NR				
Comments:						

Comments:

PID VOC TIME NR 10:44 2.0

Effluent Port

Temp Deg.

II: System Maintenance and Observations

- 4		inoposition of trate. Column in DDG traile
	Well#	Comments
	DDC-1	Bubbling over screen (sufficient).
	DDC-2	Bubbling over screen (sufficient).

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-1	No sump associated with this well.
DDC-2	Approximately 1.0 inch of water in sump.

Liquid Levels in Knock-Out Tanks Comments: No liquid detected in either

Oil Level on Blower Comments: Oil levels were good. Oil was changed on 3/9/2011 with Omega SB-220 oil. Additional Comments: None

III: System Evaluation

knock-out tank.

	X	System is operati	ng satisfactorily
I		Recommendation	ıs

IV: Sampling / Lab Data

N/A

DATE: 5/12/11 DAY: Tursday EA TECHNICIAN: Rob Peterson

Weather: 75F, Sunny

GWTT EQUIPMENT INFORMATION

TCE Groundwater Treatment System #2 STATUS: ON OFF

I: System Data Collection

Total Run Time Meter Reading: <u>6726</u> hours System Running at <u>43.0</u> Hz.

	Temperature Monitoring						
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments		
10:06	Carbon Unit Inlet	CA01	25.0	77.0	Carbon Unit #1		
10:09	Pre-Heater	PHA01	35.0	95.0	After Shell and Tubing		
10:10	Blower Panel	B01	86.7	188.0	Discharge Blower		
10:08	After Cooler Outlet	AC01	38.9	102.0	Post Cooler Piping		
10:09	Pre-Heater	PHB01	70.0	158.0	Before Shell and Tubing		

	Pressure/Vacuum Monitoring			
Time	Location	TI-ID	Pressure	Comments
10:07	Knock-Out Tank	T01	-3.0 in. Hg	Vacuum gauge on knock-out tank
10:06	Carbon-Unit #1 Outlet	CA1	-7.0 in. Hg	Vacuum exiting GAC #1
10:11	Discharge to Wells	WD2	2.4 PSI	Pressure reading on piping prior to splicing off to both wells
10:51	Blower Panel	BP01	-4.5 in.Hg	
10:07	Carbon Unit #2 Outlet	CA2	-6.5 in. Hg	Vacuum exiting GAC #2
10:23	DDC-3	N/A	0.4 PSI	Pressure gauge on well head
10:27	DDC-4	N/A	0.4 PSI	Pressure gauge on well head

Flow Readings			
Time	TI-ID	Location	Flow (CFM)
10:05	WD01	Injected Air to DDC-3	140
10:05	WD02	Injected Air to DDC-4	140
^			

Weather: 75F, Sunny

TCE Groundwater Treatment System #2

Comments: NR = Not Recorded

GAC Unit Information

	Infl	uent Port G	AC#2
TIME	PID VOC ppm	Temp Deg. F	
10:15	0.5	NR	
Commonto			1

	Effluent	
TIME	PID VOC ppm	Temp Deg. F
10:17	0.5	NR
Commonto	·	

II: System Maintenance and Observations

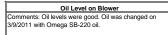
Inspection of Water Column in DDC	Well
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Well#	Comments
DDC-3	Bubbling over screen (sufficient)
DDC-4	Bubbling over screen (sufficient)

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-3	~1.0 inch of water in sump.
DDC-4	~1.0 inches of water in sump.

Liquid Levels in Knock-Out Tanks
Comments: Two inches detected in
Knock-Out Tank.





III: System Evaluation

System is operating satisfactorily			
	Recommendations		

N/A	
-----	--

PHOTOLOG: 5/12/2011



View of graffiti on SVE unit.



View of graffiti on SVE unit.

PHOTOLOG: 5/12/2011



View of graffiti on SVE unit.



Project: Nat Contractors: AECOM Job No: Site No: AECOM Project Manager:	tional Heatset Printing Site - 1 Adams Bould		Site Managemer	nt			Syra	EA Engineering Pkwy., Suite 104 cuse, NY 13211 e: 315-431-4610
	DAILY REPO	<u>KI</u>						
Day: S	M T W TH F S		WEATHER	Bright Sun	Partly Cloudy	Overcast	Rain	Snow
Date: 19-	May-11		TEMP	To 32	32-50	50-70	70-85	85 and up
REPORT No. 37		-	WIND	Light	Moderate	High		
PAGE No. <u>1</u>		_	HUMIDITY	Dry	Moderate	Humid		
			WIND DIR	NE	NW	SE	SW	
PREPARED BY: Rot	Peterson TITLE: Geologist			N	S	Е	W	
AVERAGE FIELD FORCE								
Name of Contractor	Title	Hours \				Rem	arks	
Rob Peterson	Geologist	10:30	12:00			E	Α	
VISITORS								
Name	Time (From - To)	Repres					arks	
N/A	N/A	N.	Ά			N	A	
EQUIPMENT AT THE SITE	I = Idle	W = Working						
1. Camera - W	3. Pressure Gauges - W		Vacuum Pum	ıp - W				
2. PID - W						-		
OPERATION & MAINTENA	NCE ACTIVITIES							
EA Representative: Rob Peters	son							Ī
	DESCRIPTION O	F WORK PERFORM	ED AND OBS	ERVED				
10:30 - EA arrived on-site. Both system	n running upon arrival.							
10:32 - Start of O&M on System #2.								
11:00 - Start of O&M on System #1.								
	System is collecting large quantities of water		due to a higher	groundwa	iter table from i	nclement weatl	ner. EA de	ecides to lower air
	Blower is able to keep up with influx of wat							
11:00 - EA locks both systems and lea	ves site. Both systems running upon depa	arture.						
	x - Designa	ates report is continued of	n additional pa	ges				
EA Representative: Rol	b Peterson		Project Ma	anager:	Don Conan		ı	Page 1 of 5

National Heatset Printing Site, Farmingdale, NY Contract No., Site No. 152140 Monitoring Table May 19, 2011

Inlet Blower

DATE: 5/19/11 EA TECHNICIAN: Rob Peterson DAY: Thursday

Weather: 65F, Overcast

TCE Groundwater Treatment System #1 STATUS: ON OFF

I: System Data Collection

Total Run Time Meter Reading: 6930.7 hours System Running at 41.0 Hz.

	Temperature Monitoring						
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments		
11:03	Extracted From Well	TI-01	17.0	62.6	DDC-1		
11:03	Extracted From Well	TI-02	17.0	62.6	DDC-2		
11:01	Pre-Heater Outlet	TI-03	31.0	87.8	Post Shell and Tubing		
11:02	Pre-Heater Input	TI-04	20.0	68.0	Before Shell and Tubing		
11:02	After Cooler Outlet	TI-05	34.0	93.2	Post Cooler Reading		
11:02	After Cooler Input	TI-06	48.0	118.4	Before Cooler Reading		
11:01	Blower Outlet	TI-07	64.0	147.2	Going to Pre-heater		
11:05	Between GAC Units	TI-08	31.0	87.8	After GAC #1		
11:05	GAC Unit Output	TI-09	28.0	82.4	After GAC #2		

	Crite Crite Calpat				7 11101 07 10 112
		Pressure/V	acuum Monitoring		
Time	Location	PI/VI-ID	Press	ure	Comments
11:04	Discharge to Well	PI-01	3.2 F	rsi	DDC-1
11:04	Discharge to Well	PI-02	2.8 F	SI	DDC-2
			-51.0 in	. H2O	Vacuum Reading

Flow Readings				
Time	IF-ID	Location	Flow (SCFM)	
11:06	FI-01	Extracted From DDC-1	250	
11:06	FI-02	Extracted From DDC-2	225	

Comments:

DAY: Thursday

EA TECHNICIAN: Rob Peterson

Weather: 65F, Overcast

TCE Groundwater Treatment System #1

Inf	luent	Port

TIME	PID VOC ppm	Temp Deg. F
11:08	2.6	NR

Comments: NR = Not Recorded

GAC Unit Information

Between GAC Unit #1 and GAC Unit #2

	TIME	PID VOC ppm	Temp Deg.				
	11:10	2.2	NR				
•	Comments:						

 TIME
 PID VOC ppm
 Temp Deg. F

 11:12
 2.0
 NR

Effluent Port

Comments:

II: System Maintenance and Observations

Inspection of Water Column in DDC Wel

	inoposition of tratis, column in 220 trails
Well#	Comments
DDC-1	Bubbling over screen (sufficient).
DDC-2	Bubbling over screen (sufficient).

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-1	No sump associated with this well.
DDC-2	Approximately 1.0 inch of water in sump.

Liquid Levels in Knock-Out Tanks

Comments: No liquid detected in either knock-out tank.

Oil Level on Blower
Comments: Oil levels were good. Oil was changed on
3/9/2011 with Omega SB-220 oil.

Additional Comments: None

III: System Evaluation

System is operating satisfactor	ril
Recommendations	

DATE: 5/19/11 DAY: Thursday EA TECHNICIAN: Rob Peterson

Weather: 65F, Overcast

TCE Groundwater Treatment System #2 STATUS: ON OFF

I: System Data Collection

Total Run Time Meter Reading: <u>6895</u> hours System Running at <u>43.0</u> Hz.

	Temperature Monitoring					
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments	
10:33	Carbon Unit Inlet	CA01	27.0	80.6	Carbon Unit #1	
10:36	Pre-Heater	PHA01	37.8	100.0	After Shell and Tubing	
10:37	Blower Panel	B01	93.3	200.0	Discharge Blower	
10:35	After Cooler Outlet	AC01	41.1	106.0	Post Cooler Piping	
10:36	Pre-Heater	PHB01	77.8	172.0	Before Shell and Tubing	

	Pressure/Vacuum Monitoring							
Time	Location	TI-ID	Pressure	Comments				
10:35	Knock-Out Tank	T01	-4.0 in. Hg	Vacuum gauge on knock-out tank				
10:33	Carbon-Unit #1 Outlet	CA1	-8.0 in. Hg	Vacuum exiting GAC #1				
10:38	Discharge to Wells	WD2	2.5 PSI	Pressure reading on piping prior to splicing off to both wells				
10:39	Blower Panel	BP01	-4.0 in.Hg					
10:39	Carbon Unit #2 Outlet	CA2	-7.5 in. Hg	Vacuum exiting GAC #2				
11:30	DDC-3	N/A	0.4 PSI	Pressure gauge on well head				
11:35	DDC-4	N/A	0.4 PSI	Pressure gauge on well head				

	Flow Readings						
Time	TI-ID	Location	Flow (CFM)				
10:32 WD01		Injected Air to DDC-3	140				
10:32 WD02		Injected Air to DDC-4	140				

DAY: Thursday

Weather: 65F, Overcast

TCE Groundwater Treatment System #2

Influent Port GAC#						
TIME PID VOC ppm		Temp Deg. F				
10:40	0.5	NR				

Comments: NR = Not Recorded

GAC Unit Information

Influent Port G						
TIME	PID VOC ppm	Temp Deg. F				
10:43	0.5	NR				
Commonte:						

Effluent							
TIME	PID VOC ppm	Temp Deg.					
10:45	0.5	NR					
Commenter							

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-3	Bubbling over screen (sufficient)
DDC-4	Bubbling over screen (sufficient)

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-3	NR
DDC-4	NR

Liquid Levels in Knock-Out Tanks Comments: Two inches detected in Knock-Out Tank.



Addition Comments:	None

III: System Evaluation

I	$>\!\!<$	System is operating satisfactorily
		Recommendations

N/A

Contractors:AECOM Job No:	ttional Heatset Printing Site - 1 Adams Bou			nt			Syra	EA Engineering Pkwy., Suite 104 acuse, NY 13211 ne: 315-431-4610
	DAILY REPO	<u>DRT</u>						
Day: S	M T W TH F S		WEATHER	Bright Sun	Partly Cloudy	Overcast	Rain	Snow
Date: 19-	-May-11	-	TEMP	To 32	32-50	50-70	70-85	85 and up
REPORT No. 37		_	WIND	Light	Moderate	High		
PAGE No. 1		_	HUMIDITY	Dry	Moderate	Humid		
			WIND DIR	NE	NW	SE	SW	
PREPARED BY: Ro	b Peterson TITLE: Geologist	_		N	S	Е	W	
AVERAGE FIELD FORCE								
Name of Contractor	Title		Worked			Rem	arks	
Rob Peterson	Geologist	11:00	11:00 - 12:00			E	A	
VISITORS								
Name	Time (From - To)	Ponro	senting			Rem	arke	
N/A	N/A		J/A			N	-	
EQUIPMENT AT THE SITE		W = Working						
1. Camera - W	3. Pressure Gauges - W		5. Vacuum Pum	ıp - W				
2. PID - W			1					
OPERATION & MAINTENA	ANCE ACTIVITIES							
EA Representative: Rob Peters								
EA Representative. Nob Feters	5011							
	DESCRIPTION (OF WORK PERFORM	IFD AND OBS	FRVFD				
11:00 - EA arrived on-site. Both system		or worker bear oran	22 7412 020	LICTLD				
11:05 - Start of O&M on System #2.	 							
11:35 - Start of O&M on System #1.								
12:00 - EA locks both systems and lea	aves site. Both systems running upon dep	arture.						
-	x - Designa	ates report is continued	on additional pa	ges				
EA Representative: Ro	bb Peterson		Project Ma	anager:	Don Conan			Page 1 of 5

National Heatset Printing Site, Farmingdale, NY Contract No., Site No. 152140 Monitoring Table May 24, 2011

DATE: 5/24/11 DAY: Tuesday EA TECHNICIAN: Rob Peterson

Weather: 75F, Overcast

TCE Groundwater Treatment System #1 STATUS: ON OFF

I: System Data Collection

Total Run Time Meter Reading: <u>7050.7</u> hours System Running at <u>41.0</u> Hz.

	Temperature Monitoring								
Time Location TI-ID Temperature deg. C		Temperature deg. C	Temperature deg. F	Comments					
11:35	Extracted From Well	TI-01	17.0	62.6	DDC-1				
11:35	Extracted From Well	TI-02	17.0	62.6	DDC-2				
11:36	Pre-Heater Outlet	TI-03	31.0	87.8	Post Shell and Tubing				
11:36	Pre-Heater Input	TI-04	20.0	68.0	Before Shell and Tubing				
11:36	After Cooler Outlet	TI-05	34.0	93.2	Post Cooler Reading				
11:37	After Cooler Input	TI-06	48.0	118.4	Before Cooler Reading				
11:37	Blower Outlet	TI-07	64.0	147.2	Going to Pre-heater				
11:38	Between GAC Units	TI-08	31.0	87.8	After GAC #1				
11:38	GAC Unit Output	TI-09	28.0	82.4	After GAC #2				

		Pressure/V	acuum Monitoring	
Time	Location	PI/VI-ID	Pressure	Comments
11:39	Discharge to Well	PI-01	3.2 PSI	DDC-1
11:40	Discharge to Well	PI-02	2.8 PSI	DDC-2
11:40	Drum	PI-03	-51.0 in. H2O	Vacuum Reading Inlet Blower

Flow Readings					
Time	IF-ID	Location	Flow (SCFM)		
11:37	FI-01	Extracted From DDC-1	250		
11:37 FI-02 Extracted From DDC-2 225					

Comments:

Weather: 75F, Overcast

TCE Groundwater Treatment System #1

Influent Port

TIME	PID VOC ppm	Temp Deg. F
11:42	2.6	NR

Comments: NR = Not Recorded

GAC Unit Information

Between GAC Unit #1 and GAC Unit #2

TIME	PID VOC ppm	Temp Deg.				
11:44	2.2	NR				
 Comments:						

Comments:

TIME	PID VOC ppm	Temp Deg. F
11:46	2.0	NR

Effluent Port

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

	inoposition of tration solution in EDS trails
Well#	Comments
DDC-1	Bubbling over screen (sufficient).
DDC-2	Bubbling over screen (sufficient).

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-1	No sump associated with this well.
DDC-2	Approximately 1.0 inch of water in sump.

Liquid Levels in Knock-Out Tanks Comments: No liquid detected in either

Comments: No liquid detected knock-out tank.

Oil Level on Blower

Comments: Oil levels were good. Oil was changed on 3/9/2011 with Omega SB-220 oil.

dditional Comments: None	
--------------------------	--

III: System Evaluation

System is operating satisfactorily Recommendations

IV: Sampling / Lab Data

N/A

DATE: 5/24/11 DAY: Tuesday EA TECHNICIAN: Rob Peterson

Weather: 75F, Overcast

TCE Groundwater Treatment System #2 STATUS: ON OFF

I: System Data Collection

Total Run Time Meter Reading: <u>7050.7</u> hours System Running at <u>43.0</u> Hz.

	Temperature Monitoring					
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments	
11:05	Carbon Unit Inlet	CA01	27.0	80.6	Carbon Unit #1	
11:05	Pre-Heater	PHA01	37.8	100.0	After Shell and Tubing	
11:06	Blower Panel	B01	93.3	200.0	Discharge Blower	
11:06	After Cooler Outlet	AC01	41.1	106.0	Post Cooler Piping	
11:06	Pre-Heater	PHB01	77.8	172.0	Before Shell and Tubing	

Pressure/Vacuum Monitoring				
Time	Location	TI-ID	Pressure	Comments
11:08	Knock-Out Tank	T01	-4.0 in. Hg	Vacuum gauge on knock-out tank
11:08	Carbon-Unit #1 Outlet	CA1	-8.0 in. Hg	Vacuum exiting GAC #1
			2.5 PSI	Pressure reading on piping prior
11:09	Discharge to Wells	WD2		to splicing off to both wells
11:06	Blower Panel	BP01	-4.0 in.Hg	
11:10	Carbon Unit #2 Outlet	CA2	-7.5 in. Hg	Vacuum exiting GAC #2
11:18	DDC-3	N/A	0.4 PSI	Pressure gauge on well head
11:25	DDC-4	N/A	0.4 PSI	Pressure gauge on well head

	Flow Readings						
Time	TI-ID	Location	Flow (CFM)				
11:07 WD01		Injected Air to DDC-3	140				
11:07 WD02		Injected Air to DDC-4	140				

Weather: 75F, Overcast

TCE Groundwater Treatment System #2

Influent Port GAC						
TIME	PID VOC ppm	Temp Deg. F				
11:12	0.5	NR				

Comments: NR = Not Recorded

GAC Unit Information

Influent Port GAC#2							
TIME	PID VOC ppm	Temp Deg. F					
11:14	0.5 NR						
Commonto							

Effluent								
TIME	PID VOC ppm	Temp Deg. F						
11:16	0.5	NR						
Commonto	•							

II: System Maintenance and Observations

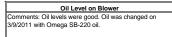
Inspection of Water Column in DDC Wells

Well#	Comments
DDC-3	Bubbling over screen (sufficient)
DDC-4	Bubbling over screen (sufficient)

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-3	NR
DDC-4	NR

Liquid Levels in Knock-Out Tank
Comments: Two inches detected in
Knock-Out Tank.

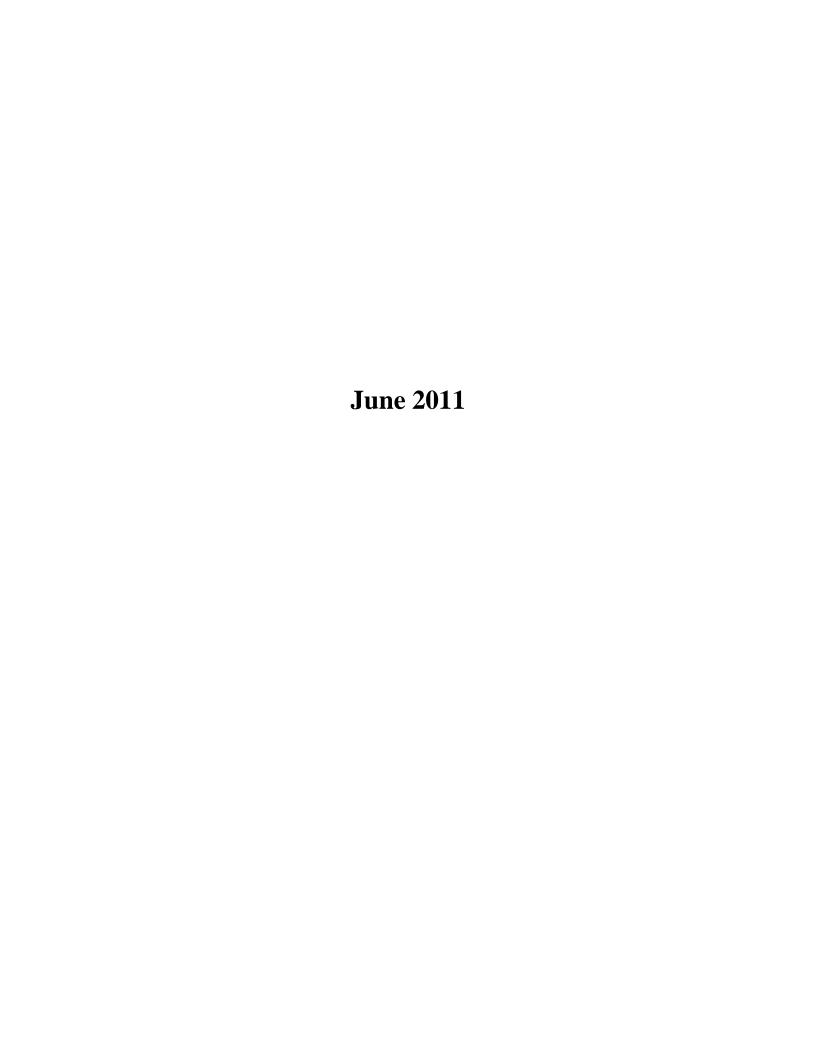


Addition Comments:	None

III: System Evaluation

I	$>\!<$	System is operating satisfactorily
ı		Recommendations

N/A



Project: Contractors: AECOM Job No: Site No: AECOM Project Manager:			<i>M</i> anagemen	t			oklawn f Syra	EA Engineering Pkwy., Suite 104 cuse, NY 13211 p: 315-431-4610
Day:	S M T W TH F S	WE	ATHER	Bright Sun	Partly Cloudy	Overcast	Rain	Snow
Date:	19-May-11	T	ГЕМР	To 32	32-50	50-70	70-85	85 and up
REPORT No. 3	37	V	WIND	Light	Moderate	High		
PAGE No.	1	HU	IMIDITY	Dry	Moderate	Humid		
-		14/11	ND DID	NÉ	NW	SE	SW	
PREPARED BY: I	Rob Peterson TITLE: Geologist	VVII	ND DIR	N	S	Е	W	
AVERAGE FIELD FORCE Name of Contractor	Title	Hours Work				Rem		
Rob Peterson	Geologist	09:30 - 10:4	10			E	Α	
VISITORS								
Name	Time (From - To)	Representi	ing			Rem	arks	
N/A	N/A	N/A				N	A	
1. Camera - W 2. PID - W	I = Idle 3. Pressure Gauges - W	W = Working 5. Va	acuum Pum	p - W		Ī		
OPERATION & MAINTEN EA Representative: Rob Peter								
00:20 EA arrived on site Dath aver		WORK PERFORMED A	AND OBS	ERVED				
09:30 - EA arrived on-site. Both sys	tem running upon arrival. . Upon arrival system #2 was off (blower over l	hooted) EA recet system and	Howorod bl	OWOT OU	ut froguence: fro	m 12 ∐z to 11	Uz Ucas	stully this will
decrease water intake from DDC we	. ,	nealed). EA reset system and	i lowered bit	ower outp	ut frequency fro	JIII 43 HZ 10 4 I	пг. поре	riully triis will
10:06 - Start of O&M on System #1.								
	leaves site. Both systems running upon depar	ture.						
27 Toole bour systems and		es report is continued on add	ditional pa	ges				,
EA Representative:	Rob Peterson	P	Project Ma	anager:	Don Conan		,	Page 1 of 5

National Heatset Printing Site, Farmingdale, NY Contract No., Site No. 152140 Monitoring Table June 1, 2011

DATE: 6/1/11 DAY: Wednesday EA TECHNICIAN: Rob Peterson

Weather: 78F, Overcast

TCE Groundwater Treatment System #1 STATUS: ON OFF

I: System Data Collection

Total Run Time Meter Reading: <u>7242</u> hours System Running at <u>41.0</u> Hz.

	Temperature Monitoring								
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments				
10:09	Extracted From Well	TI-01	19.0	66.2	DDC-1				
10:09	Extracted From Well	TI-02	22.0	71.6	DDC-2				
10:06	Pre-Heater Outlet	TI-03	34.0	93.2	Post Shell and Tubing				
10:07	Pre-Heater Input	TI-04	23.0	73.4	Before Shell and Tubing				
10:08	After Cooler Outlet	TI-05	36.0	96.8	Post Cooler Reading				
10:07	After Cooler Input	TI-06	51.0	123.8	Before Cooler Reading				
10:07	Blower Outlet	TI-07	67.0	152.6	Going to Pre-heater				
10:12	Between GAC Units	TI-08	34.0	93.2	After GAC #1				
10:12	GAC Unit Output	TI-09	33.0	91.4	After GAC #2				

	Pressure/Vacuum Monitoring							
Time	Location	PI/VI-ID	Pressure	Comments				
10:11	Discharge to Well	PI-01	3.1 PSI	DDC-1				
10:11	Discharge to Well	PI-02	2.8 PSI	DDC-2				
10:06	Drum	PI-03	-51.0 in. H2O	Vacuum Reading Inlet Blower				

Flow Readings							
Time IF-ID Location			Flow (SCFM)				
11:10	FI-01	Extracted From DDC-1	250				
11:10	FI-02	Extracted From DDC-2	225				

Comments:

Weather: 78F, Overcast

TCE Groundwater Treatment System #1

Influent Port

TIME	PID VOC ppm	Temp Deg. F
10:35	2.6	NR

Comments: NR = Not Recorded

GAC Unit Information

Between GAC Unit #1 and GAC Unit #2

TIME	PID VOC ppm	Temp Deg.
10:37	2.2	NR
Comments:		

10:39

PID VOC Temp Deg. TIME 2.0 NR

Effluent Port

Comments:

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-1	Bubbling over screen (sufficient).
DDC-2	Bubbling over screen (sufficient).

Inspection of Sumps Associated with DDC Wells

Well#	Comments				
DDC-1	No sump associated with this well.				
DDC-2	Approximately 1.0 inch of water in sump.				

Liquid Levels in	
Comments: No liqu	uid detected in eithe
knock-out tank.	
knock-out tank.	
II .	

Oil Level on Blower		
Comments: Oil levels were good. Oil was changed on		
3/9/2011 with Omega SB-220 oil.		

Additional Comments: None

III: System Evaluation

System is operating satisf	factorily
Recommendations	

DATE: 6/1/11 DAY: Wednesday EA TECHNICIAN: Rob Peterson

Weather: 78F, Overcast

TCE Groundwater Treatment System #2 STATUS: ON OFF

I: System Data Collection

Total Run Time Meter Reading: <u>6953</u> hours System Running at <u>41.0</u> Hz.

	Temperature Monitoring				
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments
9:45	Carbon Unit Inlet	CA01	26.0	78.8	Carbon Unit #1
9:46	Pre-Heater	PHA01	26.7	80.0	After Shell and Tubing
9:47	Blower Panel	B01	62.8	145.0	Discharge Blower
9:45	After Cooler Outlet	AC01	28.9	84.0	Post Cooler Piping
9:47	Pre-Heater	PHB01	46.1	115.0	Before Shell and Tubing

	Pressure/Vacuum Monitoring				
Time	Location	TI-ID	Pressure	Comments	
9:45	Knock-Out Tank	T01	-1 in. Hg	Vacuum gauge on knock-out tank	
9:42	Carbon-Unit #1 Outlet	CA1	-4.0 in. Hg	Vacuum exiting GAC #1	
			3.4 PSI	Pressure reading on piping prior	
9:42	Discharge to Wells	WD2		to splicing off to both wells	
9:48	Blower Panel	BP01	-1.8 in.Hg		
9:48	Carbon Unit #2 Outlet	CA2	-4.4 in. Hg	Vacuum exiting GAC #2	
9:59	DDC-3	N/A	0.2 PSI	Pressure gauge on well head	
10:04	DDC-4	N/A	0.2 PSI	Pressure gauge on well head	

Flow Readings				
Time TI-ID Location Flow (CFM)				
9:41	WD01	Injected Air to DDC-3	140	
9:41	WD02	Injected Air to DDC-4	140	

Weather: 78F, Overcast

TCE Groundwater Treatment System #2

	Influent Port GAC#					
TIME	PID VOC ppm	Temp Deg. F				
9:50	0.5	NR				

Comments: NR = Not Recorded

GAC Unit Information

Influent Port GAC#2						
TIME	PID VOC ppm	Temp Deg. F				
9:54	0.5	NR				
Commonte:			1			

Effluent							
TIME	PID VOC ppm	Temp Deg. F					
9:56	0.5	NR					

II: System Maintenance and Observations

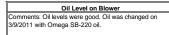
Inspection of Water Column in DDC Wells

Well#	Comments
DDC-3	Bubbling over screen (sufficient)
DDC-4	Bubbling over screen (sufficient)

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-3	NR
DDC-4	NR

Liquid Levels in Knock-Out Tanks Comments: Two inches detected in Knock-Out Tank.



Addition Comments:	None

III: System Evaluation

I	$>\!<$	System is operating satisfactorily
ı		Recommendations
•		

1	N/A

Contractors:AECOM Job No:	ional Heatset Printing Site - 1 Adams Bould	<u>-</u>		nt			Syra	EA Engineering Pkwy., Suite 104 acuse, NY 13211 e: 315-431-4610
	DAILY REPO	<u>RT</u>						
Day: S	M T W TH F S]	WEATHER	Bright Sun	Partly Cloudy	Overcast	Rain	Snow
Date: 7-J	un-11	-	TEMP	To 32	32-50	50-70	70-85	85 and up
REPORT No. 40		-	WIND	Light	Moderate	High		
PAGE No. 1		-	HUMIDITY	Dry	Moderate	Humid		
	D. TITLE: O. L. L.		WIND DIR	NE	NW	SE E	SW W	
PREPARED BY: ROD	Peterson TITLE: Geologist	•		N	S	Е	VV	
AVERAGE FIELD FORCE								
Name of Contractor	Title	Hours	Worked			Rem	arks	
Rob Peterson	Geologist	11:35	- 12:40			E	Α	
VISITORS								
Name	Time (From - To)	Penro	senting			Pom	arks	
N/A	N/A		Representing N/A			NO.		
		•			•			
EQUIPMENT AT THE SITE		W = Working				_		
1. Camera - W	3. Pressure Gauges - W		5. Vacuum Pum	np - W				
2. PID - W			1					
OPERATION & MAINTENA	NCE ACTIVITIES							
EA Representative: Rob Peters								
	DESCRIPTION O	F WORK PERFORM	ED AND OBS	ERVED)			
11:35 - EA arrived on-site. Both system	n running upon arrival.							
11:39 - Start of O&M on System #2.								
12:00 - Start of O&M on System #1.								
12:40 - EA locks both systems and lea	ves site. Both systems running upon depa	arture.						
	x - Designa	ates report is continued	on additional pa	iges				
EA Representative: Rol	b Peterson		Project M	anager:	Don Conan	•		Page 1 of 5

National Heatset Printing Site, Farmingdale, NY Contract No., Site No. 152140 Monitoring Table June 7, 2011

EA TECHNICIAN: Rob Peterson DATE: 6/7/11 DAY: Tuesday

Weather: 90F, Sunny

TCE Groundwater Treatment System #1 STATUS: ON OFF

I: System Data Collection

Total Run Time Meter Reading: 7387.4 hours System Running at 41.0 Hz.

	Temperature Monitoring							
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments			
12:01	Extracted From Well	TI-01	21.0	69.8	DDC-1			
12:02	Extracted From Well	TI-02	23.0	73.4	DDC-2			
12:00	Pre-Heater Outlet	TI-03	38.0	100.4	Post Shell and Tubing			
12:01	Pre-Heater Input	TI-04	26.0	78.8	Before Shell and Tubing			
12:01	After Cooler Outlet	TI-05	42.0	107.6	Post Cooler Reading			
12:00	After Cooler Input	TI-06	54.0	129.2	Before Cooler Reading			
12:00	Blower Outlet	TI-07	70.0	158.0	Going to Pre-heater			
12:03	Between GAC Units	TI-08	38.0	100.4	After GAC #1			
12:03	GAC Unit Output	TI-09	35.0	95.0	After GAC #2			

		Pressure/V	acuum Monitoring	
Time	Location	PI/VI-ID	Pressure	Comments
12:02	Discharge to Well	PI-01	3.0 PSI	DDC-1
12:02	Discharge to Well	PI-02	2.7 PSI	DDC-2
12:00	Drum	PI-03	-52.0 in. H2O	Vacuum Reading Inlet Blower

Flow Readings					
Time	IF-ID	Location	Flow (SCFM)		
12:02	FI-01	Extracted From DDC-1	250		
12:02	FI-02	Extracted From DDC-2	225		

Comments:

Weather: 90F, Sunny

TCE Groundwater Treatment System #1

Influent Port

	TIME	PID VOC ppm	Temp Deg. F
ľ	12:05	2.6	NR

Comments: NR = Not Recorded

GAC Unit Information

Between GAC Unit #1 and GAC Unit #2

TIME	PID VOC ppm	Temp Deg.
12:08	2.2	NR
Comments:		

 TIME
 PID VOC ppm
 Temp Deg. F

 12:15
 2.0
 NR

Effluent Port

Comments:

II: System Maintenance and Observations

Inspection of Water Column in DDC Well

	inoposition of tratis, column in 220 trails
Well#	Comments
DDC-1	Bubbling over screen (sufficient).
DDC-2	Bubbling over screen (sufficient).

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-1	No sump associated with this well.
DDC-2	Approximately 1.0 inch of water in sump.

	Liquid Levels in Knock-Out Tanks
	Comments: No liquid detected in eithe
	knock-out tank.
ı	

Oil Level on Blower
Comments: Oil levels were good. Oil was changed on
3/9/2011 with Omega SB-220 oil.

Additional Comments: None

III: System Evaluation

\sim	System is operating satisfactorily
	Recommendations

27/4
N/A

DATE: 6/7/11 DAY: Tuesday EA TECHNICIAN: Rob Peterson

Weather: 90F, Sunny

TCE Groundwater Treatment System #2 STATUS: ON OFF

I: System Data Collection

Total Run Time Meter Reading: <u>7099.5</u> hours System Running at <u>41.0</u> Hz.

Temperature Monitoring					
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments
11:39	Carbon Unit Inlet	CA01	34.0	93.2	Carbon Unit #1
11:41	Pre-Heater	PHA01	40.6	105.0	After Shell and Tubing
11:42	Blower Panel	B01	93.3	200.0	Discharge Blower
11:41	After Cooler Outlet	AC01	47.8	118.0	Post Cooler Piping
11:42	Pre-Heater	PHB01	76.7	170.0	Before Shell and Tubing

	Pressure/Vacuum Monitoring					
Time	Location	TI-ID	Pressure	Comments		
11:41	Knock-Out Tank	T01	-2.3 in. Hg	Vacuum gauge on knock-out tank		
11:39	Carbon-Unit #1 Outlet	CA1	-6.0 in. Hg	Vacuum exiting GAC #1		
11:40	Discharge to Wells	WD2	3.1 PSI	Pressure reading on piping prior to splicing off to both wells		
	Blower Panel	BP01	-5.3 in.Hg			
11:40	Carbon Unit #2 Outlet	CA2	-5.3 in. Hg	Vacuum exiting GAC #2		
11:50	DDC-3	N/A	0.2 PSI	Pressure gauge on well head		
11:55	DDC-4	N/A	0.2 PSI	Pressure gauge on well head		

	Flow Readings					
Time TI-ID		Location	Flow (CFM)			
11:39 WD01		Injected Air to DDC-3	145			
11:39	WD02	Injected Air to DDC-4	135			

Weather: 90F, Sunny

TCE Groundwater Treatment System #2

	Influent	Port GAC#
TIME	PID VOC ppm	Temp Deg. F
11:45	0.5	NR

Comments: NR = Not Recorded

GAC Unit Information

Influent Port GAC#2					
TIME	TIME PID VOC ppm				
11:47	0.5	NR			
Comments:					

Effluent					
TIME PID VOC ppm		Temp Deg. F			
11:49	0.5	NR			
Commente					

II: System Maintenance and Observations

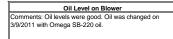
Inspection of Water Column in DDC We	lle
--------------------------------------	-----

Well#	Comments
DDC-3	Bubbling over screen (sufficient)
DDC-4	Bubbling over screen (sufficient)

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-3	NR
DDC-4	NR

Liquid Levels in Knock-Out Tanks Comments: Two inches detected in Knock-Out Tank.



Addition Comments:	None

III: System Evaluation

١	$>\!\!<$	System is operating satisfactorily
ı		Recommendations
•		

N/A

Project: Contractors: AECOM Job No: Site No: AECOM Project Manager:			ent			Syra	EA Engineering Pkwy., Suite 104 acuse, NY 13211 e: 315-431-4610
Day:	S M T W TH F S	WEATHER	Bright Sun	Partly Cloudy	Overcast	Rain	Snow
Date:	16-Jun-11	TEMP	To 32	32-50	50-70	70-85	85 and up
REPORT No.	41	WIND	Light	Moderate	High		
PAGE No.	1	HUMIDITY	Dry	Moderate	Humid		
		- WIND DID	NÉ	NW	SE	SW	
PREPARED BY:	Rob Peterson TITLE: Geologist	WIND DIR	N	S	Е	W	
AVERAGE FIELD FORCE	CE Title	Hours Worked			Pom	arks	
Rob Peterson	Geologist	11:15 - 12:15		Remarks EA			
		1 1110					<u>.</u>
VISITORS							
Name	Time (From - To)	Representing				narks	
N/A	N/A	N/A			N	IA.	
EQUIPMENT AT THE S	ITE I = Idle	W = Working					
1. Camera - W	3. Pressure Gauges - W	5. Vacuum Pu	mp - W		T		
2. PID - W	, and the second				<u> </u>		
OPERATION & MAINTE EA Representative: Rob Pe							
	DESCRIPTION	OF WORK PERFORMED AND OB	CEDVED				
11:15 - EA arrived on-site. System		OF WORK PERFORMED AND UB	JERVED				
11:19 - Start of O&M on System #							
	System was off upon arrival (Alarm: High	Temperature Blower Air) FA reset/restart	ed system	and allowed sys	stem to equilibr	rate	
before conducting O&M.	1. Cystem was on upon anivar (riami. Tiigh	remperature blower run). Extreserrestant	cu system	and anowed by	oterri to equilibr	uic	
Ü	d leaves site. Both systems running upon dep	arture.					
	x - Design	ates report is continued on additional p	ages				
EA Representative:	Rob Peterson	Project N	/lanager:	Jim Hayward	-		Page 1 of 5

National Heatset Printing Site, Farmingdale, NY Contract No., Site No. 152140 Monitoring Table June 16, 2011

DATE: 6/16/11 DAY: Thursday EA TECHNICIAN: Rob Peterson

Weather: 89F, Sunny

TCE Groundwater Treatment System #1 STATUS: ON OFF

I: System Data Collection

Total Run Time Meter Reading: <u>7389.6</u> hours System Running at <u>41.0</u> Hz.

	Temperature Monitoring							
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments			
11:48	Extracted From Well	TI-01	20.0	68.0	DDC-1			
11:48	Extracted From Well	TI-02	22.0	71.6	DDC-2			
11:45	Pre-Heater Outlet	TI-03	27.0	80.6	Post Shell and Tubing			
11:47	Pre-Heater Input	TI-04	24.0	75.2	Before Shell and Tubing			
11:47	After Cooler Outlet	TI-05	26.0	78.8	Post Cooler Reading			
11:47	After Cooler Input	TI-06	33.0	91.4	Before Cooler Reading			
11:46	Blower Outlet	TI-07	38.0	100.4	Going to Pre-heater			
11:49	Between GAC Units	TI-08	24.0	75.2	After GAC #1			
11:49	GAC Unit Output	TI-09	22.0	71.6	After GAC #2			

Pressure/Vacuum Monitoring							
Time	Location	PI/VI-ID	Pressure	Comments			
11:49	Discharge to Well	PI-01	3.0 PSI	DDC-1			
11:49	Discharge to Well	PI-02	2.5 PSI	DDC-2			
11:46	Drum	PI-03	-52.0 in. H2O	Vacuum Reading Inlet Blower			

Flow Readings						
Time IF-ID Location Flow (SCFM)						
11:48	FI-01	Extracted From DDC-1	250			
11:48 FI-02 Extracted From DDC-2 225						

Comments:

Weather: 89F, Sunny

TCE Groundwater Treatment System #1

Influent Port

TIME	PID VOC ppm	Temp Deg. F	
11:51	2.6	NR	

Comments: NR = Not Recorded

GAC Unit Information

Between GAC Unit #1 and GAC Unit #2

TIME	PID VOC ppm	Temp Deg F
11:53	2.2	NR
Comments:		

Comments:

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

inspection of trater column in 220 trails					
Well#	Comments				
DDC-1	Bubbling over screen (sufficient).				
DDC-2	Bubbling over screen (sufficient).				

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-1	No sump associated with this well.
DDC-2	NR

Liquid Levels in Knock-Out Tanks
Commenter No Control detected to 1986

Comments: No liquid detected in eith knock-out tank. Oil Level on Blower

Comments: Oil levels were good. Oil was changed on 3/9/2011 with Omega SB-220 oil.

dditional Comments:	None

Effluent Port

Temp Deg.

NR

PID VOC

2.0

11:54

III: System Evaluation

System is operating satisfactorily Recommendations

IV: Sampling / Lab Data

N/A

DATE: 6/16/11 DAY: Thursday EA TECHNICIAN: Rob Peterson

Weather: 89F, Sunny

TCE Groundwater Treatment System #2 STATUS: ON OFF

I: System Data Collection

Total Run Time Meter Reading: $\underline{7315}$ hours System Running at $\underline{41.0}$ Hz.

	Temperature Monitoring				
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments
11:19	Carbon Unit Inlet	CA01	30.0	86.0	Carbon Unit #1
11:22	Pre-Heater	PHA01	43.3	110.0	After Shell and Tubing
11:23	Blower Panel	B01	93.3	200.0	Discharge Blower
11:22	After Cooler Outlet	AC01	46.1	115.0	Post Cooler Piping
11:22	Pre-Heater	PHB01	75.6	168.0	Before Shell and Tubing

	Pressure/Vacuum Monitoring			
Time	Location	TI-ID	Pressure	Comments
11:21	Knock-Out Tank	T01	-2.5 in. Hg	Vacuum gauge on knock-out tank
11:19	Carbon-Unit #1 Outlet	CA1	-6.3 in. Hg	Vacuum exiting GAC #1
			3.0 PSI	Pressure reading on piping prior
11:21	Discharge to Wells	WD2		to splicing off to both wells
11:23	Blower Panel	BP01	-6.0 in.Hg	
11:21	Carbon Unit #2 Outlet	CA2	-5.5 in. Hg	Vacuum exiting GAC #2
11:34	DDC-3	N/A	0.2 PSI	Pressure gauge on well head
11:38	DDC-4	N/A	0.2 PSI	Pressure gauge on well head

	Flow Readings			
Time	TI-ID	Location	Flow (CFM)	
11:20	WD01	Injected Air to DDC-3	145	
11:20	WD02	Injected Air to DDC-4	135	

DAY: Thursday

EA TECHNICIAN: Rob Peterson

Weather: 89F, Sunny

TCE Groundwater Treatment System #2

Comments: NR = Not Recorded

GAC Unit Information

Influent Port G				
TIME	PID VOC ppm	Temp Deg. F		
11:28	0.5	NR		
Commenter				

Effluent			
TIME	PID VOC ppm	Temp Deg.	
11:30	0.5	NR	
Comments:			

II: System Maintenance and Observations

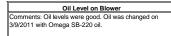
Inspection of Water Column in DDC Wells

Well#	Comments
DDC-3	Bubbling over screen (sufficient)
DDC-4	Bubbling over screen (sufficient)

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-3	NR
DDC-4	NR

Liquid Levels in Knock-Out Tank
Comments: One inches detected in
Knock-Out Tank.

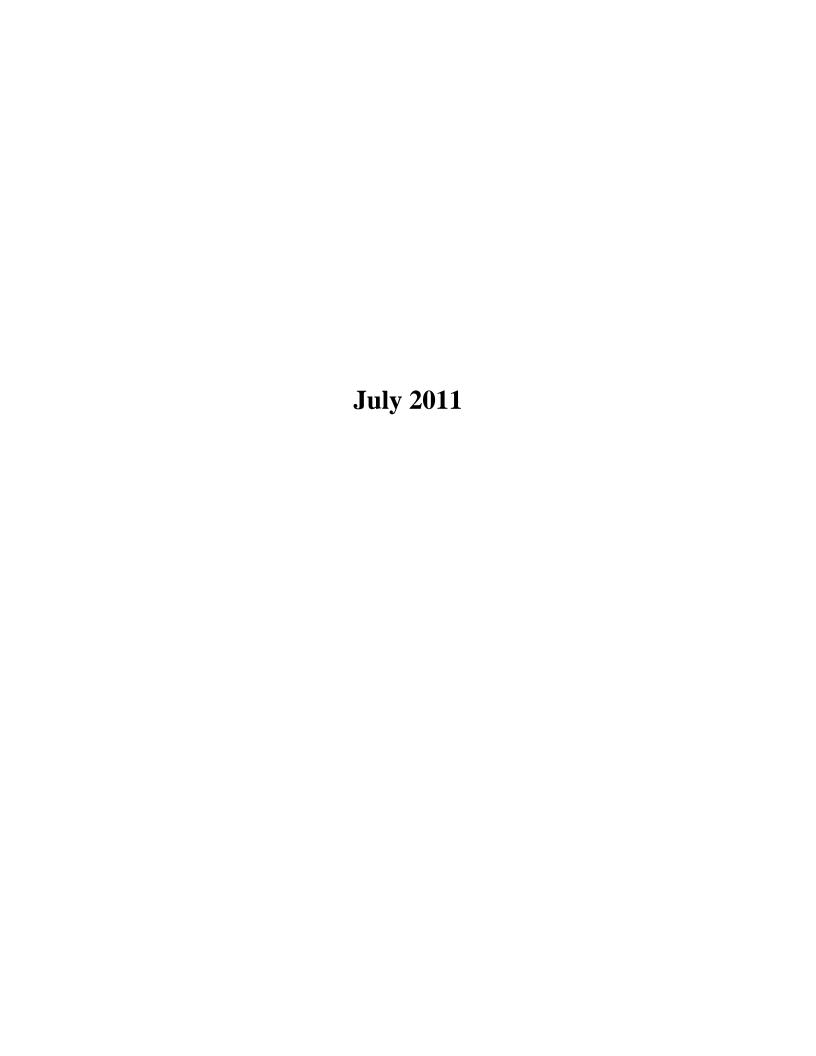


Addition Comments:	None

III: System Evaluation

$>\!\!<$	System is operating satisfactorily
	Recommendations





	ional Heatset Printing Site - 1 Adams Boule Engineering and Preferred Environmental S						
Contractors. EA	Engineering and Preferred Environmental S	ervices					
EA Engineering Job No: 144	7429						
Site No: 152			_				
EA Project Manager: Jim	Hayward						
	DAILY REPO	RT					
	-						
Day: S	M T W TH F S	WEATHER	Bright Sun	Partly Cloudy	Overcast	Rain	Snow
Date: 11-	Jul-11	TEMP	To 32	32-50	50-70	70-85	85 and up
REPORT No.		WIND	Light	Moderate	High		
PAGE No. 1		HUMIDITY	Dry	Moderate	Humid		
		WIND DIR	NE	NW	SE	SW	
PREPARED BY: The	mas Fitzpatrick TITLE: Site Rep.		N	S	E	W	
AVERAGE FIELD FORCE							
Name of Contractor	Title	Hours Worked				arks	
Thomas Fitzpatrick	Technician	7:50 - 9:30			Pref	erred	
VISITORS							
Name	Time (From - To)	Representing			Rem	arks	
N/A	N/A	N/A					
EQUIPMENT AT THE SITE	I = Idle	W = Working					
1. Camera - W	3. Pressure Gauges - W	5. Vacuum Pum	ıp - W				
2. PID - W	4. Velocity & Temperature	Meter - W	-				
OPERATION & MAINTENA	NCE ACTIVITIES						
	ive: Thomas Fitzpatrick - Preferred						
·	·						
	DESCRIPTION O	F WORK PERFORMED AND OBS	ERVED				
7:50 - Preferred on-site and both systems running upon arrival.							
7:59 - Start of O&M on System #1.							
7:59 - Start of O&M on System #1. 8:45 - Start of O&M on System #2.	ms running upon arrival.						
7:59 - Start of O&M on System #1. 8:45 - Start of O&M on System #2. 9:25 - O&M for both systems complete	ms running upon arrival.	pring upon deporture					
7:59 - Start of O&M on System #1. 8:45 - Start of O&M on System #2. 9:25 - O&M for both systems complete	ms running upon arrival.	nning upon departure.					
7:59 - Start of O&M on System #1. 8:45 - Start of O&M on System #2. 9:25 - O&M for both systems complete	ms running upon arrival. d. Ind all parties off site. Both systems were ru	nning upon departure. ates report is continued on additional pa	ges				
7:59 - Start of O&M on System #1. 8:45 - Start of O&M on System #2. 9:25 - O&M for both systems complete	ms running upon arrival. d. ind all parties off site. Both systems were ru	ates report is continued on additional pa	Ü	Jim Hayward			Page 1 of 7
7:59 - Start of O&M on System #1. 8:45 - Start of O&M on System #2. 9:25 - O&M for both systems complete 9:30 - Preferred locked both systems a	ms running upon arrival. d. ind all parties off site. Both systems were ru	ates report is continued on additional pa	Ü	Jim Hayward			Page 1 of 7
7:59 - Start of O&M on System #1. 8:45 - Start of O&M on System #2. 9:25 - O&M for both systems complete 9:30 - Preferred locked both systems a	ms running upon arrival. d. ind all parties off site. Both systems were ru	ates report is continued on additional pa	Ü	Jim Hayward			Page 1 of 7
7:59 - Start of O&M on System #1. 8:45 - Start of O&M on System #2. 9:25 - O&M for both systems complete 9:30 - Preferred locked both systems a	ms running upon arrival. d. ind all parties off site. Both systems were ru	ates report is continued on additional pa	Ü	Jim Hayward			Page 1 of 7

EA Engineering

6712 Brooklawn Parkway, Suite 104, Syracuse, New York 13211



PREFERRED ENVIRONMENTAL SERVICES

323 Merrick Avenue - North Merrick, New York 11566

Tel: (516) 546-1100 Fax: (516) 213-8156

National Heatset Printing Site, Farmingdale, NY Contract No., Site No. 152140 Monitoring Table July 11, 2011

DATE: 7/11/11 DAY: Monday TECHNICIAN: Thomas Fitzpatrick

Weather: 80 Deg. Bright Sun

TCE Groundwater Treatment System #1 OFF STATUS: ON

I: System Data Collection

Run Time Meter Reading (since last shut down): 138.2 hours

Total Run Time Meter Reading: 7984.0 hours

System Running at 41.0 Hz.

	Temperature Monitoring						
Time Location		TI-ID	Temperature deg. C	Temperature deg. F	Comments		
8:00	Extracted From Well	TI-01	21.0	69.8	DDC-1		
8:00	Extracted From Well	TI-02	23.0	73.4	DDC-2		
8:02	Pre-Heater Outlet	TI-03	35.0	95.0	Post Shell and Tubing		
8:01	Pre-Heater Input	TI-04	25.0	77.0	Before Shell and Tubing		
8:01	After Cooler Outlet	TI-05	37.0	98.6	Post Cooler Reading		
8:01	After Cooler Input	TI-06	56.0	132.8	Before Cooler Reading		
8:02	Blower Outlet	TI-07	65.0	149.0	Going to Pre-heater		
8:03	Between GAC Units	TI-08	36.0	96.8	After GAC #1		
8:04	GAC Unit Output	TI-09	34.0	93.2	After GAC #2		

	Pressure/Vacuum Monitoring					
Time	Location	PI/VI-ID	Pressure	Comments		
8:00	Discharge to Well	PI-01	2.7 PSI	DDC-1		
8:00	Discharge to Well	PI-02	2.4 PSI	DDC-2		
8:00	Drum	PI-03	-49.0 in. H2O	Vacuum Reading Going to Blower		

Flow Readings					
Time IF-ID		Location	Flow (SCFM)		
7:59	7:59 FI-01 Extracted From DDC-1		252		
7:59	FI-02	Extracted From DDC-2	224		

Comments:

1) Flow meter F0-1 is functioning.

DAY: Monday

TECHNICIAN: Thomas Fitzpatrick

Weather: 80 Deg. Bright Sun

TCE Groundwater Treatment System #1

Influent Port

- 4			• •
	TIME	PID VOC ppm	Temp Deg. F
	8:08	0.0	96.4

Comments: None

GAC Unit Information

Between GAC Unit #1 and GAC Unit #2

TIME	PID VOC ppm	Temp Deg.
8:12	0.0	88.5

Comments: None

Effluent Port			
TIME	PID VOC ppm	Temp Deg.	
8:17	0.0	96.0	

Comments: None

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-1	Bubbling in well is sufficient.
DDC-2	Bubbling in well is sufficient.

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-1	No sump associated with this well.
DDC-2	About 1.5 inches of water in sump.

Liquid Levels in Knock-Out Tanks Comments: No liquid detected in either knock-out tank.

Oil Level on Blower Comments: Oil levels were good. Oil was changed on 3/9/2011 with Omega SB-220 oil.

Addition Comments:	None	
Addition Comments.	None	

III: System Evaluation



System is operating satisfactorily

EA recommends / implements the following....

Observe FO-1 gauge weekly to ensure proper operation.

DATE: 7/11/11 DAY: Monday TECHNICIAN: Thomas Fitzpatrick

Weather: 80 Deg. Bright Sun

GWTT EQUIPMENT INFORMATION

TCE Groundwater Treatment System #2 OFF STATUS: ON

I: System Data Collection

Total Run Time Meter Reading: <u>7683.7</u> hours System Running at <u>41.0</u> Hz.

	Temperature Monitoring							
Time	Location	Comments						
9:04	Carbon Unit Inlet	CA01	33.0	91.4	Carbon Unit #1			
9:01	Pre-Heater	PHA01	40.6	105.0	After Shell and Tubing			
9:02	Blower Panel	B01	85.0	185.0	Exiting Blower			
9:01	After Cooler Outlet	AC01	44.4	112.0	Post Cooler Piping			
9:02	Pre-Heater	PHB01	70.0	158.0	Before Shell and Tubing			

	Pressure/Vacuum Monitoring						
Time	Location	TI-ID	Pressure	Comments			
9:00	Knock-Out Tank	T01	-0.0 in. Hg	Vacuum gauge on knock-out tank			
9:04	Carbon-Unit #1 Outlet	CA1	-4.5 in. Hg	Vacuum exiting GAC #1			
9:00	Discharge to Wells	WD2	3.0 PSI	Pressure reading on piping prior to splicing off to both wells			
9:03	Blower Panel	BP01	-4.0 in. Hg	Vacuum coming off of blower			
9:03	Carbon Unit #2 Outlet	CA2	-3.9 in. Hg	Vacuum exiting GAC #2			
8:55	DDC-3	N/A	0.4 PSI	Pressure gauge on well head			
8:49	DDC-4	N/A	0.2 PSI	Pressure gauge on well head			

Flow Readings							
Time	TI-ID	Flow (CFM)					
8:59	WD01	175					
8:59 WD01 Injected Air to DDC-3 175 8:59 WD02 Injected Air to DDC-4 126							
Common	to: None						

DAY: Monday

Weather: 80 Deg. Bright Sun

TCE Groundwater Treatment System #2

Influent Port GAC#1

	CHE I OIL C	70"
TIME	PID VOC ppm	Temp Deg. F
9:07	0.0	87.2

Comments: None

GAC Unit Information

Influent Port GAC#2

TIME	PID VOC ppm	Temp Deg.
9:11	0.0	91.3

Effluent								
TIME	PID VOC ppm	Temp Deg. F						
9:15	0.0	90.4						

Comments: None

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-3	Bubbling is sufficient in well.
DDC-4	Bubbling is sufficient in well.

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-3	1.5 inches of water in this sump.
DDC-4	Over 1.5 feet of water in this sump

Liquid Levels in Knock-Out Tanks

Comments: No liquid detected in Knock-Out Tank.

Oil Level on Blower
Comments: Oil levels were good. Oil was changed on 3/9/2011 with Omega SB-220 oil.

Addition Comments:

The sump pump associated with DDC-4 was pulled from it sump on 7/05/11 and inspected (Rule Pumps Computerized Sump Pump 8' Cord, 1800 GPH A53S (D)).

The electric connection on the pump was evaluated and determined that power was being provided to the sump pump. The pump was then placed in a five gallon bucket full of water. The pump did not operate when placed in the bucket of water. The pump may need to be replaced.

III: System Evaluation

System is operating satisfactorily

EA recommends / implements the following.

May need to replace sump pump in DDC-4

IV: Sampling / Lab Data

N/A

PHOTOGRAPHIC LOG

Date: 7-11-11

EA Job No.

National Heatset Printing Site

РНОТО	DATE	TIME	DESCRIPTION	COMMENTS
Picture 351	7/11/2011	8:02 AM	View of the two Knock-out Drums associated with System #1. No water was detected in either site glass.	
Picture 359	7/11/2011	8:12 AM	View of the Photoionization Detector screening air from a tedlar bag.	

Page 6 of 7

Photos (07.11.11)



Picture 351 - View of the two Knock-out Drums associated with System #1. No water was detected in either site glass.



Picture 359 - View of the Photoionization Detector screening air from a tedlar bag.

	tional Heatset Printing Site - 1 Adams Boulevi Engineering and Preferred Environmental Se						
EA Engineering Joh No. 44	17.100						
EA Engineering Job No: 144 Site No: 152							
EA Project Manager: Jim							
Erri Tojoot Managon.	Triaywaru						
	DAILY REPO	<u>RT</u>					
Day: S	M T W TH F S	WEATHER	Bright Sun	Partly Cloudy	Overcast	Rain	Snow
Date: 18-	-Jul-11	TEMP	To 32	32-50	50-70	70-85	85 and up
REPORT No.		WIND	Light	Moderate	High		
PAGE No. 1		HUMIDITY	Dry	Moderate	Humid		
		WIND DIR	NE	NW	SE	SW	
PREPARED BY: Inc	omas Fitzpatrick TITLE: Site Rep.		N	S	Е	W	
VERAGE FIELD FORCE							
Name of Contractor	Title	Hours Worked		Remarks			
Thomas Fitzpatrick	Technician	11:16 - 12:50			Prefe	erred	
/ISITORS							
Name	Time (From - To)	Representing			Rem	narks	
	Time (From - To) N/A	Representing N/A			Rem	narks	
Name N/A	N/A				Rem	narks	
Name N/A EQUIPMENT AT THE SITE Camera - W	N/A I = Idle [3. Pressure Gauges - W	N/A W = Working [5. Vacuum Pum	ıp - W		Rem	narks	
Name N/A EQUIPMENT AT THE SITE Camera - W	N/A I = Idle	N/A W = Working [5. Vacuum Pum	ıp - W		Rem	narks	
Name N/A EQUIPMENT AT THE SITE . Camera - W . PID - W	N/A I = Idle [3. Pressure Gauges - W 4. Velocity & Temperature I	N/A W = Working [5. Vacuum Pum	ıp - W		Rem	narks	
Name N/A EQUIPMENT AT THE SITE Camera - W PID - W PPERATION & MAINTENA	N/A I = Idle [3. Pressure Gauges - W 4. Velocity & Temperature I	N/A W = Working [5. Vacuum Pum	p - W		Rem	narks	
Name N/A EQUIPMENT AT THE SITE . Camera - W . PID - W DPERATION & MAINTENA	N/A I = Idle [3. Pressure Gauges - W 4. Velocity & Temperature I	N/A W = Working [5. Vacuum Pum	ıp - W		Rem	narks	
Name N/A EQUIPMENT AT THE SITE Camera - W PID - W DPERATION & MAINTENA	N/A I = Idle 3. Pressure Gauges - W 4. Velocity & Temperature I ANCE ACTIVITIES tive: Thomas Fitzpatrick - Preferred	N/A W = Working [5. Vacuum Pum			Rem	narks	
Name N/A EQUIPMENT AT THE SITE Camera - W PID - W PID - W PIPID	N/A I = Idle 3. Pressure Gauges - W 4. Velocity & Temperature ! ANCE ACTIVITIES tive: Thomas Fitzpatrick - Preferred DESCRIPTION OF	N/A W = Working 5. Vacuum Pum			Rem	narks	
Name N/A EQUIPMENT AT THE SITE Camera - W PID - W PERATION & MAINTENA A/Preferred Site Representat 1:16 - Preferred on-site and both sys 1:21 - Start of O&M on System #2.	N/A I = Idle 3. Pressure Gauges - W 4. Velocity & Temperature ! ANCE ACTIVITIES tive: Thomas Fitzpatrick - Preferred DESCRIPTION OF	N/A W = Working 5. Vacuum Pum			Rem	narks	
Name N/A EQUIPMENT AT THE SITE . Camera - W . PID - W DPERATION & MAINTENA EA/Preferred Site Representat 1:16 - Preferred on-site and both sys 1:21 - Start of O&M on System #2. 2:10 - Start of O&M on System #1.	N/A I = Idle 3. Pressure Gauges - W 4. Velocity & Temperature I ANCE ACTIVITIES tive: Thomas Fitzpatrick - Preferred DESCRIPTION OF tems running upon arrival.	N/A W = Working 5. Vacuum Pum			Rem	narks	
Name N/A EQUIPMENT AT THE SITE Camera - W . PID - W DPERATION & MAINTENA A/Preferred Site Representat 1:16 - Preferred on-site and both sys 1:21 - Start of O&M on System #2. 2:10 - Start of O&M on System #2. 2:45 - O&M for both systems comple	N/A I = Idle 3. Pressure Gauges - W 4. Velocity & Temperature I ANCE ACTIVITIES tive: Thomas Fitzpatrick - Preferred DESCRIPTION OF tems running upon arrival.	N/A W = Working 5. Vacuum Pum Weter - W			Rem	narks	
Name N/A EQUIPMENT AT THE SITE Camera - W . PID - W DPERATION & MAINTENA A/Preferred Site Representat 1:16 - Preferred on-site and both sys 1:21 - Start of O&M on System #2. 2:10 - Start of O&M on System #2. 2:45 - O&M for both systems comple	N/A I = Idle 3. Pressure Gauges - W 4. Velocity & Temperature I ANCE ACTIVITIES tive: Thomas Fitzpatrick - Preferred DESCRIPTION OF tems running upon arrival.	N/A W = Working 5. Vacuum Pum Weter - W			I Rem	narks	
Name N/A EQUIPMENT AT THE SITE Camera - W . PID - W DPERATION & MAINTENA A/Preferred Site Representat 1:16 - Preferred on-site and both sys 1:21 - Start of O&M on System #2. 2:10 - Start of O&M on System #2. 2:45 - O&M for both systems comple	N/A I = Idle 3. Pressure Gauges - W 4. Velocity & Temperature I ANCE ACTIVITIES tive: Thomas Fitzpatrick - Preferred DESCRIPTION OF tems running upon arrival. ted. and all parties off site. Both systems were ru	N/A W = Working 5. Vacuum Pum Meter - W WORK PERFORMED AND OBSI nning upon departure.	ERVED		I Rem	narks	
Name N/A EQUIPMENT AT THE SITE Camera - W PID - W DPERATION & MAINTENA A/Preferred Site Representat 1:16 - Preferred on-site and both system 1:21 - Start of O&M on System #2. 2:10 - Start of O&M on System #1. 2:45 - O&M for both systems comple 2:50 - Preferred locked both systems	N/A I = Idle 3. Pressure Gauges - W 4. Velocity & Temperature I ANCE ACTIVITIES tive: Thomas Fitzpatrick - Preferred DESCRIPTION OF tems running upon arrival. ted. and all parties off site. Both systems were ru	N/A W = Working 5. Vacuum Pum Weter - W	ERVED		I Rem		Page 1 of 7

EA Engineering

6712 Brooklawn Parkway, Suite 104, Syracuse, New York 13211



National Heatset Printing Site, Farmingdale, NY Contract No., Site No. 152140 Monitoring Table July 18, 2011

DATE: 7/18/11 DAY: Monday TECHNICIAN: Thomas Fitzpatrick

Weather: 80 Deg. Bright Sun

TCE Groundwater Treatment System #1 STATUS: ON OFF

I: System Data Collection

Run Time Meter Reading (since last shut down): $\underline{310.5}$ hours

Total Run Time Meter Reading: 8156.2 hours

System Running at 41.0 Hz.

	Temperature Monitoring							
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments			
	Extracted From Well	TI-01	23.0	73.4	DDC-1			
	Extracted From Well	TI-02	26.0	78.8	DDC-2			
12:16	Pre-Heater Outlet	TI-03	38.5	101.3	Post Shell and Tubing			
12:16	Pre-Heater Input	TI-04	28.0	82.4	Before Shell and Tubing			
12:15	After Cooler Outlet	TI-05	41.5	106.7	Post Cooler Reading			
12:16	After Cooler Input	TI-06	54.0	129.2	Before Cooler Reading			
12:16	Blower Outlet	TI-07	69.0	156.2	Going to Pre-heater			
12:17	Between GAC Units	TI-08	39.0	102.2	After GAC #1			
12:17	GAC Unit Output	TI-09	37.0	98.6	After GAC #2			

Pressure/Vacuum Monitoring						
Time	Location	PI/VI-ID	Pressure	Comments		
12:14	Discharge to Well	PI-01	2.6 PSI	DDC-1		
12:14	Discharge to Well	PI-02	2.4 PSI	DDC-2		
12:14	Drum	PI-03	-48.5 in. H2O	Vacuum Reading Going to Blower		

Flow Readings					
Time	IF-ID	Location	Flow (SCFM)		
12:13	FI-01	Extracted From DDC-1	252		
12:13	FI-02	Extracted From DDC-2	216		

Comments:

1) Flow meter F0-1 is functioning.

DAY: Monday

TECHNICIAN: Thomas Fitzpatrick

Weather: 80 Deg. Bright Sun

TCE Groundwater Treatment System #1

Influent Port

TIME	PID VOC ppm	Temp Deg. F
12:30	1.7	102.9

Comments: None

GAC Unit Information

Between GAC Unit #1 and GAC Unit #2

TIME	PID VOC ppm	Temp Deg. F
12:36	1.7	102.5

Comments: None

Effluent Port				
TIME	PID VOC ppm	Temp Deg.		
12:33	0.0	100.3		

Comments: None

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-1	Bubbling in well is sufficient.
DDC-2	Bubbling in well is sufficient.

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-1	No sump associated with this well.
DDC-2	No water detected in sump.

Liquid Levels in Knock-Out	Γanks
Comments: No liquid detected i knock-out tank.	n eithe

Oil Level on Blower		
Comments: Oil levels were good. Oil was changed on 3/9/2011 with Omega SB-220 oil.		

Addition Comments:	None

III: System Evaluation



System is operating satisfactorily

EA recommends / implements the following....

Observe FO-1 gauge weekly to ensure gauge is properly operating.

N/A

DATE: 7/18/11 DAY: Monday TECHNICIAN: Thomas Fitzpatrick

Weather: 80 Deg. Bright Sun

GWTT EQUIPMENT INFORMATION

TCE Groundwater Treatment System #2 OFF STATUS: ON

I: System Data Collection

Total Run Time Meter Reading: <u>7854.3</u> hours System Running at <u>41.0</u> Hz.

	Temperature Monitoring					
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments	
11:35	Carbon Unit Inlet	CA01	34.0	93.2	Carbon Unit #1	
11:23	Pre-Heater	PHA01	40.6	105.0	After Shell and Tubing	
11:24	Blower Panel	B01	86.7	188.0	Exiting Blower	
11:23	After Cooler Outlet	AC01	46.7	116.0	Post Cooler Piping	
11:24	Pre-Heater	PHB01	71.1	160.0	Before Shell and Tubing	

	Pressure/Vacuum Monitoring				
Time	Location	TI-ID	Pressure	Comments	
11:23	Knock-Out Tank	T01	-0.0 in. Hg	Vacuum gauge on knock-out tank	
11:25	Carbon-Unit #1 Outlet	CA1	-4.5 in. Hg	Vacuum exiting GAC #1	
			3.0 PSI	Pressure reading on piping prior	
11:23	Discharge to Wells	WD2		to splicing off to both wells	
11:24	Blower Panel	BP01	-4.0 in. Hg	Vacuum coming off of blower	
11:24	Carbon Unit #2 Outlet	CA2	-3.9 in. Hg	Vacuum exiting GAC #2	
11:32	DDC-3	N/A	0.4 PSI	Pressure gauge on well head	
11:40	DDC-4	N/A	0.4 PSI	Pressure gauge on well head	

Flow Readings					
Time TI-ID Location Flow (CFM)					
11:22	WD01	Injected Air to DDC-3	172		
11:22 WD02 Injected Air to DDC-4 140					
Comments: None					

Comments: None

Weather: 80 Deg. Bright Sun

TCE Groundwater Treatment System #2

Influent Port GAC#1

TIME	PID VOC ppm	Temp Deg. F			
11:49	0.0	90.4			

Comments: None

GAC Unit Information

Influent Port GAC#2

TIME	PID VOC ppm	Temp Deg. F
11:52	0.0	91.7

Comments: None

Effluent						
TIME	PID VOC ppm	Temp Deg. F				
11:55	0.0	90.3				

Comments: None

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-3	Bubbling is sufficient in well.
DDC-4	Bubbling is sufficient in well.

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-3	1.5 inches of water in this sump.
DDC-4	Over 1.5 feet of water in this sump

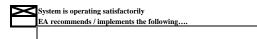
Liquid Levels in Knock-Out Tanks

Comments: No liquid detected in
Knock-Out Tank.

Oil Level on Blower
Comments: Oil levels were good. Oil was changed on 3/9/2011 with Omega SB-220 oil.

Addition Comments:	None
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III: System Evaluation



N/A
14/11

PHOTOGRAPHIC LOG

Date: 7-18-11 **EA Job No.**

National Heatset Printing Site

РНОТО	DATE	TIME	DESCRIPTION	COMMENTS
Picture 352	7/18/2011	11:22 AM	View of the control panel for System #2. Both systems were running upon arrival.	
Picture 356	7/18/2011	12:13 PM	View of FI-01 and FI-02 flow gauges associated with System #1.	

Page 6 of 7

Photos (07.18.11)



Picture 352 - View of the control panel for System #2. Both systems were running upon arrival.



Picture 356 - View of FI-01 and FI-02 flow gauges associated with System #1.

		vard Earminadala NV Sita Managaman	.+				
Contractors: EA F	Engineering and Preferred Environmental S	vard, Farmingdale, NY - Site Managemen Services					
_							
EA Engineering Job No: 1447							
Site No: 152	-						
EA Project Manager: Jam	es Hayward						
	DAILY REPOR	<u>RT</u>					
Day: S	M T W TH F S	WEATHER	Bright Sun	Partly Cloudy	Overcast	Rain	Snow
Date: 27-J	iul-11	TEMP	To 32	32-50	50-70	70-85	85 and up
REPORT No.		WIND	Light	Moderate	High		
PAGE No. 1		HUMIDITY	Dry	Moderate	Humid		
		WIND DIR	NE	NW	SE	SW	
PREPARED BY: Mare	c Morgenstern TITLE: Site Rep.	Will Diff	N	S	E	W	
VERAGE FIELD FORCE							
Name of Contractor	Title	Hours Worked		Remarks			
Marc Morgenstern	Technician	13:26 - 14:40			Prefe	erred	
'ISITORS							
Name	Time (From - To)	Representing				arks	
N/A	N/A	N/A			N,	/A	
EQUIPMENT AT THE SITE	I = Idle	W = Working			_		
. Camera - W	3. Pressure Gauges - W	5. Vacuum Pum	p - W		<u>I</u>		
. Camera - W		5. Vacuum Pum	p - W		I		
Camera - W PID - W PERATION & MAINTENA	3. Pressure Gauges - W 4. Velocity & Temperature N NCE ACTIVITIES	5. Vacuum Pum	p - W		I		
Camera - W PID - W PPERATION & MAINTENA	3. Pressure Gauges - W 4. Velocity & Temperature N NCE ACTIVITIES ve: Marc Morgenstern - Preferred	5. Vacuum Pum					
Camera - W PID - W PPERATION & MAINTENAL A/Preferred Site Representati	3. Pressure Gauges - W 4. Velocity & Temperature N NCE ACTIVITIES ive: Marc Morgenstern - Preferred DESCRIPTION O	5. Vacuum Pum					
Camera - W PID - W PPERATION & MAINTENAL A/Preferred Site Representati 3:26 - Preferred on-site and both syste	3. Pressure Gauges - W 4. Velocity & Temperature N NCE ACTIVITIES ive: Marc Morgenstern - Preferred DESCRIPTION O	5. Vacuum Pum					
Camera - W PID - W PPERATION & MAINTENAL A/Preferred Site Representati 3:26 - Preferred on-site and both syste 3:30 - Start of O&M on System #2.	3. Pressure Gauges - W 4. Velocity & Temperature N NCE ACTIVITIES ive: Marc Morgenstern - Preferred DESCRIPTION O	5. Vacuum Pum					
Camera - W PID - W PPERATION & MAINTENAL A/Preferred Site Representati 3:26 - Preferred on-site and both syste 3:30 - Start of O&M on System #2. 3:55 - Start of O&M on System #1.	3. Pressure Gauges - W 4. Velocity & Temperature N NCE ACTIVITIES ive: Marc Morgenstern - Preferred DESCRIPTION Of ems running upon arrival.	5. Vacuum Pum Meter - W					
Camera - W PID - W PPERATION & MAINTENA A/Preferred Site Representati 3:26 - Preferred on-site and both syste 3:30 - Start of O&M on System #2. 3:55 - Start of O&M on System #1. 4:09 - High temperature blower air ala	3. Pressure Gauges - W 4. Velocity & Temperature N NCE ACTIVITIES ive: Marc Morgenstern - Preferred DESCRIPTION O	5. Vacuum Pum Meter - W					
Camera - W PID - W PPERATION & MAINTENAL A/Preferred Site Representati 3:26 - Preferred on-site and both system 3:30 - Start of O&M on System #2. 3:55 - Start of O&M on System #1. 4:09 - High temperature blower air ala	3. Pressure Gauges - W 4. Velocity & Temperature N NCE ACTIVITIES IVE: Marc Morgenstern - Preferred DESCRIPTION Of ems running upon arrival. IVENTIFY OF THE PROPERTY OF T	5. Vacuum Pum Meter - W					
Camera - W PID - W DPERATION & MAINTENA A/Preferred Site Representati 3:26 - Preferred on-site and both syste 3:30 - Start of O&M on System #2. 3:55 - Start of O&M on System #1. 4:09 - High temperature blower air ala 4:20 - System #1 restarted. 4:35 - O&M for both systems complete	3. Pressure Gauges - W 4. Velocity & Temperature N NCE ACTIVITIES IVE: Marc Morgenstern - Preferred DESCRIPTION Offers running upon arrival. IVENTIFY OF THE STATE OF THE	5. Vacuum Pum Jeter - W F WORK PERFORMED AND OBS Joor was left ajar.					
. Camera - W PID - W DPERATION & MAINTENA A/Preferred Site Representati 3:26 - Preferred on-site and both syste 3:30 - Start of O&M on System #2. 3:55 - Start of O&M on System #1. 4:09 - High temperature blower air ala 4:20 - System #1 restarted. 4:35 - O&M for both systems complete	3. Pressure Gauges - W 4. Velocity & Temperature M NCE ACTIVITIES IVE: Marc Morgenstern - Preferred DESCRIPTION OF ems running upon arrival. Irm for System #1 activated as the access of ed. and all parties off site. Both systems were re-	5. Vacuum Pum Jeter - W F WORK PERFORMED AND OBS Joor was left ajar.	ERVED				

EA Engineering

6712 Brooklawn Parkway, Suite 104, Syracuse, New York 13211



National Heatset Printing Site, Farmingdale, NY Contract No., Site No. 152140 Monitoring Table July 27, 2011

DATE: 7/27/11 DAY: Wednesday TECHNICIAN: Marc Morgenstern

Weather: 80 Deg. Bright Sun

TCE Groundwater Treatment System #1 STATUS: ON OFF

I: System Data Collection

Run Time Meter Reading (since last shut down): <u>528.2</u> hours Total Run Time Meter Reading: <u>8.374.0</u> hours System Running at <u>41.0</u> Hz.

	Temperature Monitoring						
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments		
14:01	Extracted From Well	TI-01	23.0	73.4	DDC-1		
14:00	Extracted From Well	TI-02	25.0	77.0	DDC-2		
13:59	Pre-Heater Outlet	TI-03	38.0	100.4	Post Shell and Tubing		
14:00	Pre-Heater Input	TI-04	26.0	78.8	Before Shell and Tubing		
14:00	After Cooler Outlet	TI-05	40.0	104.0	Post Cooler Reading		
14:00	After Cooler Input	TI-06	53.0	127.4	Before Cooler Reading		
13:59	Blower Outlet	TI-07	69.0	156.2	Going to Pre-heater		
14:03	Between GAC Units	TI-08	38.0	100.4	After GAC #1		
14:04	GAC Unit Output	TI-09	36.0	96.8	After GAC #2		

Pressure/Vacuum Monitoring							
Time	Location	PI/VI-ID	Pressure	Comments			
14:02	Discharge to Well	PI-01	2.2 PSI	DDC-1			
14:02	Discharge to Well	PI-02	2.0 PSI	DDC-2			
13:59	Drum	PI-03	-49.0 in. H2O	Vacuum Reading Going to Blower			

Flow Readings						
Time	Flow (SCFM)					
14:01	FI-01	Extracted From DDC-1	252			
14:02	FI-02	Extracted From DDC-2	220			

Comments:

1) Flow meter F0-1 is functioning.

DATE: 7/27/11 DAY: Wednesday TECHNICIAN: Marc Morgenstern

Weather: 80 Deg. Bright Sun

TCE Groundwater Treatment System #1

Influent Port

	minucint i ort				
TIME	PID VOC ppm	Temp Deg. F			
14:07	1.1	98.4			

Comments: None

GAC Unit Information

Between GAC Unit #1 and GAC Unit #2

TIME	PID VOC ppm	Temp Deg.
14:08	0.4	97.3

Comments: None

Effluent Port			
TIME	PID VOC ppm	Temp Deg.	
14:08	0.0	98.6	

Comments: None

II: System Maintenance and Observations

indposition of trater column in 220 trails				
Well#	Comments			
DDC-1	Bubbling in well is sufficient.			
DDC-2	Bubbling in well is sufficient.			

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-1	No sump associated with this well.
DDC-2	No water detected in this sump.

Liquid Levels in Knock-0	Out Tanks
Comments: No liquid detect	ted in eithe
knock-out tank.	

Oil Level on Blower Comments: Oil levels were good. Oil was changed on 3/9/2011 with Omega SB-220 oil.

Addition Comments:	None
Addition Comments.	None

III: System Evaluation



System is operating satisfactorily

EA recommends / implements the following....

Observe FO-1 gauge weekly to ensure gauge is properly operating.

DATE: 7/27/11 DAY: Wednesday TECHNICIAN: Marc Morgenstern

Weather: 80 Deg. Bright Sun

GWTT EQUIPMENT INFORMATION

TCE Groundwater Treatment System #2 OFF STATUS: ON

I: System Data Collection

Total Run Time Meter Reading: 8,072.5 hours System Running at 41.0 Hz.

	Temperature Monitoring				
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments
13:37	Carbon Unit Inlet	CA01	35.0	95.0	Carbon Unit #1
13:36	Pre-Heater	PHA01	40.6	105.0	After Shell and Tubing
13:40	Blower Panel	B01	85.0	185.0	Exiting Blower
13:40	After Cooler Outlet	AC01	46.1	115.0	Post Cooler Piping
13:40	Pre-Heater	PHB01	71.1	160.0	Before Shell and Tubing

	Pressure/Vacuum Monitoring				
Time	Location	TI-ID	Pressure	Comments	
13:37	Knock-Out Tank	T01	-0.0 in. Hg	Vacuum gauge on knock-out tank	
13:37	Carbon-Unit #1 Outlet	CA1	-4.5 in. Hg	Vacuum exiting GAC #1	
			2.7 PSI	Pressure reading on piping prior	
13:38	Discharge to Wells	WD2		to splicing off to both wells	
13:39	Blower Panel	BP01	-4.0 in. Hg	Vacuum coming off of blower	
13:39	Carbon Unit #2 Outlet	CA2	-4.0 in. Hg	Vacuum exiting GAC #2	
13:37	DDC-3	N/A	0.4 PSI	Pressure gauge on well head	
13:40	DDC-4	N/A	0.4 PSI	Pressure gauge on well head	

	Flow Readings				
Time TI-ID Location Flow (CFM)					
13:36 WD01 Injected Air to DDC-3			182		
13:36	13:36 WD02 Injected Air to DDC-4 140				
Comments None					

Comments: None

DATE: 7/27/11 DAY: Wednesday TECHNICIAN: Marc Morgenstern

Weather: 80 Deg. Bright Sun

TCE Groundwater Treatment System #2

Influent Port GAC#1

TIME	PID VOC ppm	Temp Deg. F		
13:42	0.4	90.6		

Comments: None

GAC Unit Information

Influent Port GAC#2

TIME	PID VOC ppm	Temp Deg. F		
13:42	0.0	92.2		
0 1 11				

Effluent					
TIME	PID VOC ppm	Temp Deg F			
13:43	0.0	88.3			

Comments: None

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-3	Bubbling is sufficient in well.
DDC-4	Bubbling is sufficient in well.

Inspection of Sumps Associated with DDC Wells

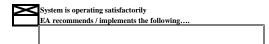
Well#	Comments
DDC-3	1.5 inches of water in this sump.
DDC-4	Over 1.5 feet of water in this sump

Liquid Levels in Knock-Out Tanks Comments: No liquid detected in Knock-Out Tank.





III: System Evaluation



N/A

PHOTOGRAPHIC LOG

Date: 7-27-11 **EA Job No.**

National Heatset Printing Site

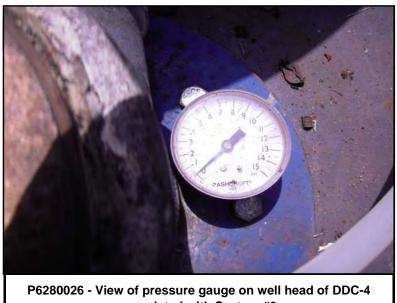
РНОТО	DATE	TIME	DESCRIPTION	COMMENTS
P6280021	7/27/2011	1:42 PM	View of PID screening of air samples at the influent port for GAC#1 in System #2.	
P6280026	7/27/2011	1:40 PM	View of pressure gauge on well head of DDC-4 associated with System #2.	

Page 6 of 7

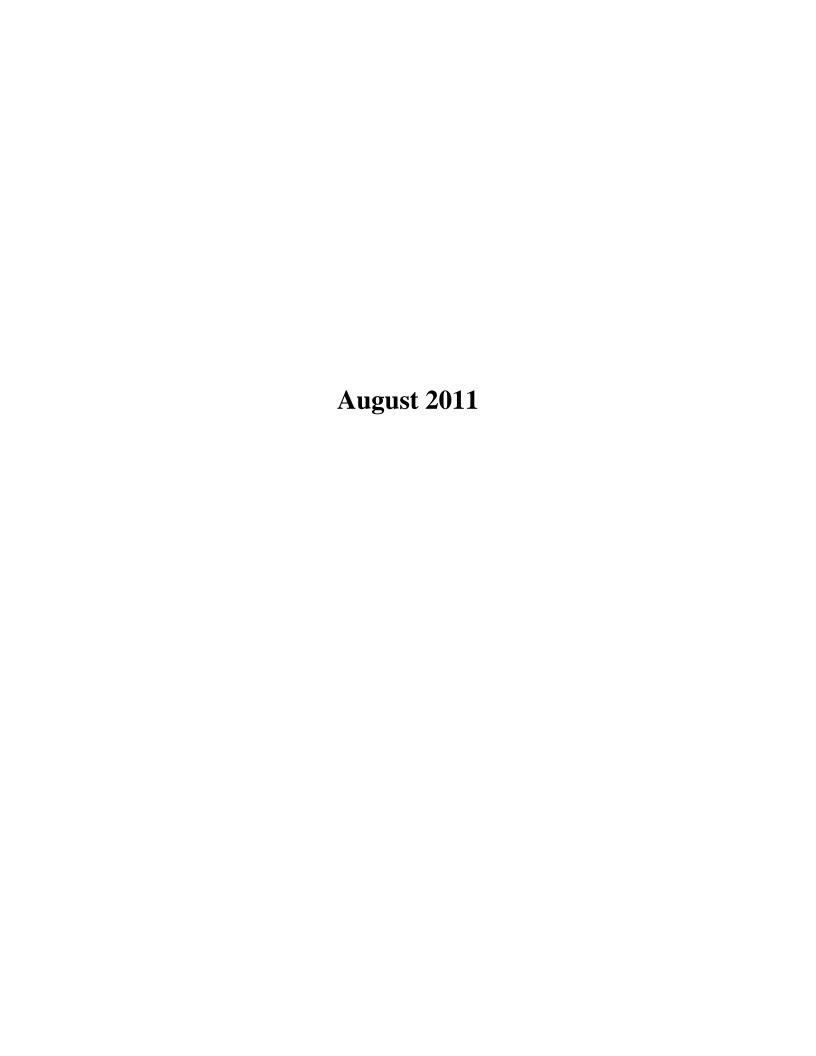
Photos (07.27.11)



P6280021 - View of PID screening of air samples at the influent port for GAC#1 in System #2.



associated with System #2.



	ational Heatset Printing Site - 1 Adams Bouler A Engineering and Preferred Environmental S						
Contractors. L	A Engineering and Freiened Environmental of	el vices					
EA Engineering Job No: 14	447429						
Site No: 15							
EA Project Manager: Ja	ames Hayward						
	DAILY REPO	<u>RT</u>					
Day: S	S M T W TH F S	WEATHER	Bright Sun	Partly Cloudy	Overcast	Rain	Snow
Date: 4-	-Aug-11	TEMP	To 32	32-50	50-70	70-85	85 and up
REPORT No.		WIND	Light	Moderate	High		·
PAGE No. 1		HUMIDITY	Dry	Moderate	Humid		
		WIND DIR	NÉ	NW	SE	SW	
PREPARED BY: TI	homas Fitzpatrick TITLE: Site Rep.	WIND DIR	N	S	Е	W	
AVERAGE FIELD FORCE							
Name of Contractor	Title	Hours Worked		Remarks			
Thomas Fitzpatrick	Technician	8:51 - 10:30			Pref	erred	
VISITORS							
Name	Time (From - To)	Representing		Remarks			
N/A	N/A	N/A	l.				
EQUIPMENT AT THE SIT	E I = Idle	W = Working					
1. Camera - W	3. Pressure Gauges - W	5. Vacuum Pum	ıp - W		Ĭ		
2. PID - W	4. Velocity & Temperature I	Meter - W			_		
OPERATION & MAINTEN	ANCE ACTIVITIES						
EA/Preferred Site Representa	ative: Thomas Fitzpatrick - Preferred						
EA/Preferred Site Representa	•	WOOK DEDEODMED AND ORS	EDVER				
	DESCRIPTION O	WORK PERFORMED AND OBS	ERVED				
8:51 - Preferred on-site and both sys	DESCRIPTION O	WORK PERFORMED AND OBS	ERVED				
8:51 - Preferred on-site and both sys 9:12 - Start of O&M on System #2.	DESCRIPTION O	WORK PERFORMED AND OBS	ERVED				
8:51 - Preferred on-site and both sys 9:12 - Start of O&M on System #2. 10:00 - Start of O&M on System #1.	DESCRIPTION OI tems running upon arrival.	WORK PERFORMED AND OBS	ERVED				
8:51 - Preferred on-site and both sys 9:12 - Start of O&M on System #2. 10:00 - Start of O&M on System #1. 10:28 - O&M for both systems compl	DESCRIPTION OF DESCRI		ERVED				
8:51 - Preferred on-site and both sys 9:12 - Start of O&M on System #2. 10:00 - Start of O&M on System #1. 10:28 - O&M for both systems compl	DESCRIPTION OF terms running upon arrival.						
8:51 - Preferred on-site and both sys 9:12 - Start of O&M on System #2. 10:00 -Start of O&M on System #1. 10:28 - O&M for both systems compl	DESCRIPTION OF DESCRI	unning upon departure. es report is continued on additional pa	ges	James Haywa	rd		Page 1 of 7
8:51 - Preferred on-site and both sys 9:12 - Start of O&M on System #2. 10:00 - Start of O&M on System #1. 10:28 - O&M for both systems compl 10:30 - Preferred locked both system	DESCRIPTION OF DESCRI	unning upon departure. es report is continued on additional pa	ges	James Haywa	rd		Page 1 of 7
8:51 - Preferred on-site and both sys 9:12 - Start of O&M on System #2. 10:00 -Start of O&M on System #1. 10:28 - O&M for both systems compl 10:30 - Preferred locked both system	DESCRIPTION OF DESCRI	unning upon departure. es report is continued on additional pa	ges	James Haywa	rd		Page 1 of 7

EA Engineering

6712 Brooklawn Parkway, Suite 104, Syracuse, New York 13211



National Heatset Printing Site, Farmingdale, NY Contract No., Site No. 152140 Monitoring Table August 4, 2011

DATE: 8/4/11 DAY: Thursday TECHNICIAN: Thomas Fitzpatrick

Weather: 75 Deg. Partly Cloudy

TCE Groundwater Treatment System #1 STATUS: ON OFF

I: System Data Collection

Run Time Meter Reading (since last shut down): 187.6 hours

Total Run Time Meter Reading: 8,561.6 hours

System Running at 41.0 Hz.

	Temperature Monitoring					
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments	
10:02	Extracted From Well	TI-01	22.0	71.6	DDC-1	
10:03	Extracted From Well	TI-02	23.0	73.4	DDC-2	
10:03	Pre-Heater Outlet	TI-03	34.5	94.1	Post Shell and Tubing	
10:04	Pre-Heater Input	TI-04	25.0	77.0	Before Shell and Tubing	
10:03	After Cooler Outlet	TI-05	37.0	98.6	Post Cooler Reading	
10:03	After Cooler Input	TI-06	49.0	120.2	Before Cooler Reading	
10:04	Blower Outlet	TI-07	64.0	147.2	Going to Pre-heater	
10:04	Between GAC Units	TI-08	35.0	95.0	After GAC #1	
10:04	GAC Unit Output	TI-09	33.0	91.4	After GAC #2	

	Pressure/Vacuum Monitoring					
Time	Location	PI/VI-ID	Pressure	Comments		
10:02	Discharge to Well	PI-01	2.4 PSI	DDC-1		
10:02	Discharge to Well	PI-02	2.2 PSI	DDC-2		
10:02	Drum	PI-03	-49.0 in. H2O	Vacuum Reading Going to Blower		

Flow Readings					
Time IF-ID Location Flow (SCF)					
10:01 FI-01 Extracted From DDC-1		252			
10:01 FI-02 Extracted From DDC-2 224					

Comments:

1) Flow meter F0-1 is functioning.

Weather: 75 Deg. Partly Cloudy

TCE Groundwater Treatment System #1

Influent Port

minucit i ort					
TIME	PID VOC ppm	Temp Deg. F			
10:05	3.5	97.3			

Comments: None

GAC Unit Information

Between GAC Unit #1 and GAC Unit #2

TIME	PID VOC ppm	Temp Deg. F
10:11	2.9	94.4

Comments: None

Effluent Port					
TIME	PID VOC ppm	Temp Deg.			
10:08	1.5	89.7			

Comments: None

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-1	Bubbling in well is sufficient.
DDC-2	Bubbling in well is sufficient.

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-1	No sump associated with this well.
DDC-2	No water detected in this well.

Liquid Levels in Knock-Out Tanks
Comments: No liquid detected in eithe knock-out tank.

Oil Level on Blower Comments: Oil levels were good. Oil was changed on 3/9/2011 with Omega SB-220 oil.

Addition Comments:	None

III: System Evaluation



System is operating satisfactorily

EA recommends / implements the following....

Continue to observe FO-1 gauge to ensure proper operation.

N/A

DATE: 8/4/11 DAY: Thursday TECHNICIAN: Thomas Fitzpatrick

Weather: 75 Deg. Partly Cloudy

GWTT EQUIPMENT INFORMATION

TCE Groundwater Treatment System #2 OFF STATUS: ON

I: System Data Collection

Total Run Time Meter Reading: 8,260.1 hours System Running at 41.0 Hz.

	Temperature Monitoring				
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments
9:13	Carbon Unit Inlet	CA01	32.0	89.6	Carbon Unit #1
9:11	Pre-Heater	PHA01	38.9	102.0	After Shell and Tubing
9:12	Blower Panel	B01	85.0	185.0	Exiting Blower
9:11	After Cooler Outlet	AC01	42.8	109.0	Post Cooler Piping
9:12	Pre-Heater	PHB01	68.3	155.0	Before Shell and Tubing

	Pressure/Vacuum Monitoring			
Time	Location	TI-ID	Pressure	Comments
9:10	Knock-Out Tank	T01	-0.9 in. Hg	Vacuum gauge on knock-out tank
9:13	Carbon-Unit #1 Outlet	CA1	-5.0 in. Hg	Vacuum exiting GAC #1
9:10	Discharge to Wells	WD2	2.7 PSI	Pressure reading on piping prior to splicing off to both wells
9:12	Blower Panel	BP01	-4.0 in. Hg	Vacuum coming off of blower
9:13	Carbon Unit #2 Outlet	CA2	-4.4 in. Hg	Vacuum exiting GAC #2
9:20	DDC-3	N/A	0.4 PSI	Pressure gauge on well head
9:36	DDC-4	N/A	0.2 PSI	Pressure gauge on well head

	Flow Readings				
Time	TI-ID	Location	Flow (CFM)		
9:09	WD01	Injected Air to DDC-3	152		
9:09	WD02	Injected Air to DDC-4	140		

Comments: None

DATE: 8/4/11 DAY: Thursday TECHNICIAN: Thomas Fitzpatrick

Weather: 75 Deg. Partly Cloudy

TCE Groundwater Treatment System #2

Influent Port GAC#1

illiacit i oit onomi			
TIME	PID VOC ppm	Temp Deg. F	
9:49	0.4	88.6	

Comments: None

GAC Unit Information

Influent Port GAC#2

TIME	PID VOC ppm	Temp Deg. F	
9:46	0.3	88.3	
O			

Comments: None

Effluent			
TIME	PID VOC ppm	Temp Deg F	
9:49	0.1	86.7	

Comments: None

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-3	Bubbling is sufficient in well.
DDC-4	Bubbling is sufficient in well.

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-3	1.5 inches of water in this sump.
DDC-4	1.5 inches of water in this sump

Liquid Levels in Knock-Out Tanks Comments: No liquid detected in Knock-Out Tank.

Oil Level on Blower
Comments: Oil levels were good. Oil was changed on 3/9/2011 with Omega SB-220 oil.



III: System Evaluation



System is operating satisfactorily

EA recommends / implements the following...

Change-out of sump pump in DDC-4

IV: Sampling / Lab Data

N/A

PHOTOGRAPHIC LOG

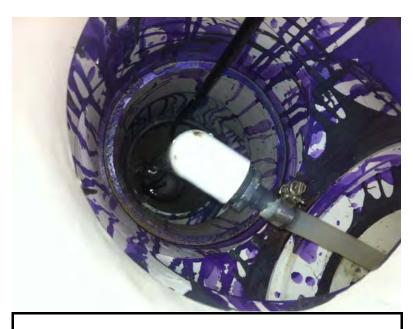
Date: 8-04-11 **EA Job No.**

National Heatset Printing Site

РНОТО	DATE	TIME	DESCRIPTION	COMMENTS
Picture 355	8/4/2011	1:42 PM	View of sump pump associated with DDC-4. Only 1.5 inches of water was detected within the sump.	
Picture 362	8/4/2011	10:04 AM	View of temperature gauge TI-07 reading 64.0 degrees Celsius.	

Page 6 of 7

Photos (08.04.11)



Picture 355 - View of sump pump associated with DDC-4. Only 1.5 inches of water was detected within the sump.



Picture 362 - View of temperature gauge TI-07 reading 64.0 degrees Celsius.

Project: Nat	ional Heatset Printing Site - 1 Adams Boulev	ard Farmingdale NV - Site Management	,				
	Engineering and Preferred Environmental Se						
EA Engineering Job No: 144							
Site No: <u>152</u>							
EA Project Manager: Jan	nes Hayward						
	DAILY REPOR	<u>RT</u>					
Day: S	M T W TH F S	WEATHER	Bright Sun	Partly Cloudy	Overcast	Rain	Snow
Date: 11-	Aug-11	TEMP	To 32	32-50	50-70	70-85	85 and up
REPORT No.	_	WIND	Light	Moderate	High		
PAGE No. 1		HUMIDITY	Dry	Moderate	Humid		
		WIND DIR	NE	NW	SE	SW	
PREPARED BY: Tho	mas Fitzpatrick TITLE: Site Rep.	WIND BIK	N	S	Е	W	
AVERAGE FIELD FORCE							
Name of Contractor	Title	Hours Worked				narks	
Thomas Fitzpatrick	Technician	10:21 - 11:40			Pref	erred	
VISITORS							
Name	Time (From - To)	Representing			Rem	narks	
N/A	N/A	N/A					
EQUIPMENT AT THE SITE		W = Working			_		
1. Camera - W	3. Pressure Gauges - W	5. Vacuum Pum	p - W				
2. PID - W 4. Velocity & Temperature Me		leter - VV					
OPERATION & MAINTENA	NCE ACTIVITIES						
	ive: Thomas Fitzpatrick - Preferred						
10.01		WORK PERFORMED AND OBS	ERVED				
10:21 - Preferred on-site and both syst	ems running upon arrivai.						
10:27 - Start of O&M on System #2. 11:06 - Start of O&M on System #1.							
11:35 - O&M for both systems complet	ad						
	and all parties off-site. Both systems were ru	inning upon departure					
11.40 - Frederica locked both systems		es report is continued on additional pa	ges				
EA/Preferred Site Representativ	e: Thomas Fitzpatrick (Prefe	rred) Project Ma	anager:	James Haywa	rd		Page 1 of 7
			-				

EA Engineering

6712 Brooklawn Parkway, Suite 104, Syracuse, New York 13211



National Heatset Printing Site, Farmingdale, NY Contract No., Site No. 152140 Monitoring Table August 11, 2011

DATE: 8/11/11 DAY: Thursday TECHNICIAN: Thomas Fitzpatrick

Weather: 80 Deg. Bright Sun

TCE Groundwater Treatment System #1 STATUS: ON OFF

I: System Data Collection

Run Time Meter Reading (since last shut down): 356.7 hours

Total Run Time Meter Reading: 8,730.9 hours

System Running at 41.0 Hz.

	Temperature Monitoring				
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments
11:00	Extracted From Well	TI-01	22.0	71.6	DDC-1
11:08	Extracted From Well	TI-02	24.0	75.2	DDC-2
11:08	Pre-Heater Outlet	TI-03	36.0	96.8	Post Shell and Tubing
11:09	Pre-Heater Input	TI-04	26.0	78.8	Before Shell and Tubing
11:09	After Cooler Outlet	TI-05	39.0	102.2	Post Cooler Reading
11:09	After Cooler Input	TI-06	50.0	122.0	Before Cooler Reading
11:10	Blower Outlet	TI-07	63.5	146.3	Going to Pre-heater
11:10	Between GAC Units	TI-08	36.0	96.8	After GAC #1
11:10	GAC Unit Output	TI-09	34.0	93.2	After GAC #2

	Pressure/Vacuum Monitoring			
Time	Location	PI/VI-ID	Pressure	Comments
11:07	Discharge to Well	PI-01	2.4 PSI	DDC-1
11:07	Discharge to Well	PI-02	2.2 PSI	DDC-2
11:07	Drum	PI-03	-49.0 in. H2O	Vacuum Reading Going to Blower

Flow Readings			
Time	IF-ID	Location	Flow (SCFM)
11:06	FI-01	Extracted From DDC-1	252
11:06	FI-02	Extracted From DDC-2	225

Comments:

Flow meter F0-1 is functioning.

Weather: 80 Deg. Bright Sun

TCE Groundwater Treatment System #1

Influent Port

- 4					
	TIME	PID VOC ppm	Temp Deg. F		
	11:14	0.0	100.0		

Comments: None

GAC Unit Information

Between GAC Unit #1 and GAC Unit #2

TIME	PID VOC ppm	Temp Deg. F
11:20	0.0	97.3

Comments: None

	Effluent Port	
TIME	PID VOC ppm	Temp Deg.
11:16	0.0	94.2

Comments: None

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-1	Bubbling in well is sufficient.
DDC-2	Bubbling in well is sufficient.

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-1	No sump associated with this well.
DDC-2	No water detected in this sump.

Liquid Levels in Knock-Out Tanks
Comments: No liquid detected in either
knock-out tank.

Oil Level on Blower Comments: Oil levels were good. Oil was changed on 3/9/2011 with Omega SB-220 oil.

Addition Comments:	None

III: System Evaluation



System is operating satisfactorily

EA recommends / implements the following...

Replace FO-1 gauge.

N/A

DATE: 8/11/11 DAY: Thursday TECHNICIAN: Thomas Fitzpatrick

Weather: 80 Deg. Bright Sun

GWTT EQUIPMENT INFORMATION

TCE Groundwater Treatment System #2 OFF STATUS: ON

I: System Data Collection

Total Run Time Meter Reading: 8,429.4 hours System Running at 41.0 Hz.

	Temperature Monitoring					
Time Location TI-ID Temperature deg. C deg. F Commen						
10:32	Carbon Unit Inlet	CA01	32.0	89.6	Carbon Unit #1	
10:30	Pre-Heater	PHA01	40.0	104.0	After Shell and Tubing	
10:31	Blower Panel	ver Panel B01 85.0 180.0 Exiting Blower		Exiting Blower		
10:30	After Cooler Outlet	AC01	43.3	110.0	Post Cooler Piping	
10:30	Pre-Heater	PHB01	68.3	155.0	Before Shell and Tubing	

	Pressure/Vacuum Monitoring				
Time	Location	TI-ID	Pressure	Comments	
10:30	Knock-Out Tank	T01	-0.0 in. Hg	Vacuum gauge on knock-out tank	
10:32	Carbon-Unit #1 Outlet	CA1	-4.5 in. Hg	Vacuum exiting GAC #1	
10:29	Discharge to Wells	WD2	2.7 PSI	Pressure reading on piping prior to splicing off to both wells	
10:31	Blower Panel	BP01	-4.0 in. Hg	Vacuum coming off of blower	
10:31	Carbon Unit #2 Outlet	CA2	-4.0 in. Hg	Vacuum exiting GAC #2	
10:52	DDC-3	N/A	0.4 PSI	Pressure gauge on well head	
10:56	DDC-4	N/A	0.5 PSI	Pressure gauge on well head	

Flow Readings					
Time TI-ID Location Flow (CFM)					
10:28	WD01	Injected Air to DDC-3	182		
10:28	WD02	Injected Air to DDC-4	147		
Comments None					

Comments: None

Weather: 80 Deg. Bright Sun

TCE Groundwater Treatment System #2

Influent Port GAC#1

TIME	PID VOC ppm	Temp Deg. F		
10:37	0.0	87.7		

Comments: None

GAC Unit Information

Influent Port GAC#2

TIME	PID VOC ppm	Temp Deg. F	
10:41	0.0	87.7	

Effluent					
TIME	PID VOC ppm	Temp Deg.			
10:44	0.0	90.1			

Comments: None

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-3	Bubbling is sufficient in well.
DDC-4	Bubbling is sufficient in well.

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-3	No water detected in this sump.
DDC-4	1.5 inches of water in this sump

Liquid Levels in Knock-Out Tanks Comments: No liquid detected in Knock-Out Tank.

Oil Level on Blower
Comments: Oil levels were good. Oil was changed on 3/9/2011 with Omega SB-220 oil.



III: System Evaluation



N/A

PHOTOGRAPHIC LOG

Date: 8-11-11 **EA Job No.**

National Heatset Printing Site

РНОТО	DATE	TIME	DESCRIPTION	COMMENTS
Picture 357	8/11/2011	10:37 AM	Field Screening of the influent ports in System #2 resulted in a reading of 0.0 ppm.	
Picture 358	8/11/2011	11:06 AM	View of the control panel associated with System #1. No alarms were tripped upon arrival.	

Page 6 of 7

Photos (08.11.11)



Picture 357 - Field Screening of the influent ports in System #2 resulted in a reading of 0.0 ppm.



Picture 358 - View of the control panel associated with System #1. No alarms were tripped upon arrival.

Page 7 of 7

D :							
Project: National Heatset Printing Site - 1 Adams Boulevard, Farmingdale, NY - Site Management							
Contractors: EA Engineering and Preferred Environmental Services							
EA Engineering Joh No. 44	47400						
EA Engineering Job No: 144							
Site No: 152							
EA Project Manager: Jar	nes Hayward						
	DAILY REPO	<u>RT</u>					
Day: S		WEATHER	Bright Sun	Partly Cloudy	Overcast	Rain	Snow
Date: <u>17-</u>	Aug-11	TEMP	To 32	32-50	50-70	70-85	85 and up
REPORT No.		WIND	Light	Moderate	High		
PAGE No. 1		HUMIDITY	Dry	Moderate	Humid	L1	
_		WIND DIR	NE	NW	SE	SW	
PREPARED BY: The	omas Fitzpatrick TITLE: Site Rep.	WIND DIK	N	S	Е	W	
AVERAGE FIELD FORCE							
Name of Contractor	Title	Hours Worked				arks	
Thomas Fitzpatrick	Technician	10:50 - 14:50			Pref	erred	
VISITORS							
Name	Time (From - To)	Representing			Rem	arks	
N/A	N/A	N/A					
EQUIPMENT AT THE SITE	I = Idle	W = Working					
1. Camera - W	3. Pressure Gauges - W	5. Vacuum Pum	n - W		1		
2. PID - W	4. Velocity & Temperature I		ip vv		1		
OPERATION & MAINTENA							
EA/Preferred Site Representat	tive: Thomas Fitzpatrick - Preferred						
	DESCRIPTION OF	F WORK PERFORMED AND OBS	ERVED				
10:50 - Preferred on-site and both sys	tems were off upon arrival. The Variable Fre	quency Drive (VFD) associated with Syst	tem #2 dis	played "Mom P	ower Loss" ala	rm.	
11:24 - Began changing oil in System	#2 blower.						
12:00 - Turned System #2 on. Began	changing oil in System #1 blower.						
13:06 - Turned System #1 on. Began	O&M on System #2.			· · · · · · · · · · · · · · · · · · ·			
13:55 - Started O&M on System #1.							
14:20 - O&M for both systems complete							
14:30 - Preferred locked both systems	and all parties off-site. Both systems runnin	g upon departure.					
	x - Designa	tes report is continued on additional pa	iges				
EA/Preferred Site Representative	/e: Thomas Fitzpatrick (Prefe	erred) Project M	anager:	James Haywa	rd		Page 1 of 7

EA Engineering

6712 Brooklawn Parkway, Suite 104, Syracuse, New York 13211



National Heatset Printing Site, Farmingdale, NY Contract No., Site No. 152140 Monitoring Table August 17, 2011

DATE: 8/17/11 DAY: Wednesday TECHNICIAN: Thomas Fitzpatrick

Weather: 80 Deg. Partly Cloudy

TCE Groundwater Treatment System #1 STATUS: ON OFF System was off upon arrival with all alarms lit on control panel. The System shut down early Sunday morning after running 66.6 hours after previous O&M inspection on 8-11-11.

I: System Data Collection

Run Time Meter Reading (since last shut down): <u>423.4</u> hours Total Run Time Meter Reading: <u>8,797.5</u> hours System Running at <u>41.0</u> Hz.

	Temperature Monitoring						
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments		
14:00	Extracted From Well	TI-01	22.0	71.6	DDC-1		
14:00	Extracted From Well	TI-02	23.0	73.4	DDC-2		
14:01	Pre-Heater Outlet	TI-03	34.0	93.2	Post Shell and Tubing		
14:00	Pre-Heater Input	TI-04	25.0	77.0	Before Shell and Tubing		
14:00	After Cooler Outlet	TI-05	38.0	100.4	Post Cooler Reading		
14:00	After Cooler Input	TI-06	47.0	116.6	Before Cooler Reading		
14:01	Blower Outlet	TI-07	61.0	141.8	Going to Pre-heater		
14:01	Between GAC Units	TI-08	33.0	91.4	After GAC #1		
14:01	GAC Unit Output	TI-09	31.0	87.8	After GAC #2		

	10	Pressure/V	acuum Monitoring	ir
Time	Location	PI/VI-ID	Pressure	Comments
13:58	Discharge to Well	PI-01	3.0 PSI	DDC-1
13:58	Discharge to Well	PI-02	2.7 PSI	DDC-2
13:58	Drum	PI-03	-47.0 in. H2O	Vacuum Reading Going to Blower

Flow Readings					
Time	IF-ID	Location	Flow (SCFM)		
13:59	FI-01	Extracted From DDC-1	146		
13:59	FI-02	Extracted From DDC-2	225		

Comments:

1) Flow meter F0-1 is functioning.

Weather: 80 Deg. Partly Cloudy

TCE Groundwater Treatment System #1

Influent Port

- 4							
	TIME	PID VOC ppm	Temp Deg. F				
	14:09	4.6	97.8				

Comments: None

GAC Unit Information

Between GAC Unit #1 and GAC Unit #2

TIME	PID VOC ppm	Temp Deg. F
14:14	2.3	92.2

PID VOC Temp Deg. TIME 14:11 1.6 89.7

Effluent Port

Comments: None

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-1	Bubbling in well is sufficient.
DDC-2	Bubbling in well is sufficient.

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-1	No sump associated with this well.
DDC-2	No water detected in this sump.

Liquid Levels in Knock-Out Tanks

Comments: No liquid detected in either knock-out tank.

Oil Level on Blower Comments: Oil levels were good. Oil was changed during this O&M (8-17-2011) visit with Omega SB-220 oil.

Addition Comments:

A dripping was noted on DDC-1 well head. Visual inspection was limited due to the lack of access in the well vault, but it appeared that the dripping was emanating from the bottom of the well head. When System #1 was off, no water was observed within the bottom of the well vault. Shortly after the system was turned on, water was noted to be accumulating on the bottom of the well vault, along with a constant drip from the well head. In conclusion, water infiltartion was a result of recent rainfall and an elevated groundwater table.

III: System Evaluation



System is operating satisfactorily

EA recommends / implements the following....

Keep close watch on FO-1 gauge to ensure proper operation.

N/A	

DATE: 8/17/11 DAY: Wednesday TECHNICIAN: Thomas Fitzpatrick

Weather: 80 Deg. Partly Cloudy

GWTT EQUIPMENT INFORMATION

TCE Groundwater Treatment System #2 STATUS: ON OFF *The Variable Frequency Drive (VFD) displayed "Mom Power Loss" alarm. The System shut down Sunday 8-14-11 after running 74.4 hours after previous O&M inspection on 8-11-11.

I: System Data Collection

Total Run Time Meter Reading: $\underline{8.533.8}$ hours System Running at $\underline{41.0}$ Hz.

	Temperature Monitoring						
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments		
13:19	Carbon Unit Inlet	CA01	32.0	89.6	Carbon Unit #1		
13:17	Pre-Heater	PHA01	40.6	105.0	After Shell and Tubing		
13:18	Blower Panel	B01	85.0	185.0	Exiting Blower		
13:17	After Cooler Outlet	AC01	46.1	115.0	Post Cooler Piping		
13:18	Pre-Heater	PHB01	73.9	165.0	Before Shell and Tubing		

Flow Readings						
Time	TI-ID	Location	Flow (CFM)			
13:16	WD01	Injected Air to DDC-3	182			
13:16 WD02 Injected Air to DDC-4 126						

Comments: None

	Pressure/Vacuum Monitoring					
Time	Location	TI-ID	Pressure	Comments		
13:16	Knock-Out Tank	T01	-1.4 in. Hg	Vacuum gauge on knock-out tank		
13:19	Carbon-Unit #1 Outlet	CA1	-5.1 in. Hg	Vacuum exiting GAC #1		
13:16	Discharge to Wells	WD2	3.2 PSI	Pressure reading on piping prior to splicing off to both wells		
13:18	Blower Panel	BP01	-2.1 in. Hg	Vacuum coming off of blower		
13:19	Carbon Unit #2 Outlet	CA2	-4.6 in. Hg	Vacuum exiting GAC #2		
13:30	DDC-3	N/A	0.4 PSI	Pressure gauge on well head		
13:34	DDC-4	N/A	0.1 PSI	Pressure gauge on well head		

Weather: 80 Deg. Partly Cloudy

TCE Groundwater Treatment System #2

Influent Port GAC#1

IIIII	CHE I OIL C	70"
TIME	PID VOC ppm	Temp Deg. F
13:47	0.7	90.4

Comments: None

GAC Unit Information

Influent Port GAC#2

TIME	PID VOC ppm	Temp Deg. F	
13:47	0.5	91.7	

Effluent					
TIME	PID VOC ppm	Temp Deg F			
13:50	0.1	88.1			

Comments: None

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-3	Bubbling is sufficient in well.
DDC-4	Bubbling is sufficient in well.

Inspection of Sumps Associated with DDC Wells

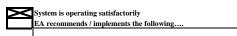
Well#	Comments
DDC-3	No water detected in this sump.
DDC-4	1.5 inches of water in this sump

Liquid Levels in Knock-Out Tanks Comments: No liquid detected in Knock-Out Tank.

Oil Level on Blower
Comments: Oil levels were good. Oil was changed during this O&M visit (8-17-11) with Omega SB-220 oil.

Addition Comments:	None
--------------------	------

III: System Evaluation



1	N/A

PHOTOGRAPHIC LOG

Date: 8-17-11 **EA Job No.**

National Heatset Printing Site

РНОТО	DATE	TIME	DESCRIPTION	COMMENTS
Picture 355	8/17/2011	11:00 AM	While System #1 was off, no water was observed pooling outside the casing of DDC-1.	
Picture 401	8/17/2011	14:10 PM	View of pooled water that accumulated after System #1 was turned on.	

Page 6 of 7

Photos (08.17.11)



Picture 355 - While System #1 was off, no water was observed pooling outside the casing of DDC-1.



Picture 401 - View of pooled water that accumulated after System #1 was turned on.

Project. Nat	ional Heatset Printing Site - 1 Adams Boulev	ard, Farmingdale, NY - Site Manageme	nt				
Contractors: EA	Engineering and Preferred Environmental Se	ervices					
_							
EA Engineering Job No: 144							
Site No: 152							
EA Project Manager: Jan	nes Hayward						
	DAILY REPOR	<u>RT</u>					
D	M T W TH F S	WEATHER	Bright	Partly		<u> </u>	
Day: S	M T W TH F S	WEATHER	Sun	Cloudy	Overcast	Rain	Snow
Date: 23-	Aug-11	TEMP	To 32	32-50	50-70	70-85	85 and up
REPORT No.		WIND	Light	Moderate	High		
PAGE No. 1		HUMIDITY	Dry	Moderate	Humid		
		WIND DIR	NÉ	NW	SE	SW	
PREPARED BY: The	omas Fitzpatrick TITLE: Site Rep.	WIND DIK	N	S	Е	W	
AVERAGE FIELD FORCE							
Name of Contractor	Title	Hours Worked				arks	
Thomas Fitzpatrick	Technician	9:25 - 10:49			Pref	erred	
VISITORS							
Name	Time (From - To)	Representing			Rem	arks	
N/A	N/A	N/A					
EQUIPMENT AT THE SITE	I = Idle	W = Working					
					Ĭ		
1. Camera - W	3. Pressure Gauges - W	1. Camera - W 3. Pressure Gauges - W 5. Vacuum Pump - W 2. PID - W 4. Velocity & Temperature Meter - W					
2. PID - W	4. Velocity & Temperature N						
2. PID - W OPERATION & MAINTENA	4. Velocity & Temperature N		<u>'</u>				
2. PID - W OPERATION & MAINTENA	4. Velocity & Temperature N		•				
2. PID - W OPERATION & MAINTENA	4. Velocity & Temperature N NCE ACTIVITIES ive: Thomas Fitzpatrick - Preferred						
2. PID - W OPERATION & MAINTENA	4. Velocity & Temperature N NCE ACTIVITIES ive: Thomas Fitzpatrick - Preferred DESCRIPTION OF	Aeter - W					
2. PID - W OPERATION & MAINTENA EA/Preferred Site Representat	4. Velocity & Temperature N NCE ACTIVITIES ive: Thomas Fitzpatrick - Preferred DESCRIPTION OF	Aeter - W					
2. PID - W OPERATION & MAINTENA EA/Preferred Site Representat 9:25 - Preferred on-site. Both systems	4. Velocity & Temperature N NCE ACTIVITIES ive: Thomas Fitzpatrick - Preferred DESCRIPTION OF	Aeter - W					
2. PID - W OPERATION & MAINTENA EA/Preferred Site Representat 9:25 - Preferred on-site. Both systems 9:32 - Start O&M on System #2 10:18 - Start O&M on System #1. 10:40 - O&M for both systems complet	4. Velocity & Temperature N NCE ACTIVITIES ive: Thomas Fitzpatrick - Preferred DESCRIPTION OF running.	F WORK PERFORMED AND OB					
2. PID - W OPERATION & MAINTENA EA/Preferred Site Representat 9:25 - Preferred on-site. Both systems 9:32 - Start O&M on System #2 10:18 - Start O&M on System #1. 10:40 - O&M for both systems complet	4. Velocity & Temperature N NCE ACTIVITIES ive: Thomas Fitzpatrick - Preferred DESCRIPTION OF running.	F WORK PERFORMED AND OB					
2. PID - W OPERATION & MAINTENA EA/Preferred Site Representat 9:25 - Preferred on-site. Both systems 9:32 - Start O&M on System #2 10:18 - Start O&M on System #1. 10:40 - O&M for both systems complet	4. Velocity & Temperature N NCE ACTIVITIES ive: Thomas Fitzpatrick - Preferred DESCRIPTION OF running. e. and all parties off-site. Both systems running	F WORK PERFORMED AND OB	SERVED				
2. PID - W OPERATION & MAINTENA EA/Preferred Site Representat 9:25 - Preferred on-site. Both systems 9:32 - Start O&M on System #2 10:18 - Start O&M on System #1. 10:40 - O&M for both systems complet	4. Velocity & Temperature N NCE ACTIVITIES ive: Thomas Fitzpatrick - Preferred DESCRIPTION OF running. e. and all parties off-site. Both systems running x - Designat	F WORK PERFORMED AND OB: g upon departure. es report is continued on additional p	SERVED ages	James Haywa	rd		Page 1 of 7
2. PID - W OPERATION & MAINTENA EA/Preferred Site Representat 9:25 - Preferred on-site. Both systems 9:32 - Start O&M on System #2 10:18 - Start O&M on System #1. 10:40 - O&M for both systems complet 10:49 - Preferred locked both systems	4. Velocity & Temperature N NCE ACTIVITIES ive: Thomas Fitzpatrick - Preferred DESCRIPTION OF running. e. and all parties off-site. Both systems running x - Designat	F WORK PERFORMED AND OB: g upon departure. es report is continued on additional p	SERVED ages	James Haywa	rd		Page 1 of 7
2. PID - W OPERATION & MAINTENA EA/Preferred Site Representat 9:25 - Preferred on-site. Both systems 9:32 - Start O&M on System #2 10:18 - Start O&M on System #1. 10:40 - O&M for both systems complet 10:49 - Preferred locked both systems	4. Velocity & Temperature N NCE ACTIVITIES ive: Thomas Fitzpatrick - Preferred DESCRIPTION OF running. e. and all parties off-site. Both systems running x - Designat	F WORK PERFORMED AND OB: g upon departure. es report is continued on additional p	SERVED ages	James Haywa	rd		Page 1 of 7

EA Engineering

6712 Brooklawn Parkway, Suite 104, Syracuse, New York 13211



National Heatset Printing Site, Farmingdale, NY Contract No., Site No. 152140 Monitoring Table August 23, 2011

DATE: 8/23/11 DAY: Tuesday TECHNICIAN: Thomas Fitzpatrick

Weather: 70 Deg. Bright Sun

TCE Groundwater Treatment System #1 STATUS: ON OFF

I: System Data Collection

Run Time Meter Reading (since last shut down): 141.2 hours Total Run Time Meter Reading: 8.938.8 hours System Running at 41.0 Hz.

	Temperature Monitoring						
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments		
10:23	Extracted From Well	TI-01	20.0	68.0	DDC-1		
10:23	Extracted From Well	TI-02	22.0	71.6	DDC-2		
10:24	Pre-Heater Outlet	TI-03	34.0	93.2	Post Shell and Tubing		
10:24	Pre-Heater Input	TI-04	24.0	75.2	Before Shell and Tubing		
10:23	After Cooler Outlet	TI-05	36.5	97.7	Post Cooler Reading		
10:24	After Cooler Input	TI-06	49.0	120.2	Before Cooler Reading		
10:24	Blower Outlet	TI-07	64.0	147.2	Going to Pre-heater		
10:24	Between GAC Units	TI-08	34.0	93.2	After GAC #1		
10:24	GAC Unit Output	TI-09	32.0	89.6	After GAC #2		

	Pressure/Vacuum Monitoring						
Time	Location	PI/VI-ID	Pressure	Comments			
10:22	Discharge to Well	PI-01	3.1 PSI	DDC-1			
10:22	Discharge to Well	PI-02	2.7 PSI	DDC-2			
10:23	Drum	PI-03	-47.0 in. H2O	Vacuum Reading Going to Blower			

Flow Readings						
Time	IF-ID	Location	Flow (SCFM)			
10:21	FI-01	Extracted From DDC-1	243			
10:21	FI-02	Extracted From DDC-2	225			

Comments:

1) Flow meter F0-1 is functioning.

DATE: 8/23/11 DAY: Tuesday TECHNICIAN: Thomas Fitzpatrick

Weather: 70 Deg. Bright Sun

TCE Groundwater Treatment System #1

Influent Port

TIME	PID VOC ppm	Temp Deg. F
10:28	4.9	97.5

Comments: None

GAC Unit Information

Between GAC Unit #1 and GAC Unit #2

TIME	PID VOC ppm	Temp Deg. F			
10:34	4.2	94.0			
Comments: None					

Effluent Port						
TIME	PID VOC ppm	Temp Deg.				
10:31	2.6	88.5				

Comments: None

II: System Maintenance and Observations

inspection of water column in DDC wells						
Well#	Comments					
DDC-1	Bubbling in well is sufficient.					
DDC-2	Bubbling in well is sufficient.					

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-1	No sump associated with this well.
DDC-2	No water detected in this sump.

Liquid Levels in Knock-Out Ta	nks
Comments: No liquid detected in knock-out tank.	eithe

Oil Level on Blower				
Comments: Oil levels were good. Oil was changed on				
8/17/11 with Omega SB-220 oil.				

Addition Comments:	None	

III: System Evaluation



System is operating satisfactorily
EA recommends / implements the following...

Flow meter F0-1 needs to be replaced.

DATE: 8/23/11 DAY: Tuesday TECHNICIAN: Thomas Fitzpatrick

Weather: 70 Deg. Bright Sun

GWTT EQUIPMENT INFORMATION

TCE Groundwater Treatment System #2 OFF STATUS: ON

I: System Data Collection

Total Run Time Meter Reading: 8.675.3 hours System Running at 41.0 Hz.

	Temperature Monitoring				
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments
9:39	Carbon Unit Inlet	CA01	29.0	84.2	Carbon Unit #1
9:37	Pre-Heater	PHA01	39.4	103.0	After Shell and Tubing
9:38	Blower Panel	B01	85.0	185.0	Exiting Blower
9:37	After Cooler Outlet	AC01	42.2	108.0	Post Cooler Piping
9:38	Pre-Heater	PHB01	70.6	159.0	Before Shell and Tubing

	Pressure/Vacuum Monitoring					
Time	Location	TI-ID	Pressure	Comments		
9:37	Knock-Out Tank	T01	-0.5 in. Hg	Vacuum gauge on knock-out tank		
9:39	Carbon-Unit #1 Outlet	CA1	-4.8 in. Hg	Vacuum exiting GAC #1		
9:36	Discharge to Wells	WD2	3.3 PSI	Pressure reading on piping prior to splicing off to both wells		
9:38	Blower Panel	BP01	-2.0 in. Hg	Vacuum coming off of blower		
9:38	Carbon Unit #2 Outlet	CA2	-4.2 in. Hg	Vacuum exiting GAC #2		
10:00	DDC-3	N/A	0.4 PSI	Pressure gauge on well head		
10:10	DDC-4	N/A	0.4 PSI	Pressure gauge on well head		

	Flow Readings							
	Time	TI-ID	Flow (CFM)					
	9:36	WD01	Injected Air to DDC-3	189				
	9:36	WD02	Injected Air to DDC-4	140				
•	0							

Comments: None

Weather: 70 Deg. Bright Sun

TCE Groundwater Treatment System #2

Influent Port GAC#1

IIIII GILL O'LL O'LLOW I						
TIME	PID VOC ppm	Temp Deg. F				
9:49	1.1	81.1				

Comments: None

GAC Unit Information

Influent Port GAC#2

TIME	PID VOC ppm	Temp Deg. F				
9:51	1.0	85.4				
Commonto	O					

Effluent					
TIME	PID VOC ppm	Temp Deg.			
9:54	0.6	84.7			

Comments: None

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-3	Bubbling is sufficient in well.
DDC-4	Bubbling is sufficient in well.

Inspection of Sumps Associated with DDC Wells

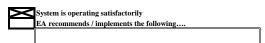
Well#	Comments
DDC-3	.5 inches of water in this sump
DDC-4	About 1 foot of water in this sump

Liquid Levels in Knock-Out Tanks Comments: No liquid detected in Knock-Out Tank.





III: System Evaluation



N/A

PHOTOGRAPHIC LOG

Date: 8-23-11 **EA Job No.**

National Heatset Printing Site

РНОТО	DATE	TIME	DESCRIPTION	COMMENTS
Picture 268	8/23/2011	10:21 AM	View of FI-01 and FI-02 gauges reading 243 SCFM and 225 SCFM, respectively.	
Picture 367	8/23/2011	10:33 AM	View of a knock-out tank associated with System #1. No water was observed within the site glass.	

Page 6 of 7

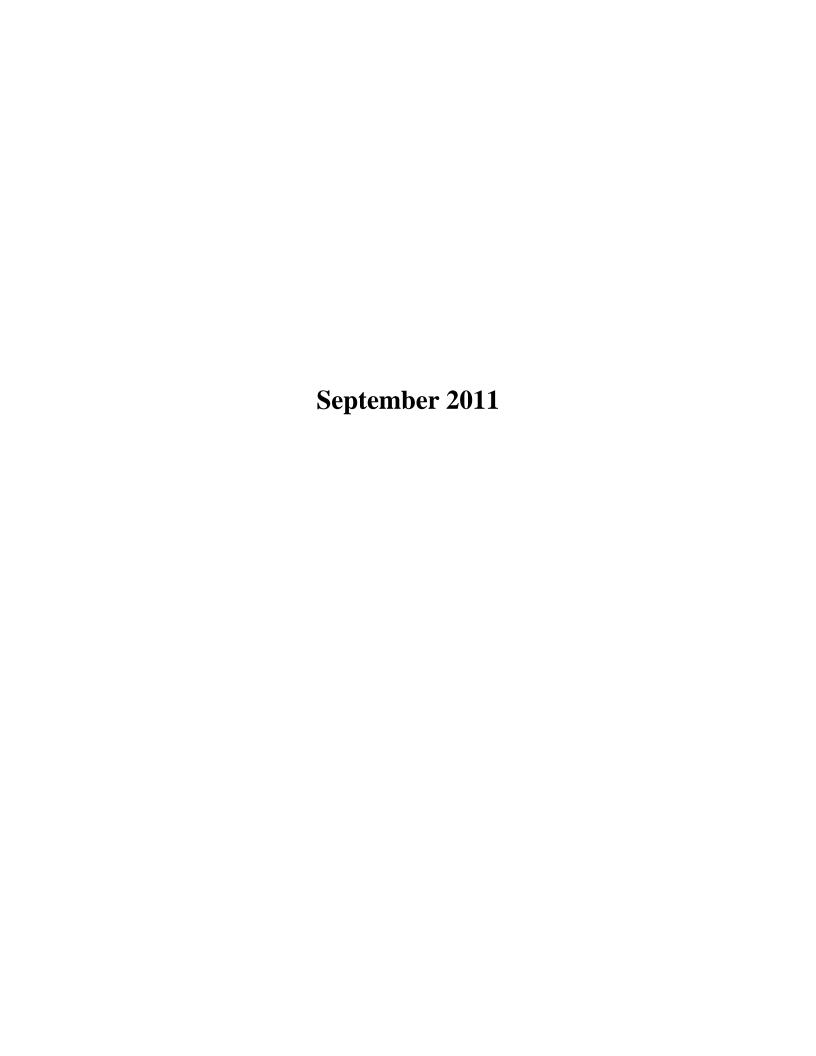
Photos (08.23.11)



Picture 268 - View of FI-01 and FI-02 gauges reading 243 SCFM and 225 SCFM, respectively.



Picture 367 - View of a knock-out tank associated with System #1. No water was observed within the site glass.



·	ational Heatset Printing Site - 1 Adams Boulev		ent				
Contractors: EA	A Engineering and Preferred Environmental S	ervices					
EA Engineering Job No: 14	47429						
Site No: 15							
EA Project Manager: Ja	mes Hayward						
	DAILY REPO	<u>RT</u>					
Day: S	M T W TH F S	WEATHE	Bright Sun	Partly Cloudy	Overcast	Rain	Snow
Date: 9-	Sep-11	TEMP	To 32	32-50	50-70	70-85	85 and up
REPORT No.		WIND	Light	Moderate	High		
PAGE No. 1		HUMIDIT	,	Moderate	Humid		
PDED 4 DED DV	TITLE	WIND DIE	NE	NW	SE	SW	
PREPARED BY: Th	omas Fitzpatrick TITLE: Site Rep.		N	S	Е	W	
AVERAGE FIELD FORCE							
Name of Contractor	Title	Hours Worked			Rem	arks	
Thomas Fitzpatrick	Technician	11:25 - 13:55			Prefe	erred	
VISITORS							
Name	Time (From - To)	Representing			Rem	arks	
N/A	N/A	N/A			N	/A	
EQUIPMENT AT THE SITE		W = Working					
1. Camera - W 2. PID - W	3. Pressure Gauges - W 4. Velocity & Temperature N	5. Vacuum P	ımp - vv		1		
	,						
OPERATION & MAINTEN							
EA/Preferred Site Representa	tive: Thomas Fitzpatrick - Preferred						
	DESCRIPTION OF	WORK PERFORMED AND OF	SERVED				
11:25 - Preferred on-site and both sys							
11:42 - Start O&M on System #2							
	in site glass of knock-out tank. No water was			em #2.			
12:30 - System #2 was shut off due to	ell head was reading 1.3 PSI. Turbulent water b high groundwater levels from recent precipit	• • • • • • • • • • • • • • • • • • • •		nin system and	introduced wat	er into the	airlines. Spoke to
Jim Hayward (EA) - leave system off 12:47 - Start O&M on System #1.	uriui Gyy ieyels lecede.						
	out tank No. 1 was observed to be consistent	ly running, and was noted to have a po	ssible leak.	The float within	the knock-out t	ank was r	eadjusted,
	nuts on the back of the pump were also tighter						
13:20 - A foot of water seen within su	mp associated with DDC-2. Sump pump may	need to be replaced.					
13:50 - O&M for both systems are co						-	
13:55 - Preferred locked both system	s and all parties off-site. System #1 was on up	oon departure, while System #2 was lef	off.				
	x - Designat	tes report is continued on additional	oages				
EA/Preferred Site Representati	ve: Thomas Fitzpatrick (Prefe	erred) Project	Manager:	James Haywa	rd		Page 1 of 7

EA Engineering

6712 Brooklawn Parkway, Suite 104, Syracuse, New York 13211



National Heatset Printing Site, Farmingdale, NY Contract No., Site No. 152140 Monitoring Table September 09, 2011

DATE: 9/9/11 DAY: Friday TECHNICIAN: Thomas Fitzpatrick

Weather: 80 Deg. Bright Sun

TCE Groundwater Treatment System #1

STATUS: ON

OFF * All alarms were triggered upon arrival. The control panel was

reset and system was then restarted.

I: System Data Collection

Run Time Meter Reading (since last shut down): <u>15.5</u> hours

Total Run Time Meter Reading: <u>9.065.3</u> hours - System only ran for 15.70 hours

System Running at <u>41.0</u> Hz.

	Temperature Monitoring						
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments		
12:50	Extracted From Well	TI-01	17.0	62.6	DDC-1		
12:50	Extracted From Well	TI-02	22.0	71.6	DDC-2		
12:51	Pre-Heater Outlet	TI-03	34.5	94.1	Post Shell and Tubing		
12:51	Pre-Heater Input	TI-04	24.0	75.2	Before Shell and Tubing		
12:50	After Cooler Outlet	TI-05	41.0	105.8	Post Cooler Reading		
12:51	After Cooler Input	TI-06	53.0	127.4	Before Cooler Reading		
12:51	Blower Outlet	TI-07	67.0	152.6	Going to Pre-heater		
12:52	Between GAC Units	TI-08	33.0	91.4	After GAC #1		
12:52	GAC Unit Output	TI-09	32.0	89.6	After GAC #2		

	Flow Readings						
Time IF-ID Location		Location	Flow (SCFM)				
	12:48	FI-01	Extracted From DDC-1	225			
	12:48	FI-02	Extracted From DDC-2	225			
,	Comments	s:					

1) Flow meter F0-1 is functioning.

	Pressure/Vacuum Monitoring					
Time	Location	PI/VI-ID	Pressure	Comments		
12:49	Discharge to Well	PI-01	3.8 PSI	DDC-1		
12:49	Discharge to Well	PI-02	3.4 PSI	DDC-2		
12:50	Drum	PI-03	-50.0 in. H2O	Vacuum Reading Going to Blower		

Weather: 80 Deg. Bright Sun

TCE Groundwater Treatment System #1

Influent Port

TIME	PID VOC ppm	Temp Deg. F	
12:56	4.7	96.4	

Comments: None

GAC Unit Information

Between GAC Unit #1 and GAC Unit #2

TIME	PID VOC ppm	Temp Deg. F
13:02	3.1	92.8

Comments: None

Effluent Port		
TIME	PID VOC ppm	Temp Deg. F
12:59	1.7	91.7

Comments: None

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-1	Bubbling in well is sufficient.
DDC-2	Bubbling in well is sufficient.

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-1	No sump associated with this well.
DDC-2	Over a foot of water was detected within this sump.

Liquid Levels in Knock-Out Tanks

Comments: .5 inches was detected in Knock-Out Tank No 2. No water was detected in Knock-Out Tank No. 1.

Oil Level on Blower Comments: Oil levels were good. Oil was changed on 8/17/11 with Omega SB-220 oil.

Addition Comments:

Pump associated with Knock-out tank No. 1 was observed to be consistently running, and was noted to have a possible leak. The float within the knock-out tank was readjusted, which turned the pump off. The wing nuts on the back of the pump were also tightened to fix the possible leak.

A foot of water present within sump associated with DDC-2. Sump pump may need to be replaced.

III: System Evaluation



System is operating satisfactorily

EA recommends / implements the following...

May need to replace DDC-2 sump pump.

N/A

DATE: 9/9/11 DAY: Friday TECHNICIAN: Thomas Fitzpatrick

Weather: 80 Deg. Bright Sun

GWTT EQUIPMENT INFORMATION

TCE Groundwater Treatment System #2 STATUS: ON in K.O. tank site glass. Alarm was reset and system restarted. OFF High level K.O. tank alarm. Upon inspection, no water was observed

I: System Data Collection

Total Run Time Meter Reading: 8.789.0 hours - System only ran for 0.9 hours since 8-30-11 System Running at $\underline{41.0}$ Hz.

	Temperature Monitoring				
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments
11:47	Carbon Unit Inlet	CA01	25.0	77.0	Carbon Unit #1
11:46	Pre-Heater	PHA01	27.8	82.0	After Shell and Tubing
11:47	Blower Panel	B01	85.0	170.0	Exiting Blower
11:46	After Cooler Outlet	AC01	36.1	97.0	Post Cooler Piping
11:46	Pre-Heater	PHB01	56.7	134.0	Before Shell and Tubing

		Flow Readings		
۸)	Flow (CFM)	Location	TI-ID	Time
	189	Injected Air to DDC-3	WD01	11:45
	126	Injected Air to DDC-4	WD02	11:45
			WD02	

	Pressure/Vacuum Monitoring			
Time	Location	TI-ID	Pressure	Comments
11:45	Knock-Out Tank	T01	-0.5 in. Hg	Vacuum gauge on knock-out tank
11:47	Carbon-Unit #1 Outlet	CA1	-5.0 in. Hg	Vacuum exiting GAC #1
11:45	Discharge to Wells	WD2	3.8 PSI	Pressure reading on piping prior to splicing off to both wells
11:47	Blower Panel	BP01	-1.6 in. Hg	Vacuum coming off of blower
11:47	Carbon Unit #2 Outlet	CA2	-4.5 in. Hg	Vacuum exiting GAC #2
12:27	DDC-3	N/A	0.4 PSI	Pressure gauge on well head
12:20	DDC-4	N/A	1.3 PSI	Pressure gauge on well head

Weather: 80 Deg. Bright Sun

TCE Groundwater Treatment System #2

Influent Port GAC#1

TIME	PID VOC ppm	Temp Deg. F
11:59	0.7	81.4

Comments: None

GAC Unit Information

Influent Port GAC#2

TIME	PID VOC ppm	Temp Deg. F
12:04	0.9	83.6

Comments: None

Effluent		
TIME	PID VOC ppm	Temp Deg.
12:11	0.3	85.8

Comments: None

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

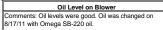
Well#	Comments
DDC-3	Bubbling is sufficient in well.
DDC-4	Bubbling is sufficient in well.

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-3	.5 inches of water in this sump
DDC-4	Over 1 foot of water in this sump

Liquid Levels in Knock-Out Tanks

Comments: No liquid detected in Knock-Out Tank upon initial startup of system. At 12:00 PM, the site glass was gauged again and 4.5-inches of water was detected.



Addition Comments:

Pressure gauge on DDC-4 well head was reading 1.3 PSI. Turbulent water and high pressure was observed within air return line. System 42 was shut down due to elevated groundwater table, which increased system pressure and introduced water into air lines.

III: System Evaluation



,	
	N/A
	14/11

PHOTOGRAPHIC LOG

Date: 9-09-11 **EA Job No.**

National Heatset Printing Site

РНОТО	DATE	TIME	DESCRIPTION	COMMENTS
Picture 401	9/9/2011	12:20 PM	View of the pressure gauge attached to DDC-4. The pressure went down to 0.4 PSI after the system was turned off, due to a previous pressure reading of 1.3 PSI, when the system was on.	
Picture 414	9/9/2011	12:58 PM	View of the pumps associated with the Knock-Out tanks in System #2. The pump connected to Knock-Out No. 1 was observed to be leaking.	

Page 6 of 7

Photos (09.9.11)



<u>Picture 401</u> - View of the pressure gauge attached to DDC-4. The pressure went down to 0.4 PSI after the system was turned off, due to a previous pressure reading of 1.3 PSI, when the system was on.



<u>Picture 414</u> - View of the pumps associated with the Knock-Out tanks in System #2. The pump connected to Knock-Out No. 1 was observed to be leaking.

Project: National Heatset Printing Site - 1 Adams Boulevard, Farmingdale, NY - Site Management								
Contractors:	EA Engineering and Preferred Environ	nmental Services			i			
EA Engineering Job No:	1447429				•			
Site No:					1			
EA Project Manager:					•			
E/ (1 Tojoot Managor: 1	ounco riaywara				1			
	<u>DAILY F</u>	REPORT						
Day:	S M T W TH F	S	WEATHER	Bright Sun	Partly Cloudy	Overcast	Rain	Snow
Date:	20-Sep-11		TEMP	To 32	32-50	50-70	70-85	85 and up
REPORT No.	1		WIND	Light	Moderate	High		
PAGE No.	1		HUMIDITY	Drv	Moderate	Humid		
	•		WIND DID	NÉ	NW	SE	SW	
PREPARED BY:	Thomas Fitzpatrick TITLE: Site Re	p.	WIND DIR	N	S	Е	W	
-	<u> </u>	<u></u>	-			•		
AVERAGE FIELD FORC	E							
Name of Contractor	Title		Worked				arks	
Thomas Fitzpatrick Technician 11:00 - 14:10 Preferred								
VISITORS								
Name	Time (From - To)		senting				arks	
Walter Howard	to 12:55		AECOM AECOM			None None		
Two (2) engineers	to 12:55	AL	СОМ			No	one	
EQUIPMENT AT THE SIT	ΓE I = Idle	W = Working						
1. Camera - W	3. Pressure Gaug		Vacuum Pum	p - W		Ī		
2. PID - W	4. Velocity & Tem	perature Meter - W				_		
OPERATION & MAINTER	NANCE ACTIVITIES							
EA/Preferred Site Represent	tative: Thomas Fitzpatrick - Pre	eferred						
	DESCRIP	TION OF WORK PERFORM	ED AND ORG	EDVED				
11:00 - Preferred on-site to meet ur	with AECOM to discuss system ope			LKVLD				
11:30 - System #2 was restarted.	min rie de discuss dystem spe	idaiche: Zear eyeteine were en ap	a					
12:49 - Start of O&M on System #2								
12:55 - AECOM off-site.								
13:22 - Start of O&M on System #1								
13:40 - A foot of water observed within DDC-2 sump. The sump pump may need to be replaced.								
13:45 - Water was removed from DDC-2 sump via a whale pump. It took approximately 5 minutes for sump and lines to clear of water,								
14:05 - O&M for both systems are complete.								
14:10 - Preferred locked both syste	14:10 - Preferred locked both systems and all parties off-site. Both systems were running upon departure.							
	x - Designates report is continued on additional pages							
EA/Preferred Site Representa	EA/Preferred Site Representative: Thomas Fitzpatrick (Preferred) Project Manager: James Hayward Page 1 of 7							

EA Engineering

6712 Brooklawn Parkway, Suite 104, Syracuse, New York 13211



National Heatset Printing Site, Farmingdale, NY Contract No., Site No. 152140 Monitoring Table September 20, 2011

DATE: 9/20/11 DAY: Tuesday TECHNICIAN: Thomas Fitzpatrick

Weather: 65 Deg. Rain

TCE Groundwater Treatment System #1 STATUS: ON OFF * "Alarm High Water K.O. Drum" alarm triggered.

I: System Data Collection

Run Time Meter Reading (since last shut down): 1.1 hours

Total Run Time Meter Reading: 9,120.4 hours System only ran for 55.1 hours since 9-9-11

System Running at 35.7 Hz. * The output frequency was lowered due to higher pressures from water build-up within lines and sump.

	Temperature Monitoring							
Time	Time Location		Temperature deg. C	Temperature deg. F	Comments			
	Extracted From Well	TI-01	17.0	62.6	DDC-1			
	Extracted From Well	TI-02	17.0	62.6	DDC-2			
13:29	Pre-Heater Outlet	TI-03	29.0	84.2	Post Shell and Tubing			
13:29	Pre-Heater Input	TI-04	19.0	66.2	Before Shell and Tubing			
13:29	After Cooler Outlet	TI-05	38.0	100.4	Post Cooler Reading			
13:29	After Cooler Input	TI-06	42.0	107.6	Before Cooler Reading			
13:29	Blower Outlet	TI-07	59.0	138.2	Going to Pre-heater			
13:29	Between GAC Units	TI-08	30.0	86.0	After GAC #1			
13:29	GAC Unit Output	TI-09	27.0	80.6	After GAC #2			

	Flow Readings					
	Time	IF-ID	Location	Flow (SCFM)		
	13:29 FI-01		Extracted From DDC-1			
	13:29	FI-02	Extracted From DDC-2	180-252		
,	Comments:					

1) Flow meter F0-1 not functioning

	Pressure/Vacuum Monitoring						
Time	Location	PI/VI-ID	Pressure	Comments			
13:27	Discharge to Well	PI-01	3.6 PSI	DDC-1			
13:27	Discharge to Well	PI-02	3.2 PSI	DDC-2			
13:27	Drum	PI-03	-38.0 in. H2O	Vacuum Reading Going to Blower			

DATE: 9/20/11 DAY: Tuesday TECHNICIAN: Thomas Fitzpatrick

Weather: 65 Deg. Rain

TCE Groundwater Treatment System #1

Influent Port

- 4						
	TIME	PID VOC ppm	Temp Deg. F			
	13:34	7.3	87.4			

Comments: None

GAC Unit Information

Between GAC Unit #1 and GAC Unit #2

TIME	PID VOC ppm	Temp Deg. F
13:36	4.1	84.0

Comments: None

Effluent Port					
TIME	PID VOC ppm	Temp Deg.			
13:32	2.6	77.9			

Comments: None

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-1	Bubbling in well is sufficient.
DDC-2	Bubbling in well is sufficient.

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-1	No sump associated with this well.
	Over a foot of water was detected within sump. Water was removed via a whale pump.

Liquid Levels in Knock-Out Tanks Comments: 1.5 inches was detected in Knock-Out Tank No 2. No water was detected in Knock-Out Tank No. 1.

Oil Level on Blower Comments: Oil levels were good. Oil was changed on 8/17/11 with Omega SB-220 oil.

Addition Comments:

The pump associated with Knock-Out Tank #1 was noted to be leaking despite tightening wing nuts from the O&M performed on 9-9-11. Pump may need to be replaced.

III: System Evaluation



System is operating satisfactorily

EA recommends / implements the following...

Knock-Out Tank #1 pump may need to be replaced

IV: Sampling / Lab Data

N/A

DATE: 9/20/11 DAY: Tuesday TECHNICIAN: Thomas Fitzpatrick

Weather: 65 Deg. Rain

GWTT EQUIPMENT INFORMATION

TCE Groundwater Treatment System #2 STATUS: ON OFF High level K.O. tank alarm triggered upon arrival. Upon inspection, no water was seen through site glass attached to same. System was reset then restarted.

I: System Data Collection

Total Run Time Meter Reading: 8,791.1 hours - System was restarted upon arrival after left to come back to equilibrium over past two weeks System Running at 41.0 Hz.

	Temperature Monitoring							
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments			
12:55	Carbon Unit Inlet	CA01	18.0	64.4	Carbon Unit #1			
12:51	Pre-Heater	PHA01	35.6	96.0	After Shell and Tubing			
12:52	Blower Panel	B01	85.0	180.0	Exiting Blower			
12:51	After Cooler Outlet	AC01	40.6	105.0	Post Cooler Piping			
12:52	Pre-Heater	PHB01	69.4	157.0	Before Shell and Tubing			

Flow Readings								
Time	Flow (CFM)							
12:50	WD01	Injected Air to DDC-3	189					
12:50	WD02	Injected Air to DDC-4	125					
Commont	c. Nono							

Comments: Non

	Pressure/Vacuum Monitoring							
Time	Location	TI-ID	Pressure	Comments				
12:51	Knock-Out Tank	T01	-0.5 in. Hg	Vacuum gauge on knock-out tank				
12:55	Carbon-Unit #1 Outlet	CA1	-5.0 in. Hg	Vacuum exiting GAC #1				
12:56	Discharge to Wells	WD2	3.6 PSI	Pressure reading on piping prior to splicing off to both wells				
12:52	Blower Panel	BP01	-1.3 in. Hg	Vacuum coming off of blower				
12:52	Carbon Unit #2 Outlet	CA2	-4.4 in. Hg	Vacuum exiting GAC #2				
13:06	DDC-3	N/A	0.5 PSI	Pressure gauge on well head				
13:00	DDC-4	N/A	0.6 PSI	Pressure gauge on well head				

DATE: 9/20/11 DAY: Tuesday TECHNICIAN: Thomas Fitzpatrick

Weather: 65 Deg. Rain

TCE Groundwater Treatment System #2

Influent Port GAC#1

TIME	PID VOC ppm	Temp Deg. F						
12:58	1.6	79.1						
Comments: None								

GAC Unit Information

Influent Port GAC#2

TIME	PID VOC ppm	Temp Deg.						
13:01	1.6	79.3						
Comments: None								

 Effluent

 TIME
 PID VOC ppm
 Temp Deg. F

 13:04
 0.5
 82.9

 Comments: None

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

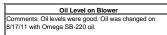
Well#	Comments
DDC-3	Bubbling is sufficient in well.
DDC-4	Bubbling is sufficient in well.

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-3	.5 inches of water in this sump
DDC-4	Over 1 foot of water in this sump

Liquid Levels in Knock-Out Tanks

Comments: No liquid detected in Knock-Out Tank upon initial startup of system. Five inches of water was detected after system was turned on.





III: System Evaluation



27/1
N/A

PHOTOGRAPHIC LOG

Date: 9-20-11 **EA Job No.**

National Heatset Printing Site

РНОТО	DATE	TIME	DESCRIPTION	COMMENTS
Picture 390	9/20/2011	12:56 PM	Five inches of water was noted in the site glass of the knock-out tank in System #2.	
Picture 398	9/20/2011	13:30 PM	One and a half inches of water was detected within the site glass of Knock-Out Tank #2 in System #1.	

Page 6 of 7

Photos (09.20.11)



<u>Picture 390</u> - Five inches of water was noted in the site glass of the knock-out tank in System #2.



<u>Picture 398</u> - One and a half inches of water was detected within the site glass of Knock-Out Tank #2 in System #1.

· · · · · · · · · · · · · · · · · · ·	tional Heatset Printing Site - 1 Adams Boule		anagement					
Contractors: EA	Engineering and Preferred Environmental S	Services						
EA Engineering Job No: 144	17/120							
Site No: 152								
EA Project Manager: Jan								
EA Floject Manager. Jan	nes nayward							
	DAILY REPO	<u>RT</u>						
Day: S	M T W TH F S		EATHER	Bright Sun	Partly Cloudy	Overcast	Rain	Snow
Date: 30-	Sep-11	1	TEMP	To 32	32-50	50-70	70-85	85 and up
REPORT No.			WIND	Light	Moderate	High		
PAGE No. 1		HU	JMIDITY	Dry	Moderate	Humid		
		34/1	IND DID	NE	NW	SE	SW	
PREPARED BY: The	omas Fitzpatrick TITLE: Site Rep.	WI	IND DIR	N	S	Е	W	
AVERAGE FIELD FORCE								
Name of Contractor	Title	Hours Work	ked			Rem	arks	
Thomas Fitzpatrick	Technician	11:14 - 13:2	24			Prefe	erred	
VISITORS								
Name	Time (From - To)	Representi	ing			Rem		
N/A	N/A	N/A				N.	Ά	
EQUIPMENT AT THE SITE	I = Idle	W = Working						
1. Camera - W	3. Pressure Gauges - W		acuum Pum	o - W				
2. PID - W	4. Velocity & Temperature							
OPERATION & MAINTENA								
EA/Preferred Site Representat	ive: Thomas Fitzpatrick - Preferred							
	DECODINE ON O	- WORK DEDECOMED 4	ND ODG					
11:14 - Preferred on-site and both syst		F WORK PERFORMED A	AND ORSI	ERVED				
11:18 - Restart of System #2.	terno were on upon arrival.							
11:21 - Restart of System #1.								
,	DC-2 sump via a whale pump. The sump ha	ad a consistent flow of water going	ing to it mak	ina it imp	ossible to empt	٧.		
12:10 - Meters were gauged within Sys				<u>9</u> <u>F</u>		, .		
	down due to a high pitch noise apparently e	manating from the lines within s	system shed	. as well a	as the consister	nt flow of water	to the sun	ıp.
12:34 - Start of O&M on System #1.	5 1 as a paramy -	y	,					•
13:20 - O&M for both systems are com	plete.							
13:24 - Preferred locked both systems	and all parties off-site. System #1 was left of	off, while System #2 was left on	upon depar	ture.				
	x - Designa	ates report is continued on add	Iditional pag	ges				
EA/Preferred Site Representative: Thomas Fitzpatrick (Preferred) Project Manager: James Hayward					/	Page 1 of 7		

EA Engineering

6712 Brooklawn Parkway, Suite 104, Syracuse, New York 13211



National Heatset Printing Site, Farmingdale, NY Contract No., Site No. 152140 Monitoring Table September 30, 2011

DATE: 9/30/11 DAY: Friday TECHNICIAN: Thomas Fitzpatrick

Weather: 75 Deg. Bright Sun

TCE Groundwater Treatment System #1 STATUS: ON **OFF** * "Alarm High Water K.O. Drum" alarm triggered. No water was observed in either knock-out tank upon arrival.

I: System Data Collection

Run Time Meter Reading (since last shut down): 6.1 hours

Total Run Time Meter Reading: 9.126.4 hours - System Shut down after 61.10 hours - System left off due to high pitch noise emamanting from system, System Running at 35.7 Hz. * The output frequency was lowered due to higher pressures from water build-up within lines and sump.

	Temperature Monitoring								
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments				
12:17	Extracted From Well	TI-01	22.0	71.6	DDC-1				
12:13	Extracted From Well	TI-02	17.0	62.6	DDC-2				
12:16	Pre-Heater Outlet	TI-03	31.0	87.8	Post Shell and Tubing				
12:14	Pre-Heater Input	TI-04	20.0	68.0	Before Shell and Tubing				
12:14	After Cooler Outlet	TI-05	40.0	104.0	Post Cooler Reading				
12:14	After Cooler Input	TI-06	50.0	122.0	Before Cooler Reading				
12:15	Blower Outlet	TI-07	64.0	147.2	Going to Pre-heater				
12:15	Between GAC Units	TI-08	31.0	87.8	After GAC #1				
12:15	GAC Unit Output	TI 00	27.0	80.6	After GAC #2				

1	Pressure/Vacuum Monitoring					
12:15	GAC Unit Output	TI-09	27.0	80.6	After GAC #2	
12:15	Between GAC Units	TI-08	31.0	87.8	After GAC #1	
12:15	Blower Outlet	TI-07	64.0	147.2	Going to Pre-heater	
12:14	After Cooler Input	TI-06	50.0	122.0	Before Cooler Reading	
12:14	After Cooler Outlet	TI-05	40.0	104.0	Post Cooler Reading	
12:14	Pre-Heater Input	11-04	20.0	00.0		

	Flow Readings									
Time	Time IF-ID Location									
12:11	FI-01	Extracted From DDC-1								
12:11	12:11 FI-02 Extracted From DDC-2									
Comment	٥.									

1) Flow meter F0-1 not functioning

	Pressure/Vacuum Monitoring				
Time	Location	PI/VI-ID	Pressure	Comments	
12:11	Discharge to Well	PI-01	4.2 PSI	DDC-1	
12:11	Discharge to Well	PI-02	3.2 PSI	DDC-2	
12:13	Drum	PI-03	-42.0 in. H2O	Vacuum Reading	

TCE Groundwater Treatment System #1 - System shut down due to high pitch noise emanating from system

GAC Unit Information

	Influent Port						
	TIME	PID VOC ppm	Temp Deg. F				
ſ							
(Comments: System was shut off prior to gauging						

sampling ports to minimize time system was on.

Between GAC Unit #1 and GAC Unit #2

TIME	PID VOC ppm	Temp Deg. F

Comments: System was shut off prior to gauging sampling ports to minimize time system was on.

Effluent Port

TIME	PID VOC ppm	Temp Deg. F

Comments: System was shut off prior to gauging sampling ports to minimize time system was on.

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

I	Well#	Comments
		Could hear injected air going into well but no bubbling was noted. Floor in manhole was observed to be dry.
	DDC-2	Bubbling in well is sufficient.

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-1	No sump associated with this well.
DDC-2	Over a foot of water was detected within sump.

Liquid Levels in Knock-Out Tanks

Comments: No water was detected within knock-out tank. Floor beneath pump for KO is wet.

Oil Level on Blower Comments: Oil levels were good. Oil was changed on 8/17/11 with Omega SB-220 oil.

Addition Comments:

A foot of water seen within DDC-2 sump. The sump pump may need to be replaced. Water was discharged from the sump via a whale pump. The sump had a consistent flow of water going to it making it impossible to empty.

III: System Evaluation



System is operating satisfactorily

EA recommends / implements the following...

DDC-2 sump pump may need to be replaced

DATE: 9/30/11 DAY: Friday TECHNICIAN: Thomas Fitzpatrick

Weather: 75 Deg. Bright Sun

GWTT EQUIPMENT INFORMATION

TCE Groundwater Treatment System #2 STATUS: ON OFF High level K.O. tank alarm triggered upon arrival. Upon inspection, no water was seen through site glass attached to same. System was reset then restarted.

I: System Data Collection

Total Run Time Meter Reading: 8.871.2 hours System Running at 41.0 Hz.

	Temperature Monitoring				
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments
12:37	Carbon Unit Inlet	CA01	29.0	84.2	Carbon Unit #1
12:36	Pre-Heater	PHA01	37.8	100.0	After Shell and Tubing
12:36	Blower Panel	B01	85.0	180.0	Exiting Blower
12:36	After Cooler Outlet	AC01	44.4	112.0	Post Cooler Piping
12:36	Pre-Heater	PHB01	71.1	160.0	Before Shell and Tubing

	Flow Readings					
Time TI-ID		Location	Flow (CFM)			
12:35 WD01		Injected Air to DDC-3	189			
12:35	WD02	Injected Air to DDC-4	112			

Comments: None

	Pressure/Vacuum Monitoring					
Time	Location	TI-ID	Pressure	Comments		
12:35	Knock-Out Tank	T01	-1.0 in. Hg	Vacuum gauge on knock-out tank		
12:31	Carbon-Unit #1 Outlet	CA1	-5.0 in. Hg	Vacuum exiting GAC #1		
12:31	Discharge to Wells	WD2	3.5 PSI	Pressure reading on piping prior to splicing off to both wells		
12:37	Blower Panel	BP01	-1.7 in. Hg	Vacuum coming off of blower		
12:37	Carbon Unit #2 Outlet	CA2	-4.5 in. Hg	Vacuum exiting GAC #2		
12:48	DDC-3	N/A	0.9 PSI	Pressure gauge on well head		
12:51	DDC-4	N/A	0.4 PSI	Pressure gauge on well head		

Weather: 75 Deg. Bright Sun

TCE Groundwater Treatment System #2

Influent Port GAC#1

IIIII CIIL I OIL OAO#1						
TIME	PID VOC ppm	Temp Deg. F				
12:39	0.0	83.6				

Comments: None

GAC Unit Information

Influent Port GAC#2

TIME	PID VOC ppm	Temp Deg. F
12:41	0.0	84.5

PID VOC Temp Deg. TIME ppm 83.6 12:44

Effluent

Comments: None

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-3	Low bubbling was noted.
DDC-4	Significantly more bubbling was noted within DDC-4 than DDC-3.





Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-3	.5 inches of water in this sump
DDC-4	Over 1 foot of water in this sump

Addition Comments:

Water was noted to be over a foot in the sump associated with DDC-4. Water was discharged from the sump via a whale pump. The lines leading back to the system shed most likely contained water.

Treatment System #2 Knock-Out Tank pump not discharging water. Pump is receiving power and operating, but will not discharge water. Pump may need to be replaced.

III: System Evaluation

glass for KO Drum.



System is operating satisfactorily

EA recommends / implements the following...

Knock-Out Tank pump may need to be replaced.

Ī	N/A

PHOTOGRAPHIC LOG

Date: 9-30-11 **EA Job No.**

National Heatset Printing Site

РНОТО	DATE	TIME	DESCRIPTION	COMMENTS
Picture 387	9/30/2011	11:18 AM	The "High Level K.O. Tank" alarm was noted to be triggered upon arrival.	
Picture 410	9/30/2011	11:45 AM	Over a foot of water was noted within the sump associated with DDC-2.	

Page 6 of 7

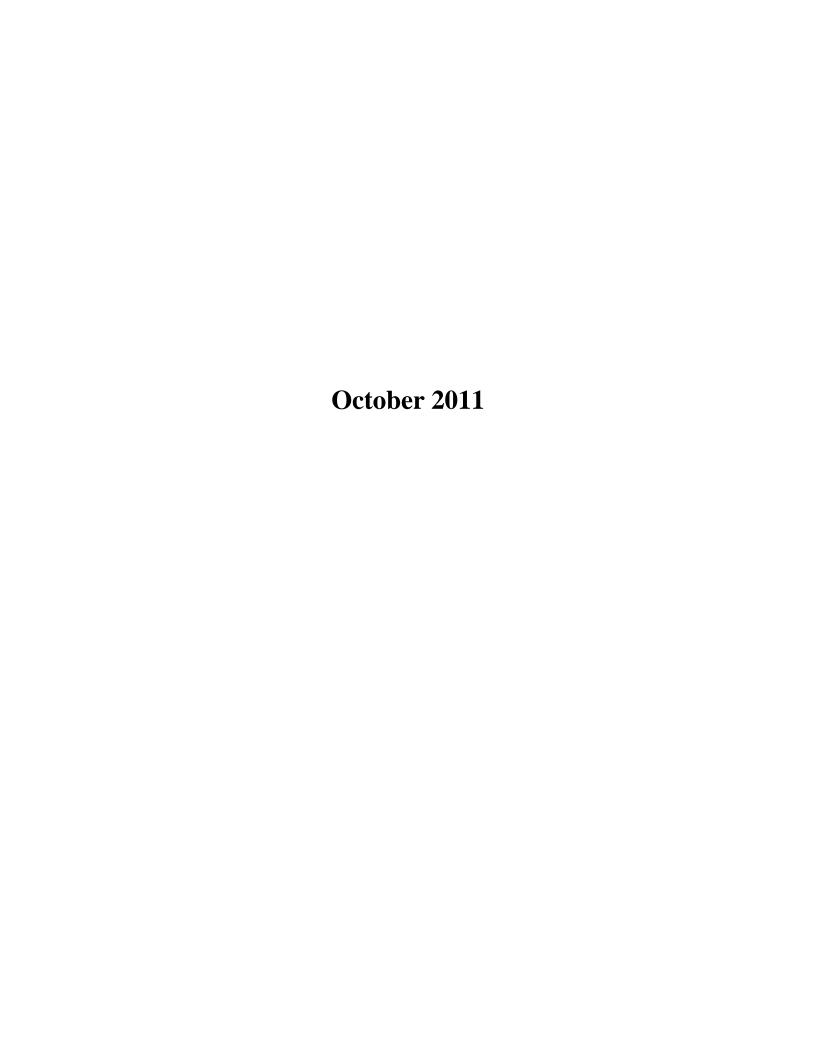
Photos (09.30.11)



<u>Picture 387</u> - The "High Level K.O. Tank" alarm was noted to be triggered upon arrival.



<u>Picture 410</u> - Over a foot of water was noted within the sump associated with DDC-2.



Project: Nati	onal Heatset Printing Site - 1 Adams Boulev	vard, Farmingdale, NY - S	Site Management	t				
Contractors: EA	Engineering and Preferred Environmental S	ervices						
EA Engineering Job No: 144								
Site No: 152								
EA Project Manager: Jam	les Hayward							
	DAILY REPO	<u>RT</u>						
Day: S	M T W TH F S		WEATHER	Bright Sun	Partly Cloudy	Overcast	Rain	Snow
Date: 7-0	ct-11		TEMP	To 32	32-50	50-70	70-85	85 and up
REPORT No.			WIND	Light	Moderate	High		
PAGE No. 1			HUMIDITY	Dry	Moderate	Humid		
	_		WIND DIR	NE	NW	SE	SW	
PREPARED BY: Tho	mas Fitzpatrick TITLE: Site Rep.		WIND DIK	N	S	Е	W	
AVERAGE FIELD FORCE								
Name of Contractor	Title		Worked			Rem	narks	
Thomas Fitzpatrick	Technician	10:27	- 12:25			Pref	erred	
VISITORS								
Name	Time (From - To)		senting				narks	
Leo Orellana	10:45 - 11:15	Finkelste	ein Realty			Lan	dlord	
EQUIPMENT AT THE SITE		W = Working						
1. Camera - W	3. Pressure Gauges - W	M. J	Vacuum Pum	1p - W]		
2. PID - W	4. Velocity & Temperature I	weter - vv	J					
OPERATION & MAINTENA	NCE ACTIVITIES							
	ve: Thomas Fitzpatrick - Preferred							
	DESCRIPTION OF	F WORK PERFORMI	ED AND OBS	ERVED				
10:27 - Preferred on-site. System #2 wa	as operating upon arrival. System #1 off sine	ce 30 September 2011.						
10:30 - Start of O&M on System #2.								
, ,	a) on-site to confirm the electrical service me		,					
	288 was confirmed to be stationed 15 feet a	away from the System #1	shed.					
11:15 - Finkelstein Realty off-site.								
-	sociated with DDC-4 was pumped out in an e		nt of water within	the pipes	S			
	move any moisture that may have been in the	he blower.						
12:20 - O&M for both systems are com	•	#tile 0tem #0ee le	- 4	-t				
12:25 - Preferred locked both systems	and all parties off-site. System #1 was left o	π, while System #2 was in	eπ on upon depa	rture.				
	x - Designat	tes report is continued of	on additional pa	iges				
EA/Preferred Site Representative	2: Thomas Fitzpatrick (Prefe	erred)	Project M	anager:	James Haywa	rd		Page 1 of 7
			-,	- 3		_		J

EA Engineering

6712 Brooklawn Parkway, Suite 104, Syracuse, New York 13211



National Heatset Printing Site, Farmingdale, NY Contract No., Site No. 152140 Monitoring Table October 07, 2011

DATE: 10/07/11 DAY: Friday TECHNICIAN: Thomas Fitzpatrick

Weather: 70 Deg. Bright Sun

TCE Groundwater Treatment System #1 STATUS: ON OFF * System shutdown since 30 September due to high pitched noise emanating from blower.

I: System Data Collection

Total Run Time Meter Reading: 9126.4 hours - System Shut down after 61.10 hours - System left off due to high pitch noise emanating from system, System Running at N/A Hz. * The output frequency was lowered due to higher pressures from water build-up within lines and sump.

	Temperature Monitoring						
Time Location		TI-ID	Temperature deg. C	Temperature deg. F	Comments		
	Extracted From Well	TI-01			DDC-1		
Extracted From Well		TI-02			DDC-2		
	Pre-Heater Outlet	TI-03			Post Shell and Tubing		
	Pre-Heater Input	TI-04			Before Shell and Tubing		
	After Cooler Outlet	TI-05			Post Cooler Reading		
	After Cooler Input	TI-06			Before Cooler Reading		
	Blower Outlet	TI-07			Going to Pre-heater		
	Between GAC Units	TI-08			After GAC #1		
	GAC Unit Output	TI-09			After GAC #2		

Time	ne IF-ID Location		Flow (SCFM)
	FI-01	Extracted From DDC-1	
FI-02 Extracted From DDC-2			

Comments:

1) Flow meter F0-1 was not functioning

	Pressure/Vacuum Monitoring							
Time	Location	PI/VI-ID	Pressure	Comments				
	Discharge to Well	PI-01	PSI	DDC-1				
	Discharge to Well	PI-02	PSI	DDC-2				
	Drum	PI-03	in. H2O	Vacuum Reading Going to Blower				

DATE: 10/07/11 DAY: Friday TECHNICIAN: Thomas Fitzpatrick

Weather: 70 Deg. Bright Sun

TCE Groundwater Treatment System #1 - System shut down due to high pitch noise emanating from system **GAC Unit Information**

, 1	nfluent Po	rt			
TIME	PID VOC ppm	Temp Deg. F			
Comments: None					

GAC	Unit #1 ar	nd GAC Unit	#2		Effluent Port	
ME	PID VOC ppm	Temp Deg. F		TIME	PID VOC ppm	Temp F
						-
	M	•	•	Commenter No.		

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

- 4	moposition of trator column in 220 trato					
	Well#	Comments				
	DDC-1	None				
	DDC-2	None				

Inspection of Sumps Associated with DDC Wells

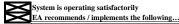
Well#	Comments
DDC-1	No sump associated with this well.
DDC-2	None

Liquid L	evels in Knock-Out Tanks
Comment	s: None

Oil Level on Blower
Comments: Oil levels were good. Oil was changed on
8/17/11 with Omega SB-220 oil.

Addition Comments:	The system was "Bumped" in an effort to remove moisture that may have been present from within the blower.
	,

III: System Evaluation



Coordinate with subcontractor to troubleshoot system.

N/A

DATE: 10/07/11 DAY: Friday TECHNICIAN: Thomas Fitzpatrick

Weather: 70 Deg. Bright Sun

GWTT EQUIPMENT INFORMATION

TCE Groundwater Treatment System #2 STATUS: ON OFF

I: System Data Collection

Total Run Time Meter Reading: 9.038.5 hours System Running at 41.0 Hz.

	Temperature Monitoring				
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments
10:36	Carbon Unit Inlet	CA01	26.0	78.8	Carbon Unit #1
10:35	Pre-Heater	PHA01	35.0	95.0	After Shell and Tubing
10:35	Blower Panel	B01	79.4	175.0	Exiting Blower
10:39	After Cooler Outlet	AC01	38.9	102.0	Post Cooler Piping
10:35	Pre-Heater	PHB01	68.3	155.0	Before Shell and Tubing

	Pressure/Vacuum Monitoring			
Time	Location	TI-ID	Pressure	Comments
10:34	Knock-Out Tank	T01	-0.0 in. Hg	Vacuum gauge on knock-out tank
10:36	Carbon-Unit #1 Outlet	CA1	-4.9 in. Hg	Vacuum exiting GAC #1
10:34	Discharge to Wells	WD2	3.6 PSI	Pressure reading on piping prior to splicing off to both wells
10:35	Blower Panel	BP01	-1.5 in. Hg	Vacuum coming off of blower
10:36	Carbon Unit #2 Outlet	CA2	-4.4 in. Hg	Vacuum exiting GAC #2
11:35	DDC-3	N/A	0.5 PSI	Pressure gauge on well head
11:31	DDC-4	N/A	0.6 PSI	Pressure gauge on well head

Flow Readings			
Time	TI-ID	Location	Flow (CFM)
10:33	WD01	Injected Air to DDC-3	196
10:33	WD02	Injected Air to DDC-4	119

Comments: None

Weather: 70 Deg. Bright Sun

TCE Groundwater Treatment System #2

Influent Port GAC#1

TIME	PID VOC ppm	Temp Deg. F	
11:19	1.2	71.2	

Comments:

GAC Unit Information

Influent Port GAC#2

TIME	PID VOC ppm	Temp Deg. F
11:22	1.3	77.3
Comment	s.	

Effluent			
TIME	PID VOC ppm	Temp Deg. F	
11:26	0.7	76.6	

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-3	Bubbling was sufficient.
DDC-4	Bubbling was sufficient.

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-3	.5 inches of water in this sump
DDC-4	Over 1 foot of water in this sump

Addition Comments:

Water was noted to be over a foot in the sump associated with DDC-4. Water was discharged from the sump via a whale pump. The lines leading back to the system shed most likely contain water.

Liquid Levels in Knock-Out Tanks

Comments: No water was detected within the K.O. tank.

Oil Level on Blower
Comments: Oil levels were good. Oil was changed on 8/17/11 with Omega SB-220 oil.

III: System Evaluation

 $\overline{\mathbf{x}}$

System is operating satisfactorily

EA recommends / implements the following...

Collect air samples from carbon vessels.

IV: Sampling / Lab Data

N/A

PHOTOGRAPHIC LOG

Date: 10-07-11

EA Job No.

National Heatset Printing Site

РНОТО	DATE	TIME	DESCRIPTION	COMMENTS
Picture 391	10/7/2011	10:30 AM	No water was noted within K.O. tank associated with System #2 upon arrival.	
Picture 393	10/7/2011	11:00 AM	Electrical service meter number- 99791288, was confirmed to be 15 feet away from System #1 shed.	

Page 6 of 7

Photos (10.07.11)



<u>Picture 391</u> - No water was noted within K.O. tank associated with System #2 upon arrival.



<u>Picture 393</u> - Electrical service meter number- 99791288, was confirmed to be 15 feet away from System #1 shed.

	ational Heatset Printing Site - 1 Adams Boulev		t				
Contractors: EA	Engineering and Preferred Environmental S	ervices					
EA Engineering Job No: 144	47420						
Site No: 152							
EA Project Manager: Jar							
,	-						
	DAILY REPOI	<u>RT</u>					
Day: S	M T W TH F S	WEATHER	Bright Sun	Partly Cloudy	Overcast	Rain	Snow
Date: 14-	-Oct-11	TEMP	To 32	32-50	50-70	70-85	85 and up
REPORT No.		WIND	Light	Moderate	High		
PAGE No. 1		HUMIDITY	Dry	Moderate	Humid		
		WIND DIR	NE	NW	SE	SW	
PREPARED BY: The		N	S	Е	W		
AVERAGE FIELD FORCE							
Name of Contractor	Title	Hours Worked		Remarks			
Thomas Fitzpatrick	Technician	11:37 - 12:40			Prefe	erred	
VISITORS							
Name	Time (From - To)	Representing		Remarks			
					N	/A	
N/A	N/A	N/A					
N/A EQUIPMENT AT THE SITE	N/A I = Idle	W = Working			-		
N/A EQUIPMENT AT THE SITE 1. Camera - W	N/A I = Idle [3. Pressure Gauges - W	W = Working 5. Vacuum Pun	np - W				
N/A EQUIPMENT AT THE SITE	N/A I = Idle	W = Working 5. Vacuum Pun	np - W		I		
N/A EQUIPMENT AT THE SITE 1. Camera - W 2. PID - W OPERATION & MAINTENA	N/A I = Idle 3. Pressure Gauges - W 4. Velocity & Temperature !	W = Working 5. Vacuum Pun	np - W		1		
N/A EQUIPMENT AT THE SITE 1. Camera - W 2. PID - W OPERATION & MAINTENA	N/A I = Idle [3. Pressure Gauges - W] 4. Velocity & Temperature N	W = Working 5. Vacuum Pun	np - W		l		
N/A EQUIPMENT AT THE SITE 1. Camera - W 2. PID - W OPERATION & MAINTENA EA/Preferred Site Representat	N/A I = Idle 3. Pressure Gauges - W 4. Velocity & Temperature ! ANCE ACTIVITIES tive: Thomas Fitzpatrick - Preferred DESCRIPTION OF	W = Working 5. Vacuum Pun Meter - W WORK PERFORMED AND OBS	•		l 		
N/A EQUIPMENT AT THE SITE 1. Camera - W 2. PID - W OPERATION & MAINTENA EA/Preferred Site Representat 11:37 - Preferred on-site. Systems #2	N/A I = Idle 3. Pressure Gauges - W 4. Velocity & Temperature I ANCE ACTIVITIES tive: Thomas Fitzpatrick - Preferred	W = Working 5. Vacuum Pun Meter - W WORK PERFORMED AND OBS	•		l		
N/A EQUIPMENT AT THE SITE 1. Camera - W 2. PID - W OPERATION & MAINTENA EA/Preferred Site Representat 11:37 - Preferred on-site. Systems #2 11:40 - Start of O&M on System #2.	N/A I = Idle 3. Pressure Gauges - W 4. Velocity & Temperature I ANCE ACTIVITIES tive: Thomas Fitzpatrick - Preferred DESCRIPTION OF 2 operating upon arrival. System #1 off since	W = Working 5. Vacuum Pun Meter - W WORK PERFORMED AND OBS	•				
N/A EQUIPMENT AT THE SITE 1. Camera - W 2. PID - W OPERATION & MAINTENA EA/Preferred Site Representat 11:37 - Preferred on-site. Systems #2 11:40 - Start of O&M on System #2. 12:25 - Water within DDC-4 sump was	N/A I = Idle 3. Pressure Gauges - W 4. Velocity & Temperature I ANCE ACTIVITIES tive: Thomas Fitzpatrick - Preferred DESCRIPTION OF 2 operating upon arrival. System #1 off since s pumped out via whale pump.	W = Working 5. Vacuum Pun Meter - W WORK PERFORMED AND OBS	•				
N/A EQUIPMENT AT THE SITE I. Camera - W 2. PID - W DPERATION & MAINTENA EA/Preferred Site Representat 11:37 - Preferred on-site. Systems #2 11:40 - Start of O&M on System #2. 12:25 - Water within DDC-4 sump was 12:35 - O&M for both systems are con	N/A I = Idle 3. Pressure Gauges - W 4. Velocity & Temperature ! ANCE ACTIVITIES tive: Thomas Fitzpatrick - Preferred DESCRIPTION OF 2 operating upon arrival. System #1 off since s pumped out via whale pump. mplete.	W = Working 5. Vacuum Pun Meter - W F WORK PERFORMED AND OBS 30 September 2011.	ERVED				
N/A EQUIPMENT AT THE SITE I. Camera - W 2. PID - W DPERATION & MAINTENA EA/Preferred Site Representat 11:37 - Preferred on-site. Systems #2 11:40 - Start of O&M on System #2. 12:25 - Water within DDC-4 sump was 12:35 - O&M for both systems are con	N/A I = Idle 3. Pressure Gauges - W 4. Velocity & Temperature I ANCE ACTIVITIES tive: Thomas Fitzpatrick - Preferred DESCRIPTION OF 2 operating upon arrival. System #1 off since s pumped out via whale pump.	W = Working 5. Vacuum Pun Meter - W F WORK PERFORMED AND OBS 30 September 2011.	ERVED				
N/A EQUIPMENT AT THE SITE 1. Camera - W 2. PID - W OPERATION & MAINTENA EA/Preferred Site Representat 11:37 - Preferred on-site. Systems #2 11:40 - Start of O&M on System #2. 12:25 - Water within DDC-4 sump was 12:35 - O&M for both systems are con	N/A I = Idle 3. Pressure Gauges - W 4. Velocity & Temperature I ANCE ACTIVITIES tive: Thomas Fitzpatrick - Preferred DESCRIPTION OF 2 operating upon arrival. System #1 off since s pumped out via whale pump. mplete. s and all parties off-site. System #1 was left of	W = Working 5. Vacuum Pun Meter - W F WORK PERFORMED AND OBS 30 September 2011.	ERVED				

EA Engineering

6712 Brooklawn Parkway, Suite 104, Syracuse, New York 13211



National Heatset Printing Site, Farmingdale, NY Contract No., Site No. 152140 Monitoring Table October 14, 2011

DATE: 10/14/11 DAY: Friday TECHNICIAN: Thomas Fitzpatrick

Weather: 70 Deg. Overcast

TCE Groundwater Treatment System #1

STATUS: ON

OFF * System shutdown since 30 September 2011 due to a high

pitched noise emanating from blower.

I: System Data Collection

Total Run Time Meter Reading: 9_126.4 hours - System Shut down after 61.10 hours - System left off due to high pitch noise emanating from system, System Running at N/A Hz. * The output frequency was lowered due to higher pressures from water build-up within lines and sump.

		Tei	mperature Monitorir	ng	
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments
	Extracted From Well	TI-01			DDC-1
	Extracted From Well	TI-02			DDC-2
	Pre-Heater Outlet	TI-03			Post Shell and Tubing
	Pre-Heater Input	TI-04			Before Shell and Tubing
	After Cooler Outlet	TI-05			Post Cooler Reading
	After Cooler Input	TI-06			Before Cooler Reading
	Blower Outlet	TI-07			Going to Pre-heater
	Between GAC Units	TI-08			After GAC #1
	GAC Unit Output	TI-09			After GAC #2

		Flow Readings	
Time	IF-ID	Location (S	
	FI-01	Extracted From DDC-1	
	FI-02	Extracted From DDC-2	

Comments:

1) Flow meter F0-1 was not functioning

		Pressure/Va	acuum Monitoring	
Time	Location	PI/VI-ID	Pressure	Comments
	Discharge to Well	PI-01	PSI	DDC-1
	Discharge to Well	PI-02	PSI	DDC-2
	Drum	PI-03	in. H2O	Vacuum Reading Going to Blower

TCE Groundwater Treatment System #1 - System shut down due to high pitch noise emanating from system GAC Unit Information

	nfluent Po	rt
TIME	PID VOC ppm	Temp Deg. F
Comments:	None	

Bet	ween GAC	Unit #1 an	d GAC Unit	#2
	TIME	PID VOC ppm	Temp Deg.	
	Comments: I	None		

	Effluent Port	
TIME	PID VOC ppm	Temp Deg.
Commonto: No		

II: System Maintenance and Observations

Inspection	of Water	Column	in	DDC	Walle

Well#	Comments
DDC-1	Not inspected.
DDC-2	Not inspected.

	inspection of Sumps Associated with DDC Wells
Well#	Comments
DDC-1	No sump associated with this well.
DDC-2	Not inspected.

Liquid Levels in Knock-Out Tanks	Oil Level on Blower
Comments: None	Comments: Oil levels were good. Oil was changed on 8/17/11 with Omega SB-220 oil.

Addition Comments:	System was left off on 9-30-11 due to a high pitched noise from the lines from within system shed.

III: System Evaluation

System is operating satisfactorily
EA recommends / implements the following

N/A	

DATE: 10/14/11 DAY: Friday TECHNICIAN: Thomas Fitzpatrick

Weather: 70 Deg. Overcast

GWTT EQUIPMENT INFORMATION

TCE Groundwater Treatment System #2 STATUS: ON OFF

I: System Data Collection

Total Run Time Meter Reading: <u>9,207.7</u> hours System Running at <u>41.0</u> Hz.

	Temperature Monitoring							
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments			
11:46	Carbon Unit Inlet	CA01	30.0	86.0	Carbon Unit #1			
11:45	Pre-Heater	PHA01	37.8	100.0	After Shell and Tubing			
11:45	Blower Panel	B01	85.0	185.0	Exiting Blower			
11:44	After Cooler Outlet	AC01	42.8	109.0	Post Cooler Piping			
11:45	Pre-Heater	PHB01	71.1	160.0	Before Shell and Tubing			

	Pressure/Vacuum Monitoring							
Time	Location	TI-ID	Pressure	Comments				
11:44	Knock-Out Tank	T01	-0.5 in. Hg	Vacuum gauge on knock-out tank				
11:46	Carbon-Unit #1 Outlet	CA1	-4.9 in. Hg	Vacuum exiting GAC #1				
11:45	Discharge to Wells	WD2	3.8 PSI	Pressure reading on piping prior to splicing off to both wells				
11:45	Blower Panel	BP01	-2.0 in. Hg	Vacuum coming off of blower				
11:45	Carbon Unit #2 Outlet	CA2	-4.4 in. Hg	Vacuum exiting GAC #2				
12:10	DDC-3	N/A	0.4 PSI	Pressure gauge on well head				
12:17	DDC-4	N/A	0.3 PSI	Pressure gauge on well head				

	Flow Readings						
Time	TI-ID	Flow (CFM)					
11:43	WD01	Injected Air to DDC-3	189				
11:43	WD02	Injected Air to DDC-4	128				
C	a. Nana						

Comments: None

Weather: 70 Deg. Overcast

TCE Groundwater Treatment System #2

Influent Port GAC#1

	CHE I OIL C	70"
TIME	PID VOC ppm	Temp Deg. F
11:48	0.0	80.4

Comments: None

GAC Unit Information

Influent Port GAC#2

TIME	PID VOC ppm	Temp Deg. F		
11:55	0.0	80.7		

Comments: None

	Effluent	
TIME	PID VOC ppm	Temp Deg. F
12:00	0.0	81.6

Comments: None

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-3	Bubbling was sufficient.
DDC-4	Bubbling was sufficient.

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-3	.5 inches of water in this sump
DDC-4	Over 1 foot of water in this sump

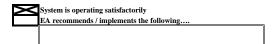
Addition Comments:

Water was noted to be over a foot in the sump associated with DDC-4. Water was discharged from the sump via a whale pump. The lines leading back to the system shed most likely contain water.

Liquid Levels in Knock-Out Tanks Comments: No water was detected within the K.O. tank.

Oil Level on Blower
Comments: Oil levels were good. Oil was changed on 8/17/11 with Omega SB-220 oil.

III: System Evaluation



N/A
14/11

PHOTOGRAPHIC LOG

Date: 10-14-11

EA Job No.

National Heatset Printing Site

РНОТО	DATE	TIME	DESCRIPTION	COMMENTS
Picture 386	10/14/2011	11:40 AM	View of control panel associated with System #2.	
Picture 393	10/14/2011	12:25 PM	The sump associated with DDC-4 was noted to have over a foot of water.	

Page 6 of 7

Photos (10.14.11)



Picture 386 - View of control panel associated with System #2.



<u>Picture 393</u> - The sump associated with DDC-4 was noted to posses over a foot of water from within.

Project: Nat	tional Heatset Printing Site - 1 Adams Boulev	vard, Farmingdale, NY - Site M	1anagement					
Contractors: EA	Engineering and Preferred Environmental Se	ervices						
EA Fraincasina lab No.								
EA Engineering Job No: 144								
Site No: <u>152</u> EA Project Manager: Jan								
EA i Toject Manager. Jan	ies i laywai u							
	DAILY REPOR	<u>RT</u>						
Day: S	M T W TH F S	WE	EATHER	Bright Sun	Partly Cloudy	Overcast	Rain	Snow
Date: 19-	Oct-11		TEMP	To 32	32-50	50-70	70-85	85 and up
REPORT No.			WIND	Light	Moderate	High		
PAGE No. 1		HU	JMIDITY	Dry	Moderate	Humid		
		wı	IND DIR	NE	NW	SE	SW	
PREPARED BY: Tho	omas Fitzpatrick TITLE: Site Rep.	<u> </u>		N	S	Е	W	
AVERAGE FIELD FORCE								
Name of Contractor	Title	Hours Work					arks	
Thomas Fitzpatrick	Technician	11:37 - 12:4	40			Pref	erred	
VISITORS								
Name	Time (From - To)	Representi	ing				arks	
LIPA	9:30:00 AM - 10:30:00 am	LIPA	LIPA N/A					
EQUIPMENT AT THE SITE	I = Idle	W = Working						
1. Camera - W	3. Pressure Gauges - W	- 3	acuum Pump	p - W		1		
2. PID - W	4. Velocity & Temperature N	Meter - W				•		
OPERATION & MAINTENA	NCE ACTIVITIES							
	ive: Thomas Fitzpatrick - Preferred							
LATT referred Site Representat	IVE. THOMAS I REPARTIENT - I Teleffed							
	DESCRIPTION OF	F WORK PERFORMED A	AND OBSE	FRVFD				
9:00 - Preferred on-site. Both systems	off upon arrival. System #1 has been off sine				m Power Loss"	alert.		
9:10 - Water from DDC-4 sump was pu	umped out via whale pump.							
9:15 - Restart of System #2.								
9:20 - It was noted that there was no p								
·	ver were running to the electrical service me	ters. Control Panel next to elec	ctrical servic	e meter #	# 99791288 was	s observed to I	e locked l	y LIPA and
breaker turned off.								
10:30 - LIPA off-site.								
11:09 - Start of O&M on System #2. 11:40 - O&M completed								
·	and all parties off-site. System #1 was left of	off while System #2 was left on	unon denar	rture				
. Torontou lookou bour systems		· · · · · · · · · · · · · · · · · · ·						
	x - Designat	tes report is continued on ad-	ditional paç	ges				

EA Engineering

6712 Brooklawn Parkway, Suite 104, Syracuse, New York 13211



National Heatset Printing Site, Farmingdale, NY Contract No., Site No. 152140 Monitoring Table October 19, 2011

DATE: 10/19/11 DAY: Wednesday TECHNICIAN: Thomas Fitzpatrick

Weather: 65 Deg. Rain

TCE Groundwater Treatment System #1 pitched noise emanating from blower.

STATUS: ON

OFF * System shutdown since 30 September 2011 due to a high

I: System Data Collection

Total Run Time Meter Reading: 9,126.4 hours - System Shut down after 61.10 hours - System left off due to high pitch noise emanating from system, System Running at N/A Hz. * The output frequency was lowered due to higher pressures from water build-up within lines and sump.

	Temperature Monitoring					
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments	
	Extracted From Well	TI-01			DDC-1	
	Extracted From Well	TI-02			DDC-2	
	Pre-Heater Outlet	TI-03			Post Shell and Tubing	
	Pre-Heater Input	TI-04			Before Shell and Tubing	
	After Cooler Outlet	TI-05			Post Cooler Reading	
	After Cooler Input	TI-06			Before Cooler Reading	
	Blower Outlet	TI-07			Going to Pre-heater	
	Between GAC Units	TI-08			After GAC #1	
	GAC Unit Output	TI-09			After GAC #2	

Flow Readings			
Time IF-ID		Location	Flow (SCFM)
	FI-01	Extracted From DDC-1	
	FI-02	Extracted From DDC-2	

Comments:

1) Flow meter F0-1 was not functioning

	Pressure/Vacuum Monitoring				
Time	Location	PI/VI-ID	Pressure	Comments	
	Discharge to Well	PI-01	PSI	DDC-1	
	Discharge to Well	PI-02	PSI	DDC-2	
	Drum	PI-03	in. H2O	Vacuum Reading Going to Blower	

TCE Groundwater Treatment System #1 - System shut down due to high pitch noise emanating from system

	GAC Unit Inform

	nfluent Po	rt	
TIME	PID VOC ppm	Temp Deg. F	
Comments None			

Between GAC Unit #1 and GAC Unit #2					
	TIME	PID VOC ppm	Temp Deg. F		
•	Comments:	None	•		

Effluent Port			
TIME	PID VOC ppm	Temp Deg. F	
Comments: None			

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

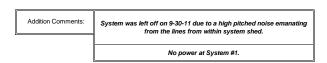
Well#	Comments
DDC-1	Not inspected.
DDC-2	Not inspected.

Inspection of Sumps	Associated with DDC Wells
---------------------	---------------------------

Well#	Comments
DDC-1	No sump associated with this well.
DDC-2	Not inspected.

Liquid Levels in Knock-Out Tanks	
Commer	nts: N/A





III: System Evaluation

	System is operating satisfactorily
X	EA recommends / implements the following

•

Clarify electrical issue with LIPA and troubleshoot System #1.

IV: Sampling / Lab Data

N/A

DATE: 10/19/11 DAY: Wednesday TECHNICIAN: Thomas Fitzpatrick

Weather: 65 Deg. Rain

GWTT EQUIPMENT INFORMATION

TCE Groundwater Treatment System #2 STATUS: ON OFF - * A "Mom Power Loss" alarm was displayed on the VFD upon arrival. The system was reset then restarted.

I: System Data Collection

Total Run Time Meter Reading: $\underline{9,276.5}$ hours System Running at $\underline{41.0}$ Hz.

		Ter	nperature Monitorir	ng	
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments
11:02	Carbon Unit Inlet	CA01	25.0	77.0	Carbon Unit #1
11:05	Pre-Heater	PHA01	35.0	95.0	After Shell and Tubing
11:06	Blower Panel	B01	79.4	175.0	Exiting Blower
11:05	After Cooler Outlet	AC01	37.8	100.0	Post Cooler Piping
11:06	Pre-Heater	PHB01	66.7	152.0	Before Shell and Tubing

		Flow Readings	
Time	TI-ID	Location	Flow (CFM)
11:04	WD01	Injected Air to DDC-3	189
11:04	WD02	Injected Air to DDC-4	112

Comments: None

		Press	sure/Vacuum Monitoring	
Time	Location	TI-ID	Pressure	Comments
11:05	Knock-Out Tank	T01	-0.5 in. Hg	Vacuum gauge on knock-out tank
11:07	Carbon-Unit #1 Outlet	CA1	-4.9 in. Hg	Vacuum exiting GAC #1
11:05	Discharge to Wells	WD2	3.3 PSI	Pressure reading on piping prior to splicing off to both wells
11:06	Blower Panel	BP01	-1.3 in. Hg	Vacuum coming off of blower
11:06	Carbon Unit #2 Outlet	CA2	-4.4 in. Hg	Vacuum exiting GAC #2
11:23	DDC-3	N/A	0.4 PSI	Pressure gauge on well head
11:25	DDC-4	N/A	0.4 PSI	Pressure gauge on well head

DATE: 10/19/11 DAY: Wednesday TECHNICIAN: Thomas Fitzpatrick

Weather: 65 Deg. Rain

TCE Groundwater Treatment System #2

Influent Port GAC#1

TIME	PID VOC ppm	Temp Deg. F
11:11	0.0	72.3

Comments: None

GAC Unit Information

Influent Port GAC#2

TIME	PID VOC ppm	Temp Deg. F
11:15	0.0	76.0

	Effluent	
TIME	PID VOC ppm	Temp Deg F
11:18	0.0	77.3

Comments: None

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-3	Bubbling was sufficient.
DDC-4	Bubbling was sufficient.

Inspection of Sumps Associated with DDC Wells

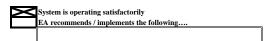
Well#	Comments
DDC-3	.5 inches of water in this sump
DDC-4	Over 1 foot of water in this sump

Addition Comments:	Water was noted to be over a foot in DDC-4 sump. Water was discharged from sump via whale pump.
	water was discharged from sump via whale pump.

Liquid Levels in Knock-Out Tanks Comments: No water was detected within the K.O. tank.

Oil Level on Blower
Comments: Oil levels were good. Oil was changed on 8/17/11 with Omega SB-220 oil.

III: System Evaluation



N/A

PHOTOGRAPHIC LOG

Date: 10-19-11

EA Job No.

National Heatset Printing Site

РНОТО	DATE	TIME	DESCRIPTION	COMMENTS
Picture 387	10/19/2011	9:05 AM	View of the variable frequency drive (VFD) for System #2, with the alarm of, "Mom Power Loss".	
Picture 442	10/19/2011	9:30 AM	An electrical conduit emanating from the electrical service meter #99791288 to the System #1 shed.	

Page 6 of 7

Photos (10.19.11)



<u>Picture 387</u> - View of the variable frequency drive (VFD) for System #2, with the alarm of, "Mom Power Loss".



<u>Picture 442</u> - An electrical conduit emanating from the electrical service meter #99791288 to the System #1 shed.

(`ontractore: E/	A Engineering and Preferred Environmental S		e Management					
Contractors.	Lengineering and Preferred Environmental S	bervices						
EA Engineering Job No: 14	47429							
Site No: 15								
EA Project Manager: Ja	mes Hayward							
·	•							
	DAILY REPO	<u>RT</u>						
Day: S	M T W TH F S		WEATHER	Bright Sun	Partly Cloudy	Overcast	Rain	Snow
Date: 28	-Oct-11		TEMP	To 32	32-50	50-70	70-85	85 and up
REPORT No.			WIND	Light	Moderate	High		
PAGE No. 1			HUMIDITY	Dry	Moderate	Humid		
			WIND DIR	NE	NW	SE	SW	
PREPARED BY: Th	nomas Fitzpatrick TITLE: Site Rep.			N	S	Е	W	
VERAGE FIELD FORCE								
Name of Contractor Thomas Fitzpatrick	Title Technician	Hours W 10:20 - 1			Remarks Preferred			
ISITORS Name	Time (From - To)	Represe	enting			Pom	arks	
N/A	N/A	N/A		-			/A	
N/A								
	I Idle	W Working						
QUIPMENT AT THE SITE		W = Working	Vacuum Pum	n - W		1		
QUIPMENT AT THE SITE	E I = Idle 3. Pressure Gauges - W 4. Velocity & Temperature	5.	. Vacuum Pum	p - W		Ī		
QUIPMENT AT THE SITE Camera - W PID - W	3. Pressure Gauges - W 4. Velocity & Temperature	5.	i. Vacuum Pum	p - W		I		
QUIPMENT AT THE SITE Camera - W PID - W PERATION & MAINTEN	3. Pressure Gauges - W 4. Velocity & Temperature ANCE ACTIVITIES	5.	. Vacuum Pum	p - W		İ		
QUIPMENT AT THE SITE Camera - W PID - W PERATION & MAINTEN	3. Pressure Gauges - W 4. Velocity & Temperature	5.	. Vacuum Pum	p - W		l		
QUIPMENT AT THE SITE Camera - W PID - W PERATION & MAINTEN	3. Pressure Gauges - W 4. Velocity & Temperature ANCE ACTIVITIES tive: Thomas Fitzpatrick - Preferred	5. Meter - W				İ		
QUIPMENT AT THE SITE Camera - W PID - W PERATION & MAINTEN. A/Preferred Site Representa	3. Pressure Gauges - W 4. Velocity & Temperature ANCE ACTIVITIES tive: Thomas Fitzpatrick - Preferred	Meter - W 5						
QUIPMENT AT THE SITE Camera - W PID - W PERATION & MAINTEN A/Preferred Site Representa	3. Pressure Gauges - W 4. Velocity & Temperature ANCE ACTIVITIES titive: Thomas Fitzpatrick - Preferred DESCRIPTION O	Meter - W 5						
QUIPMENT AT THE SITE Camera - W PID - W PERATION & MAINTEN A/Preferred Site Representa 1:20 - Preferred on-site. System #2 1:24 - Start of O&M on System #2.	3. Pressure Gauges - W 4. Velocity & Temperature ANCE ACTIVITIES titve: Thomas Fitzpatrick - Preferred DESCRIPTION O operating upon arrival. System #1 off since s	Meter - W 5						
QUIPMENT AT THE SITE Camera - W PID - W PERATION & MAINTEN. A/Preferred Site Representa	3. Pressure Gauges - W 4. Velocity & Temperature ANCE ACTIVITIES titve: Thomas Fitzpatrick - Preferred DESCRIPTION O operating upon arrival. System #1 off since s	Meter - W 5						
QUIPMENT AT THE SITE Camera - W PID - W PERATION & MAINTEN A/Preferred Site Representa 2:20 - Preferred on-site. System #2 ::24 - Start of O&M on System #2 ::10 - Water from DDC-4 sump pum ::20 - O&M completed.	3. Pressure Gauges - W 4. Velocity & Temperature ANCE ACTIVITIES titve: Thomas Fitzpatrick - Preferred DESCRIPTION O operating upon arrival. System #1 off since s	Meter - W F WORK PERFORMED 30 September 2011.	D AND OBSI	ERVED				
QUIPMENT AT THE SITE Camera - W PID - W PERATION & MAINTEN A/Preferred Site Representa 2:20 - Preferred on-site. System #2 ::24 - Start of O&M on System #2 ::10 - Water from DDC-4 sump pum ::20 - O&M completed.	3. Pressure Gauges - W 4. Velocity & Temperature ANCE ACTIVITIES Itive: Thomas Fitzpatrick - Preferred DESCRIPTION O operating upon arrival. System #1 off since since of the since since of the since since of the since since of the since since of the since since of the since since of the since since of the since since of the since since of the since since of the since since of the since since of the since since of the since since of the sinc	Meter - W F WORK PERFORMED 30 September 2011.	D AND OBSI	ERVED				

EA Engineering

6712 Brooklawn Parkway, Suite 104, Syracuse, New York 13211



National Heatset Printing Site, Farmingdale, NY Contract No., Site No. 152140 Monitoring Table October 28, 2011

DATE: 10/28/11 DAY: Friday TECHNICIAN: Thomas Fitzpatrick

Weather: 55 Deg. Bright Sun

TCE Groundwater Treatment System #1

STATUS: ON

OFF * System shutdown since 30 September 2011 due to a high

pitched noise emanating from blower.

I: System Data Collection

Total Run Time Meter Reading: 9,126.4 hours - System Shut down after 61.10 hours - System left off due to high pitch noise emanating from system, System Running at N/A Hz. * The output frequency was lowered due to higher pressures from water build-up within lines and sump.

	Temperature Monitoring					
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments	
	Extracted From Well	TI-01			DDC-1	
	Extracted From Well	TI-02			DDC-2	
	Pre-Heater Outlet	TI-03			Post Shell and Tubing	
	Pre-Heater Input	TI-04			Before Shell and Tubing	
	After Cooler Outlet	TI-05			Post Cooler Reading	
	After Cooler Input	TI-06			Before Cooler Reading	
	Blower Outlet	TI-07			Going to Pre-heater	
	Between GAC Units	TI-08			After GAC #1	
	GAC Unit Output	TI-09			After GAC #2	

Flow Readings			
Time IF-ID		Location	Flow (SCFM)
	FI-01	Extracted From DDC-1	
	FI-02	Extracted From DDC-2	

Comments:

1) Flow meter F0-1 was not functioning

	Pressure/Vacuum Monitoring				
Time	Location	PI/VI-ID	Pressure	Comments	
	Discharge to Well	PI-01	PSI	DDC-1	
	Discharge to Well	PI-02	PSI	DDC-2	
	Drum	PI-03	in. H2O	Vacuum Reading Going to Blower	

TCE Groundwater Treatment System #1 - System shut down due to high pitch noise emanating from system GAC Unit Information

Influent Port			
TIME	PID VOC ppm	Temp Deg. F	
Comments: None			

Between	GAC	Unit #1	and	GAC	Unit #2

~	ctween one one #1 and one one #				
	TIME	PID VOC ppm	Temp Deg. F		
Comments: None					

Effluent Port			
TIME	PID VOC ppm	Temp Deg. F	
Comments: None			

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

	inoposition of trater column in 220 traile			
Well#	Comments			
DDC-1	Not inspected.			
DDC-2	Not inspected.			

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-1	No sump associated with this well.
DDC-2	Not inspected.

Liquid Levels	s in Knock-Out Tanks
Comments: N/	A

Addition Comments:	None
Addition Comments:	None

III: System Evaluation

System is operating satisfactorily
EA recommends / implements the following

N/A	

DATE: 10/28/11 DAY: Friday TECHNICIAN: Thomas Fitzpatrick

Weather: 55 Deg. Bright Sun

GWTT EQUIPMENT INFORMATION

TCE Groundwater Treatment System #2 STATUS: ON OFF

I: System Data Collection

Total Run Time Meter Reading: 9,491.8 hours System Running at 41.0 Hz.

	Temperature Monitoring					
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments	
10:31	Carbon Unit Inlet	CA01	21.0	69.8	Carbon Unit #1	
10:30	Pre-Heater	PHA01	31.7	89.0	After Shell and Tubing	
10:30	Blower Panel	B01	46.1	115.0	Exiting Blower	
10:28	After Cooler Outlet	AC01	31.7	89.0	Post Cooler Piping	
10:30	Pre-Heater	PHB01	62.8	145.0	Before Shell and Tubing	

	Pressure/Vacuum Monitoring					
Time	Location	TI-ID	Pressure	Comments		
10:29	Knock-Out Tank	T01	-0.75 in. Hg	Vacuum gauge on knock-out tank		
10:31	Carbon-Unit #1 Outlet	CA1	-5.1 in. Hg	Vacuum exiting GAC #1		
10:29	Discharge to Wells	WD2	3.4 PSI	Pressure reading on piping prior to splicing off to both wells		
10:31	Blower Panel	BP01	-1.0 in. Hg	Vacuum coming off of blower		
10:31	Carbon Unit #2 Outlet	CA2	-4.5 in. Hg	Vacuum exiting GAC #2		
10:50	DDC-3	N/A	0.6 PSI	Pressure gauge on well head		
10:55	DDC-4	N/A	0.4 PSI	Pressure gauge on well head		

	Flow Readings						
	Time	TI-ID	Flow (CFM)				
	10:28	WD01	Injected Air to DDC-3	196			
	10:28	WD02	Injected Air to DDC-4	112			
•	O N						

Comments: None

Weather: 55 Deg. Bright Sun

TCE Groundwater Treatment System #2

Influent Port GAC#1

IIIII GIL OAO#1				
TIME	PID VOC ppm	Temp Deg. F		
10:38	1.3	72.4		

Comments: None

GAC Unit Information

Influent Port GAC#2

TIME	PID VOC ppm	Temp Deg. F		
10:42	1.1	70.1		
Comments: Name				

Effluent					
TIME	PID VOC ppm	Temp Deg. F			
10:46	0.5	70.1			

Comments: None

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-3	Bubbling was sufficient.
DDC-4	Bubbling was sufficient.

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-3	No water detected in this sump
DDC-4	Over 1 foot of water in this sump

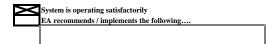
Addition Comments:

Water was noted to be over a foot in the sump associated with DDC-4. Water was discharged from the sump via a whale pump. The lines leading back to the system shed most likely contain water.

Liquid Levels in Knock-Out Tanks Comments: No water was detected within the K.O. tank.

Oil Level on Blower
Comments: Oil levels were good. Oil was changed on 8/17/11 with Omega SB-220 oil.

III: System Evaluation



27/1
N/A

PHOTOGRAPHIC LOG

Date: 10-28-11 **EA Job No.**

National Heatset Printing Site

РНОТО	DATE	TIME	DESCRIPTION	COMMENTS
Picture 387	10/28/2011	10:24 AM	View of System #2 control panel, showing no alarms triggered upon arrival.	
Picture 397	10/28/2011	10:42 AM	Sample ports were screened utilizing a vacuum pump, drawing air from the pipes to a tedlar bag.	

Page 6 of 7

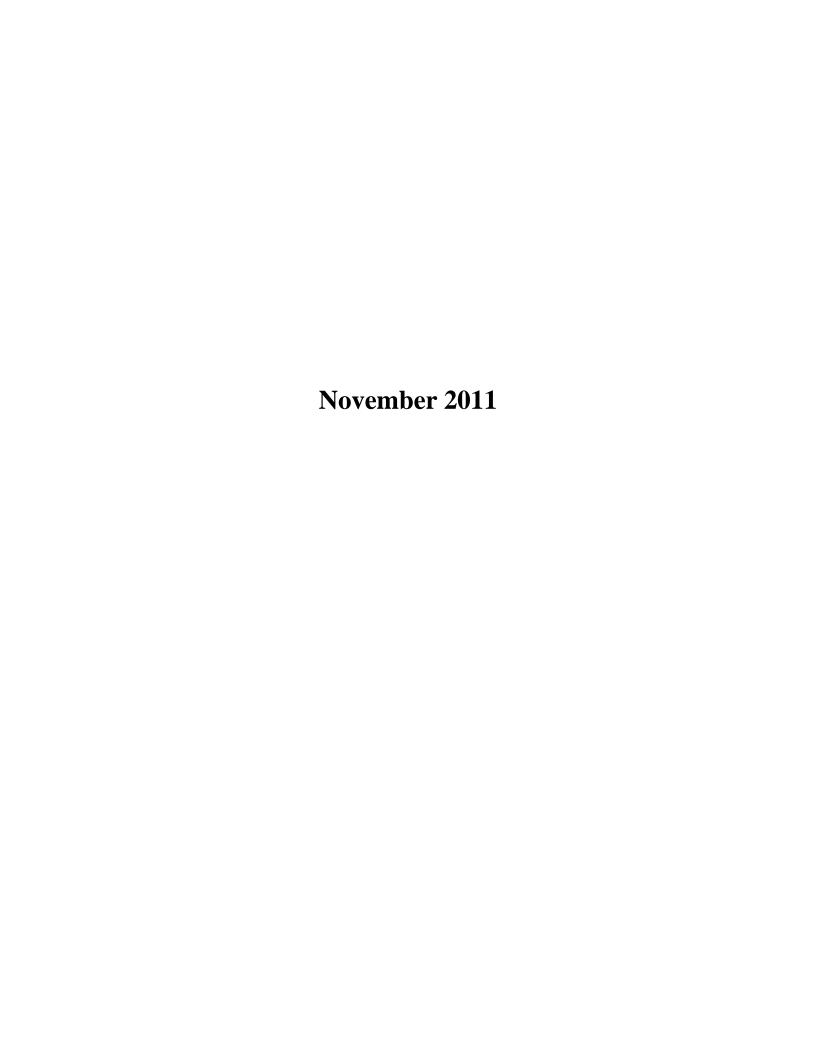
Photos (10.28.11)



<u>Picture 387</u> - View of System #2 control panel, showing no alarms triggered upon arrival.



<u>Picture 397</u> - Sample ports were screened utilizing a vacuum pump, drawing air from the pipes to a tedlar bag.



	ional Heatset Printing Site - 1 Adams Boule		t				
Contractors: EA	Engineering and Preferred Environmental S	ervices					
EA Engineering Job No: 144	7429						
Site No: 152							
EA Project Manager: Jan							
,	•						
	DAILY REPO	<u>RT</u>					
Day: S	M T W TH F S	WEATHER	Bright Sun	Partly Cloudy	Overcast	Rain	Snow
Date: 4-N	ov-11	TEMP	To 32	32-50	50-70	70-85	85 and up
REPORT No.		WIND	Light	Moderate	High		
PAGE No. 1		HUMIDITY	Dry	Moderate	Humid		
		WIND DIR	NE	NW	SE	SW	
PREPARED BY: The	omas Fitzpatrick TITLE: Site Rep.		N	S	Е	W	
AVERAGE FIELD FORCE							
Name of Contractor	Title	Hours Worked		Remarks			
Thomas Fitzpatrick	Technician	12:47 - 13:56			Pref	erred	
VISITORS							
Name	Time (From - To)	Representing				arks	
N/A	N/A	N/A			N	/A	
EQUIPMENT AT THE SITE		W = Working			-		
1. Camera - W 2. PID - W	3. Pressure Gauges - W	5. Vacuum Pun	np - W				
2. PID - W	4. Velocity & Temperature	vieter - vv					
OPERATION & MAINTENA	NCE ACTIVITIES						
EA/Preferred Site Representat	ive: Thomas Fitzpatrick - Preferred						
		WORK PERFORMED AND OBS	ERVED				
-	perating upon arrival. System #1 off since 3	0 September 2011.					
13:04 - Start of O&M on System #2.							
	pumped out in an effort to reduce the amour						
	ere checked and no water was noted within	same.					
13:52 - O&M completed.		" 11 0 · · · · · · · · · · · · · · · · ·					
13:52 - O&M completed.	and all parties off-site. System #1 was left c	ff, while System #2 was left on upon depa	arture.				
13:52 - O&M completed.	<u> </u>	ff, while System #2 was left on upon departed on additional parters on the state of the system of th					

EA Engineering

6712 Brooklawn Parkway, Suite 104, Syracuse, New York 13211



National Heatset Printing Site, Farmingdale, NY Contract No., Site No. 152140 Monitoring Table November 4, 2011

DATE: 11/4/11 DAY: Friday TECHNICIAN: Thomas Fitzpatrick

Weather: 55 Deg. Bright Sun

TCE Groundwater Treatment System #1

STATUS: ON

OFF * System shutdown since 30 September 2011 due to a high

pitched noise emanating from blower.

I: System Data Collection

Total Run Time Meter Reading: 9,126.4 hours System Running at N/A Hz.

	Temperature Monitoring				
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments
	Extracted From Well	TI-01			DDC-1
	Extracted From Well	TI-02			DDC-2
	Pre-Heater Outlet	TI-03			Post Shell and Tubing
	Pre-Heater Input	TI-04			Before Shell and Tubing
	After Cooler Outlet	TI-05			Post Cooler Reading
	After Cooler Input	TI-06			Before Cooler Reading
	Blower Outlet	TI-07			Going to Pre-heater
	Between GAC Units	TI-08			After GAC #1
	GAC Unit Output	TI-09			After GAC #2

	Flow Readings				
Time	ne IF-ID Location		Flow (SCFM)		
	FI-01	Extracted From DDC-1			
	FI-02	Extracted From DDC-2			

Comments:

1) Flow meter F0-1 was not functioning

	Pressure/Vacuum Monitoring				
Time	Location	PI/VI-ID	Pressure	Comments	
	Discharge to Well	PI-01	PSI	DDC-1	
	Discharge to Well	PI-02	PSI	DDC-2	
	Drum	PI-03	in. H2O	Vacuum Reading Going to Blower	

TCE Groundwater Treatment System #1 - System shut down 9-30-11 due to high pitch noise emanating from system GAC Unit Information

Influent Port				
TIME	PID VOC ppm	Temp Deg. F		
Comments: None				

Between	GAC	Unit #1	and	GAC	Unit	#2

TIME	PID VOC ppm	Temp Deg. F		
Comments: None				

	Effluent Port			
TIME	PID VOC ppm	Temp Deg. F		
Commente: None				

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

	inoposition of tratis, column in 220 trails
Well#	Comments
DDC-1	Not inspected.
DDC-2	Not inspected.

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-1	No sump associated with this well.
DDC-2	Not inspected.

Liquid Levels in Knock-Out Tanks	
Comments: N/A	

Oil Level on Blower
Comments: Oil levels were good. Oil was changed on
8/17/11 with Omega SB-220 oil.
-

Addition Comments:	

III: System Evaluation

System is operating satisfactorily
EA recommends / implements the following

١	
	N/A
	N/A

DATE: 11/4/11 DAY: Friday TECHNICIAN: Thomas Fitzpatrick

Weather: 55 Deg. Bright Sun

GWTT EQUIPMENT INFORMATION

TCE Groundwater Treatment System #2 STATUS: ON OFF * "High Level K.O. Tank" Alarm was triggered.

I: System Data Collection

Total Run Time Meter Reading: $\underline{9.559.7}$ hours System Running at $\underline{41.0}$ Hz.

	Temperature Monitoring						
Time Location		TI-ID	Temperature deg. C	Temperature deg. F	Comments		
13:08	Carbon Unit Inlet	CA01	13.0	55.4	Carbon Unit #1		
13:06	Pre-Heater	PHA01	21.1	70.0	After Shell and Tubing		
13:07	13:07 Blower Panel		54.4	130.0	Exiting Blower		
13:08	After Cooler Outlet	AC01	23.9	75.0	Post Cooler Piping		
13:07 Pre-Heater		PHB01	46.1	115.0	Before Shell and Tubing		

Flow Readings					
Time	TI-ID	Location	Flow (CFM)		
13:05	WD01	Injected Air to DDC-3	196		
13:05 WD02		Injected Air to DDC-4	119		
Comments: None					

	Pressure/Vacuum Monitoring					
Time Location		TI-ID	Pressure	Comments		
13:05 Knock-Out Tank T01		T01	-1.0 in. Hg	Vacuum gauge on knock-out tank		
13:08	Carbon-Unit #1 Outlet	CA1	-5.1 in. Hg	Vacuum exiting GAC #1		
13:05	Discharge to Wells	WD2	3.4 PSI	Pressure reading on piping prior to splicing off to both wells		
13:07 Blower Panel BP		BP01	-0.5 in. Hg	Vacuum coming off of blower		
13:07	Carbon Unit #2 Outlet	CA2	-4.5 in. Hg	Vacuum exiting GAC #2		
13:20	DDC-3	N/A	0.5 PSI	Pressure gauge on well head		
13:25	DDC-4	N/A	0.4 PSI	Pressure gauge on well head		

Weather: 55 Deg. Bright Sun

TCE Groundwater Treatment System #2

Influent Port GAC#1

TIME	PID VOC ppm	Temp Deg. F			
13:10	2.0	64.0			

Comments: None

GAC Unit Information

Influent Port GAC#2

TIME	PID VOC ppm	Temp Deg. F			
13:13	1.6	67.0			
Commonte: Nono					

 TIME
 PID VOC ppm
 Temp Deg. F

 13:16
 0.5
 58.9

Effluent

Comments: None

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-3	Bubbling was sufficient.
DDC-4	Bubbling was sufficient.

Inspection of Sumps Associated with DDC Wells

	Well#	Comments
DDC-3 1-inch of water detected in this sump		1-inch of water detected in this sump
	DDC-4	Over 1 foot of water in this sump

Addition Comments:

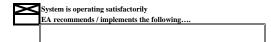
Water was noted to be over a foot in the sump associated with DDC-4. Water was discharged from the sump via a whale pump. The lines leading back to the system shed most likely contained water.

Liquid Levels in Knock-Out Tanks

Comments: No water was detected within the K.O. tank.

Oil Level on Blower
Comments: Oil levels were good. Oil was changed on 8/17/11 with Omega SB-220 oil.

III: System Evaluation



N/A

PHOTOGRAPHIC LOG

Date: 11-4-11 **EA Job No.**

National Heatset Printing Site

РНОТО	DATE	TIME	DESCRIPTION	COMMENTS
Picture 415	11/4/2011	12:47 PM	View of System #2 control panel, showing, "High Level K.O." alarm triggered.	
Picture 421	11/4/2011	13:20 PM	The sump associated with DDC-3 was observed to have 1-inch of water within the casing.	

Page 6 of 7

Photos (11.4.11)



<u>Picture 415</u> - View of System #2 control panel, showing, "High Level K.O." alarm triggered.



<u>Picture 421</u> - The sump associated with DDC-3 was observed to have 1-inch of water within the casing.

Page 7 of 7

Project, Na								
	tional Heatset Printing Site - 1 Adams Boule Engineering and Preferred Environmental S		e Management					
EA Engineering Job No: 144	47420							
Site No: 152								
EA Project Manager: Jan								
EAT Toject Manager.	nes riaywaru							
	DAILY REPO	<u>RT</u>						
Day: S	M T W TH F S	V	WEATHER	Bright Sun	Partly Cloudy	Overcast	Rain	Snow
Date: 11-	-Nov-11		TEMP	To 32	32-50	50-70	70-85	85 and up
REPORT No.			WIND	Light	Moderate	High		
PAGE No. 1		Ī	HUMIDITY	Dry	Moderate	Humid		
_		Γ,	WIND DIR	NE	NW	SE	SW	
PREPARED BY: The	omas Fitzpatrick TITLE: Site Rep.		WIND DIK	N	S	Е	W	
Name of Contractor Thomas Fitzpatrick	Title Technician	Hours Wo					arks erred	
/ISITORS				<u>.</u>				
Name	Time (From - To)	Represe	nting			Rem	arks	
	Time (From - To) N/A	Represe:					arks /A	
Name N/A	N/A	N/A						
Name N/A EQUIPMENT AT THE SITE	N/A	N/A W = Working		p - W				
Name N/A EQUIPMENT AT THE SITE . Camera - W	N/A I = Idle	N/A W = Working [5.		p - W				
Name N/A EQUIPMENT AT THE SITE . Camera - W . PID - W	N/A I = Idle [3. Pressure Gauges - W 4. Velocity & Temperature	N/A W = Working [5.		p - W				
Name N/A EQUIPMENT AT THE SITE . Camera - W . PID - W DPERATION & MAINTENA	N/A I = Idle [3. Pressure Gauges - W 4. Velocity & Temperature	N/A W = Working [5.		p - W				
Name N/A EQUIPMENT AT THE SITE . Camera - W . PID - W DPERATION & MAINTENA	N/A I = Idle 3. Pressure Gauges - W 4. Velocity & Temperature ANCE ACTIVITIES tive: Thomas Fitzpatrick - Preferred	N/A W = Working 5. Meter - W	. Vacuum Pum					
Name N/A EQUIPMENT AT THE SITE Camera - W . PID - W DPERATION & MAINTENA A/Preferred Site Representate	N/A I = Idle 3. Pressure Gauges - W 4. Velocity & Temperature ANCE ACTIVITIES tive: Thomas Fitzpatrick - Preferred DESCRIPTION O	N/A W = Working 5. Meter - W	. Vacuum Pum					
Name N/A EQUIPMENT AT THE SITE Camera - W PID - W DPERATION & MAINTENA EA/Preferred Site Representat 18 - Preferred on-site. System #1 wa	N/A I = Idle 3. Pressure Gauges - W 4. Velocity & Temperature ANCE ACTIVITIES tive: Thomas Fitzpatrick - Preferred	N/A W = Working 5. Meter - W	. Vacuum Pum					
Name N/A EQUIPMENT AT THE SITE . Camera - W . PID - W DPERATION & MAINTENA EA/Preferred Site Representat :18 - Preferred on-site. System #1 wa: :19 - Start of O&M on System #2.	N/A I = Idle 3. Pressure Gauges - W 4. Velocity & Temperature ANCE ACTIVITIES tive: Thomas Fitzpatrick - Preferred DESCRIPTION Of the State of State o	N/A W = Working Meter - W F WORK PERFORMED iile System #2 was on upon	D AND OBSI arrival.	ERVED	200			
Name N/A EQUIPMENT AT THE SITE . Camera - W . PID - W DPERATION & MAINTENA EA/Preferred Site Representat :18 - Preferred on-site. System #1 wa :19 - Start of O&M on System #2. :53 - Water from within the sump ass	N/A I = Idle 3. Pressure Gauges - W 4. Velocity & Temperature ANCE ACTIVITIES tive: Thomas Fitzpatrick - Preferred DESCRIPTION O	N/A W = Working Meter - W F WORK PERFORMED iile System #2 was on upon	D AND OBSI arrival.	ERVED	es.			
Name N/A EQUIPMENT AT THE SITE Camera - W . PID - W DPERATION & MAINTENA A/Preferred Site Representat :18 - Preferred on-site. System #1 we :19 - Start of O&M on System #2. :53 - Water from within the sump ass 0:00 - O&M completed.	N/A I = Idle 3. Pressure Gauges - W 4. Velocity & Temperature ANCE ACTIVITIES tive: Thomas Fitzpatrick - Preferred DESCRIPTION Of the state of	N/A W = Working 5. Meter - W F WORK PERFORMED ille System #2 was on upon	D AND OBSI arrival.	ERVED	25s.			
Name N/A EQUIPMENT AT THE SITE . Camera · W 1. PID · W DPERATION & MAINTENA EA/Preferred Site Representat 1:18 - Preferred on-site. System #1 we 1:19 - Start of O&M on System #2. 1:53 - Water from within the sump ass 0:00 - O&M completed.	N/A I = Idle 3. Pressure Gauges - W 4. Velocity & Temperature ANCE ACTIVITIES tive: Thomas Fitzpatrick - Preferred DESCRIPTION Of the state of	N/A W = Working 5. Meter - W F WORK PERFORMED ille System #2 was on upon	D AND OBSI arrival. of water within r	ERVED	98.			

EA Engineering

6712 Brooklawn Parkway, Suite 104, Syracuse, New York 13211



National Heatset Printing Site, Farmingdale, NY Contract No., Site No. 152140 Monitoring Table November 11, 2011

DATE: 11/11/11 DAY: Friday TECHNICIAN: Thomas Fitzpatrick

Weather: 60 Deg. Bright Sun

TCE Groundwater Treatment System #1

STATUS: ON

OFF * System shutdown since 30 September 2011 due to a high

pitched noise emanating from blower.

I: System Data Collection

Total Run Time Meter Reading: 9,126.4 hours - System Shut down 9-30-11 due to high pitch noise emanating from system, System Running at N/A Hz. *

	Temperature Monitoring					
Time Location		TI-ID Temperature Temperatur deg. C deg. F		Temperature deg. F	Comments	
	Extracted From Well	TI-01			DDC-1	
	Extracted From Well	TI-02			DDC-2	
	Pre-Heater Outlet	TI-03			Post Shell and Tubing	
	Pre-Heater Input	TI-04			Before Shell and Tubing	
	After Cooler Outlet	TI-05			Post Cooler Reading	
	After Cooler Input	TI-06			Before Cooler Reading	
	Blower Outlet	TI-07			Going to Pre-heater	
	Between GAC Units	TI-08			After GAC #1	
	GAC Unit Output	TI-09			After GAC #2	

Flow Readings				
Time	IF-ID Location		Flow (SCFM)	
	FI-01	Extracted From DDC-1		
	FI-02	Extracted From DDC-2		

Comments

1) Flow meter F0-1 was not functioning

	Pressure/Vacuum Monitoring				
Time	Location	PI/VI-ID	Pressure	Comments	
	Discharge to Well	PI-01	PSI	DDC-1	
	Discharge to Well	PI-02	PSI	DDC-2	
	Drum	PI-03	in. H2O	Vacuum Reading Going to Blower	

TCE Groundwater Treatment System #1 - System shut down due to high pitch noise emanating from system GAC Unit Information

	nfluent Po	rt	
TIME	PID VOC ppm	Temp Deg. F	
Comments: None			

Daturaan	~ ^ ~	1154 44	~~4	~ ^ ~	1154	#2
Between	GAL	Unit #1	ana	GAL	Unit	#2

TIME	PID VOC ppm	Temp Deg. F

	Effluent Port	
TIME	PID VOC ppm	Temp Deg. F
Commenter No.		

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-1	Not inspected.
DDC-2	Not inspected.

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-1	No sump associated with this well.
DDC-2	Not inspected.

Liquid Levels in Knock-Out Tanks
Comments: N/A

Oil Level on Blower
Comments: Oil levels were good. Oil was changed on
8/17/11 with Omega SB-220 oil.

Addition Comments:	None
Addition Comments.	None

III: System Evaluation

System is operating satisfactorily
EA recommends / implements the following

N/A

DATE: 11/11/11 DAY: Friday TECHNICIAN: Thomas Fitzpatrick

Weather: 60 Deg. Bright Sun

GWTT EQUIPMENT INFORMATION

TCE Groundwater Treatment System #2 STATUS: ON OFF

I: System Data Collection

Total Run Time Meter Reading: $\underline{9,724.9}$ hours System Running at $\underline{41.0}$ Hz.

		Tei	mperature Monitorii	ng	
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments
9:24	Carbon Unit Inlet	CA01	21.0	69.8	Carbon Unit #1
9:23	Pre-Heater	PHA01	31.7	89.0	After Shell and Tubing
9:23	Blower Panel	B01	76.7	170.0	Exiting Blower
9:22	After Cooler Outlet	AC01	32.2	90.0	Post Cooler Piping
9:23	Pre-Heater	PHB01	62.8	145.0	Before Shell and Tubing

		Press	sure/Vacuum Monitoring	
Time	Location	TI-ID	Pressure	Comments
9:22	Knock-Out Tank	T01	-1.0 in. Hg	Vacuum gauge on knock-out tank
9:24	Carbon-Unit #1 Outlet	CA1	-5.0 in. Hg	Vacuum exiting GAC #1
9:22	Discharge to Wells	WD2	3.4 PSI	Pressure reading on piping prior to splicing off to both wells
9:23	Blower Panel	BP01	-1.1 in. Hg	Vacuum coming off of blower
9:24	Carbon Unit #2 Outlet	CA2	-4.5 in. Hg	Vacuum exiting GAC #2
9:41	DDC-3	N/A	0.7 PSI	Pressure gauge on well head
9:47	DDC-4	N/A	0.4 PSI	Pressure gauge on well head

Flow Readings				
Time	TI-ID	Location	Flow (CFM)	
9:20	WD01	Injected Air to DDC-3	196	
9:20	WD02	Injected Air to DDC-4	112	

Comments: None

TCE Groundwater Treatment System #2

Influent Port GAC#1		
TIME	PID VOC ppm	Temp Deg. F
9:31	2.0	64.5

Comments: None

GAC Unit Information

Influent Port GAC#2

TIME	PID VOC ppm	Temp Deg. F
9:34	2.0	71.5

	Effluent	
TIME	PID VOC ppm	Temp Deg. F
9:37	1.0	70.5

Comments: None

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-3	Bubbling was sufficient.
DDC-4	Bubbling was sufficient.

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-3	No water detected in this sump
DDC-4	Over 1 foot of water in this sump

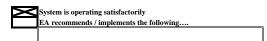
Addition Comments:

Water was noted to be over a foot in the sump associated with DDC-4. Water was discharged from the sump via a whale pump. The lines leading back to the system shed most likely contained water.

Liquid Levels in Knock-Out Tanks Comments: No water was detected within the K.O. tank.

Oil Level on Blower
Comments: Oil levels were good. Oil was changed on 8/17/11 with Omega SB-220 oil.

III: System Evaluation



1	
	N/A

PHOTOGRAPHIC LOG

Date: 11-11-11

EA Job No.

National Heatset Printing Site

РНОТО	DATE	TIME	DESCRIPTION	COMMENTS
Picture 437	11/11/2011	10:24 AM	No water was detected within site-glass of the K.O. Tank in the System #2 shed.	
Picture 442	11/11/2011	10:42 AM	The pressure gauge on DDC-4 read 0.4 PSI.	

Page 6 of 7

Photos (11.11.11)



<u>Picture 437</u> - No water was detected within site-glass of the K.O. Tank in the System #2 shed.



Picture 442 - The pressure gauge on DDC-4 read 0.4 PSI.

Б								
	ional Heatset Printing Site - 1 Adams Bouleva		e Management					
Contractors: EA	Engineering and Preferred Environmental Se	rvices			ī			
EA Engineering Joh No.	7100				•			
EA Engineering Job No: 144 Site No: 152					•			
					•			
EA Project Manager: Jan	nes Hayward							
	DAILY REPO	<u>RT</u>						
Day: S	M T W TH F S		WEATHER	Bright Sun	Partly Cloudy	Overcast	Rain	Snow
Date: 16-	Nov-11		TEMP	To 32	32-50	50-70	70-85	85 and up
REPORT No.		WIND	Light	Moderate	High	Ш		
PAGE No. 1			HUMIDITY	Dry	Moderate	Humid		
			WIND DIR	NE	NW	SE	SW	
PREPARED BY: The	mas Fitzpatrick TITLE: Site Rep.			N	S	Е	W	
AVERAGE FIELD FORCE								
Name of Contractor	Title	Hours Worked			Remarks			
Thomas Fitzpatrick	Thomas Fitzpatrick Technician				Preferred			
VISITORS Name	Time (From - To)	Repres	senting			Rem	narks	
Bob Casey	8:00 - 8:58	EA Engineering		None				
John Norris	8:00 - 8:40	Gray E	Electric			No	one	
	I = Idlo	W - Working						
		W = Working	5. Vacuum Pum	w - ar		1		
1. Camera - W	I = Idle 3. Pressure Gauges - W 4. Velocity & Temperature N	Ů	5. Vacuum Pum	ıp - W]		
EQUIPMENT AT THE SITE 1. Camera - W 2. PID - W	3. Pressure Gauges - W	Ů	5. Vacuum Pum	np - W		1		
1. Camera - W 2. PID - W	3. Pressure Gauges - W 4. Velocity & Temperature N	Ů	5. Vacuum Pum	np - W]		
1. Camera - W 2. PID - W OPERATION & MAINTENA	3. Pressure Gauges - W 4. Velocity & Temperature N	Ů	5. Vacuum Pum	np - W]		
1. Camera - W 2. PID - W OPERATION & MAINTENA	3. Pressure Gauges - W 4. Velocity & Temperature I	Ů	5. Vacuum Pum	np - W		1		
1. Camera - W 2. PID - W OPERATION & MAINTENA EA/Preferred Site Representat	3. Pressure Gauges - W 4. Velocity & Temperature I INCE ACTIVITIES ive: Thomas Fitzpatrick - Preferred DESCRIPTION OF	Meter - W	D AND OBSE	ERVED		1		
1. Camera - W 2. PID - W OPERATION & MAINTENA EA/Preferred Site Representat 8:00 - Preferred on-site. System #2 op	3. Pressure Gauges - W 4. Velocity & Temperature ! NCE ACTIVITIES ive: Thomas Fitzpatrick - Preferred DESCRIPTION OF erating upon arrival. System #1 off since 30 S	Meter - W	D AND OBSE	ERVED	Gray Electric) o	n-site.		
1. Camera - W 2. PID - W OPERATION & MAINTENA EA/Preferred Site Representat 8:00 - Preferred on-site. System #2 op 8:05 - Start troubleshooting SVE syste	3. Pressure Gauges - W 4. Velocity & Temperature I INCE ACTIVITIES ive: Thomas Fitzpatrick - Preferred DESCRIPTION OF erating upon arrival. System #1 off since 30 Sm.	Meter - W F WORK PERFORME September 2011. Bob Cas	D AND OBSE ey (EA) and Joh	ERVED	Gray Electric) o	n-site.		
1. Camera - W 2. PID - W OPERATION & MAINTENA EA/Preferred Site Representat 8:00 - Preferred on-site. System #2 op 8:05 - Start troubleshooting SVE syste	3. Pressure Gauges - W 4. Velocity & Temperature ! NCE ACTIVITIES ive: Thomas Fitzpatrick - Preferred DESCRIPTION OF erating upon arrival. System #1 off since 30 S	Meter - W F WORK PERFORME September 2011. Bob Cas	D AND OBSE ey (EA) and Joh	ERVED	Gray Electric) o	n-site.		
1. Camera - W 2. PID - W OPERATION & MAINTENA EA/Preferred Site Representat 8:00 - Preferred on-site. System #2 op 8:05 - Start troubleshooting SVE syste 8:30 - Gray Electric determined that the 8:35 - The electric service meters were	3. Pressure Gauges - W 4. Velocity & Temperature I INCE ACTIVITIES ive: Thomas Fitzpatrick - Preferred DESCRIPTION OF erating upon arrival. System #1 off since 30 Sm.	WORK PERFORME ideptember 2011. Bob Cas ded to be replaced for the 99791288 – confirmed to	ED AND OBSI ey (EA) and Joh blower.	ERVED In Norris (m #1; Meter N	lo. 96928508		d with System #
1. Camera - W 2. PID - W OPERATION & MAINTENA EA/Preferred Site Representat 8:00 - Preferred on-site. System #2 op 8:05 - Start troubleshooting SVE syste 8:30 - Gray Electric determined that the 8:35 - The electric service meters were Meter No. 99750394 associated with	3. Pressure Gauges - W 4. Velocity & Temperature I INCE ACTIVITIES ive: Thomas Fitzpatrick - Preferred DESCRIPTION OF erating upon arrival. System #1 off since 30 Sm. a SVE control starter and heating control need be verified by Gray Electric and EA; Meter No.	WORK PERFORME ideptember 2011. Bob Cas ded to be replaced for the 99791288 – confirmed to	ED AND OBSI ey (EA) and Joh blower.	ERVED In Norris (m #1; Meter N	lo. 96928508		d with System #
1. Camera - W 2. PID - W OPERATION & MAINTENA EA/Preferred Site Representat 8:00 - Preferred on-site. System #2 op 8:05 - Start troubleshooting SVE syste 8:30 - Gray Electric determined that th 8:35 - The electric service meters were Meter No. 99750394 associated with 8:40 - John Norris off-site. 8:50 - Start of O&M on System #2.	3. Pressure Gauges - W 4. Velocity & Temperature I INCE ACTIVITIES ive: Thomas Fitzpatrick - Preferred DESCRIPTION OF erating upon arrival. System #1 off since 30 Sm. a SVE control starter and heating control need be verified by Gray Electric and EA; Meter No.	WORK PERFORME ideptember 2011. Bob Cas ded to be replaced for the 99791288 – confirmed to	ED AND OBSI ey (EA) and Joh blower.	ERVED In Norris (m #1; Meter N	lo. 96928508		d with System i
1. Camera - W 2. PID - W OPERATION & MAINTENA EA/Preferred Site Representat 8:00 - Preferred on-site. System #2 op 8:05 - Start troubleshooting SVE syste 8:35 - Gray Electric determined that th 8:35 - The electric service meters were Meter No. 99750394 associated with 8:40 - John Norris off-site. 8:50 - Start of O&M on System #2. 8:58 - Bob Casey off-site.	3. Pressure Gauges - W 4. Velocity & Temperature I INCE ACTIVITIES ive: Thomas Fitzpatrick - Preferred DESCRIPTION OF erating upon arrival. System #1 off since 30 S m. a SVE control starter and heating control need e verified by Gray Electric and EA; Meter No. the SVE System and Meter No. 99799923 is	Weter - W F WORK PERFORME Expressed for the 199791288 – confirmed to a dead meter apparently	ED AND OBSE ey (EA) and Joh blower. be associated v formerly associa	ERVED In Norris (m #1; Meter N	lo. 96928508		d with System #
1. Camera - W 2. PID - W OPERATION & MAINTENA EA/Preferred Site Representat 8:00 - Preferred on-site. System #2 op 8:05 - Start troubleshooting SVE syste 8:30 - Gray Electric determined that th 8:35 - The electric service meters were Meter No. 99750394 associated with 8:40 - John Norris off-site. 8:50 - Start of O&M on System #2. 8:58 - Bob Casey off-site. 9:40 - Water from DDC-4 sump was pu	3. Pressure Gauges - W 4. Velocity & Temperature I INCE ACTIVITIES ive: Thomas Fitzpatrick - Preferred DESCRIPTION OF erating upon arrival. System #1 off since 30 Sm. a SVE control starter and heating control need be verified by Gray Electric and EA; Meter No.	Weter - W F WORK PERFORME Expressed for the 199791288 – confirmed to a dead meter apparently	ED AND OBSE ey (EA) and Joh blower. be associated v formerly associa	ERVED In Norris (m #1; Meter N	lo. 96928508		d with System #
1. Camera - W 2. PID - W OPERATION & MAINTENA EA/Preferred Site Representat 8:00 - Preferred on-site. System #2 op 8:05 - Start troubleshooting SVE syste 8:30 - Gray Electric determined that the 8:35 - The electric service meters were Meter No. 99750394 associated with 8:40 - John Norris off-site. 8:50 - Start of O&M on System #2. 8:58 - Bob Casey off-site. 9:40 - Water from DDC-4 sump was pu 9:50 - O&M completed.	3. Pressure Gauges - W 4. Velocity & Temperature I INCE ACTIVITIES ive: Thomas Fitzpatrick - Preferred DESCRIPTION OF erating upon arrival. System #1 off since 30 S m. a SVE control starter and heating control need e verified by Gray Electric and EA; Meter No. the SVE System and Meter No. 99799923 is	Work PERFORME EMPOREMENT SHOPE	ED AND OBSI ey (EA) and Joh blower. be associated v formerly associa	ERVED In Norris (vith Systeted with s	m #1; Meter N	lo. 96928508		d with System #

EA/Preferred Site Representative: Thomas Fitzpatrick (Preferred) Project Manager: <u>James Hayward</u> Page 1 of 7

EA Engineering

6712 Brooklawn Parkway, Suite 104, Syracuse, New York 13211



National Heatset Printing Site, Farmingdale, NY Contract No., Site No. 152140 Monitoring Table November 16, 2011

DATE: 11/16/11 DAY: Wednesday TECHNICIAN: Thomas Fitzpatrick

Weather: 60 Deg. Rain

TCE Groundwater Treatment System #1

STATUS: ON

OFF * System shutdown since 30 September 2011 due to a high

pitched noise emanating from blower.

I: System Data Collection

Total Run Time Meter Reading: 9,126.4 hours - System Shut down 9-30-11 System Running at N/A Hz.

	Temperature Monitoring						
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments		
	Extracted From Well	TI-01			DDC-1		
	Extracted From Well	TI-02			DDC-2		
	Pre-Heater Outlet	TI-03			Post Shell and Tubing		
	Pre-Heater Input	TI-04			Before Shell and Tubing		
	After Cooler Outlet	TI-05			Post Cooler Reading		
	After Cooler Input	TI-06			Before Cooler Reading		
	Blower Outlet	TI-07			Going to Pre-heater		
	Between GAC Units	TI-08			After GAC #1		
	GAC Unit Output	TI-09			After GAC #2		

Flow Readings					
Time	IF-ID	Location	Flow (SCFM)		
	FI-01	Extracted From DDC-1			
	FI-02	Extracted From DDC-2			

Comments:

1) Flow meter F0-1 was not functioning

	Pressure/Vacuum Monitoring				
Time	Location	PI/VI-ID	Pressure	Comments	
	Discharge to Well	PI-01	PSI	DDC-1	
	Discharge to Well	PI-02	PSI	DDC-2	
	Drum	PI-03	in. H2O	Vacuum Reading Going to Blower	

Weather: 60 Deg. Rain

TCE Groundwater Treatment System #1 - System shut down due to high pitch noise emanating from system GAC Unit Information

Influent Port				
TIME	PID VOC ppm	Temp Deg. F		
Comments: None				

Between GAC Unit #1 and GAC Unit #2					
	TIME	PID VOC ppm	Temp Deg.		
Comments: None					

	Effluent Port		
TIME	PID VOC ppm	Temp Deg. F	
Commente: None			

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

	inoposition of tratis, column in 220 trails
Well#	Comments
DDC-1	Not inspected.
DDC-2	Not inspected.

Inenaction	o∙f	Sumne	Associated	with	DDC Walle	

Well#	Comments
DDC-1	No sump associated with this well.
DDC-2	Not inspected.

Liquid Levels in Knock-Out Tanks
Comments: N/A

Oil Level on Blower
Comments: Oil levels were good. Oil was changed on
8/17/11 with Omega SB-220 oil.

Addition Comments:	None

III: System Evaluation

System is operating satisfactorily
EA recommends / implements the following

N/A
IV/A

DATE: 11/16/11 DAY: Wednesday TECHNICIAN: Thomas Fitzpatrick

Weather: 60 Deg. Rain

GWTT EQUIPMENT INFORMATION

TCE Groundwater Treatment System #2 STATUS: ON OFF

I: System Data Collection

Total Run Time Meter Reading: $\underline{9.844.6}$ hours System Running at $\underline{41.0}$ Hz.

	Temperature Monitoring							
Time	Time Location		Temperature deg. C	Temperature deg. F	Comments			
9:02	Carbon Unit Inlet	CA01	25.0	77.0	Carbon Unit #1			
9:01	Pre-Heater	PHA01	34.4	94.0	After Shell and Tubing			
9:01	Blower Panel	B01	79.4	175.0	Exiting Blower			
9:01	After Cooler Outlet	AC01	36.1	97.0	Post Cooler Piping			
9:01	Pre-Heater	PHB01	69.4	157.0	Before Shell and Tubing			

	Pressure/Vacuum Monitoring						
Time	Time Location TI-ID		Pressure	Comments			
8:59	Knock-Out Tank	T01	-1.0 in. Hg	Vacuum gauge on knock-out tank			
9:02	Carbon-Unit #1 Outlet	CA1	-5.0 in. Hg	Vacuum exiting GAC #1			
8:59	Discharge to Wells	WD2	3.3 PSI	Pressure reading on piping prior to splicing off to both wells			
9:02	Blower Panel	BP01	-1.1 in. Hg	Vacuum coming off of blower			
9:02	Carbon Unit #2 Outlet	CA2	-4.5 in. Hg	Vacuum exiting GAC #2			
9:22	DDC-3	N/A	0.5 PSI	Pressure gauge on well head			
9:29	DDC-4	N/A	0.3 PSI	Pressure gauge on well head			

Flow Readings						
Time TI-ID		Location	Flow (CFM)			
8:57	WD01	Injected Air to DDC-3	189			
8:57	WD02	Injected Air to DDC-4	112			

Comments: None

DATE: 11/16/11 DAY: Wednesday TECHNICIAN: Thomas Fitzpatrick

Weather: 60 Deg. Rain

TCE Groundwater Treatment System #2

Influent Port GAC#1

TIME	PID VOC ppm	Temp Deg. F
9:12	2.2	71.5

Comments: None

GAC Unit Information

Influent Port GAC#2

TIME	PID VOC ppm	Temp Deg. F
9:14	2.2	76.4

 TIME
 PID VOC ppm
 Temp Deg. F

 9:17
 1.0
 73.7

Effluent

Comments: None

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

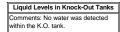
Well#	Comments
DDC-3	Bubbling was sufficient.
DDC-4	Bubbling was sufficient.

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-3	1-inch of water detected in this sump
DDC-4	Over 1 foot of water in this sump

Addition Comments:

Water was noted to be over a foot in the sump associated with DDC-4. Water was discharged from the sump via a whale pump. The lines leading back to the system shed most likely contained water.



Oil Level on Blower
Comments: Oil levels were good. Oil was changed on 8/17/11 with Omega SB-220 oil.

III: System Evaluation



N/A

PHOTOGRAPHIC LOG

Date: 11-16-11

EA Job No.

National Heatset Printing Site

РНОТО	DATE	DATE TIME DESCRIPTION			
Picture 1427	11/16/2011	8:50 AM	View of control panel associated with System #2, which was on upon arrival.		
Picture 1449	11/16/2011	8:30 AM	The Control Starter, along with the heating control for the blower needs to be replaced for the SVE System.		

Page 6 of 7

Photos (11.16.11)



<u>Picture 1427</u> - View of control panel associated with System #2, which was on upon arrival.



<u>Picture 1449</u> - The Control Starter, along with the heating control for the blower needs to be replaced for the SVE System.

	onal Heatset Printing Site - 1 Adams Boulev		Site Management	1				
Contractors: EA E	Engineering and Preferred Environmental Se	ervices						
EA Engineering Job No: 1447	7429							
Site No: 152								
EA Project Manager: Jam	es Hayward							
	DAILY REPOR	<u>RT</u>						
Day: S	M T W TH F S		WEATHER	Bright Sun	Partly Cloudy	Overcast	Rain	Snow
Date: 23-N	lov-11		TEMP	To 32	32-50	50-70	70-85	85 and up
REPORT No.			WIND	Light	Moderate	High		
PAGE No. 1			HUMIDITY	Dry	Moderate	Humid		
DDED 4 DED DV: =:	En and TITLE on D		WIND DIR	NE	NW	SE	SW	
PREPARED BY: Thor	mas Fitzpatrick TITLE: Site Rep.			N	S	E	W	
AVERAGE FIELD FORCE								
Name of Contractor	Title		Worked		Remarks			
Thomas Fitzpatrick	Technician	9:00 -	10:45			Pret	erred	
VISITORS								
Name	Time (From - To)	Repres	senting			Rem	narks	
N/A	N/A	N	/A		N/A			
EQUIPMENT AT THE SITE		W = Working						
1. Camera - W 2. PID - W	Pressure Gauges - W Velocity & Temperature N	Motor M	5. Vacuum Pum	ıp - W		1		
OPERATION & MAINTENA								
	DESCRIPTION OF	WORK PERFORM	ED AND OBS	ERVED				
9:00 - Preferred on-site. System #1 off	since 30 September 2011. System #2 was o							
9:05 - Restarted System #2.								
	mped out in an effort to reduce the amount of	of water within return pipe	es.					
9:25 - Start System #2 O&M.	Non-straint tools are a							
10:00 - Start troubleshooting System #2 10:40 - O&M completed.	z knock-out tank pump.							
	and all parties off-site. System #1 was left of	ff, while System #2 was le	eft on upon depa	rture.				
		tes report is continued of						
EA/Preferred Site Representative	E: <u>Thomas Fitzpatrick (Prefe</u>	erred)	Project Ma	anager:	James Haywa	<u>rd</u>		Page 1 of 7

EA Engineering

6712 Brooklawn Parkway, Suite 104, Syracuse, New York 13211



National Heatset Printing Site, Farmingdale, NY Contract No., Site No. 152140 Monitoring Table November 23, 2011

DATE: 11/23/11 DAY: Wednesday TECHNICIAN: Thomas Fitzpatrick

Weather: 60 Deg. Rain

TCE Groundwater Treatment System #1 pitched noise emanating from blower.

STATUS: ON

OFF * System shutdown since 30 September 2011 due to a high

pitched hoise emanating from blowe

I: System Data Collection

Total Run Time Meter Reading: $\underline{9,126.4}$ hours - System Running at $\underline{N/A}$ Hz.

		Tei	mperature Monitorii	ng	
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments
	Extracted From Well	TI-01			DDC-1
	Extracted From Well	TI-02			DDC-2
	Pre-Heater Outlet	TI-03			Post Shell and Tubing
	Pre-Heater Input	TI-04			Before Shell and Tubing
	After Cooler Outlet	TI-05			Post Cooler Reading
	After Cooler Input	TI-06			Before Cooler Reading
	Blower Outlet	TI-07			Going to Pre-heater
	Between GAC Units	TI-08			After GAC #1
	GAC Unit Output	TI-09			After GAC #2

		Flow Readings	
Time	IF-ID	Location	Flow (SCFM)
	FI-01	Extracted From DDC-1	
	FI-02	Extracted From DDC-2	

Comments

1) Flow meter F0-1 was not functioning

		Pressure/V	acuum Monitoring	
Time	Location	PI/VI-ID	Pressure	Comments
	Discharge to Well	PI-01	PSI	DDC-1
	Discharge to Well	PI-02	PSI	DDC-2
	Drum	PI-03	in. H2O	Vacuum Reading Going to Blower

Weather: 60 Deg. Rain

TCE Groundwater Treatment System #1 - System shut down due to high pitch noise emanating from system GAC Unit Information

		GAC OILL IIIIOIII

Influent Port		
TIME	PID VOC ppm	Temp Deg. F

Comments:	None

Bet	ween GAC	Unit #1 an	d GAC Unit	#2
	TIME	PID VOC ppm	Temp Deg.	
	Comments: I	None		

IME	PID VOC ppm	Temp Deg. F		TIME	PID VOC ppm
ments: I	None		'	Comments: No	ne

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-1	Not inspected.
DDC-2	Not inspected.

annostion.	of Cumpo	Accepted	vith DDC Wells

Well#	Comments
DDC-1	No sump associated with this well.
DDC-2	Not inspected.

Liquid Levels in Knock-Out Tanks			
Comments: N/A			

Oil Level on Blower	
Comments: Oil levels were good. Oil was changed on	
8/17/11 with Omega SB-220 oil.	
-	

Additional Comments:	None

Effluent Port

Temp Deg.

III: System Evaluation

System is operating satisfactorily
EA recommends / implements the following

•	t-
	N/A
	IV/A

DATE: 11/23/11 DAY: Wednesday TECHNICIAN: Thomas Fitzpatrick

Weather: 60 Deg. Rain

GWTT EQUIPMENT INFORMATION

TCE Groundwater Treatment System #2 STATUS: ON OFF * "High Level KO Tank" alarm was triggered upon arrival.

I: System Data Collection

Total Run Time Meter Reading: $\underline{9.927.6}$ hours - Ran for 83 hours (3.5 days before shut down) System Running at $\underline{41.0}$ Hz.

	Temperature Monitoring				
Time Location		TI-ID	Temperature deg. C	Temperature deg. F	Comments
9:30	Carbon Unit Inlet	CA01	14.0	57.2	Carbon Unit #1
9:29	Pre-Heater	PHA01	23.9	75.0	After Shell and Tubing
9:29 Blower Panel		B01	60.0	140.0	Exiting Blower
9:28	After Cooler Outlet	AC01	25.0	77.0	Post Cooler Piping
9:29	Pre-Heater	PHB01	48.9	120.0	Before Shell and Tubing

Flow Readings				
Time	TI-ID	Location	Flow (CFM)	
9:27	WD01	Injected Air to DDC-3	196	
9:27	WD02	Injected Air to DDC-4	112	
Comments: None				

Comments: None

	Pressure/Vacuum Monitoring			
Time	Location	TI-ID	Pressure	Comments
9:28 Knock-Out Tank		T01	-0.8 in. Hg	Vacuum gauge on knock-out tank
9:31	Carbon-Unit #1 Outlet	CA1	-5.1 in. Hg	Vacuum exiting GAC #1
9:27	Discharge to Wells	WD2	3.4 PSI	Pressure reading on piping prior to splicing off to both wells
9:30	Blower Panel	BP01	-0.8 in. Hg	Vacuum coming off of blower
9:30	Carbon Unit #2 Outlet	CA2	-4.7 in. Hg	Vacuum exiting GAC #2
9:39	DDC-3	N/A	0.2 PSI	Pressure gauge on well head
9:35	DDC-4	N/A	0.2 PSI	Pressure gauge on well head

DATE: 11/23/11 DAY: Wednesday TECHNICIAN: Thomas Fitzpatrick

Weather: 60 Deg. Rain

TCE Groundwater Treatment System #2

Influent Port GAC#1

TIME	PID VOC ppm	Temp Deg. F	
9:41	3.1	58.4	

Comments: None

GAC Unit Information

Influent Port GAC#2

TIME	PID VOC ppm	Temp Deg. F
9:44	2.9	66.0

 TIME
 PID VOC ppm
 Temp Deg. F

 9:48
 1.6
 60.9

Effluent

Comments: None

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-3	Bubbling was sufficient.
DDC-4	Bubbling was sufficient.

Liquid Levels in Knock-Out Tanks

Comments: No water was detected within the K.O. tank before System #2 was restarted. Upon restarting the system, 1-inch of water was observed within site glass.

Oil Level on Blower Comments: Oil levels were good. Oil was changed on 8/17/11 with Omega SB-220 oil.

III: System Evaluation



IV: Sampling / Lab Data

ı	N/A
	11/24

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-3	1-inch of water detected in this sump
DDC-4	Over 1 foot of water in this sump

	Water was noted to be over a foot in the sump
Additional Comments:	Water was noted to be over a foot in the sump associated with DDC-4. Water was discharged from the sump via a whale pump. The lines leading back
	the sump via a whale pump. The lines leading back
	to the system shed most likely contain water.

Upon restarting System #2, the site glass for the KO tank went from having no water within the site glass to 1-inch of water. Also, a slight high pitch noise was emanating from the pipes, which dissipated after 3 minutes. Water must have been within the pipes and have been blown out upon restarting the system.

The pump associated with the KO tank was noted to be running prior to restarting the system and continued to run after it was restarted, even though water within the site glass remained unchanged. The power to the pump was tripped from the control panel and the pump shut off and remained off.

PHOTOGRAPHIC LOG

Date: 11-23-11

EA Job No.

National Heatset Printing Site

РНОТО	DATE	TIME	DESCRIPTION	COMMENTS
Picture 480	11/23/2011	9:00 AM	No water was detected within the site glass of the KO tank prior to restating the system.	
Picture 484	11/23/2011	9:05 AM	1-inch of water was observed within site glass once System #2 was restarted.	

Page 6 of 7

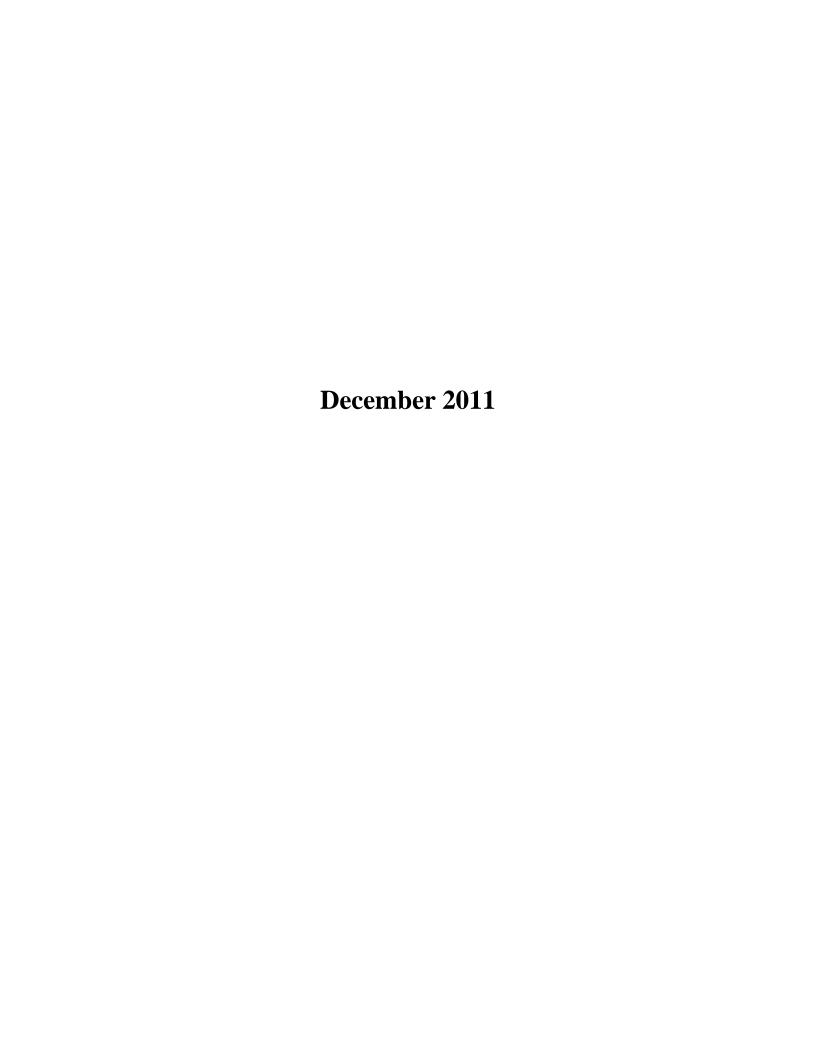
Photos (11.23.11)



<u>Picture 480</u> - No water was detected within the site glass of the KO tank prior to restating the system.



<u>Picture 484</u> - 1-inch of water was observed within site glass once System #2 was restarted.



Project:	EA Engineering and Preferred Environmental Services
Contractors:	EA Engineering and Preferred Environmental Services
EA Engineering Job No:	1447429
Site No:	152140
EA Project Manager:	James Hayward

DAILY REPORT

Day:	S	М	Т	W	TH	F	S
Date:	1-D	ec-11	l				
REPORT No.							
PAGE No.	1						

PRFPARFD	BY.	Thomas	Fitzpatrick	TITI	F٠	Site Rep	

WEATHER	Bright Sun	Partly Cloudy	Overcast	Rain	Snow
TEMP	To 32	32-50	50-70	70-85	85 and up
WIND	Light	Moderate	High		-
HUMIDITY	Dry	Moderate	Humid		
WIND DIR	NE	NW	SE	SW	
WIND DIK	Ν	S	E	W	

AVERAGE FIELD FORCE

	Name of Contractor Title		Hours Worked	Remarks	
Г	Thomas Fitzpatrick	Technician	8:30 - 9:24	Preferred	

VISITORS

Name	Time (From - To)	Representing	Remarks
N/A	N/A	N/A	N/A

EQUIPMENT AT THE SITE	I = Idle	W = Working	
1. Camera - W	3. Pressure Gauges - W		5. Vacuum Pump - W
2. PID - W	Velocity & Temperature	Meter - W	

OPERATION & MAINTENANCE ACTIVITIES

01 E10(110)					
EA/Preferred Site Representative: Thomas Fitzpatrick - Preferred					
DESCRIPTION OF WORK PERFORMED AND OBSERVED					
8:30 - Preferred on-site. System #2 operating upon arrival. System #1 off since 30 September 2011.					
8:32 - Start of O&M on System #2.					
9:05 - Water from DDC-4 sump was pumped out in an effort to reduce the amount of water within return pipes.					
9:18 - O&M completed.					
9:24 - Preferred locked both systems and all parties off-site. System #1 was left off, while System #2 was left on upon departure.					
9:05 - Water from DDC-4 sump was pumped out in an effort to reduce the amount of water within return pipes. 9:18 - O&M completed.					

Designates report is continued on additional pages

EA/Preferred Site Representative: Thomas Fitzpatrick (Preferred) Project Manager: James Hayward Page 1 of 7

EA Engineering

6712 Brooklawn Parkway, Suite 104, Syracuse, New York 13211



National Heatset Printing Site, Farmingdale, NY Contract No., Site No. 152140 Monitoring Table December 1, 2011

DATE: 12/1/11 DAY: Thursday TECHNICIAN: Thomas Fitzpatrick

Weather: 50 Deg. Bright Sun

TCE Groundwater Treatment System #1 STATUS: ON **OFF** * System shutdown on 30 September 2011 due to a high pitched noise emanating from blower.

Going to Blower

I: System Data Collection

Total Run Time Meter Reading: 9,126.4 hours - System Shut down 9-30-11 System Running at N/A Hz.

	Temperature Monitoring								
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments				
	Extracted From Well	TI-01			DDC-1				
	Extracted From Well	TI-02			DDC-2				
	Pre-Heater Outlet	TI-03			Post Shell and Tubing				
	Pre-Heater Input	TI-04			Before Shell and Tubing				
	After Cooler Outlet	TI-05			Post Cooler Reading				
	After Cooler Input	TI-06			Before Cooler Reading				
	Blower Outlet	TI-07			Going to Pre-heater				
	Between GAC Units	TI-08			After GAC #1				
	GAC Unit Output	TI-09			After GAC #2				

	GAC Unit Output	TI-09			After GAC #2			
	Pressure/Vacuum Monitoring							
Time	Location	PI/VI-ID	Press	sure	Comments			
	Discharge to Well	PI-01	F	PSI	DDC-1			
	Discharge to Well	PI-02	F	PSI	DDC-2			
			in	Hao	Vacuum Reading			

--- in. H2O

Flow Readings			
Time	IF-ID	Location	Flow (SCFM)
	FI-01	Extracted From DDC-1	
	FI-02	Extracted From DDC-2	

1) Flow meter F0-1 was not functioning

TCE Groundwater Treatment System #1 - System shut down 9-30-11 due to high pitch noise emanating from system GAC Unit Information

Influent Port		
TIME	PID VOC ppm	Temp Deg. F
Comments: None		

Between GAC Unit #1 and GAC Unit #2

TIME	PID VOC ppm	Temp Deg. F
Comments: None		

Effluent Port		
TIME	PID VOC ppm	Temp Deg.
Comments None		

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

	inoposition of trator column in DDC trong
Well#	Comments
DDC-1	Not inspected.
DDC-2	Not inspected.

Inspection of Sumps Associated with DDC Wells

Well#	Comments	
DDC-1	No sump associated with this well.	
DDC-2	Not inspected.	

Liquid Levels in Knock-Out Tanks	
Comments: N/A	

Oil Level on Blower		
Comments: Oil levels were good. Oil was changed on		
8/17/11 with Omega SB-220 oil.		

Addition Comments:	None	

III: System Evaluation

System is operating satisfactorily
EA recommends / implements the following

N	J/A

DATE: 12/1/11 DAY: Thursday TECHNICIAN: Thomas Fitzpatrick

Weather: 50 Deg. Bright Sun

GWTT EQUIPMENT INFORMATION

TCE Groundwater Treatment System #2 STATUS: ON OFF

I: System Data Collection

Total Run Time Meter Reading: $\underline{10.118.6}$ hours ran for eight (8) days System Running at $\underline{41.0}$ Hz.

	Temperature Monitoring							
Time	Time Location		Temperature deg. C	Temperature deg. F	Comments			
8:34	Carbon Unit Inlet	CA01	20.0	68.0	Carbon Unit #1			
8:37	Pre-Heater	PHA01	29.4	85.0	After Shell and Tubing			
8:38	Blower Panel	B01	71.1	160.0	Exiting Blower			
8:37	After Cooler Outlet	AC01	29.4	85.0	Post Cooler Piping			
8:37	Pre-Heater	PHB01	60.0	140.0	Before Shell and Tubing			

	Pressure/Vacuum Monitoring						
Time	Location	TI-ID	Pressure	Comments			
8:36	Knock-Out Tank	T01	-0.8 in. Hg	Vacuum gauge on knock-out tank			
8:38	Carbon-Unit #1 Outlet	CA1	-5.0 in. Hg	Vacuum exiting GAC #1			
8:36	Discharge to Wells	WD2	3.3 PSI	Pressure reading on piping prior to splicing off to both wells			
8:38	Blower Panel	BP01	-0.8 in. Hg	Vacuum coming off of blower			
8:38	Carbon Unit #2 Outlet	CA2	-4.5 in. Hg	Vacuum exiting GAC #2			
8:55	DDC-3	N/A	0.6 PSI	Pressure gauge on well head			
9:02	DDC-4	N/A	0.4 PSI	Pressure gauge on well head			

	Flow Readings					
Time	TI-ID	Location	Flow (CFM)			
8:35	8:35 WD01 Injected Air		189			
8:35	WD02	Injected Air to DDC-4	105			
C	a. Mana					

Comments: None

Weather: 50 Deg. Bright Sun

TCE Groundwater Treatment System #2

Influent Port GAC#1

TIME	PID VOC ppm	Temp Deg. F
8:46	0.0	64.2

Comments: None

GAC Unit Information

Influent Port GAC#2

TIME	PID VOC ppm	Temp Deg. F	
8:50	0.0	70.8	
Commonto	None		

	Effluent						
TIME	PID VOC ppm	Temp Deg. F					
8:53	0.0	66.9					

Comments: None

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-3	Bubbling was sufficient.
DDC-4	Bubbling was sufficient.

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-3	1-inch of water detected in this sump
DDC-4	Over 1 foot of water in this sump

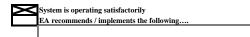
Addition Comments:

Water was noted to be over a foot in the sump associated with DDC-4. Water was discharged from the sump via a whale pump. The lines leading back to the system shed most likely contained water.

Liquid Levels in Knock-Out Tanks Comments: 2 3/8 inches of water detected within site glass.

Oil Level on Blower
Comments: Oil levels were good. Oil was changed on 8/17/11 with Omega SB-220 oil.

III: System Evaluation



Ī	N/A

PHOTOGRAPHIC LOG

Date: 12-1-11 **EA Job No.**

National Heatset Printing Site

РНОТО	DATE	TIME	DESCRIPTION	COMMENTS
Picture 478	12/1/2011	9:32 AM	System #2 was on upon arrival.	
Picture 479	12/1/2011	8:32 AM	About two and 3/8 inches of water was noted within the knock-out tank's site glass in System #2.	

Page 6 of 7

Photos (12.1.11)



Picture 478 - System #2 was on upon arrival.



<u>Picture 479</u> - About two and 3/8 inches of water was noted within the knock-out tank's site glass in System #2.

Project:	EA Engineering and Preferred Environmental Services		
Contractors: EA Engineering and Preferred Environmental Services			
EA Engineering Job No:	1447429		
Site No:	152140		
EA Project Manager:	James Hayward		

DAILY REPORT

Day:	S	M	Т	W	ТН	F	S
Date:	8-0	ec-1	1				
REPORT No.							
PAGE No.	1						

PREPARED	DV.	Th	Fig 4-1-1.	TITLE:	C:4- D
PREPARED	BY:	Inomas	Fitzpatrick		Site Rep.

WEATHER	Bright Sun	Partly Cloudy	Overcast	Rain	Snow
TEMP	To 32	32-50	50-70	70-85	85 and up
WIND	Light	Moderate	High		-
HUMIDITY	Dry	Moderate	Humid		
WIND DIR	NE	NW	SE	SW	
WIND DIK	Ν	S	E	W	

AVERAGE FIELD FORCE

Name of Contractor	Title	Hours Worked	Remarks
Thomas Fitzpatrick	Technician	9:56 - 13:05	Preferred

VISITORS

Name	Time (From - To)	Representing	Remarks
N/A	N/A	N/A	N/A

EQUIPMENT AT THE SITE	I = Idle	W = Working		
1. Camera - W	Pressure Gauges -	- W	5. Vacuum Pump - W	
2. PID - W	Velocity & Tempera	ature Meter - W		

OPERATION & MAINTENANCE ACTIVITIES

	DESCRIPTION OF WORK PERFORMED AND OBSERVED
9:56 - Pre	eferred on-site. System #1 off since 30 September 2011. System #2 off due to, "High Level KO Tank" alarm.
10:00 - S	ystem #2 knock-out tank sight glass full of water. Knock-out tank pump is running, but not discharging water.
10:20 - C	called Gould Pumps (1-866-325-4210) to troubleshoot knock-out tank pump. Observations made during troubleshoot process: 1) The PVC union connecting
th	e knock-out tank and pump was unobstructed; 2) While the pump was on, the discharge line from the pump was opened and it was observed to be discharging ~2 gpm
CC	ompared to normal operation of 20-30 gpm. 3) Pump drive shaft rotating properly.
11:40 - D	betermined that the pump should be opened and inspected for internal flaws and install an "air bleeder" on the discharge line.
11:50 - K	nock-out tank drained via PVC union located on bottom.
12:22 - S	tart of O&M on System #2.
12:47 - W	Vater from DDC-4 sump was pumped out in an effort to reduce the amount of water within return pipes.
13:05 - O	08M completed.
13:05 - P	referred locked both systems and all parties off-site. System #1 was left off, while System #2 was left on upon departure.

Designates report is continued on additional pages

EA/Preferred Site Representative: Thomas Fitzpatrick (Preferred) Project Manager: James Hayward Page 1 of 7

EA Engineering

6712 Brooklawn Parkway, Suite 104, Syracuse, New York 13211



National Heatset Printing Site, Farmingdale, NY Contract No., Site No. 152140 Monitoring Table December 8, 2011

DATE: 12/8/11 DAY: Thursday TECHNICIAN: Thomas Fitzpatrick

Weather: 50 Deg. Bright Sun

TCE Groundwater Treatment System #1

STATUS: ON

ı

OFF * System shutdown since 30 September 2011 due to a high

pitched noise emanating from blower.

I: System Data Collection

Total Run Time Meter Reading: $\underline{9,126.4}$ hours - System Shut down 9-30-11 System Running at $\underline{\text{N/A}}$ Hz.

	Temperature Monitoring								
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments				
	Extracted From Well	TI-01			DDC-1				
	Extracted From Well	TI-02			DDC-2				
	Pre-Heater Outlet	TI-03			Post Shell and Tubing				
	Pre-Heater Input	TI-04			Before Shell and Tubing				
	After Cooler Outlet	TI-05			Post Cooler Reading				
	After Cooler Input	TI-06			Before Cooler Reading				
	Blower Outlet	TI-07			Going to Pre-heater				
	Between GAC Units	TI-08			After GAC #1				
	GAC Unit Output	TI-09			After GAC #2				

	Flow Readings					
Time	ne IF-ID Location Flo					
	FI-01	Extracted From DDC-1				
	FI-02	Extracted From DDC-2				

Comments:

1) Flow meter F0-1 was not functioning

Pressure/Vacuum Monitoring						
Time	Location	PI/VI-ID	Pressure	Comments		
	Discharge to Well	PI-01	PSI	DDC-1		
	Discharge to Well	PI-02	PSI	DDC-2		
	Drum	PI-03	in. H2O	Vacuum Reading Going to Blower		

Weather: 50 Deg. Bright Sun

TCE Groundwater Treatment System #1 - System shut down 9-30-11 due to high pitch noise emanating from system GAC Unit Information

Influent Port							
TIME	PID VOC ppm	Temp Deg. F					

Comments:	None

TIME	PID VOC ppm	Temp Deg. F

Comments:	None	

Effluent Port				
TIME	PID VOC ppm	Temp Deg. F		

Comments: None

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-1	Not inspected.
DDC-2	Not inspected.

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-1	No sump associated with this well.
DDC-2	Not inspected.

Liquid Levels in Knock-Out Tanks
Comments: N/A

Oil Level on Blower		
Comments: Oil levels were good. Oil was changed on		
8/17/11 with Omega SB-220 oil.		

Addition Comments:	None
Addition Comments:	None

III: System Evaluation

System is operating satisfactorily
EA recommends / implements the following

N/A
IN/A

DATE: 12/8/11 DAY: Thursday TECHNICIAN: Thomas Fitzpatrick

Weather: 50 Deg. Bright Sun

GWTT EQUIPMENT INFORMATION

TCE Groundwater Treatment System #2 STATUS: ON OFF * System was off with a, "High Level KO Tank" alarm

I: System Data Collection

Total Run Time Meter Reading: $\underline{10.276.8}$ hours; ran for six and one-half (6.5) days System Running at $\underline{41.0}$ Hz.

	Temperature Monitoring				
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments
12:26	Carbon Unit Inlet	CA01	9.0	48.2	Carbon Unit #1
12:25	Pre-Heater	PHA01	15.0	59.0	After Shell and Tubing
12:25	Blower Panel	B01	48.9	120.0	Exiting Blower
12:24	After Cooler Outlet	AC01	15.0	59.0	Post Cooler Piping
12:25	Pre-Heater	PHB01	32.2	90.0	Before Shell and Tubing

Flow Readings					
Time	Time TI-ID Location Flow (CFM)				
12:23	WD01	Injected Air to DDC-3	189		
12:23	WD02	Injected Air to DDC-4	112		

Comments: None

Pressure/Vacuum Monitoring						
Time	Location	TI-ID	Pressure	Comments		
12:24	Knock-Out Tank	T01	-1.0 in. Hg	Vacuum gauge on knock-out tank		
12:26	Carbon-Unit #1 Outlet	CA1	-5.4 in. Hg	Vacuum exiting GAC #1		
12:23	Discharge to Wells	WD2	3.4 PSI	Pressure reading on piping prior to splicing off to both wells		
12:26	Blower Panel	BP01	-0.2 in. Hg	Vacuum coming off of blower		
12:25	Carbon Unit #2 Outlet	CA2	-5.0 in. Hg	Vacuum exiting GAC #2		
12:40	DDC-3	N/A	1.1 PSI	Pressure gauge on well head		
12:45	DDC-4	N/A	0.4 PSI	Pressure gauge on well head		

Weather: 50 Deg. Bright Sun

TCE Groundwater Treatment System #2

Influent Port GAC#1

TIME	PID VOC ppm	Temp Deg. F		
12:33	2.3	53.7		
Comments: None				

GAC Unit Information

Influent Port GAC#2

TIME	PID VOC ppm	Temp Deg. F	
12:35	1.8	62.4	

Effluent PID VOC Temp Deg. TIME ppm 58.4 12:39 Comments: None

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-3	Bubbling was sufficient.
DDC-4	Bubbling was sufficient.

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-3	1-inch of water detected in this sump
DDC-4	Over 1 foot of water in this sump

Addition Comments:

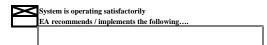
Water was noted to be over a foot in the sump associated with DDC-4. Water was discharged from the sump via a whale pump. The lines leading back to the system shed most likely contain water.

Liquid Levels in Knock-Out Tanks

Comments: Site glass was full upon arrival. Knock-out tank was then drained. When system was turned on, the site glass was noted to rise to contain 5-inches of water.

Oil Level on Blower Comments: Oil levels were good. Oil was changed on 8/17/11 with Omega SB-220 oil.

III: System Evaluation



N/A

PHOTOGRAPHIC LOG

Date: 12-8-11 **EA Job No.**

National Heatset Printing Site

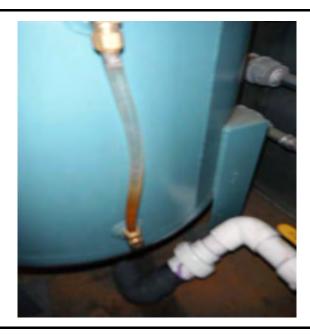
РНОТО	DATE	TIME	DESCRIPTION	COMMENTS
Picture 505	12/8/2011	9:56 AM	System #2 was off upon arrival, with a, "High Level KO Tank" alarm.	
Picture 506	12/8/2011	9:58 AM	The site glass on the knock-out tank within System #2 was full upon arrival.	

Page 6 of 7

Photos (12.8.11)



<u>Picture 505</u> - System #2 was off upon arrival, with a, "High Level KO Tank" alarm.



<u>Picture 506</u> - The site glass on the knock-out tank within System #2 was full upon arrival.

Droingt: EA E	ning of the second Destruction	C						
	ngineering and Preferred Environmental ingineering and Preferred Environmental				•			
<u> </u>	<u> </u>				·			
EA Engineering Job No: 14474					ı			
Site No: 15214								
EA Project Manager: James	s Hayward							
	DAILY REPO	<u>PRT</u>						
Day: S N	1 T W TH F S]	WEATHER	Bright Sun	Partly Cloudy	Overcast	Rain	Snow
Date: 14-De	ec-11	_	TEMP	To 32	32-50	50-70	70-85	85 and up
REPORT No.		_	WIND	Light	Moderate	High		
PAGE No. 1		_	HUMIDITY	Dry	Moderate	Humid		
			WIND DIR	NE	NW	SE	SW	
PREPARED BY: Thom	as Fitzpatrick TITLE: Site Rep.	_		N	S	Е	W	
AVERAGE FIELD FORCE Name of Contractor	Title	Hours	Worked			Dom	arks	
Thomas Fitzpatrick	Technician) - 11:30		Remarks Preferred			
VISITORS								
Name	Time (From - To)		esenting				arks	
N/A	N/A		N/A			N	/A	
EQUIPMENT AT THE SITE	I = Idle	W = Working						
1. Camera - W	3. Pressure Gauges - W	· J	Vacuum Pum	np - W		l		
2. PID - W	Velocity & Temperature	Meter - W				=		
OPERATION & MAINTENAN	CE ACTIVITIES							
EA/Preferred Site Representative								
Ervi referred one representativ	c. momas razpatrick i referred							
	DESCRIPTION O	F WORK PERFORM	IED AND OBS	ERVED				
10:10 - Preferred on-site. System #2 ope								
10:15 - Start of O&M on System #2.								
11:00 - Water from DDC-4 sump was pur	mped out in an effort to reduce the amou	int of water within return p	pipes.					
11:12 - Water from System #2 knock-out	tank was drained via PVC union located	on bottom of tank.						
11:25 - O&M for System #2 is complete.								
11:30 - Preferred locked both systems ar	nd all parties off-site. System #1 was left	off, while System #2 was	left on upon depa	rture.				
	x - Designa	ates report is continued	on additional na	200				

Thomas Fitzpatrick (Preferred) EA/Preferred Site Representative:

Project Manager: <u>James Hayward</u> Page 1 of 7

EA Engineering

6712 Brooklawn Parkway, Suite 104, Syracuse, New York 13211



National Heatset Printing Site, Farmingdale, NY Contract No., Site No. 152140 Monitoring Table December 14, 2011

DATE: 12/14/11 DAY: Wednesday TECHNICIAN: Thomas Fitzpatrick

Weather: 50 Deg. Bright Sun

TCE Groundwater Treatment System #1

STATUS: ON

OFF * System shutdown since 30 September 2011 due to a high

pitched noise emanating from blower.

I: System Data Collection

Total Run Time Meter Reading: $\underline{9,126.4}$ hours - System Shut down 9-30-11 System Running at $\underline{\text{N/A}}$ Hz.

	Temperature Monitoring							
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments			
	Extracted From Well	TI-01			DDC-1			
	Extracted From Well	TI-02			DDC-2			
	Pre-Heater Outlet	TI-03			Post Shell and Tubing			
	Pre-Heater Input	TI-04			Before Shell and Tubing			
	After Cooler Outlet	TI-05			Post Cooler Reading			
	After Cooler Input	TI-06			Before Cooler Reading			
	Blower Outlet	TI-07			Going to Pre-heater			
	Between GAC Units	TI-08			After GAC #1			
	GAC Unit Output	TI-09			After GAC #2			

Flow Readings						
Time	IF-ID	Location	Flow (SCFM)			
	FI-01	Extracted From DDC-1				
	FI-02	Extracted From DDC-2				

Comments

1) Flow meter F0-1 was not functioning

	Pressure/Vacuum Monitoring					
Time	Location	PI/VI-ID	Pressure	Comments		
	Discharge to Well	PI-01	PSI	DDC-1		
	Discharge to Well	PI-02	PSI	DDC-2		
	Drum	PI-03	in. H2O	Vacuum Reading Going to Blower		

Weather: 50 Deg. Bright Sun

TCE Groundwater Treatment System #1 - System shut down 9-30-11 due to high pitch noise emanating from system GAC Unit Information

Influent Port							
TIME	PID VOC ppm	Temp Deg. F					

Comments: None

Between	GAC	Unit #1	and	GAC	Unit #2	
JC:11 CC::						

WCCH CAC CINE #1 and CAC CINE						
TIME	PID VOC ppm	Temp Deg. F				

Comments: None

Effluent Port					
TIME	PID VOC ppm	Temp Deg.			

Comments: None

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-1	Not inspected.
DDC-2	Not inspected.

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-1	No sump associated with this well.
DDC-2	Not inspected.

Liquid Levels in Knock-Out Tanks
Comments: N/A

Oil Level on Blower Comments: Oil levels were good. Oil was changed on 8/17/11 with Omega SB-220 oil.

Addition Comments:	None
Addition Comments.	None

III: System Evaluation

System is operating satisfactorily
EA recommends / implements the following

N/A

DATE: 12/14/11 DAY: Wednesday TECHNICIAN: Thomas Fitzpatrick

Weather: 50 Deg. Bright Sun

GWTT EQUIPMENT INFORMATION

TCE Groundwater Treatment System #2 STATUS: ON OFF * System was off, no alarms triggered.

I: System Data Collection

Total Run Time Meter Reading: $\underline{10.359.4}$ hours; ran for three and a half (3.5) days System Running at $\underline{41.0}$ Hz.

	Temperature Monitoring					
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments	
10:23	Carbon Unit Inlet	CA01	10.0	50.0	Carbon Unit #1	
10:21	Pre-Heater	PHA01	13.9	57.0	After Shell and Tubing	
10:22	Blower Panel	B01	43.3	110.0	Exiting Blower	
10:21	After Cooler Outlet	AC01	16.1	61.0	Post Cooler Piping	
10:22	Pre-Heater	PHB01	32.2	90.0	Before Shell and Tubing	

Flow Readings				
Time TI-ID Location Flow (CFM)				
10:20 WD01 Injected Air to DDC-3		189		
10:20 WD02 Injected Air to DDC-4		119		

Comments: None

	Pressure/Vacuum Monitoring					
Time	Location	TI-ID	Pressure	Comments		
10:21	Knock-Out Tank	T01	-0.5 in. Hg	Vacuum gauge on knock-out tank		
10:23	Carbon-Unit #1 Outlet	CA1	-5.0 in. Hg	Vacuum exiting GAC #1		
10:21	Discharge to Wells	WD2	3.4 PSI	Pressure reading on piping prior to splicing off to both wells		
10:22	Blower Panel	BP01	-0.5 in. Hg	Vacuum coming off of blower		
10:23	Carbon Unit #2 Outlet	CA2	-4.6 in. Hg	Vacuum exiting GAC #2		
10:40	DDC-3	N/A	0.5 PSI	Pressure gauge on well head		
10:45	DDC-4	N/A	0.4 PSI	Pressure gauge on well head		

Weather: 50 Deg. Bright Sun

TCE Groundwater Treatment System #2

Influent Port GAC#1

TIME	PID VOC ppm	Temp Deg. F		
10:26	1.4	56.8		

Comments: None

GAC Unit Information

Influent Port GAC#2

TIME	PID VOC ppm	Temp Deg. F
10:29	1.5	59.5

	Effluent	
TIME	PID VOC ppm	Temp Deg F
10:35	0.0	52.5

Comments: None

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-3	Bubbling was sufficient.
DDC-4	Bubbling was sufficient.

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-3	1-inch of water detected in this sump
DDC-4	Over 1 foot of water in this sump

Addition Comments:

Water was noted to be over a foot in the sump associated with DDC-4. Water was discharged from the sump via a whale pump. The lines leading back to the system shed most likely contain water.

Liquid Levels in Knock-Out Tanks

Comments: 6-inches of water was detected within site glass upon arrival.
The tank was drained. Oil Level on Blower
Comments: Oil levels were good. Oil was changed on 8/17/11 with Omega SB-220 oil.

III: System Evaluation

System is operating satisfactorily EA recommends / implements the following.

IV: Sampling / Lab Data

N/A

PHOTOGRAPHIC LOG

Date: 12-14-11

EA Job No.

National Heatset Printing Site

РНОТО	DATE	TIME	DESCRIPTION	COMMENTS
Picture 519	12/14/2011	9:56 AM	System #2 was off upon arrival, with no alarms triggered.	
Picture 526	12/14/2011	9:58 AM	The sump associated with DDC-4 was purged after it was observed to contain over a foot of water from within.	

Page 6 of 7

Photos (12.14.11)



<u>Picture 519</u> - System #2 was off upon arrival, with no alarms triggered.



<u>Picture 526</u> - The sump associated with DDC-4 was purged after it was observed to contain over a foot of water from within.

Project:	EA Engineering and Preferred Environmental Services			
Contractors:	Contractors: EA Engineering and Preferred Environmental Services			
EA Engineering Job No:	1447429			
Site No:	152140			
EA Project Manager:	James Hayward			

DAILY REPORT

Day:	S	М	Т	W	ТН	F	S
Date:	21-	Dec-	11				
REPORT No.							
PAGE No.	1						
PREPARED BY:	Tho	mas	Fitzpatrick	TIT	ΓLE:	Site Re	p.

WEATHER	Bright Sun	Partly Cloudy	Overcast	Rain	Snow
TEMP	To 32	32-50	50-70	70-85	85 and up
WIND	Light	Moderate	High		
HUMIDITY	Dry	Moderate	Humid		
WIND DIR	NE	NW	SE	SW	
WIND DIK	N	S	E	W	

AVERAGE FIELD FORCE

Name of Contractor	Title	Hours Worked	Remarks
Thomas Fitzpatrick	Technician	7:50 - 12:50	Preferred

VISITORS

Name	Time (From - To)	Representing	Remarks
Rob Peterson	7:50 - 12:50	EA Engineering	None
John Norris	7:57 - 11:40	Gray Electric	None

 EQUIPMENT AT THE SITE
 I = Idle
 W = Working

 1. Camera - W
 3. Pressure Gauges - W
 5. Vacuum Pump - W

 2. PID - W
 4. Velocity & Temperature Meter - W

OPERATION & MAINTENANCE ACTIVITIES

EA/Preferred Site Representative: Thomas Fitzpatrick - Preferred
DESCRIPTION OF WORK PERFORMED AND OBSERVED
7:50 - Preferred on-site. System #2 operating upon arrival. System #1 off since 30 September 2011. EA already on-site performing groundwater sampling.
7:55 - System #2 shut down in order to replace knock-out pump.
7:57 - Gray Electric on-site. Began draining water from System #2 knock-out tank. Knock-out tank pump removed.
8:30 - Gray Electric began replacing control starter for the SVE system.
10:00 - Gray Electric wired new knock-out tank pump for System #2.
10:10 - Preferred reconnects knock-out tank plumbing.
11:40 - Gray Electric off-site.
11:47 - System #2 was restarted and the weekly O&M was resumed.
12:30 - Water from DDC-4 sump was pumped out in an effort to reduce the amount of water within return pipes.
12:45 - O&M for System #2 is complete.
11:50 - Preferred locked both systems and all parties off-site. System #1 was left off, while System #2 was left on upon departure.

Designates report is continued on additional pages

EA/Preferred Site Representative: Thomas Fitzpatrick (Preferred) Project Manager: James Hayward Page 1 of 7

EA Engineering

6712 Brooklawn Parkway, Suite 104, Syracuse, New York 13211



National Heatset Printing Site, Farmingdale, NY Contract No., Site No. 152140 Monitoring Table December 21, 2011

DATE: 12/21/11 DAY: Wednesday TECHNICIAN: Thomas Fitzpatrick

Weather: 50 Deg. Rain

TCE Groundwater Treatment System #1

STATUS: ON

OFF * System shutdown since 30 September 2011 due to a high

pitched noise emanating from blower.

I: System Data Collection

Total Run Time Meter Reading: $\underline{9,126.4}$ hours - System Shut down 9-30-11 System Running at $\underline{\text{N/A}}$ Hz.

	Temperature Monitoring				
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments
	Extracted From Well	TI-01			DDC-1
	Extracted From Well	TI-02			DDC-2
	Pre-Heater Outlet	TI-03			Post Shell and Tubing
	Pre-Heater Input	TI-04			Before Shell and Tubing
	After Cooler Outlet	TI-05			Post Cooler Reading
	After Cooler Input	TI-06			Before Cooler Reading
	Blower Outlet	TI-07			Going to Pre-heater
	Between GAC Units	TI-08			After GAC #1
	GAC Unit Output	TI-09			After GAC #2

Flow Readings			
Time IF-ID		Location	Flow (SCFM)
	FI-01	Extracted From DDC-1	
	FI-02	Extracted From DDC-2	

Comments

1) Flow meter F0-1 was not functioning

	Pressure/Vacuum Monitoring			
Time	Location	PI/VI-ID	Pressure	Comments
	Discharge to Well	PI-01	PSI	DDC-1
	Discharge to Well	PI-02	PSI	DDC-2
	Drum	PI-03	in. H2O	Vacuum Reading Going to Blower

Weather: 50 Deg. Rain

TCE Groundwater Treatment System #1 - System shut down 9-30-11 due to high pitch noise emanating from system GAC Unit Information

	nfluent Po	rt
TIME	PID VOC ppm	Temp Deg. F

Comments: None

Between	GAC	Unit :	#1 aı	nd GA	C Unit #	2

TIME	PID VOC ppm	Temp Deg. F

Comments: None

_	Effluent Port		
	TIME	PID VOC ppm	Temp Deg. F

Comments: None

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-1	Not inspected.
DDC-2	Not inspected.

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-1	No sump associated with this well.
DDC-2	Not inspected.

Liquid Levels in Knock-Out Tanks
Comments: N/A

Oil Level on Blower

Comments: Oil levels were good. Oil was changed on 8/17/11 with Omega SB-220 oil.

Addition Comments:	Mono
Addition Comments:	None

III: System Evaluation

System is operating satisfactorily
EA recommends / implements the following

N/A

DATE: 12/21/11 DAY: Wednesday TECHNICIAN: Thomas Fitzpatrick

Weather: 50 Deg. Rain

GWTT EQUIPMENT INFORMATION

TCE Groundwater Treatment System #2 STATUS: ON OFF

I: System Data Collection

Total Run Time Meter Reading: $\underline{10.525.2}$ hours ran for seven (7) days System Running at $\underline{41.0}$ Hz.

	Temperature Monitoring						
Time Location TI-ID 11:58 Carbon Unit Inlet CA01		TI-ID	Temperature deg. C	Temperature deg. F	Comments		
		12.0	53.6	Carbon Unit #1			
11:57	11:57 Pre-Heater PHA01		22.8	73.0	After Shell and Tubing		
11:58	11:58 Blower Panel B01 65.6 150.0 11:57 After Cooler Outlet AC01 25.6 78.0		65.6	150.0	Exiting Blower		
11:57			78.0	Post Cooler Piping			
11:57 Pre-Heater PHB		PHB01	47.8	118.0	Before Shell and Tubing		

	Pressure/Vacuum Monitoring						
Time Location TI-ID		Pressure	Comments				
11:57 Knock-Out Tank T01		-0.5 in. Hg	Vacuum gauge on knock-out tank				
11:59 Carbon-Unit #1 Outlet CA1		-4.8 in. Hg	Vacuum exiting GAC #1				
11:57	Discharge to Wells	WD2	3.3 PSI	Pressure reading on piping prior to splicing off to both wells			
11:58	Blower Panel	BP01	-1.1 in. Hg	Vacuum coming off of blower			
11:58	Carbon Unit #2 Outlet	CA2	-4.2 in. Hg	Vacuum exiting GAC #2			
12:15	DDC-3	N/A	0.4 PSI	Pressure gauge on well head			
12:20	DDC-4	N/A	0.5 PSI	Pressure gauge on well head			

	Flow Readings					
Time	TI-ID	Flow (CFM)				
11:56 WD01 11:56 WD02		Injected Air to DDC-3	189			
		Injected Air to DDC-4	118			

Comments: None

DATE: 12/21/11 DAY: Wednesday TECHNICIAN: Thomas Fitzpatrick

Weather: 50 Deg. Rain

TCE Groundwater Treatment System #2

Influent Port GAC#1

TIME	PID VOC ppm	Temp Deg. F			
12:03	8.5	62.5			

Comments: None

GAC Unit Information

Influent Port GAC#2

TIME	PID VOC ppm	Temp Deg. F	
12:06	8.3	65.8	

 TIME
 PID VOC ppm
 Temp Deg. F

 12:09
 1.4
 64.5

Effluent

Comments: None

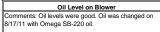
II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments	
DDC-3	Bubbling was sufficient.	
DDC-4	Bubbling was sufficient.	

Liquid Levels in Knock-Out Tanks

Comments: 5-inches of water was detected within site glass upon arrival. The tank was then drained and only 1-inch of water was observed within the site-glass.



Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-3	1-inch of water detected in this sump
DDC-4	Over 1 foot of water in this sump

Addition Comments:	Water was noted to be over a foot in the sump associated with DDC-4. Water was discharged from the sump via a whale pump. The lines leading back to the system shed most likely contain water.
--------------------	---

System #2 knock-out tank pump was disconnected and replaced with a new Gould's Pump (Model number: GT073). The electrical wiring was disconnected and reconnected by Gray Electric, while the PVC plumbing was repaired by Preferred Environmental Services.

III: System Evaluation

١	System is operating satisfactorily			
EA recommends / implements the following				

N/A

PHOTOGRAPHIC LOG

Date: 12-21-11

EA Job No.

National Heatset Printing Site

РНОТО	DATE	TIME	DESCRIPTION	COMMENTS
Picture 521	12/21/2011	7:55 AM	Five inches of water was observed in the site glass of the knock-out tank in System #2, upon arrival.	
Picture 528	12/21/2011	11:47 AM	The knock-out pump was replaced and the piping reconnected within the System #2 shed.	

Page 6 of 7

Photos (12.21.11)



<u>Picture 521</u> - Five inches of water was observed in the site glass of the knock-out tank in System #2, upon arrival.



<u>Picture 528</u> - The knock-out pump was replaced and the piping reconnected within the System #2 shed.

Page 7 of 7

Project: FA	Engineering and Preferred Environmental S	ervices								
	Engineering and Preferred Environmental S									
<u></u>										
EA Engineering Job No: 144	7429									
Site No: 152	2140									
EA Project Manager: Jan	nes Hayward									
	DAILY REPO	<u>KI</u>								
Day: S	M T W TH F S	WEATHER	Bright Sun	Partly Cloudy	Overcast	Rain	Snow			
Date: 29-	Dec-11	TEMP	To 32	32-50	50-70	70-85	85 and up			
REPORT No.		WIND	Light	Moderate	High		•			
PAGE No. 1		HUMIDITY	Dry	Moderate	Humid					
		WIND DIR	NE	NW	SE	SW				
PREPARED BY: The	omas Fitzpatrick TITLE: Site Rep.	WIND BIK	N	S	Е	W				
AVERAGE FIELD FORCE										
Name of Contractor	Title	Hours Worked				arks				
Thomas Fitzpatrick	Technician	8:57 - 10:10			Prete	erred				
VISITORS										
Name	Time (From - To)	Representing			Rem	arks				
N/A	N/A	N/A			N	/A				
	EQUIPMENT AT THE SITE I = Idle W = Working									
1. Camera - W 5. Vacuum Pump - W										
		Motor - W		2. PID - W 4. Velocity & Temperature Meter - W						
1. Camera - W 2. PID - W		Meter - W								
2. PID - W OPERATION & MAINTENA	4. Velocity & Temperature I	Meter - W								
2. PID - W OPERATION & MAINTENA	4. Velocity & Temperature I	Meter - W								
2. PID - W OPERATION & MAINTENA	4. Velocity & Temperature I NCE ACTIVITIES ive: Thomas Fitzpatrick - Preferred		EDVED							
2. PID - W OPERATION & MAINTENA EA/Preferred Site Representat	4. Velocity & Temperature NCE ACTIVITIES ive: Thomas Fitzpatrick - Preferred DESCRIPTION OI	F WORK PERFORMED AND OBS								
2. PID - W OPERATION & MAINTENA EA/Preferred Site Representat	4. Velocity & Temperature NCE ACTIVITIES ive: Thomas Fitzpatrick - Preferred DESCRIPTION OI since 30 September 2011, while System #2	F WORK PERFORMED AND OBS								
2. PID - W OPERATION & MAINTENA EA/Preferred Site Representat 8:57 - Preferred on-site. System #1 off	4. Velocity & Temperature NCE ACTIVITIES ive: Thomas Fitzpatrick - Preferred DESCRIPTION OI since 30 September 2011, while System #2	F WORK PERFORMED AND OBS								
2. PID - W OPERATION & MAINTENA EA/Preferred Site Representat 8:57 - Preferred on-site. System #1 off 9:00 - System #2 knock-out tank pump	4. Velocity & Temperature NCE ACTIVITIES ive: Thomas Fitzpatrick - Preferred DESCRIPTION OI since 30 September 2011, while System #2	F WORK PERFORMED AND OBS								
2. PID - W OPERATION & MAINTENA EA/Preferred Site Representat 8:57 - Preferred on-site. System #1 off 9:00 - System #2 knock-out tank pump 9:07 - System #2 was restarted. 9:18 - Start of O&M on System #2. 9:55 - Water from DDC-4 sump was pu	4. Velocity & Temperature NCE ACTIVITIES ive: Thomas Fitzpatrick - Preferred DESCRIPTION OI since 30 September 2011, while System #2 was heated up with a space heater . umped out in an effort to reduce the amount	F WORK PERFORMED AND OBS was off due to a, "Momentary Power Loss								
2. PID - W OPERATION & MAINTENA EA/Preferred Site Representat 8:57 - Preferred on-site. System #1 off 9:00 - System #2 knock-out tank pump 9:07 - System #2 was restarted. 9:18 - Start of O&M on System #2. 9:55 - Water from DDC-4 sump was pu 10:05 - O&M for System #2 is complete.	4. Velocity & Temperature NCE ACTIVITIES ive: Thomas Fitzpatrick - Preferred DESCRIPTION OI since 30 September 2011, while System #2 was heated up with a space heater . umped out in an effort to reduce the amount	F WORK PERFORMED AND OBS was off due to a, "Momentary Power Loss of water within return pipes.	S".							

 Designates report is continued on additional pages EA/Preferred Site Representative:

Thomas Fitzpatrick (Preferred)

Project Manager: James Hayward

Page 1 of 7

EA Engineering

6712 Brooklawn Parkway, Suite 104, Syracuse, New York 13211



National Heatset Printing Site, Farmingdale, NY Contract No., Site No. 152140 Monitoring Table December 29, 2011

DATE: 12/29/11 DAY: Thursday TECHNICIAN: Thomas Fitzpatrick

Weather: 40 Deg. Partly Cloudy

TCE Groundwater Treatment System #1

STATUS: ON

OFF * System shutdown since 30 September 2011 due to a high

pitched noise emanating from blower.

I: System Data Collection

Total Run Time Meter Reading: $\underline{9.126.4}$ hours - System Shut down 9-30-11 System Running at $\underline{N/A}$ Hz.

		Te	mperature Monitorii	ng		
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments	
	Extracted From Well	TI-01			DDC-1	
	Extracted From Well	TI-02			DDC-2	
	Pre-Heater Outlet	TI-03			Post Shell and Tubing	
	Pre-Heater Input	TI-04			Before Shell and Tubing	
	After Cooler Outlet	TI-05			Post Cooler Reading	
	After Cooler Input	TI-06			Before Cooler Reading	
	Blower Outlet	TI-07			Going to Pre-heater	
	Between GAC Units	TI-08			After GAC #1	
	GAC Unit Output	TI-00			After GAC #2	

Flow Readings				
Time IF-ID Location		Location	Flow (SCFM)	
	FI-01 Extracted From DDC-1			
	FI-02	Extracted From DDC-2		

Comments

1) Flow meter F0-1 was not functioning

	Pressure/Vacuum Monitoring					
Time	Location	PI/VI-ID	Pressure	Comments		
	Discharge to Well	PI-01	PSI	DDC-1		
	Discharge to Well	PI-02	PSI	DDC-2		
	Drum	PI-03	in. H2O	Vacuum Reading Going to Blower		

Weather: 40 Deg. Partly Cloudy

TCE Groundwater Treatment System #1 - System shut down 9-30-11 due to high pitch noise emanating from system GAC Unit Information

TIME PID VOC Temp Deg. F		nfluent Po	rt
	TIME		

Comments: None

Between	GAC	Unit:	#1 and	GAC	Unit #2

TIME	PID VOC ppm	Temp Deg. F

Comments: None

Effluent Port				
TIME	PID VOC ppm	Temp Deg. F		

Comments: None

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-1	Not inspected.
DDC-2	Not inspected.

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-1	No sump associated with this well.
DDC-2	Not inspected.

Liquid Levels in Knock-Out Tanks
Comments: N/A

Oil Level on Blower

Comments: Oil levels were good. Oil was changed on 8/17/11 with Omega SB-220 oil.

Addition Comments:	None

III: System Evaluation

System is operating satisfactorily
EA recommends / implements the following

N/A

DATE: 12/29/11 DAY: Thursday TECHNICIAN: Thomas Fitzpatrick

Weather: 40 Deg. Partly Cloudy

GWTT EQUIPMENT INFORMATION

TCE Groundwater Treatment System #2 STATUS: ON OFF * System was off, with a VFD alarm of, "Mom Power Loss".

I: System Data Collection

Total Run Time Meter Reading: $\underline{10.683.2}$ hours; ran for six and a half (6.5) days System Running at $\underline{41.0}$ Hz.

	Temperature Monitoring				
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments
9:22	Carbon Unit Inlet	CA01	5.0	41.0	Carbon Unit #1
9:21	Pre-Heater	PHA01	12.8	55.0	After Shell and Tubing
9:21	Blower Panel	B01	43.3	110.0	Exiting Blower
9:21	After Cooler Outlet	AC01	10.6	51.0	Post Cooler Piping
9:21	Pre-Heater	PHB01	32.8	91.0	Before Shell and Tubing

Flow Readings			
Time	TI-ID	Location	Flow (CFM)
9:18	WD01	Injected Air to DDC-3	189
9:18	WD02	Injected Air to DDC-4	115

Comments: None

Pressure/Vacuum Monitoring				
Time	Location	TI-ID	Pressure	Comments
9:21	Knock-Out Tank	T01	-1.5 in. Hg	Vacuum gauge on knock-out tank
9:22	Carbon-Unit #1 Outlet	CA1	-5.8 in. Hg	Vacuum exiting GAC #1
9:20	Discharge to Wells	WD2	3.2 PSI	Pressure reading on piping prior to splicing off to both wells
9:22	Blower Panel	BP01	-0.2 in. Hg	Vacuum coming off of blower
9:22	Carbon Unit #2 Outlet	CA2	-5.4 in. Hg	Vacuum exiting GAC #2
9:45	DDC-3	N/A	0.6 PSI	Pressure gauge on well head
9:50	DDC-4	N/A	0.5 PSI	Pressure gauge on well head

Weather: 40 Deg. Partly Cloudy

TCE Groundwater Treatment System #2

Influent Port GAC#1

IIIII GIL OAO#1				
TIME	PID VOC ppm	Temp Deg. F		
9:30	2.1	46.2		

Comments: None

GAC Unit Information

Influent Port GAC#2

TIME	PID VOC ppm	Temp Deg. F
9:34	1.9	52.5

 TIME
 PID VOC ppm
 Temp Deg. F

 9:38
 0.0
 46.3

Effluent

Comments: None

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-3	Bubbling was sufficient.
DDC-4	Bubbling was sufficient.

Liquid Levels in Knock-Out Tanks
Comments: No water was detected
within site-glass.



Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-3	1-inch of water detected in this sump
DDC-4	Over 1 foot of water in this sump

Addition Comments:	Water was noted to be over a foot in the sump associated with DDC-4. Water was discharged from the sump via a whale pump. The lines leading back to the system shed most likely contain water.
--------------------	---

The pump associated with the knock-out tank on System #2 was disconnected and changed with a new Gould's Pump (Model number: GT073) on 12-21-11. Since then no water has been detected within the site glass of the knock-out tank within System #2.

III: System Evaluation

I	$>\!\!<$	System is operating satisfactorily
ı		EA recommends / implements the following
•		

N/A

PHOTOGRAPHIC LOG

Date: 12-29-11

EA Job No.

National Heatset Printing Site

РНОТО	DATE	TIME	DESCRIPTION	COMMENTS
Picture 1784	12/29/2011	8:57 AM	View of System #2's Variable Frequency Drive (VFD) with a, "Mom Power Loss" alarm.	
Picture 1787	12/29/2011	9:50 AM	View of the pressure gauge on DDC-4 reading 0.5 PSI.	

Page 6 of 7

Photos (12.29.11)

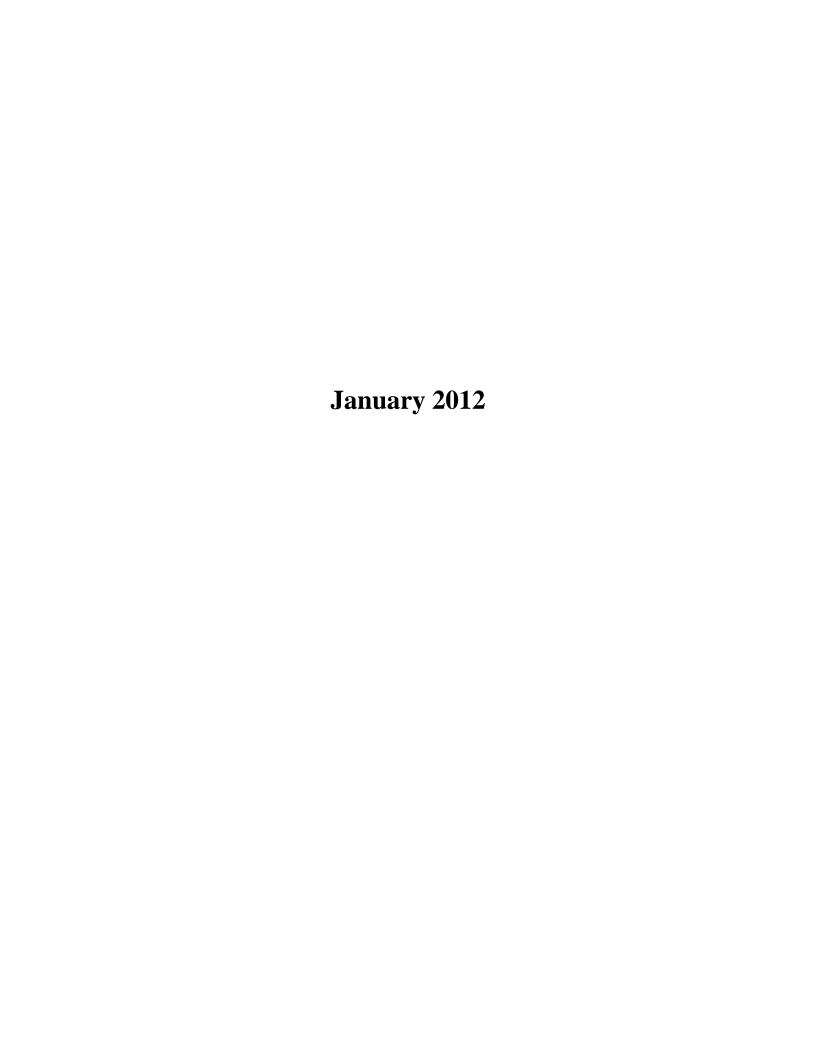


<u>Picture 1784</u> - View of System #2's Variable Frequency Drive (VFD) with a, "Mom Power Loss" alarm.



<u>Picture 1787</u> - View of the pressure gauge on DDC-4 reading 0.5 PSI.

Page 7 of 7



Project:	EA Engineering and Preferred Environmental Services				
Contractors: EA Engineering and Preferred Environmental Services					
EA Engineering Job No:	1447429				
Site No:	152140				
EA Project Manager:	James Hayward				
-					

DAILY REPORT

Day:	s	М	Т	W	TH	F	S
Date:	6-J	an-12					
REPORT No.							
PAGE No.	1						

PREPARED BY:	Thomas Fitzpatrick	TITLE:	Site Rep.

WEATHER	Bright Sun	Partly Cloudy	Overcast	Rain	Snow
TEMP	To 32	32-50	50-70	70-85	85 and up
WIND	Light	Moderate	High		
HUMIDITY	Dry	Moderate	Humid		
WIND DIR	NE	NW	SE	SW	
WIND DIK	N	S	Е	W	

AVERAGE FIELD FORCE

Name of Contractor	Title	Hours Worked	Remarks
Thomas Fitzpatrick	Technician	12:34 - 13:10	Preferred

VISITORS

Name	Time (From - To)	Representing	Remarks
N/A	N/A	N/A	N/A

EQUIPMENT AT THE SITE	I = Idle	VV = VVorking		
1. Camera - W	Pressure Gauges	- W	Vacuum Pump - W	
2. PID - W	Velocity & Temper	ature Meter - W		

OPERATION & MAINTENANCE ACTIVITIES

EA/Preferred Site Representative: Thomas Fitzpatrick - Preferred					
DESCRIPTION OF WORK PERFORMED AND OBSERVED					
12:34 - Preferred on-site. System #1 off since 30 September 2011. System #2 was on upon arrival.					
12:36 - Start of O&M on System #2.					
12:59 - Water from DDC-4 sump was pumped out in an effort to reduce the amount of water within return pipes.					
13:05 - O&M for System #2 is complete.					
13:10 - Preferred locked both systems and all parties off-site. System #1 was left off, while System #2 was left on upon departure.					

x	-	Designates report is continued on additional page	es

EA/Preferred Site Representative: Thomas Fitzpatrick (Preferred) Project Manager: James Hayward Page 1 of 7

EA Engineering

6712 Brooklawn Parkway, Suite 104, Syracuse, New York 13211



National Heatset Printing Site, Farmingdale, NY Contract No., Site No. 152140 Monitoring Table January 6, 2012

DATE: 1/6/12 DAY: Friday TECHNICIAN: Thomas Fitzpatrick

Weather: 45 Deg. Partly Cloudy

TCE Groundwater Treatment System #1 STATUS: ON **OFF** * System was left off 9-30-11 due to a high pitched noise emanating from the lines from within system shed.

I: System Data Collection

Total Run Time Meter Reading: 9,126.4 hours - System Shut down 9-30-11 System Running at N/A Hz.

	Temperature Monitoring									
Time Location		TI-ID	Temperature deg. C	Temperature deg. F	Comments					
	Extracted From Well	TI-01			DDC-1					
	Extracted From Well	TI-02			DDC-2					
	Pre-Heater Outlet	TI-03			Post Shell and Tubing					
	Pre-Heater Input	TI-04			Before Shell and Tubing					
	After Cooler Outlet	TI-05			Post Cooler Reading					
	After Cooler Input	TI-06			Before Cooler Reading					
	Blower Outlet	TI-07			Going to Pre-heater					
	Between GAC Units	TI-08			After GAC #1					
	GAC Unit Output	TI-09			After GAC #2					

			•		
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments
	Extracted From Well	TI-01			DDC-1
	Extracted From Well	TI-02			DDC-2
	Pre-Heater Outlet	TI-03			Post Shell and Tubing
	Pre-Heater Input	TI-04			Before Shell and Tubing
	After Cooler Outlet	TI-05			Post Cooler Reading
	After Cooler Input	TI-06			Before Cooler Reading
	Blower Outlet	TI-07			Going to Pre-heater
	Between GAC Units	TI-08			After GAC #1
	GAC Unit Output	TI-09			After GAC #2

		Pressure/Va	acuum Monitoring	
Time	Location	PI/VI-ID	Pressure	Comments
	Discharge to Well	PI-01	PSI	DDC-1
	Discharge to Well	PI-02	PSI	DDC-2
	Drum	PI-03	in. H2O	Vacuum Reading Going to Blower

	Flow Readings				
Time	IF-ID	Location	Flow (SCFM)		
	FI-01	Extracted From DDC-1			
	FI-02	Extracted From DDC-2			

1) Flow meter F0-1 was not functioning

Weather: 45 Deg. Partly Cloudy

TCE Groundwater Treatment System #1 - System shut down 9-30-11 due to high pitch noise emanating from system GAC Unit Information

	Influent Po	rt
TIME	PID VOC ppm	Temp Deg. F

Comments: None

Between	GAC	Unit #1	and	GAC	Unit #2

TIME	PID VOC ppm	Temp Deg. F

Comments: None

	Effluent Port	
TIME	PID VOC ppm	Temp Deg. F

Comments: None

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-1	Not inspected.
DDC-2	Not inspected.

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-1	No sump associated with this well.
DDC-2	Not inspected.

	Liquid Levels in Knock-Out Tanks
ŀ	Comments: N/A
ı	
ı	
ı	

Oil Level on Blower

Comments: Oil levels were good. Oil was changed on 8/17/11 with Omega SB-220 oil.

Addition Comments:	None	ı

III: System Evaluation

System is operating satisfactorily
EA recommends / implements the following

N	J/A

DATE: 1/6/12 DAY: Friday TECHNICIAN: Thomas Fitzpatrick

Weather: 45 Deg. Partly Cloudy

GWTT EQUIPMENT INFORMATION

TCE Groundwater Treatment System #2 STATUS: ON OFF

I: System Data Collection

Total Run Time Meter Reading: <u>10,878.7</u> hours System Running at <u>41.0</u> Hz.

	Temperature Monitoring						
Time Location TI-ID Temperature deg. C deg. F					Comments		
12:40	Carbon Unit Inlet	CA01	17.0	62.6	Carbon Unit #1		
12:38	Pre-Heater	PHA01	29.4	85.0	After Shell and Tubing		
12:39	Blower Panel	B01	68.3	155.0	Exiting Blower		
12:38	After Cooler Outlet	AC01	33.3	92.0	Post Cooler Piping		
12:39	Pre-Heater	PHB01	58.9	138.0	Before Shell and Tubing		

	Pressure/Vacuum Monitoring						
Time	Location	TI-ID	Pressure	Comments			
12:38	Knock-Out Tank	T01	-0.0 in. Hg	Vacuum gauge on knock-out tank			
12:40	Carbon-Unit #1 Outlet	CA1	-4.6 in. Hg	Vacuum exiting GAC #1			
12:38	Discharge to Wells	WD2	3.3 PSI	Pressure reading on piping prior to splicing off to both wells			
12:39	Blower Panel	BP01	-1.0 in. Hg	Vacuum coming off of blower			
12:39	Carbon Unit #2 Outlet	CA2	-4.1 in. Hg	Vacuum exiting GAC #2			
12:53	DDC-3	N/A	0.5 PSI	Pressure gauge on well head			
12:58	DDC-4	N/A	0.4 PSI	Pressure gauge on well head			

Flow Readings							
Time	TI-ID	Flow (CFM)					
12:37	WD01	Injected Air to DDC-3	188				
12:37	WD02	140					
_							

Comments: None

Weather: 45 Deg. Partly Cloudy

TCE Groundwater Treatment System #2

Influent Port GAC#1

	Illiacit i oit ononi						
TIME	PID VOC ppm	Temp Deg. F					
12:45	3.3	65.1					

Comments: None

GAC Unit Information

Influent Port GAC#2

TIME	PID VOC ppm	Temp Deg. F	
12:48	2.9	67.6	

Comments: None

Effluent						
TIME	PID VOC ppm	Temp Deg. F				
12:51	2.0	66.0				

Comments: None

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-3	Bubbling was sufficient.
DDC-4	Bubbling was sufficient.

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-3	1-inch of water detected in this sump
DDC-4	Over 1 foot of water in this sump

Addition Comments:

Water was noted to be over a foot in the sump associated with DDC-4. Water was discharged from the sump via a whale pump. The lines leading back to the system shed most likely contain water.

Liquid Levels in Knock-Out Tanks

Comments: 3-inches of water observed within site glass.

Oil Level on Blower
Comments: Oil levels were good. Oil was changed on 8/17/11 with Omega SB-220 oil.

III: System Evaluation

System is operating satisfactorily EA recommends / implements the following.

IV: Sampling / Lab Data

N/A

PHOTOGRAPHIC LOG

Date: 1-6-12 EA Job No.

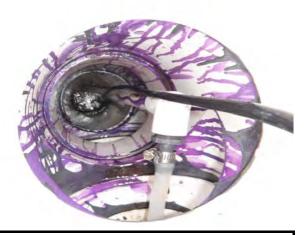
National Heatset Printing Site

РНОТО	DATE	TIME	DESCRIPTION	COMMENTS
Picture 528	1/6/2012	12:34 PM	System #2 was running upon arrival.	
Picture 536	1/6/2012	12:59 PM	The sump associated to DDC-4 was observed to contain over a foot of water. This water was pumped out in an effort to reduce the amount of water within return pipes.	

Page 6 of 7

Photos (1.6.12)





<u>Picture 536</u> - The sump associated to DDC-4 was observed to contain over a foot of water. This water was pumped out in an effort to reduce the amount of water within return pipes.

	Engineering and Preferred Environmental Service						
Contractors: EA Engineering and Preferred Environmental Services							
EA Engineering Joh No.							
EA Engineering Job No: 1447							
Site No: 1521							
EA Project Manager: Jam	es Hayward						
	DAILY REPORT						
Day: S	M T W TH F S	WEATHER	Bright Sun	Partly Cloudy	Overcast	Rain	Snow
Date: 12-J	Jan-12	TEMP	To 32	32-50	50-70	70-85	85 and up
REPORT No.		WIND	Light	Moderate	High		
PAGE No. 1		HUMIDITY	Dry	Moderate	Humid		
<u> </u>		MIND DID	NÉ	NW	SE	SW	
PREPARED BY: Tho	mas Fitzpatrick TITLE: Site Rep.	WIND DIR	N	S	Е	W	
AVERAGE FIELD FORCE Name of Contractor Thomas Fitzpatrick	Title Technician	Hours Worked 9:48 - 10:40				arks erred	
VISITORS							
Name	Time (From - To)	Representing				arks	
N/A	N/A	N/A			N	/A	
EQUIPMENT AT THE SITE		Working					
1. Camera - W	Pressure Gauges - W Velocity & Temperature Meter	5. Vacuum Pur	ıp - W]		
2. PID - W	4. Velocity & Temperature Meter	- VV					
OPERATION & MAINTENAL							
	NCE ACTIVITIES ive: Thomas Fitzpatrick - Preferred						
	ive: Thomas Fitzpatrick - Preferred	ORK PERFORMED AND OBS	ERVED				
EA/Preferred Site Representati 9:48 - Preferred on-site. System #1 was off position. System #2 was running upon	ive: Thomas Fitzpatrick - Preferred DESCRIPTION OF WC s left off during the O&M visit of 9-30-11 and it wa	DRK PERFORMED AND OBS		panel has been	removed, whil	e the knife	e switch is still in th
EA/Preferred Site Representati 9:48 - Preferred on-site. System #1 was off position. System #2 was running upo 9:58 - Start of O&M on System #2.	DESCRIPTION OF WO s left off during the O&M visit of 9-30-11 and it wa on arrival.	is noted that the lock on the electrical	al service		removed, whil	e the knife	e switch is still in the
EA/Preferred Site Representati 9:48 - Preferred on-site. System #1 was off position. System #2 was running up 9:58 - Start of O&M on System #2. 10:25 - Water from within the sump ass	DESCRIPTION OF WO s left off during the O&M visit of 9-30-11 and it wa on arrival. becoated with DDC-4 was pumped out in an effort it	is noted that the lock on the electrical	al service		removed, whil	e the knife	e switch is still in the
EA/Preferred Site Representati 9:48 - Preferred on-site. System #1 was off position. System #2 was running upo 9:58 - Start of O&M on System #2. 10:25 - Water from within the sump ass 10:35 - O&M for System #2 is complete	DESCRIPTION OF WO s left off during the O&M visit of 9-30-11 and it wa on arrival. becoated with DDC-4 was pumped out in an effort it	is noted that the lock on the electrical to reduce the amount of water within	al service		removed, whil	e the knife	e switch is still in th

EA/Preferred Site Representative: Thomas Fitzpatrick (Preferred) Project Manager: James Hayward Page 1 of 7

EA Engineering

6712 Brooklawn Parkway, Suite 104, Syracuse, New York 13211



National Heatset Printing Site, Farmingdale, NY Contract No., Site No. 152140 Monitoring Table January 12, 2012

DATE: 1/12/12 DAY: Thursday TECHNICIAN: Thomas Fitzpatrick

Weather: 50 Deg. Rain

TCE Groundwater Treatment System #1

STATUS: ON

OFF * System shutdown since 30 September 2011 due to a high

pitched noise emanating from blower.

I: System Data Collection

Total Run Time Meter Reading: $\underline{9,126.4}$ hours - System Shut down 9-30-11 System Running at $\underline{\text{N/A}}$ Hz.

Temperature Monitoring							
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments		
	Extracted From Well	TI-01			DDC-1		
	Extracted From Well	TI-02			DDC-2		
	Pre-Heater Outlet	TI-03			Post Shell and Tubing		
	Pre-Heater Input	TI-04			Before Shell and Tubing		
	After Cooler Outlet	TI-05			Post Cooler Reading		
	After Cooler Input	TI-06			Before Cooler Reading		
	Blower Outlet	TI-07			Going to Pre-heater		
	Between GAC Units	TI-08			After GAC #1		
	GAC Unit Output	TI-09			After GAC #2		

Flow Readings			
Time	IF-ID	Location	Flow (SCFM)
	FI-01	Extracted From DDC-1	
	FI-02	Extracted From DDC-2	

Comments

1) Flow meter F0-1 was not functioning

	Pressure/Vacuum Monitoring				
Time	Location	PI/VI-ID	Pressure	Comments	
	Discharge to Well	PI-01	PSI	DDC-1	
	Discharge to Well	PI-02	PSI	DDC-2	
	Drum	PI-03	in. H2O	Vacuum Reading Going to Blower	

TCE Groundwater Treatment System #1 - System shut down 9-30-11 due to high pitch noise emanating from system GAC Unit Information

	nfluent Po	rt
TIME	PID VOC ppm	Temp Deg. F
Comments:	None	

Between GAC Unit #1 and GAC Unit #2

TIME	PID VOC ppm	Temp Deg. F

THVIL	ppm	F	
Comments:	None		•

	Effluent Port	
TIME	PID VOC ppm	Temp Deg.
O		

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-1	Not inspected.
DDC-2	Not inspected.

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-1	No sump associated with this well.
DDC-2	Not inspected.

ıks

Oil Level on Blower
Comments: Oil levels were good. Oil was changed on
8/17/11 with Omega SB-220 oil.
-

Addition Comments:	None
--------------------	------

III: System Evaluation

System is operating satisfactorily
EA recommends / implements the following

N/A

DATE: 1/12/12 DAY: Thursday TECHNICIAN: Thomas Fitzpatrick

Weather: 50 Deg. Rain

10:25 DDC-4

GWTT EQUIPMENT INFORMATION

Pressure gauge on well head

TCE Groundwater Treatment System #2 STATUS: ON OFF

I: System Data Collection

Total Run Time Meter Reading: <u>11,020.1</u> hours System Running at <u>41.0</u> Hz.

	Temperature Monitoring								
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments				
10:01	Carbon Unit Inlet	CA01	18.0	64.4	Carbon Unit #1				
10:00	Pre-Heater	PHA01	30.6	87.0	After Shell and Tubing				
10:00	Blower Panel	B01	71.1	160.0	Exiting Blower				
10:00	After Cooler Outlet	AC01	30.3	86.5	Post Cooler Piping				
10:02	Pre-Heater	PHB01	62.8	145.0	Before Shell and Tubing				

Pressure/Vacuum Monitoring							
Pressure/vacuum Monitoring							
Time	Location	TI-ID	Pressure	Comments			
10:00	Knock-Out Tank	T01	-1.5 in. Hg	Vacuum gauge on knock-out tank			
10:01	Carbon-Unit #1 Outlet	CA1	-5.5 in. Hg	Vacuum exiting GAC #1			
			3.1 PSI	Pressure reading on piping prior			
10:00	Discharge to Wells	WD2		to splicing off to both wells			
10:01	Blower Panel	BP01	-1.4 in. Hg	Vacuum coming off of blower			
10:00	Carbon Unit #2 Outlet	CA2	-5.0 in. Hg	Vacuum exiting GAC #2			
10:20	DDC-3	N/A	0.4 PSI	Pressure gauge on well head			

N/A

0.4 PSI

	Flow Readings							
	Time	TI-ID	Flow (CFM)					
	9:59	WD01	185					
	9:59	WD02	115					
•								

Comments: None

Weather: 50 Deg. Rain

TCE Groundwater Treatment System #2

Influent Port GAC#1

illiacit i oit ononi							
TIME	PID VOC ppm	Temp Deg. F					
10:05	4.6	59.7					

Comments: None

GAC Unit Information

Influent Port GAC#2

TIME	TIME PID VOC ppm	
10:09	5.2	64.0
O	1	

 TIME
 PID VOC ppm
 Temp Deg. F

 10:12
 2.0
 64.7

Effluent

Comments: None

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-3	Bubbling was sufficient.
DDC-4	Bubbling was sufficient.

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-3	1-inch of water detected in this sump
DDC-4	Over 1 foot of water in this sump

Addition Comments:

Water was noted to be over a foot in the sump associated with DDC-4. Water was discharged from the sump via a whale pump. The lines leading back to the system shed most likely contain water.

Liquid Levels in Knock-Out Tanks

Comments: No water was observed within site-glass.

Oil Level on Blower
Comments: Oil levels were good. Oil was changed on 8/17/11 with Omega SB-220 oil.

III: System Evaluation

System is operating satisfactorily
EA recommends / implements the following....

IV: Sampling / Lab Data

N/A

PHOTOGRAPHIC LOG

Date: 1-12-12 EA Job No.

National Heatset Printing Site

РНОТО	DATE	TIME	DESCRIPTION	COMMENTS
Picture 530	1/12/2012	9:58 AM	The knock-out tank in System #2 had no water within its site-glass.	
Picture 534	1/12/2012	10:09 AM	Efffluent air within the three sample ports in System #2 were screened.	

Page 6 of 7

Photos (1.12.12)



<u>Picture 530</u> - The knock-out tank in System #2 had no water within its site-glass.



<u>Picture 534 -</u> Efffluent air within the three sample ports in System #2 were screened.

	A Engineering and Preferred Environmental S	Services					
	A Engineering and Preferred Environmental S						
_							
EA Engineering Job No: 14							
Site No: 15							
EA Project Manager: Jai	mes Hayward						
	DAILY REPO	<u>RT</u>					
Day: S	M T W TH F S	WEATHER	Bright Sun	Partly Cloudy	Overcast	Rain	Snow
Date: 18	-Jan-12	TEMP	To 32	32-50	50-70	70-85	85 and up
REPORT No.		WIND	Light	Moderate	High		
PAGE No. 1		HUMIDITY	Dry	Moderate	Humid		
		WIND DIR	NE	NW	SE	SW	
PREPARED BY: Th	nomas Fitzpatrick TITLE: Site Rep.		N	S	Е	W	
VERAGE FIELD FORCE							
Name of Contractor	Title	Hours Worked				arks	
Thomas Fitzpatrick	Technician	9:17 - 10:03			Prefe	erred	
ISITORS							
Name	Time (From - To)	Representing				arks	
	N/A				N.	/A	
N/A	I IV/A	N/A					
QUIPMENT AT THE SITE	E I = Idle	W = Working	nn - W		1		
QUIPMENT AT THE SITE		W = Working [5. Vacuum Pum	np - W		1		
QUIPMENT AT THE SITE Camera - W PID - W	I = Idle 3. Pressure Gauges - W 4. Velocity & Temperature	W = Working [5. Vacuum Pum	np - W		1		
QUIPMENT AT THE SITE Camera - W PID - W PERATION & MAINTENA	E I = Idle 3. Pressure Gauges - W 4. Velocity & Temperature	W = Working [5. Vacuum Pum	np - VV		l		
QUIPMENT AT THE SITE Camera - W PID - W PERATION & MAINTENA	I = Idle 3. Pressure Gauges - W 4. Velocity & Temperature	W = Working [5. Vacuum Pum	np - W		1		
QUIPMENT AT THE SITE Camera - W PID - W PERATION & MAINTENA	E I = Idle 3. Pressure Gauges - W 4. Velocity & Temperature ANCE ACTIVITIES tive: Thomas Fitzpatrick - Preferred	W = Working 5. Vacuum Pum Meter - W			l		
QUIPMENT AT THE SITE Camera - W PID - W PERATION & MAINTEN/ WPreferred Site Representa	E I = Idle 3. Pressure Gauges - W 4. Velocity & Temperature ANCE ACTIVITIES titive: Thomas Fitzpatrick - Preferred DESCRIPTION O	W = Working 5. Vacuum Pum Meter - W F WORK PERFORMED AND OBS			1		
QUIPMENT AT THE SITE Camera - W PID - W PERATION & MAINTENA VPreferred Site Representa	E I = Idle 3. Pressure Gauges - W 4. Velocity & Temperature ANCE ACTIVITIES tive: Thomas Fitzpatrick - Preferred	W = Working 5. Vacuum Pum Meter - W F WORK PERFORMED AND OBS			1		
QUIPMENT AT THE SITE Camera - W PID - W PERATION & MAINTENA A/Preferred Site Representa 17 - Preferred on-site. System #1 of 19 - Start of O&M on System #2.	I = Idle 3. Pressure Gauges - W 4. Velocity & Temperature ANCE ACTIVITIES ANCE Thomas Fitzpatrick - Preferred DESCRIPTION O ff since 30 September 2011. System #2 open	W = Working 5. Vacuum Pum Meter - W			1		
QUIPMENT AT THE SITE Camera - W PID - W PERATION & MAINTENA A/Preferred Site Representa 17 - Preferred on-site. System #1 of 19 - Start of O&M on System #2.	I = Idle 3. Pressure Gauges - W 4. Velocity & Temperature ANCE ACTIVITIES Itive: Thomas Fitzpatrick - Preferred DESCRIPTION O ff since 30 September 2011. System #2 open pumped out in an effort to reduce the amount	W = Working 5. Vacuum Pum Meter - W			1		
QUIPMENT AT THE SITE Camera - W PID - W PERATION & MAINTENA A/Preferred Site Representa 17 - Preferred on-site. System #1 of 19 - Start of O&M on System #2. 50 - Water from DDC-4 sump was p 57 - O&M for System #2 is complete	I = Idle 3. Pressure Gauges - W 4. Velocity & Temperature ANCE ACTIVITIES Itive: Thomas Fitzpatrick - Preferred DESCRIPTION O ff since 30 September 2011. System #2 open pumped out in an effort to reduce the amount	W = Working 5. Vacuum Pum Meter - W	ERVED		1		
QUIPMENT AT THE SITE Camera - W PID - W PERATION & MAINTENA A/Preferred Site Representa 17 - Preferred on-site. System #1 of 19 - Start of O&M on System #2. 50 - Water from DDC-4 sump was p 57 - O&M for System #2 is complete	E I = Idle [3. Pressure Gauges - W 4. Velocity & Temperature ANCE ACTIVITIES Itive: Thomas Fitzpatrick - Preferred DESCRIPTION O Iff since 30 September 2011. System #2 open Description of the system was left of the system with the system was left of the system was left	W = Working 5. Vacuum Pum Meter - W	ERVED				

EA Engineering

6712 Brooklawn Parkway, Suite 104, Syracuse, New York 13211



National Heatset Printing Site, Farmingdale, NY Contract No., Site No. 152140 **Monitoring Table January 18, 2012**

DATE: 1/18/12 DAY: Wednesday TECHNICIAN: Thomas Fitzpatrick

Weather: 45 Deg. Partly Cloudy

TCE Groundwater Treatment System #1 STATUS: ON **OFF** * System was left off 9-30-11 due to a high pitched noise emanating from the lines from within system shed.

I: System Data Collection

Total Run Time Meter Reading: 9,126.4 hours - System Shut down 9-30-11 System Running at N/A Hz.

	Temperature Monitoring								
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments				
	Extracted From Well	TI-01			DDC-1				
	Extracted From Well	TI-02			DDC-2				
	Pre-Heater Outlet	TI-03			Post Shell and Tubing				
	Pre-Heater Input	TI-04			Before Shell and Tubing				
	After Cooler Outlet	TI-05			Post Cooler Reading				
	After Cooler Input	TI-06			Before Cooler Reading				
	Blower Outlet	TI-07			Going to Pre-heater				
	Between GAC Units	TI-08			After GAC #1				
	GAC Unit Output	TI-09			After GAC #2				

Pre-Heater Outlet	TI-03			Post Shell and Tubing		
Pre-Heater Input	TI-04			Before Shell and Tubing		
After Cooler Outlet	TI-05			Post Cooler Reading		
After Cooler Input	TI-06			Before Cooler Reading		
Blower Outlet	TI-07			Going to Pre-heater		
Between GAC Units	TI-08			After GAC #1		
GAC Unit Output	TI-09			After GAC #2		
Pressure/Vacuum Monitoring						

Flow Readings				
Time	IF-ID Location		Flow (SCFM)	
	FI-01	Extracted From DDC-1		
	FI-02	Extracted From DDC-2		

1) Flow meter F0-1 was not functioning

	Pressure/Vacuum Monitoring					
Time Location		PI/VI-ID	Pressure	Comments		
Discharge to Well		PI-01	PSI	DDC-1		
Discharge to Well		PI-02	PSI	DDC-2		
	Drum	PI-03	in. H2O	Vacuum Reading Going to Blower		

Weather: 45 Deg. Partly Cloudy

TCE Groundwater Treatment System #1 - System shut down 9-30-11 due to high pitch noise emanating from system GAC Unit Information

Influent Port						
TIME	PID VOC ppm	Temp Deg. F				
Comments: None						

Between	GAC	Unit #1	and	GAC	Unit #2	

TIME	PID VOC ppm	Temp Deg. F	

Comments: None

Effluent Port					
TIME	PID VOC ppm	Temp Deg. F			

Comments: None

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-1	Not inspected.
DDC-2	Not inspected.

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-1	No sump associated with this well.
DDC-2	Not inspected.

Liquid Levels in Knock-Out Tanks							
Com	ments	s: N/A					Τ

Oil Level on Blower Comments: Oil levels were good. Oil was changed on 8/17/11 with Omega SB-220 oil.

Addition Comments:	None	ı

III: System Evaluation

System is operating satisfactorily
EA recommends / implements the following

N/A	

DATE: 1/18/12 DAY: Wednesday TECHNICIAN: Thomas Fitzpatrick

Weather: 45 Deg. Partly Cloudy

GWTT EQUIPMENT INFORMATION

TCE Groundwater Treatment System #2 STATUS: ON OFF

I: System Data Collection

Total Run Time Meter Reading: <u>11,163.5</u> hours System Running at <u>41.0</u> Hz.

	Temperature Monitoring							
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments			
9:24	Carbon Unit Inlet	CA01	18.0	64.4	Carbon Unit #1			
9:22	Pre-Heater	PHA01	29.4	85.0	After Shell and Tubing			
9:23	Blower Panel	B01	68.3	155.0	Exiting Blower			
9:22	After Cooler Outlet	AC01	27.8	82.0	Post Cooler Piping			
9:23	Pre-Heater	PHB01	57.8	136.0	Before Shell and Tubing			

	Pressure/Vacuum Monitoring							
Time	Location	TI-ID	Pressure	Comments				
9:22	Knock-Out Tank	T01	-0.5 in. Hg	Vacuum gauge on knock-out tank				
9:24	Carbon-Unit #1 Outlet	CA1	-5.0 in. Hg	Vacuum exiting GAC #1				
9:22	Discharge to Wells	WD2	3.2 PSI	Pressure reading on piping prior to splicing off to both wells				
9:23	Blower Panel	BP01	-0.9 in. Hg	Vacuum coming off of blower				
9:24	Carbon Unit #2 Outlet	CA2	-4.4 in. Hg	Vacuum exiting GAC #2				
9:39	DDC-3	N/A	0.5 PSI	Pressure gauge on well head				
0.45	DDC-4	N/A	0.4 PSI	Pressure gauge on well head				

	Flow Readings							
	Time	TI-ID	Location	Flow (CFM)				
	9:21	WD01	Injected Air to DDC-3	182				
	9:21	WD02	Injected Air to DDC-4	136				
•	2							

Comments: None

Weather: 45 Deg. Partly Cloudy

TCE Groundwater Treatment System #2

Influent Port GAC#1

TIME	PID VOC ppm	Temp Deg. F					
9:28	3.6	59.1					

Comments: None

GAC Unit Information

Influent Port GAC#2

TIME	PID VOC ppm	Temp Deg. F
9:32	3.7	64.7

9:34 Comments: None

TIME

PID VOC

ppm

Temp Deg.

64.5

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-3	Bubbling was sufficient.
DDC-4	Bubbling was sufficient.

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-3	A half an inch of water detected in this sump
DDC-4	Over 1 foot of water in this sump

Addition Comments:

Water was noted to be over a foot in the sump associated with DDC-4. Water was discharged from the sump via a whale pump. The lines leading back to the system shed most likely contain water.

Liquid Levels in Knock-Out Tanks

Comments: 5.5-inches of water was observed within site glass upon arrival. At 9:48 the site glass was re-gauged and was observed to be free of water.

Oil Level on Blower
Comments: Oil levels were good. Oil was changed on 8/17/11 with Omega SB-220 oil.

III: System Evaluation

System is operating satisfactorily

EA recommends / implements the following....

IV: Sampling / Lab Data

N/A

PHOTOGRAPHIC LOG

Date: 1-18-12 **EA Job No.**

National Heatset Printing Site

РНОТО	DATE	TIME	DESCRIPTION	COMMENTS
Picture 529	1/18/2012	9:39 AM	The sump associated with DDC-3 was observed to only contain a half inch of water.	
Picture 532	1/18/2012	10:48 AM	The knock-out tank within System #2 was observed to contain 5.5-inches of water within the site glass upon arrival. During the O&M visit the water was completely discharged from the tank to the DDC-3 well.	

Page 6 of 7

Photos (1.18.12)



<u>Picture 529</u> - The sump associated with DDC-3 was observed to only contain a half inch of water.



<u>Picture 532</u> - The knock-out tank within System #2 was observed to contain 5.5-inches of water within the site glass upon arrival. During the O&M visit the water was completely discharged from the tank to the DDC-3 well.

Page 7 of 7

Project:	EA Engineering and Preferred Environmental Services
Contractors:	EA Engineering and Preferred Environmental Services
EA Engineering Job No:	1447429
Site No:	152140
EA Project Manager:	James Hayward

DAILY REPORT

Day:	S	М	Т	W	TH	F	S
Date:	25-	Jan-	12				
REPORT No.							
PAGE No.	1						
PREPARED BY:	Tho	mas	Fitzpatrick	TIT	ΓLE:	Site Re	p.

WEATHER	Bright Sun	Partly Cloudy	Overcast	Rain	Snow
TEMP	To 32	32-50	50-70	70-85	85 and up
WIND	Light	Moderate	High		_
HUMIDITY	Dry	Moderate	Humid		
WIND DIR	NE	NW	SE	SW	
WIND DIK	Ν	S	Е	W	

AVERAGE FIELD FORCE

Name of Contractor	Title	Hours Worked	Remarks
Thomas Fitzpatrick	Technician	9:53- 11:50	Preferred

VISITORS

Name	Time (From - To)	Representing	Remarks
Rob Peterson	9:53 - 10:40	EA Engineering	N/A

 EQUIPMENT AT THE SITE
 I = Idle
 W = Working

 1. Camera - W
 3. Pressure Gauges - W
 5. Vacuum Pump - W

OPERATION & MAINTENANCE ACTIVITIES

EA/Ductous	and Cita Democratative Thomas Citarativist. Dustaway
EA/Preterre	ed Site Representative: Thomas Fitzpatrick - Preferred
	DESCRIPTION OF WORK PERFORMED AND OBSERVED
9:53 - Preferr	red on-site, System #2 operating. Rob Peterson (EA) already onsite. EA indicated that Gray Electric had already been on-site to confirm that power is being supplied to System #1.
System	m #1 was left off until Wastach Environmental can troubleshoot the system.
10:12 - Start of	of O&M on System #2.
10:40 - EA off	f-site.
10:45 - DDC-	3 sump pump was observed to be consistently running, even if not submerged in water. Preferred attempted to troubleshoot the problem by removing the
pump	o from the sump and inspecting the outer casing for clogs, as well as toggling the power supply.
11:10 - Called	d Rule Pumps' customer support line (978-281-0573) and talked to Neil who instructed Preferred that the pump likely failed due to a circuitry issue. The pump is within its three (3)
year v	warranty, so Rule Pumps will replace existing pump. The sump pump was left off, so that the motor does not burn out.
11:30 - Water	r from DDC-4 sump was pumped out in an effort to reduce the amount of water within return pipes.
11:45 - O&M	for System #2 is complete.
11:50 - Prefer	rred locked both systems and all parties off-site. System #1 was left off, while System #2 was left on upon departure.

x - Designates report is continued on additional pages

EA/Preferred Site Representative: Thomas Fitzpatrick (Preferred) Project Manager: James Hayward Page 1 of 7

EA Engineering

6712 Brooklawn Parkway, Suite 104, Syracuse, New York 13211



National Heatset Printing Site, Farmingdale, NY Contract No., Site No. 152140 Monitoring Table January 25, 2012

DATE: 1/25/12 DAY: Wednesday TECHNICIAN: Thomas Fitzpatrick

Weather: 40 Deg. Partly Cloudy

TCE Groundwater Treatment System #1

STATUS: ON

OFF * System shutdown since 30 September 2011 due to a high

pitched noise emanating from blower.

I: System Data Collection

Total Run Time Meter Reading: $\underline{9.126.4}$ hours - System Shut down 9-30-11 System Running at $\underline{\text{N/A}}$ Hz.

	Temperature Monitoring				
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments
	Extracted From Well	TI-01			DDC-1
	Extracted From Well	TI-02			DDC-2
	Pre-Heater Outlet	TI-03			Post Shell and Tubing
	Pre-Heater Input	TI-04			Before Shell and Tubing
	After Cooler Outlet	TI-05			Post Cooler Reading
	After Cooler Input	TI-06			Before Cooler Reading
	Blower Outlet	TI-07			Going to Pre-heater
	Between GAC Units	TI-08			After GAC #1
	GAC Unit Output	TI-09			After GAC #2

Flow Readings				
Time IF-ID Location		Flow (SCFM)		
	FI-01	Extracted From DDC-1		
	FI-02	Extracted From DDC-2		

Comments:

1) Flow meter F0-1 was not functioning

	Pressure/Vacuum Monitoring				
Time	Location	PI/VI-ID	Pressure	Comments	
	Discharge to Well	PI-01	PSI	DDC-1	
	Discharge to Well	PI-02	PSI	DDC-2	
	Drum	PI-03	in. H2O	Vacuum Reading Going to Blower	

Weather: 40 Deg. Partly Cloudy

TCE Groundwater Treatment System #1 - System shut down 9-30-11 due to high pitch noise emanating from system GAC Unit Information

	nfluent Po	rt
TIME	PID VOC ppm	Temp Deg. F
Comments:	None	

Between	GAC	Unit #1	and (GAC	Unit #2	

TIME	PID VOC ppm	Temp Deg. F

Comments: None

	Effluent Port	
TIME	PID VOC ppm	Temp Deg. F

Comments: None

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Ì	Well#	Comments
	DDC-1	Not inspected.
	DDC-2	Not inspected.

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-1	No sump associated with this well.
DDC-2	Not inspected.

	Liquid	Levels	in Knock	Out Tan	ks
(Comme	ents: N/A			

Oil Level on Blower Comments: Oil levels were good. Oil was changed on 8/17/11 with Omega SB-220 oil.

Addition Comments:	None
Addition Comments.	None

III: System Evaluation

System is operating satisfactorily
EA recommends / implements the following

N/A

DATE: 1/25/12 DAY: Wednesday TECHNICIAN: Thomas Fitzpatrick

Weather: 40 Deg. Partly Cloudy

GWTT EQUIPMENT INFORMATION

TCE Groundwater Treatment System #2 STATUS: ON OFF

I: System Data Collection

Total Run Time Meter Reading: <u>11,332.3</u> hours System Running at <u>41.0</u> Hz.

	Temperature Monitoring								
Time Location TI-ID		Temperature deg. C	Temperature deg. F	Comments					
10:17	Carbon Unit Inlet	CA01	18.0	64.4	Carbon Unit #1				
10:15	10:15 Pre-Heater PHA01		28.9	84.0	After Shell and Tubing				
10:16	Blower Panel	B01	68.3	155.0	Exiting Blower				
10:15	After Cooler Outlet	AC01	28.3	83.0	Post Cooler Piping				
10:16	Pre-Heater	PHB01	57.8	136.0	Before Shell and Tubing				

	Pressure/Vacuum Monitoring								
Time Location TI-ID		Pressure	Comments						
10:14	Knock-Out Tank	T01	-0.8 in. Hg	Vacuum gauge on knock-out tank					
10:17	Carbon-Unit #1 Outlet	CA1	-5.0 in. Hg	Vacuum exiting GAC #1					
10:14	Discharge to Wells	WD2	3.2 PSI	Pressure reading on piping prior to splicing off to both wells					
10:16	Blower Panel	BP01	-0.8 in. Hg	Vacuum coming off of blower					
10:16	Carbon Unit #2 Outlet	CA2	-4.5 in. Hg	Vacuum exiting GAC #2					
10:45	DDC-3	N/A	0.5 PSI	Pressure gauge on well head					
11:00	DDC-4	N/A	0.4 PSI	Pressure gauge on well head					

Flow Readings							
Time	TI-ID	Flow (CFM)					
10:12	WD01	Injected Air to DDC-3	180				
10:12	WD02	Injected Air to DDC-4	126				
_	. N						

Comments: None

Weather: 40 Deg. Partly Cloudy

TCE Groundwater Treatment System #2

Influent Port GAC#1

TIME	PID VOC ppm	Temp Deg. F					
10:21	3.7	62.0					

Comments: None

GAC Unit Information

Influent Port GAC#2

TIME	PID VOC ppm	Temp Deg. F					
10:30	3.7	65.8					
Comments: None							

PID VOC Temp Deg. TIME ppm 10:33 64.3

Effluent

Comments: None

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments					
DDC-3	Bubbling was sufficient.					
DDC-4	Bubbling was sufficient.					

Liquid Levels in Knock-Out Tanks

Comments: 5.5-inches of water was observed within site glass upon arrival. Oil Level on Blower

Comments: Oil levels were good. Oil was changed on 8/17/11 with Omega SB-220 oil.

III: System Evaluation

System is operating satisfactorily

EA recommends / implements the following.

Replace DDC-03 sump pump.

IV: Sampling / Lab Data

N/A

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-3	A half an inch of water detected in this sump
DDC-4	Over 1 foot of water in this sump

Addition Comments:

Water was noted to be over a foot in the sump associated with DDC-4. Water was discharged from the sump via a whale pump. The lines leading back to the system shed most likely contain water.

DDC-3 sump pump was observed to be consistently running, even if not submerged in water. Preferred attempted to troubleshoot the problem by removing the pump from the sump and inspecting the outer casing for clogs, as well as toggling the power supply. Preferred proceeded to call Rule Pumps' customer support line(1978-281-0573) and talk to Neil who instructed Preferred that the pump likely failed due to a circuitry issue. The pump is within its three (3)year warranty, so Rule Pumps will replace existing pump. The sump pump was left off, so that the motor does not burn out.

PHOTOGRAPHIC LOG

Date: 1-25-12 **EA Job No.**

National Heatset Printing Site

РНОТО	DATE	TIME	DESCRIPTION	COMMENTS
Picture 536	1/25/2012	10:15 AM	View of PHA01 temperature gauge reading 84 degrees Fahrenheit.	
Picture 539	1/25/2012	10:45 AM	The sump pump associated with DDC-3 was observed to be consistently running, even if not submerged in water.	

Page 6 of 7

Photos (1.25.12)



<u>Picture 536</u> - View of PHA01 temperature gauge reading 84 degrees Fahrenheit.



<u>Picture 539</u> - The sump pump associated with DDC-3 was observed to be consistently running, even if not submerged in water.

Page 7 of 7

Project: EA	Engineering and Preferred Environmental S	Convisoo							
	Engineering and Preferred Environmental S								
Contractors. <u>Ex</u>	Engineering and Freienda Environmentare	JOI VIOCO							
EA Engineering Job No: 144	7429								
Site No: 152									
EA Project Manager: Jan	nes Hayward								
	DAILY REPO	<u>RT</u>							
Down S	M T WITH F S	 [WEATHER	Bright	Partly	0	D-i-	0	
Day: S	M T W TH F S			Sun	Cloudy	Overcast	Rain	Snow	
Date: 31-	Jan-12	<u>.</u>	TEMP	To 32	32-50	50-70	70-85	85 and up	
REPORT No.			WIND	Light	Moderate	High			
PAGE No. 1		•	HUMIDITY	Dry	Moderate	Humid	0)4/		
DDEDADED BY: The	omas Fitzpatrick TITLE: Site Rep.		WIND DIR	NE N	NW S	SE F	SW		
PREPARED BT. INC	omas Fitzpatrick TTTLE. Site Rep.			IN	5	E	VV		
AVERAGE FIELD FORCE									
Name of Contractor	Title	Hours \			Remarks				
Thomas Fitzpatrick	Technician	9:17-	11:20	20 Preferred					
VISITORS									
Name	Time (From - To)	Repres	senting			Rem	arks		
Rob Peterson	9:30 - 11:20	EA Eng	ineering		N/A				
EQUIPMENT AT THE SITE 1. Camera - W 2. PID - W	I = Idle 3. Pressure Gauges - W 4. Velocity & Temperature !	W = Working Meter - W	5. Vacuum Pum	np - W		l			
OPERATION & MAINTENA									
EA/Preferred Site Representat	ive: Thomas Fitzpatrick - Preferred								
	DESCRIPTION OF	E WORK DEDECTOR	TD AND ODG	EDVES					
9:17 - Preferred on-site System #2 on	erating upon arrival. System #1 off since 30	F WORK PERFORME	ED AND OBS	EKVED					
9:17 - Preferred on-site. System #2 op.	erating upon arrival. System #1 Off Since 30	Gepternuer zu i i.							
9:30 - Rob Peterson (EA) on-site.									
. ,	umped out in an effort to reduce the amount	of water within return pipe	es.						
	•								
40.04 ORM for System #2 is complete	9:52 - Water from DDC-4 sump was pumped out in an effort to reduce the amount of water within return pipes. 10:01 - O&M for System #2 is complete. Preferred joined EA Engineering to assist in the O&M for the on-site SVE system.								
10:01 - Oalvi for System #2 is complete	 e. Preferred joined EA Engineering to assist 	t in the O&M for the on-site	e SVE system.						
	 e. Preferred joined EA Engineering to assist and Preferred off-site. System #1 was left o 			rture. EA	remains on-site				

x - Designates report is continued on additional pages

EA/Preferred Site Representative: Thomas Fitzpatrick (Preferred) Project Manager: James Hayward Page 1 of 7

EA Engineering

6712 Brooklawn Parkway, Suite 104, Syracuse, New York 13211



National Heatset Printing Site, Farmingdale, NY Contract No., Site No. 152140 Monitoring Table January 31, 2012

DATE: 1/31/12 DAY: Tuesday TECHNICIAN: Thomas Fitzpatrick

Weather: 50 Deg. Partly Cloudy

TCE Groundwater Treatment System #1

STATUS: ON

OFF * System shutdown since 30 September 2011 due to a high

pitched noise emanating from blower.

I: System Data Collection

Total Run Time Meter Reading: $\underline{9.126.4}$ hours - System Shut down 9-30-11 System Running at $\underline{\text{N/A}}$ Hz.

	Temperature Monitoring							
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments			
	Extracted From Well	TI-01			DDC-1			
	Extracted From Well	TI-02			DDC-2			
	Pre-Heater Outlet	TI-03			Post Shell and Tubing			
	Pre-Heater Input	TI-04			Before Shell and Tubing			
	After Cooler Outlet	TI-05			Post Cooler Reading			
	After Cooler Input	TI-06			Before Cooler Reading			
	Blower Outlet	TI-07			Going to Pre-heater			
	Between GAC Units	TI-08			After GAC #1			
	GAC Unit Output	TI-09			After GAC #2			

Time	IF-ID	Location	Flow (SCFM)
	FI-01	Extracted From DDC-1	
	FI-02	Extracted From DDC-2	

Comments

1) Flow meter F0-1 was not functioning

	Pressure/Vacuum Monitoring			
Time	Location	PI/VI-ID	Pressure	Comments
	Discharge to Well	PI-01	PSI	DDC-1
	Discharge to Well	PI-02	PSI	DDC-2
	Drum	PI-03	in. H2O	Vacuum Reading Going to Blower

TCE Groundwater Treatment System #1 - System shut down 9-30-11 due to high pitch noise emanating from system GAC Unit Information

	Influent Po	rt
TIME	PID VOC ppm	Temp Deg. F

O	Mana	

Between GAC Unit #1 and GAC Unit #2

TIME	PID VOC ppm	Temp Deg. F

Comments: I	None	

	Effluent Port	
TIME	PID VOC ppm	Temp Deg.

Comments: None

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

	inoposition of tratis, column in 220 trails
Well#	Comments
DDC-1	Not inspected.
DDC-2	Not inspected.

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-1	No sump associated with this well.
DDC-2	Not inspected.

Liquid Levels in Knock-Out Tanks
Comments: N/A

Oil Level on Blower
Comments: Oil levels were good. Oil was changed on
8/17/11 with Omega SB-220 oil.
-

Addition Comments:	None

III: System Evaluation

System is operating satisfactorily
EA recommends / implements the following

N	J/A

DATE: 1/31/12 DAY: Tuesday TECHNICIAN: Thomas Fitzpatrick

Weather: 50 Deg. Partly Cloudy

GWTT EQUIPMENT INFORMATION

TCE Groundwater Treatment System #2 STATUS: ON OFF

I: System Data Collection

Total Run Time Meter Reading: <u>11,475.5</u> hours System Running at <u>41.0</u> Hz.

	Temperature Monitoring						
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments		
9:23	Carbon Unit Inlet	CA01	25.0	77.0	Carbon Unit #1		
9:22	Pre-Heater	PHA01	33.3	92.0	After Shell and Tubing		
9:23	Blower Panel	B01	73.9	165.0	Exiting Blower		
9:21	After Cooler Outlet	AC01	36.1	97.0	Post Cooler Piping		
9:22	Pre-Heater	PHB01	65.0	149.0	Before Shell and Tubing		

	Pressure/Vacuum Monitoring							
Time	Location	TI-ID	Pressure	Comments				
9:21	Knock-Out Tank	T01	-0.5 in. Hg	Vacuum gauge on knock-out tank				
9:24	Carbon-Unit #1 Outlet	CA1	-4.9 in. Hg	Vacuum exiting GAC #1				
9:21	Discharge to Wells	WD2	3.2 PSI	Pressure reading on piping prior to splicing off to both wells				
9:23	Blower Panel	BP01	-1.4 in. Hg	Vacuum coming off of blower				
9:23	Carbon Unit #2 Outlet	CA2	-4.2 in. Hg	Vacuum exiting GAC #2				
9:35	DDC-3	N/A	0.4 PSI	Pressure gauge on well head				
0.50	DDC-4	N/A	0.4 PSI	Pressure gauge on well head				

	Flow Readings							
Time TI-ID		Location	Flow (CFM)					
9:20	WD01	Injected Air to DDC-3	168					
9:20	WD02	Injected Air to DDC-4	112					

Comments: None

Weather: 50 Deg. Partly Cloudy

TCE Groundwater Treatment System #2

Influent Port GAC#1

TIME	PID VOC ppm	Temp Deg. F
9:26	5.8	65.4

Comments: None

GAC Unit Information

Influent Port GAC#2

TIME	PID VOC ppm	Temp Deg.
9:28	5.7	68.5

	Effluent						
TIME	PID VOC ppm	Temp Deg F					
9:30	4.1	69.7					

Comments: None

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-3	Bubbling was sufficient.
DDC-4	Bubbling was sufficient.

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-3	Over 1 foot of water in this sump
DDC-4	Over 1 foot of water in this sump

Addition Comments:

Water was noted to be over a foot in DDC-4 and DDC-3 sumps. Water was discharged from the sump via a whale pump. The lines leading back to the system shed most likely contain water.

Liquid Levels in Knock-Out Tanks Comments: No water was observed

within site glass.

Oil Level on Blower
Comments: Oil levels were good. Oil was changed on 8/17/11 with Omega SB-220 oil.

III: System Evaluation

System is operating satisfactorily EA recommends / implements the following.

IV: Sampling / Lab Data

N/A

PHOTOGRAPHIC LOG

Date: 1-31-12 **EA Job No.**

National Heatset Printing Site

РНОТО	DATE	TIME	DESCRIPTION	COMMENTS
Picture 528	1/31/2012	9:19 AM	System #2 was observed to be running upon arrival.	
Picture 532	1/31/2012	9:21 AM	View of T01, vacuum gauge attached to knock-out tank within System #2, reading -0.5 in.Hg.	

Page 6 of 7

Photos (1.31.12)

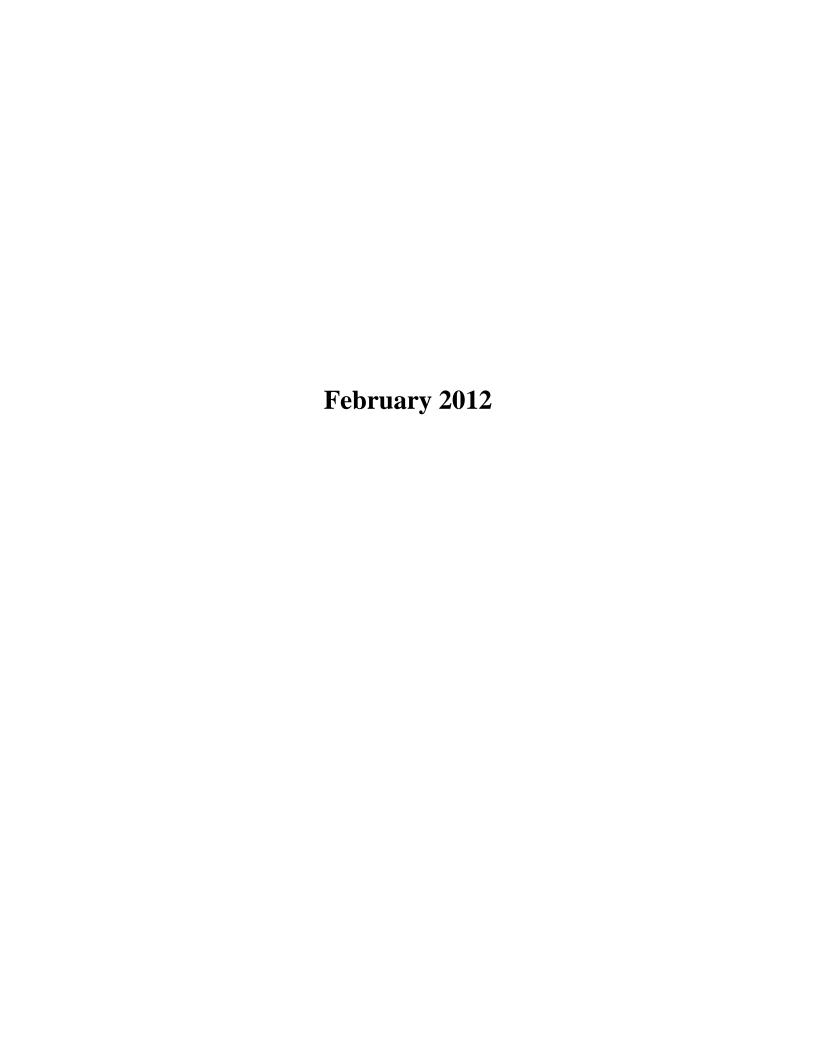


Picture 528 -System #2 was observed to be running upon arrival.



<u>Picture 532</u> - View of T01, vacuum gauge attached to knock-out tank within System #2, reading -0.5 in.Hg.

Page 7 of 7



· -	Engineering and Preferred Environme		NY - Site Manage	ement				
Contractors.	Engineering and Freienda Environme	Sittal Gel Vices						
EA Engineering Job No: 144								
Site No: 152								
EA Project Manager: Jan	mes Hayward							
	DAILY REPO	<u>PRT</u>						
Day: S	M T W TH F S]	WEATHER	Bright Sun	Partly Cloudy	Overcast	Rain	Snow
Date: 8-F	eb-12	<u>-</u>	TEMP	To 32	32-50	50-70	70-85	85 and up
REPORT No.		- -	WIND	Light	Moderate	High		
PAGE No. 1		_	HUMIDITY	Dry	Moderate	Humid		
		_	WIND DIR	NE	NW	SE	SW	
PREPARED BY: Rol	b Peterson TITLE: Geologist	_		N	S	Е	W	
VERAGE FIELD FORCE								
Name of Contractor	Title	Hours	Worked		Remarks			
Rob Peterson	Geologist	11:15	- 12:05			EA Engi	ineering	
ISITORS								
		Representing		Remarks				
Name	Time (From - To)							
Name N/A	Time (From - To) N/A		senting I/A			Rem N/		
N/A EQUIPMENT AT THE SITE	N/A I = Idle		I/A	nn - W				
N/A	N/A	W = Working		np - W				
N/A EQUIPMENT AT THE SITE Camera - W PID - W PPERATION & MAINTENA	N/A I = Idle 3. Pressure Gauges - W 4. Velocity & Temperature	W = Working	I/A	np - W				
N/A QUIPMENT AT THE SITE Camera - W PID - W PERATION & MAINTENA	N/A I = Idle 3. Pressure Gauges - W 4. Velocity & Temperature	W = Working	I/A	np - W				
N/A QUIPMENT AT THE SITE Camera - W PID - W PERATION & MAINTENA	N/A I = Idle 3. Pressure Gauges - W 4. Velocity & Temperature ANCE ACTIVITIES tive: Rob Peterson - EA	W = Working	J. Vacuum Pum	•	D			
N/A QUIPMENT AT THE SITE Camera - W PID - W PERATION & MAINTENA A/Preferred Site Representat	N/A I = Idle 3. Pressure Gauges - W 4. Velocity & Temperature ANCE ACTIVITIES tive: Rob Peterson - EA	W = Working Meter - W	J. Vacuum Pum	•	D			
N/A QUIPMENT AT THE SITE Camera - W PID - W PPERATION & MAINTENA A/Preferred Site Representat 1:15 - Rob Peterson (EA) onsite. Sys 1:25 - Start of System #2 O&M.	N/A I = Idle 3. Pressure Gauges - W 4. Velocity & Temperature ANCE ACTIVITIES tive: Rob Peterson - EA DESCRIPTION	W = Working Meter - W	J. Vacuum Pum	•	D			
N/A CQUIPMENT AT THE SITE Camera - W PID - W PPERATION & MAINTENA A/Preferred Site Representat 1:15 - Rob Peterson (EA) onsite. Sys 1:25 - Start of System #2 O&M. 2:00 - System #2 O&M complete.	N/A I = Idle 3. Pressure Gauges - W 4. Velocity & Temperature ANCE ACTIVITIES tive: Rob Peterson - EA DESCRIPTION stem #1 was left off during the O&M vis	W = Working Meter - W OF WORK PERFOR sit of 9-30-11.	5. Vacuum Pum	3SERVE		N/		
N/A QUIPMENT AT THE SITE Camera - W PID - W PERATION & MAINTENA A/Preferred Site Representat 1:15 - Rob Peterson (EA) onsite. Sys 1:25 - Start of System #2 O&M. 2:00 - System #2 O&M complete. 2:03 - System #1 still has power. Sys	N/A I = Idle 3. Pressure Gauges - W 4. Velocity & Temperature ANCE ACTIVITIES tive: Rob Peterson - EA DESCRIPTION stem #1 was left off during the O&M vis	W = Working Meter - W OF WORK PERFOR sit of 9-30-11.	5. Vacuum Pum	3SERVE		N/		
N/A QUIPMENT AT THE SITE Camera - W PID - W PERATION & MAINTENA A/Preferred Site Representat 115 - Rob Peterson (EA) onsite. Sys :25 - Start of System #2 O&M. :00 - System #2 O&M complete. :03 - System #1 still has power. Sys :05 - EA checked SVE System. Sys	N/A I = Idle 3. Pressure Gauges - W 4. Velocity & Temperature ANCE ACTIVITIES tive: Rob Peterson - EA DESCRIPTION stem #1 was left off during the O&M vis stem will be restarted once blower and stem still running properly.	W = Working Meter - W OF WORK PERFOR sit of 9-30-11.	5. Vacuum Pum	3SERVE		N/		
N/A QUIPMENT AT THE SITE Camera - W PID - W PERATION & MAINTENA A/Preferred Site Representat :15 - Rob Peterson (EA) onsite. Sys :25 - Start of System #2 O&M. :00 - System #2 O&M complete.	N/A I = Idle 3. Pressure Gauges - W 4. Velocity & Temperature ANCE ACTIVITIES tive: Rob Peterson - EA DESCRIPTION stem #1 was left off during the O&M vis stem still running properly. EA off-site.	W = Working Meter - W OF WORK PERFOR sit of 9-30-11.	S. Vacuum Pum MED AND OE	System of		N/		

EA Engineering

6712 Brooklawn Parkway, Suite 104, Syracuse, New York 13211

National Heatset Printing Site, Farmingdale, NY Contract No., Site No. 152140 Monitoring Table February 08, 2012

Going to Blower

DATE: 02/08/2012 DAY: Wednesday TECHNICIAN: Rob Peterson

Weather: 38F, Overcast

TCE Groundwater Treatment System #1 STATUS: ON OFF *System shutdown since 30 September 2011.

I: System Data Collection

Total Run Time Meter Reading: N/A hours - System Shut down 9-30-11 System Running at N/A Hz.

	Temperature Monitoring							
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments			
	Extracted From Well	TI-01			DDC-1			
	Extracted From Well	TI-02			DDC-2			
	Pre-Heater Outlet	TI-03			Post Shell and Tubing			
	Pre-Heater Input	TI-04			Before Shell and Tubing			
	After Cooler Outlet	TI-05			Post Cooler Reading			
	After Cooler Input	TI-06			Before Cooler Reading			
	Blower Outlet	TI-07			Going to Pre-heater			
	Between GAC Units	TI-08			After GAC #1			
	GAC Unit Output	TI-09			After GAC #2			

	GAC Unit Output	11-09			After GAC #2
		Pressure/V	acuum Monitoring		
Time	Location	PI/VI-ID	Press	ure	Comments
	Discharge to Well	PI-01	P	SI	DDC-1
	Discharge to Well	PI-02	P	SI	DDC-2
	Drum	DI 02	in.	H2O	Vacuum Reading

PI-03

		Flow Readings	
Time IF-ID Location		Flow (SCFM)	
	FI-01	Extracted From DDC-1	
	FI-02	Extracted From DDC-2	

Comments:

1) Flow meter F0-1 was not functioning

TCE Groundwater Treatment System #1 - System shut down 9-30-11 due to high pitch noise emanating from system GAC Unit Information

	nfluent Po	rt
TIME	PID VOC ppm	Temp Deg. F

Comments: None.

Between	GAC	Unit :	#1 aı	nd GA	C Unit #	2

TIME	PID VOC ppm	Temp Deg. F

Comments: None

	Effluent Port	
TIME	PID VOC ppm	Temp Deg. F

Comments: None

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-1	Not inspected.
DDC-2	Not inspected.

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-1	No sump associated with this well.
DDC-2	Not inspected.

Liquid Levels in Knock-Out Tanks
Comments: N/A

Oil Level on Blower

Comments: Oil levels were good. Oil was changed on 8/17/11 with Omega SB-220 oil.

Addition Comments: None	
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III: System Evaluation

System is operating satisfactorily
EA recommends / implements the following

DATE: 02/08/2012 DAY: Wednesday TECHNICIAN: Rob Peterson

Weather: 38F, Overcast

TCE Groundwater Treatment System #2 OFF STATUS: ON

I: System Data Collection

Total Run Time Meter Reading: 11,669.5 hours. System Running at 41.0 Hz.

	Temperature Monitoring							
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments			
11:32	Carbon Unit Inlet	CA01	19.0	66.2	Carbon Unit #1			
11:34	Pre-Heater	PHA01	27.2	81.0	After Shell and Tubing			
11:35	Blower Panel	B01	64.0	110.0	Exiting Blower			
11:33	After Cooler Outlet	AC01	27.2	81.0	Post Cooler Piping			
11:34	Pre-Heater	PHB01	56.7	134.0	Before Shell and Tubing			

	Pressure/Vacuum Monitoring							
Time	Location	TI-ID	Pressure	Comments				
11:31	Knock-Out Tank	T01	-0.5 in. Hg	Vacuum gauge on knock-out tank				
11:33	Carbon-Unit #1 Outlet	CA1	-4.9 in. Hg	Vacuum exiting GAC #1				
11:30	Discharge to Wells	WD2	3.15 PSI	Pressure reading on piping prior to splicing off to both wells				
11:36	Blower Panel	BP01	-0.5 in. Hg	Vacuum coming off of blower				
11:32	Carbon Unit #2 Outlet	CA2	-4.2 in. Hg	Vacuum exiting GAC #2				
11:55	DDC-3	N/A	0.5 PSI	Pressure gauge on well head				
12:00	DDC-4	N/A	0.5 PSI	Pressure gauge on well head				

	Flow Readings					
Time	TI-ID	Flow (CFM)				
11:25	WD01	Injected Air to DDC-3	170			
11:25	WD02	Injected Air to DDC-4	120			

Comments: None

DATE: 02/08/2012 DAY: Wednesday TECHNICIAN: Rob Peterson

Weather: 38F, Overcast

TCE Groundwater Treatment System #2

Influent Port GAC#1

TIME	PID VOC ppm	Temp Deg. F			
11:40	1.8	65.1			

Comments: None

GAC Unit Information

Influent Port GAC#2

TIME	PID VOC ppm	Temp Deg. F	
11:46	0.7	69.8	

None

Effluent						
TIME	PID VOC ppm	Temp Deg. F				
11:50	0.0	64.6				
Comments: None						

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-3	Bubbling was sufficient.
DDC-4	Bubbling was sufficient.

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-3	1-inch of water detected in this sump
DDC-4	5-inches of water detected in sump

Addition Comments:	Water was discharged from DDC-4 sump via a whale pump. The lines leading back to the system shed most likely contain water.
--------------------	---

Liquid Levels in Knock-Out Tanks
Comments: No water was detected within site-glass.

Oil Level on Blower
Comments: Oil levels were good. Oil was changed on 8/17/11 with Omega SB-220 oil.

III: System Evaluation



N/A

B								
	tional Heatset Printing Site - 1 Adams Boule Engineering and Preferred Environmental S		nt					
EA Fasinssian Joh No. 44								
EA Engineering Job No: <u>1447429.0002.6</u> Site No: <u>152140</u>								
EA Project Manager: Jar								
	noo naywara							
	DAILY REPO	<u>RT</u>						
Day: S	M T W TH F S	WEATHER	Bright	Partly	Overcast	Rain	Snow	
Pate: 45		TEMP	Sun To 32	Cloudy 32-50	50-70	70-85		
Date: <u>15-</u> REPORT No.	Feb-12	WIND	Light	Moderate	High	70-85	85 and up	
PAGE No. 1		HUMIDITY	Dry	Moderate	Humid			
FAGE No. 1		-	NE	NW	SE	SW		
PREPARED BY: Ro	b Peterson TITLE: Geologist	WIND DIR	N	S	E	W		
AVERAGE FIELD FORCE								
Name of Contractor	Title	Hours Worked			Rem	arks		
Rob Peterson	Geologist	12:55 - 15:30		EA Engineering				
VISITORS								
Name	Time (From - To)	Representing				arks		
Les Pennington	12:55 - 15:30	Wasatch			No	ne		
EQUIPMENT AT THE SITE	I = Idle I3. Pressure Gauges - W	W = Working [5. Vacuum Purr	an M					
2. PID - W	Velocity & Temperature N		ıp - vv		<u>.</u>			
OPERATION & MAINTENA	OPERATION & MAINTENANCE ACTIVITIES							
EA/Preferred Site Representat								
	DESCRIPTION O	F WORK PERFORMED AND OBS	ERVED					
12:55 - Rob Peterson (EA) and Les Pe DDC-1 and DDC-2 piezometers). See	ennington (Wasatch) onsite. Collected base	eline data from System #1 (run time meter	reading, b	olower oil levels	checked, water	er level m	easurements at	
	allowed to run for 1-hour and equilibrate. Do		to achiev	e proper injecti	on of air into D	DC wells.	Additional	
piezometer measurements collected to determine groundwater flow through DDC well heads. 13:50 - Start System #2 O&M.								
14:35 - System #2 O&M complete. System performing satisfactory.								
14:35 - System #2 O&M complete. Sy	stem performing satisfactory.	15:08 - Start System #1 O&M. No additional adjustments made to system. System performing satisfactory.						
		m performing satisfactory.						
15:08 - Start System #1 O&M. No add								
15:08 - Start System #1 O&M. No add	ditional adjustments made to system. Systete. EA locked both systems and all parties of		iges					
15:08 - Start System #1 O&M. No add	ditional adjustments made to system. Systete. EA locked both systems and all parties of x - Designat	off-site. tes report is continued on additional pa	-	James Haywa	rd		Page 1 of 5	
15:08 - Start System #1 O&M. No add 15:30 - O&M for both systems completed	ditional adjustments made to system. Systete. EA locked both systems and all parties of x - Designat	off-site. tes report is continued on additional pa	-	James Haywa	rd		Page 1 of 5	

EA Engineering

6712 Brooklawn Parkway, Suite 104, Syracuse, New York 13211

National Heatset Printing Site, Farmingdale, NY Contract No., Site No. 152140 Monitoring Table February 08, 2012

DATE: 02/15/2012 TECHNICIAN: Rob Peterson DAY: Wednesday

Weather: 45F, Overcast

TCE Groundwater Treatment System #1 STATUS: ON *System restarted.

I: System Data Collection

Run Time Meter Reading (since last shut down): 1.3 hours *Last shutdown on 09-30-2011

Total Run Time Meter Reading: 9127.7 hours

System Running at: 30.0 Hz

15:11 Discharge to Well

15:10

Temperature Monitoring							
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments		
15:08	Extracted From Well	TI-01	10.0	50.0	DDC-1		
15:08	Extracted From Well	TI-02	9.0	48.2	DDC-2		
15:10	Pre-Heater Outlet	TI-03	18.0	64.4	Post Shell and Tubing		
15:09	Pre-Heater Input	TI-04	10.0	50.0	Before Shell and Tubing		
15:08	After Cooler Outlet	TI-05	25.0	77.0	Post Cooler Reading		
15:09	After Cooler Input	TI-06	31.0	87.8	Before Cooler Reading		
15:09	Blower Outlet	TI-07	41.0	105.8	Going to Pre-heater		
15:12	Between GAC Units	TI-08	19.0	66.2	After GAC #1		
15:12	GAC Unit Output	TI-09	17.0	62.6	After GAC #2		

15:09	Blower Outlet	TI-07	41.0	105.8	Going to Pre-heater
15:12	Between GAC Units	TI-08	19.0	66.2	After GAC #1
15:12	GAC Unit Output	TI-09	17.0	62.6	After GAC #2
		D			
	nr.	Pressure/va	acuum Monitoring		
Time	Location	PI/VI-ID	Press	uro	
	Location	FIVIFID	FIESS	ure	Comments
15:11	Discharge to Well	PI-01	2.8 F		Comments DDC-1

PI-02

PI-03

2.5 PSI

-30.0 in. H2O

Baseline Piezometer Measurements					
Time	Well	DTW (ft)	TD (ft)		
13:00	DDC-1-PD	14.09	82.85		
13.00	DDC-1-PS	14.19	27.60		
13:08	DDC-2-PD	12.99	88.90		
13.06	DDC-2-PS	12.80	25.87		

**Baseline parameters collected prior to restart of system.

Piezometer Measurements					
Time	Well	DTW (ft)	TD (ft)		
14:55	DDC-1-PD	16.28	82.85		
14.55	DDC-1-PS	10.03	27.60		
15:00	DDC-2-PD	15.55	88.90		
13.00	DDC-2-PS	10.00	25.87		

DDC-1

DDC-2 Vacuum Reading

Going to Blower

**Measurements collected after system operated for 1-hour.

Flow Readings				
Time	IF-ID	Location	Flow (SCFM)	
15:13	FI-01	Extracted From DDC-1		
15:13	FI-02	Extracted From DDC-2	190	

1) Flow meter F0-1 not functioning. Air flow visually inspected at DDC-1 well head. Determined that DDC-1 performing satisfactory.

DATE: 02/15/2012 DAY: Wednesday TECHNICIAN: Rob Peterson

Weather: 45F, Overcast

TCE Groundwater Treatment System #1

Influent Port

TIME	PID VOC ppm	Temp Deg. F
15:23	14.6	64.3

Comments: Elevated PID reading due to system being off since 30 September 2011.

GAC Unit Information

Between GAC Unit #1 and GAC Unit #2

TIME	PID VOC ppm	Temp Deg. F
15:17	0.0	69.1

15:20 Comments: None

TIME

Effluent Port PID VOC

ppm

0.0

Γemp Deg.

59.3

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-1	Bubbling in well sufficient.
DDC-2	Bubbling in well sufficient.

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-1	No sump associated with this well.
DDC-2	~6-inches of water detected within sump.

Liquid Levels in Knock-Out Tanks Comments: No water detected in K/O

Oil Level on Blower Comments: Oil levels were good. Oil was changed on 8/17/11 with Omega SB-220 oil.

Addition Comments: System operating satisfactorily upon departure.

III: System Evaluation



System is operating satisfactorily
EA recommends / implements the following....

Replace FO-1 gauge, DDC-2 sump pump, K/O Pump, and three overhead lightbulbs in system trailer.

DATE: 02/15/2012 DAY: Wednesday TECHNICIAN: Rob Peterson

Weather: 45F, Overcast

TCE Groundwater Treatment System #2 OFF STATUS: ON

I: System Data Collection

Total Run Time Meter Reading: 11,839.9 hours. System Running at 41.0 Hz.

_						
	Temperature Monitoring					
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments	
13:59	Carbon Unit Inlet	CA01	19.0	66.2	Carbon Unit #1	
13:57	Pre-Heater	PHA01	27.2	81.0	After Shell and Tubing	
13:58	Blower Panel	B01	64.0	110.0	Exiting Blower	
13:56	After Cooler Outlet	AC01	27.2	81.0	Post Cooler Piping	
13:57	Pre-Heater	PHB01	56.7	134.0	Before Shell and Tubing	

Pressure/Vacuum Monitoring				
Time	Location	TI-ID	Pressure	Comments
13:56	Knock-Out Tank	T01	-0.5 in. Hg	Vacuum gauge on knock-out tank
13:59	Carbon-Unit #1 Outlet	CA1	-4.9 in. Hg	Vacuum exiting GAC #1
13:56	Discharge to Wells	WD2	3.15 PSI	Pressure reading on piping prior to splicing off to both wells
13:57	Blower Panel	BP01	-0.5 in. Hg	Vacuum coming off of blower
13:58	Carbon Unit #2 Outlet	CA2	-4.2 in. Hg	Vacuum exiting GAC #2
14:15	DDC-3	N/A	0.5 PSI	Pressure gauge on well head
14:25	DDC-4	N/A	0.5 PSI	Pressure gauge on well head

	Flow Readings						
Time	Time TI-ID Location		Flow (CFM)				
13:55	WD01	Injected Air to DDC-3	170				
13:55	WD02	Injected Air to DDC-4	120				
_	O						

Comments: None

DATE: 02/15/2012 DAY: Wednesday TECHNICIAN: Rob Peterson

Weather: 45F, Overcast

TCE Groundwater Treatment System #2

Influent Port GAC#1

TIME	PID VOC ppm	Temp Deg. F		
14:02	0.0	71.2		
Comments: None				

GAC Unit Information

Influent Port GAC#2

TIME	PID VOC ppm	Temp Deg. F
14:06	0.0	78.7
Commonto	Mono	

 Effluent

 TIME
 PID VOC ppm
 Temp Deg. F

 14:09
 0.0
 73.1

 Comments: None

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-3	Bubbling was sufficient.
DDC-4	Bubbling was sufficient.

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-3	~5-inches of water detected in sump.
DDC-4	~5-inches of water detected in sump. Sump pump non- operational. See additional comments.

	ater was d np. The lin
--	---------------------------

Water was discharged from DDC-4 sump via a whale pump. The lines leading back to the system shed most likely contained water.

Liquid Levels in Knock-Out Tanks Comments: No water was detected within site-glass.

Oil Level on Blower
Comments: Oil levels were good. Oil was changed on 8/17/11 with Omega SB-220 oil.

III: System Evaluation



N/A

Decidate N	Continue of Discontinue Continue Date	I Family Id. NV 0						
	tional Heatset Printing Site - 1 Adams Boule Engineering and Preferred Environmental S		ite ivianagemer	π				
EA Engineering Job No: 14								
Site No: <u>15</u>								
EA Project Manager: Jai	mes Hayward							
	DAILY REPOR	<u>RT</u>						
Day: S	M T W TH F S	Γ	WEATHER	Bright Sun	Partly Cloudy	Overcast	Rain	Snow
Date: 15	Feh-12	' <u> </u>	TEMP	To 32	32-50	50-70	70-85	85 and up
REPORT No.	100 12	' 	WIND	Light	Moderate	High	. 0 00	00 4.14 45
PAGE No. 1		·	HUMIDITY	Dry	Moderate	Humid		
17.02 110.		·		NE	NW	SE	SW	
PREPARED BY: Ro	b Peterson TITLE: Geologist		WIND DIR	N	S	E	W	
		_			-			
AVERAGE FIELD FORCE								
Name of Contractor	Title	Hours V				Rem	arks	
Rob Peterson	Geologist	14:00 -	15:40			EA Eng	ineering	
VISITORS								
Name None	Time (From - To) NA	Repres					arks A	
EQUIPMENT AT THE SITE	I = Idle [3. Pressure Gauges - W	W = Working	5. Vacuum Pum	np - W		ľ		
2. PID - W	4. Velocity & Temperature N			•				
OPERATION & MAINTENA EA/Preferred Site Representa								_
	DESCRIPTION O	F WORK PERFORME	D AND OBS	ERVED				
	site. System #1 and System #2 operating.							
14:10 - Start System #2 O&M.								
15:10 - System #2 O&M complete. Sy	stem performing satisfactorily.							
15:15 - Start System #1 O&M.								
15:35 - System #1 O&M complete. Sy								
15:40 - O&M for both systems comple	te. EA locked both systems and all parties of	off-site.						
	x - Designat	tes report is continued or	n additional pa	iges				
EA/Preferred Site Representative	/e: Rob Peterson (EA)		Project M	anager:	James Haywa	rd		Page 1 of 5
			•	٠.	•			-

EA Engineering

6712 Brooklawn Parkway, Suite 104, Syracuse, New York 13211

National Heatset Printing Site, Farmingdale, NY Contract No., Site No. 152140 Monitoring Table February 08, 2012

DATE: 02/21/2012 DAY: Tuesday TECHNICIAN: Rob Peterson

Weather: 47F, Partly Cloudy

TCE Groundwater Treatment System #1 STATUS: ON OFF

I: System Data Collection

Total Run Time Meter Reading: 9,273.4 hours System Running at: 30.0 Hz

	Temperature Monitoring						
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments		
15:20	Extracted From Well	TI-01	14.0	57.2	DDC-1		
15:20	Extracted From Well	TI-02	13.0	55.4	DDC-2		
15:22	Pre-Heater Outlet	TI-03	25.0	77.0	Post Shell and Tubing		
15:21	Pre-Heater Input	TI-04	16.0	60.8	Before Shell and Tubing		
15:20	After Cooler Outlet	TI-05	32.0	89.6	Post Cooler Reading		
15:21	After Cooler Input	TI-06	40.0	104.0	Before Cooler Reading		
15:21	Blower Outlet	TI-07	51.0	123.8	Going to Pre-heater		
15:22	Between GAC Units	TI-08	25.0	77.0	After GAC #1		
15:23	GAC Unit Output	TI-09	24.0	75.2	After GAC #2		

	Pressure/Vacuum Monitoring							
Time	Location	PI/VI-ID	Pressure	Comments				
15:19	Discharge to Well	PI-01	2.8 PSI	DDC-1				
15:19	Discharge to Well	PI-02	2.5 PSI	DDC-2				
15:22	Drum	PI-03	-40.0 in. H2O	Vacuum Reading Going to Blower				

Flow Readings					
Time	IF-ID	Location	Flow (SCFM)		
15:18	FI-01	Extracted From DDC-1			
15:18	FI-02	Extracted From DDC-2	190		

Comments:

Flow meter F0-1 not functioning. Air flow visually inspected at DDC-1 well head. Determined that DDC-1 performing satisfactory.

DATE: 02/21/2012 DAY: Tuesday TECHNICIAN: Rob Peterson

Weather: 47F, Partly Cloudy

TCE Groundwater Treatment System #1

Influent Port

- 4	minucint i Oit						
	TIME	PID VOC ppm	Temp Deg. F				
	15:26	2.8	76.7				

Comments: None

GAC Unit Information

Between GAC Unit #1 and GAC Unit #2

TIME	PID VOC ppm	Temp Deg. F
15:30	1.6	78.1

15:34 Comments: None

TIME

Effluent Port PID VOC

ppm

1.8

Temp Deg.

71.3

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-1	Bubbling in well sufficient.
DDC-2	Bubbling in well sufficient.

Inspection of Sumps Associated with DDC Wells

ineposition of Gamps / ideociated with 220 from						
Well#	Comments					
DDC-1	No sump associated with this well.					
DDC-2	~5-inches of water detected within sump. Sump pump non- operational					

Liquid Levels in Knock-Out Tanks Comments: No water detected in K/O

Oil Level on Blower Comments: Oil levels were good. Oil was changed on 8/17/11 with Omega SB-220 oil.

Water was discharged from DDC-4 sump via a whale pump. The lines leading back to the system shed most likely contained water. Addition Comments:

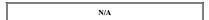
III: System Evaluation



System is operating satisfactorily

EA recommends / implements the following....

Replace FO-1 gauge, DDC-2 sump pump, K/O Pump, and three overhead lightbulbs in system trailer.



DATE: 02/21/2012 DAY: <u>Tuesday</u> TECHNICIAN: Rob Peterson

Weather: 47F, Partly Cloudy

TCE Groundwater Treatment System #2 OFF STATUS: ON

I: System Data Collection

Total Run Time Meter Reading: 11,984.2 hours. System Running at 41.0 Hz.

	Temperature Monitoring						
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments		
14:14	Carbon Unit Inlet	CA01	19.0	66.2	Carbon Unit #1		
14:16	Pre-Heater	PHA01	30.0	86.0	After Shell and Tubing		
14:17	Blower Panel	B01	70.0	158.0	Exiting Blower		
14:15	After Cooler Outlet	AC01	34.4	94.0	Post Cooler Piping		
14:16	Pre-Heater	PHB01	59.4	139.0	Before Shell and Tubing		

	Pressure/Vacuum Monitoring						
Time	Location	TI-ID	Pressure	Comments			
14:14	Knock-Out Tank	T01	-1.0 in. Hg	Vacuum gauge on knock-out tank			
14:14	Carbon-Unit #1 Outlet	CA1	-5.0 in. Hg	Vacuum exiting GAC #1			
14:13	Discharge to Wells	WD2	2.6 PSI	Pressure reading on piping prior to splicing off to both wells			
14:17	Blower Panel	BP01	-1.4 in. Hg	Vacuum coming off of blower			
14:15	Carbon Unit #2 Outlet	CA2	-4.5 in. Hg	Vacuum exiting GAC #2			
14:35	DDC-3	N/A	0.2 PSI	Pressure gauge on well head			
14:40	DDC-4	N/A	0.2 PSI	Pressure gauge on well head			

Flow Readings						
Time	TI-ID	Location	Flow (CFM)			
14:13	WD01	Injected Air to DDC-3	155			
14:13	WD02	Injected Air to DDC-4	165			
_						

Comments: None

DATE: 02/21/2012 DAY: Tuesday TECHNICIAN: Rob Peterson

Weather: 47F, Partly Cloudy

TCE Groundwater Treatment System #2

Influent Port GAC#1

	TIME	PID VOC ppm	Temp Deg. F					
	14:20	3.0	76.3					
(Comments: None							

GAC Unit Information

Influent Port GAC#2

TIME	PID VOC ppm	Temp Deg. F				
14:25	2.0	75.4				
Comments: None						

PID VOC Temp Deg. TIME ppm 70.7 14:30 Comments: None

Effluent

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-3	Bubbling was sufficient.
DDC-4	Bubbling was sufficient.

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-3	~5-inches of water detected in sump.
DDC-4	~7-inches of water detected in sump. Sump pump non- operational. See additional comments.

Addition Comments:

Water was discharged from DDC-4 sump via a whale pump. The lines leading back to the system shed most likely contained water.

Liquid Levels in Knock-Out Tanks Comments: No water was detected within site-glass.

Oil Level on Blower
Comments: Oil levels were good. Oil was changed on 8/17/11 with Omega SB-220 oil.

III: System Evaluation

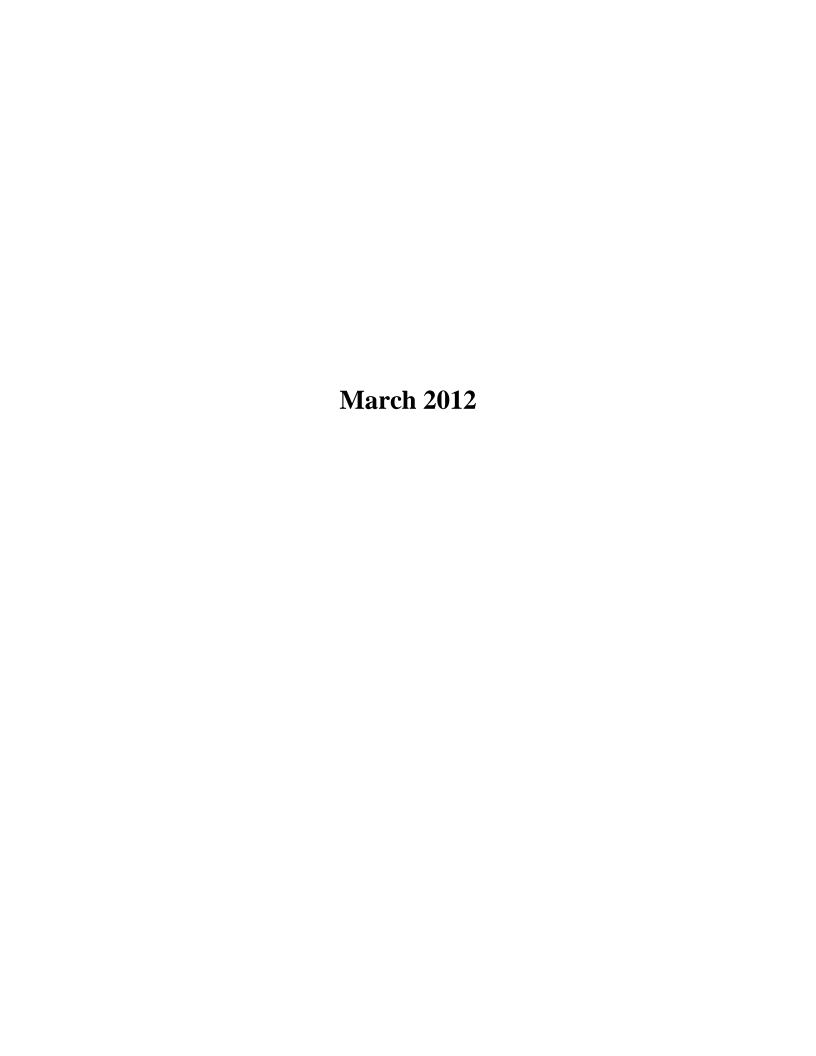


System is operating satisfactorily EA recommends / implements the following.

May need to replace DDC-04 sump.

IV: Sampling / Lab Data

N/A



Project: Nation	onal Heatset Printing Site - 1 Adams Boule	evard Farmingdale NV -	Site Managemer	nt				
	Engineering and Preferred Environmental S		one managemen					
EA Facility and a Lab Nov								
EA Engineering Job No: 1447								
Site No: 152								
EA Project Manager: <u>Jam</u>	es Hayward							
	DAILY REPOR	<u>RT</u>						
Day: S	м т w <mark>тн</mark> ғ s		WEATHER	Bright Sun	Partly Cloudy	Overcast	Rain	Snow
Date: 15-F	Feb-12		TEMP	To 32	32-50	50-70	70-85	85 and up
REPORT No.		•	WIND	Light	Moderate	High		
PAGE No. 1	_	•	HUMIDITY	Dry	Moderate	Humid		
<u></u>	_	•	MANUE DIE	NÉ	NW	SE	SW	
PREPARED BY: Rob	Peterson TITLE: Geologist		WIND DIR	N	S	Е	W	
AVERAGE FIELD FORCE Name of Contractor	Title	Hours \	Worked			Rem	narks	
Rob Peterson	Geologist	12:20	- 14:00			EA Eng	ineering	
VISITORS								
Name	Time (From - To)	Repres	senting			Rem	arks	
None	NA	N	A			١	IA	
EQUIPMENT AT THE SITE		W = Working				_		
1. Camera - W 2. PID - W	Pressure Gauges - W Velocity & Temperature N	Motor W	5. Vacuum Pum	ıp - W		L		
OPERATION & MAINTENA	NCE ACTIVITIES	INICIOI - VV	l					
EA/Preferred Site Representati	ve: Rob Peterson - EA							
	DESCRIPTION OF	F WORK PERFORM	ED AND ODE	EDVED				
12:20 Deb Detergen (EA) essived engil	te. System #1 and System #2 operating.	F WORK PERFORM	ED AND OBS	ERVED				
12:25 - Start System #2 O&M.	te. System #1 and System #2 operating.							
13:00 - System #2 O&M complete. Sys	tem performing satisfactorily							
13:15 - Start System #1 O&M.	tern performing satisfactority.							
13:46 - System #1 O&M complete. Sys	tem performing satisfactorily.							
	e. EA locked both systems and all parties of	off-site.						
	x - Designat	tes report is continued of	on additional pa	ges				

EA/Preferred Site Representative: Rob Peterson (EA) Project Manager: James Hayward Page 1 of 5

EA Engineering

6712 Brooklawn Parkway, Suite 104, Syracuse, New York 13211

National Heatset Printing Site, Farmingdale, NY Contract No., Site No. 152140 Monitoring Table February 08, 2012

DATE: 03/01/2012 DAY: Thursday TECHNICIAN: Rob Peterson

Weather: 39F, Overcast

TCE Groundwater Treatment System #1 STATUS: ON OFF

I: System Data Collection

Total Run Time Meter Reading: 9,487.2 hours System Running at: 30.0 Hz

	Temperature Monitoring						
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments		
13:31	Extracted From Well	TI-01	14.0	57.2	DDC-1		
13:31	Extracted From Well	TI-02	13.0	55.4	DDC-2		
13:33	Pre-Heater Outlet	TI-03	24.0	75.2	Post Shell and Tubing		
13:32	Pre-Heater Input	TI-04	16.0	60.8	Before Shell and Tubing		
13:32	After Cooler Outlet	TI-05	27.0	80.6	Post Cooler Reading		
13:32	After Cooler Input	TI-06	35.0	95.0	Before Cooler Reading		
13:33	Blower Outlet	TI-07	43.0	109.4	Going to Pre-heater		
13:34	Between GAC Units	TI-08	24.0	75.2	After GAC #1		
13:34	GAC Unit Output	TI-09	24.0	75.2	After GAC #2		

	Pressure/Vacuum Monitoring							
Time	Location	PI/VI-ID	Pressure					
				Comments				
15:19	Discharge to Well	PI-01	2.3 PSI	DDC-1				
15:19	Discharge to Well	PI-02	2.5 PSI	DDC-2				
15:22	Drum	PI-03	-28.0 in. H2O	Vacuum Reading Going to Blower				

Flow Readings							
Time	IF-ID	Location	Flow (SCFM)				
13:30	FI-01	Extracted From DDC-1					
13:30	FI-02	Extracted From DDC-2	190				

Comments:

Flow meter F0-1 not functioning. Air flow visually inspected at DDC-1 well head. Determined that DDC-1 bubbling sufficiently.

DATE: 03/01/2012 DAY: Thursday TECHNICIAN: Rob Peterson

Weather: 39F, Overcast

TCE Groundwater Treatment System #1

Influent Port

- 1			
	TIME	PID VOC ppm	Temp Deg. F
	13:38	0.6	71.7

Comments: None

GAC Unit Information

Between GAC Unit #1 and GAC Unit #2

TIME	PID VOC ppm	Temp Deg. F
13:43	0.0	65.6

Comments: None

Effluent Port				
TIME	PID VOC ppm	Temp Deg. F		
13:46	0.0	64.7		

E41...... Dans

Comments: None

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-1	Bubbling in well sufficient.
DDC-2	Bubbling in well sufficient.

Inspection of Sumps Associated with DDC Wells

Well#	Comments		
DDC-1	No sump associated with this well.		
DDC-2	~8-inches of water detected within sump. Sump pump non- operational		

Liquid Levels in Knock-Out Tanks

Comments: No water detected in K/O tanks.

Oil Level on Blower

Comments: Oil levels were good. Oil was changed on 8/17/11 with Omega SB-220 oil.

Addition Comments: Water was discharged from DDC-2 sump via a whale pump. The lines leading back to the system shed most likely contain water.

III: System Evaluation

X	System is operating satisfactorily
	EA recommends / implements the following.

IV: Sampling / Lab Data

N/A

DATE: 03/01/2012 DAY: Thursday TECHNICIAN: Rob Peterson

Weather: 39F, Overcast

TCE Groundwater Treatment System #2 OFF STATUS: ON

I: System Data Collection

Total Run Time Meter Reading: 12,198.4 hours. System Running at 41.0 Hz.

	Temperature Monitoring					
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments	
12:27	Carbon Unit Inlet	CA01	25.0	77.0	Carbon Unit #1	
12:31	Pre-Heater	PHA01	31.7	89.0	After Shell and Tubing	
12:32	Blower Panel	B01	71.0	159.8	Exiting Blower	
12:31	After Cooler Outlet	AC01	30.6	87.0	Post Cooler Piping	
12:32	Pre-Heater	PHB01	60.6	141.0	Before Shell and Tubing	

Pressure/Vacuum Monitoring					
Time	Location	TI-ID	Pressure	Comments	
12:28	Knock-Out Tank	T01	-1.0 in. Hg	Vacuum gauge on knock-out tank	
12:27	Carbon-Unit #1 Outlet	CA1	-5.0 in. Hg	Vacuum exiting GAC #1	
12:28	Discharge to Wells	WD2	2.6 PSI	Pressure reading on piping prior to splicing off to both wells	
12:33	Blower Panel	BP01	-1.5 in. Hg	Vacuum coming off of blower	
12:28	Carbon Unit #2 Outlet	CA2	-4.5 in. Hg	Vacuum exiting GAC #2	
12:44	DDC-3	N/A	0.2 PSI	Pressure gauge on well head	
12:47	DDC-4	N/A	0.2 PSI	Pressure gauge on well head	

	Time	TI-ID	Flow (CFM)			
			Injected Air to DDC-3	150		
			Injected Air to DDC-4	150		
	Comments Name					

Comments: None

Weather: 39F, Overcast

TCE Groundwater Treatment System #2

Influent Port GAC#1

minucint i ort OAO#1					
TIME	PID VOC ppm	Temp Deg. F			
12:34	0.0	66.0			

Comments: None

GAC Unit Information

Influent Port GAC#2

ppm	Temp Deg. F
0.0	64.6
	ppm

Comments: None

Effluent					
TIME	PID VOC ppm	Temp Deg.			
12:40	0.0	65.8			

Comments: None

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments					
DDC-3	Bubbling was sufficient.					
DDC-4	Bubbling was sufficient.					

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-3	~5-inches of water detected in sump.
DDC-4	~6-inches of water detected in sump. Sump pump non- operational. See additional comments.

Addition Comments: Water was discharged from DDC-4 and DDC-3 sumps via a whale pump. The lines leading back to the system shed most likely contain water.

Liquid Levels in Knock-Out Tanks Comments: No water was detected within site-glass.

Oil Level on Blower
Comments: Oil levels were good. Oil was changed on 8/17/11 with Omega SB-220 oil.

III: System Evaluation



N/A

Project: Nat	ional Heatset Printing Site - 1 Adams Boule	evard, Farmingdale, NY -	Site Managemer	nt					
Contractors: EA Engineering and Preferred Environmental Services									
EA Engineering Job No: 144	7420								
	Site No: 152140 EA Project Manager: James Hayward								
EA Floject Manager. Jan	еѕ паумаги								
	DAILY REPO	<u>RT</u>							
Day: S	M T W TH F S		WEATHER	Bright Sun	Partly Cloudy	Overcast	Rain	Snow	
Date: 7-M	lar-12		TEMP	To 32	32-50	50-70	70-85	85 and up	
REPORT No.		•	WIND	Light	Moderate	High		'	
PAGE No. 1		•	HUMIDITY	Dry	Moderate	Humid			
		•	WIND DIR	NÉ	NW	SE	SW		
PREPARED BY: Rot	Peterson TITLE: Geologist		WIND DIK	N	S	Е	W		
AVERAGE FIELD FORCE									
Name of Contractor	Title		Hours Worked			Remarks			
Rob Peterson	Geologist	11:30	- 12:56		EA Engineering				
VISITORS									
Name	Time (From - To)	Representing			Remarks				
None	NA	NA			NA				
EQUIPMENT AT THE SITE		W = Working				_			
1. Camera - W	Pressure Gauges - W Velocity & Temperature I	M	5. Vacuum Pump - W						
2. PID - W OPERATION & MAINTENA		weter - vv	1						
EA/Preferred Site Representat									
	DESCRIPTION O	F WORK PERFORM	ED AND OBS	ERVED)				
11:30 - Rob Peterson (EA) arrived ons	ite. System #1 and System #2 operating.	EA begins pumping wate	r from DDC-2, D	DC-3, and	DDC-4 sumps	via whale pum	p.		
12:20 - Start System #2 O&M.									
12:37 - System #2 O&M complete. Sys	stem performing satisfactorily.								
12:42 - Start System #1 O&M.									
12:54 - System #1 O&M complete. Sys									
12:56 - O&M for both systems complet	e. EA locked both systems and all parties	off-site.							
	x - Designa	tes report is continued	on additional pa	iges					

EA/Preferred Site Representative: Rob Peterson (EA) Project Manager: James Hayward Page 1 of 5

6712 Brooklawn Parkway, Suite 104, Syracuse, New York 13211

National Heatset Printing Site, Farmingdale, NY Contract No., Site No. 152140 Monitoring Table February 08, 2012

DATE: 03/07/2012 DAY: Wednesday TECHNICIAN: Rob Peterson

Weather: 50F, Sunny

TCE Groundwater Treatment System #1 STATUS: ON OFF

I: System Data Collection

Total Run Time Meter Reading: 9,629.9 hours

System Running at: 30.0 Hz

	Temperature Monitoring						
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments		
12:44	Extracted From Well	TI-01	15.0	59.0	DDC-1		
12:44	Extracted From Well	TI-02	14.0	57.2	DDC-2		
12:45	Pre-Heater Outlet	TI-03	26.0	78.8	Post Shell and Tubing		
12:44	Pre-Heater Input	TI-04	17.0	62.6	Before Shell and Tubing		
12:44	After Cooler Outlet	TI-05	33.0	91.4	Post Cooler Reading		
12:45	After Cooler Input	TI-06	39.0	102.2	Before Cooler Reading		
12:45	Blower Outlet	TI-07	49.0	120.2	Going to Pre-heater		
12:46	Between GAC Units	TI-08	26.0	78.8	After GAC #1		
12:46	GAC Unit Output	TI-09	25.0	77.0	After GAC #2		

	Pressure/Vacuum Monitoring					
Time	Location	PI/VI-ID	Pressure	Comments		
12:43	Discharge to Well	PI-01	2.4 PSI	DDC-1		
12:43	Discharge to Well	PI-02	2.4 PSI	DDC-2		
12:46	Drum	PI-03	-31.0 in. H2O	Vacuum Reading Going to Blower		

	Flow Readings					
Time	Flow (SCFM)					
12:43	FI-01	Extracted From DDC-1				
12:43	FI-02	Extracted From DDC-2	190			

Comments:

Flow meter F0-1 not functioning. Air flow visually inspected at DDC-1 well head. Determined that DDC-1 bubbling sufficiently.

DATE: 03/07/2012 DAY: Wednesday TECHNICIAN: Rob Peterson

Weather: 50F, Sunny

TCE Groundwater Treatment System #1

Influent Port

TIME	PID VOC ppm	Temp Deg. F			
12:48	1.7	77.2			

Comments: None

GAC Unit Information

Between GAC Unit #1 and GAC Unit #2

TIME	PID VOC ppm	Temp Deg. F	
12:51	0.0	76.5	

Comments: None

_	Effluent Port					
	TIME	PID VOC ppm	Temp Deg.			
Г	12:54	0.0	73.7			

Comments: None

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-1	Bubbling in well sufficient.
DDC-2	Bubbling in well sufficient.

Inspection of Sumps Associated with DDC Wells

Well#	Comments			
DDC-1 No sump associated with this well.				
DDC-2	~8-inches of water detected within sump. Sump pump non-operational			

Liquid Levels in Knock-Out Tanks
Comments: No water detected in K/O
tanks.

Oil Level on Blower

Comments: Oil levels were good. Oil was changed on 8/17/11 with Omega SB-220 oil.

Addition Comments:	Water was discharged from DDC-2 sump via a whale pump. The lines leading back to the system shed most likely contain water.
--------------------	--

III: System Evaluation

\times	System is operating satisfactorily
	EA recommends / implements the following.

IV: Sampling / Lab Data

N/A

DATE: 03/07/2012 DAY: Wednesday TECHNICIAN: Rob Peterson

Weather: 50F, Sunny

TCE Groundwater Treatment System #2 STATUS: ON OFF

I: System Data Collection

Total Run Time Meter Reading: 12,342.2 hours. System Running at 41.0 Hz.

	Temperature Monitoring						
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments		
12:22	Carbon Unit Inlet	CA01	19.0	66.2	Carbon Unit #1		
12:24	Pre-Heater	PHA01	29.4	85.0	After Shell and Tubing		
12:25	Blower Panel	B01	65.0	149.0	Exiting Blower		
12:24	After Cooler Outlet	AC01	32.2	90.0	Post Cooler Piping		
12:25	Pre-Heater	PHB01	55.6	132.0	Before Shell and Tubing		

	Pressure/Vacuum Monitoring						
Time	Location	TI-ID	Pressure	Comments			
12:23	Knock-Out Tank	T01	-1.0 in. Hg	Vacuum gauge on knock-out tank			
12:22	Carbon-Unit #1 Outlet	CA1	-5.0 in. Hg	Vacuum exiting GAC #1			
12:23	Discharge to Wells	WD2	2.4 PSI	Pressure reading on piping prior to splicing off to both wells			
12:25	Blower Panel	BP01	-1.0 in. Hg	Vacuum coming off of blower			
12:24	Carbon Unit #2 Outlet	CA2	-4.5 in. Hg	Vacuum exiting GAC #2			
12:34	DDC-3	N/A	0.2 PSI	Pressure gauge on well head			
12:36	DDC-4	N/A	0.2 PSI	Pressure gauge on well head			

	Flow Readings					
Time	TI-ID	Location	Flow (CFM)			
12:21 WD01		Injected Air to DDC-3 157				
12:21	WD02	Injected Air to DDC-4	175			
_	. N					

DATE: 03/07/2012 DAY: Wednesday TECHNICIAN: Rob Peterson

Weather: 50F, Sunny

TCE Groundwater Treatment System #2

Influent Port GAC#1

	CHE I OIL C	70"	
TIME	PID VOC ppm	Temp Deg. F	
12:27	0.0	68.8	

Comments: None

GAC Unit Information

Influent Port GAC#2

TIME	PID VOC ppm	Temp Deg. F
12:29	0.0	67.6

Effluent				
TIME	PID VOC ppm	Temp Deg.		
12:31	0.0	66.5		

Comments: None

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments			
DDC-3	Bubbling was sufficient.			
DDC-4	Bubbling was sufficient.			

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-3	~7-inches of water detected in sump. Sump pump non- operational. See additional comments.
DDC-4	~8-inches of water detected in sump. Sump pump non- operational. See additional comments.

Water was discharged from DDC-4 and DDC-3 sumps via a whale Addition Comments: oump. The lines leading back to the system shed most likely contain

Liquid Levels in Knock-Out Tanks Comments: No water was detected within site-glass.

Oil Level on Blower
Comments: Oil levels were good. Oil was changed on 8/17/11 with Omega SB-220 oil.

III: System Evaluation



27/1
N/A

Project:	National Heatset Printing Site - 1 Adams Boulevard, Farmingdale, NY - Site Management				
Contractors:	Contractors: EA Engineering and Preferred Environmental Services				
EA Engineering Job No:	1447429				
Site No:	152140				
EA Project Manager:	James Hayward				

DAILY REPORT

Day:	S	М	Т	W	ТН	F	S
Date: 15-Mar-12							
REPORT No.							
PAGE No. 1							
PREPARED BY: Rob Peterson TITLE: Geologist						ist	

WEATHER	Bright Sun	Partly Cloudy	Overcast	Rain	Snow
TEMP	To 32	32-50	50-70	70-85	85 and up
WIND	Light	Moderate	High		
HUMIDITY	Dry	Moderate	Humid		
WIND DIR	NE	NW	SE	SW	
WIND DIK	N	S	E	W	

AVERAGE FIELD FORCE

Name of Contractor	Title	Hours Worked	Remarks	
Rob Peterson	Geologist	10:00 - 11:40	EA Engineering	

VISITORS

Name	Time (From - To)	Representing	Remarks
None	NA	NA	NA

EQUIPMENT AT THE SITE	I = Idle	W = Working		
1. Camera - W	Pressure Gauges	- W	Vacuum Pump - W	
2. PID - W	 Velocity & Temper 	ature Meter - W		

OPERATION & MAINTENANCE ACTIVITIES	
EA/Preferred Site Representative: Rob Peterson - EA	
DESCRIPTION OF WORK PERFORMED AND OBSERVED	
10:00 - Rob Peterson (EA) arrived onsite. System #1 and System #2 off upon arrival. EA begins pumping water from DDC-2, DDC-3, and DDC-4 sumps via whale pump.	
10:43 - System #2 Alarm: Momentary Power Loss. System reset and restarted. System allowed to equilibrate for 20-minutes before conducting O&M.	
10:52 - System #1 Alarm: Instrument Power Loss. System reset and restarted. System allowed to equilibrate for 20-minutes before conducting O&M.	
EA concluded that both systems shutdown due to power failure in area on 14 March 2012.	
11:05 - Start System #2 O&M.	
11:22 - System #2 O&M complete. System performing satisfactorily.	
11:25 - Start System #1 O&M.	
11:35 - System #1 O&M complete. System performing satisfactorily.	
11:40 - O&M for both systems complete. EA locked both systems and all parties off-site.	

Designates report is continued on additional pages

EA/Preferred Site Representative: Rob Peterson (EA) Project Manager: James Hayward Page 1 of 5

6712 Brooklawn Parkway, Suite 104, Syracuse, New York 13211

National Heatset Printing Site, Farmingdale, NY Contract No., Site No. 152140 Monitoring Table February 08, 2012

DATE: 03/15/2012 DAY: Thursday TECHNICIAN: Rob Peterson

Weather: 45F, Overcast

TCE Groundwater Treatment System #1 STATUS: ON <u>OFF</u> **System off upon arrival (Alarm: Momentary Power Loss). System shutdown on 14 March 2012. System reset and restarted. System allowed to equilibrate for 20-minutes before conducting O&M.

I: System Data Collection

Total Run Time Meter Reading: 9,818.8 hours System Running at: 30.0 Hz

	Temperature Monitoring				
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments
11:26	Extracted From Well	TI-01	12.0	53.6	DDC-1
11:26	Extracted From Well	TI-02	13.0	55.4	DDC-2
11:28	Pre-Heater Outlet	TI-03	18.0	64.4	Post Shell and Tubing
11:27	Pre-Heater Input	TI-04	12.0	53.6	Before Shell and Tubing
11:26	After Cooler Outlet	TI-05	18.0	64.4	Post Cooler Reading
11:27	After Cooler Input	TI-06	26.0	78.8	Before Cooler Reading
	Blower Outlet	TI-07	35.0	95.0	Going to Pre-heater
11:29	Between GAC Units	TI-08	19.0	66.2	After GAC #1
11:29	GAC Unit Output	TI-09	16.0	60.8	After GAC #2

		Pressure/V	acuum Monitoring	
Time	Location	PI/VI-ID	Pressure	Comments
11:25	Discharge to Well	PI-01	2.5 PSI	DDC-1
11:25	Discharge to Well	PI-02	2.4 PSI	DDC-2
11:28	Drum	PI-03	-32.0 in. H2O	Vacuum Reading Going to Blower

Flow Readings			
Time	IF-ID	Location	Flow (SCFM)
11:25	FI-01	Extracted From DDC-1	
11:25	FI-02	Extracted From DDC-2	195

Comments:

Flow meter F0-1 not functioning. Air flow visually inspected at DDC-1 well head. Determined that DDC-1 bubbling sufficiently.

DATE: 03/15/2012 DAY: Thursday TECHNICIAN: Rob Peterson

Weather: 45F, Overcast

TCE Groundwater Treatment System #1

Influent Port		
TIME	PID VOC ppm	Temp Deg. F
11:31	2.8	67.2

Comments: None

GAC Unit Information

Between GAC Unit #1 and GAC Unit #2

TIME	PID VOC ppm	Temp Deg. F
11:33	0.0	69.5

Comments: None

Effluent Port		
TIME	PID VOC ppm	Temp Deg. F
11:35	0.0	60.7

Comments: None

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-1	Bubbling in well sufficient.
DDC-2	Bubbling in well sufficient.

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-1	No sump associated with this well.
DDC-2	~1.5-feet of water detected within sump. Sump pump non- operational

Liquid Levels in Knock-Out Tanks
Comments: No water detected in K/O tanks.

Oil Level on Blower

Comments: Oil levels were good. Oil was changed on 8/17/11 with Omega SB-220 oil.

Addition Comments: Water was discharged from DDC-2 sump via a whale pump. The lines leading back to the system shed most likely contain water.

III: System Evaluation

\times	System is operating satisfactorily
	EA recommends / implements the following.

IV: Sampling / Lab Data

N/A

DATE: 03/15/2012 DAY: Thursday TECHNICIAN: Rob Peterson

Weather: 45F, Overcast

TCE Groundwater Treatment System #2 STATUS: ON OFF **System off upon arrival (Alarm: Momentary Power Loss). System shutdown on 14 March 2012. System reset and restarted. System allowed to equilibrate for 20-minutes before conducting O&M.

I: System Data Collection

Total Run Time Meter Reading: $\underline{12,516.2}$ hours. System Running at $\underline{41.0}$ Hz.

	Temperature Monitoring							
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments			
11:05	Carbon Unit Inlet	CA01	14.0	57.2	Carbon Unit #1			
11:07	Pre-Heater	PHA01	22.2	72.0	After Shell and Tubing			
11:08	Blower Panel	B01	55.0	131.0	Exiting Blower			
11:06	After Cooler Outlet	AC01	24.4	76.0	Post Cooler Piping			
11:07	Pre-Heater	PHB01	46.1	115.0	Before Shell and Tubing			

Flow Readings								
Time TI-ID Location Flow (CFM)								
11:05 WD01		Injected Air to DDC-3	157					
11:05	WD02	Injected Air to DDC-4	157					
Comment	e: None							

Pressure/Vacuum Monitoring							
Time	Location	TI-ID	Pressure	Comments			
11:06	Knock-Out Tank	T01	-0.5 in. Hg	Vacuum gauge on knock-out tank			
11:05	Carbon-Unit #1 Outlet	CA1	-5.0 in. Hg	Vacuum exiting GAC #1			
11:06	Discharge to Wells	WD2	2.5 PSI	Pressure reading on piping prior to splicing off to both wells			
11:08	Blower Panel	BP01	-0.5 in. Hg	Vacuum coming off of blower			
11:06	Carbon Unit #2 Outlet	CA2	-4.5 in. Hg	Vacuum exiting GAC #2			
11:20	DDC-3	N/A	0.0 PSI	Pressure gauge on well head			
11:22	DDC-4	N/A	0.0 PSI	Pressure gauge on well head			

Weather: 45F, Overcast

TCE Groundwater Treatment System #2

Influent Port GAC#1

TIME	PID VOC ppm	Temp Deg. F						
11:10	0.0	65.1						

Comments: None

GAC Unit Information

Influent Port GAC#2

TIME	PID VOC ppm	Temp Deg. F	
11:13	0.0	66.2	

Comments: None

Effluent							
TIME	PID VOC ppm	Temp Deg. F					
11:16	0.0	61.3					

Comments: None

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments				
DDC-3	Bubbling was sufficient.				
DDC-4	Bubbling was sufficient.				

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-3	~3-inches of water detected in sump. Sump pump non- operational. See additional comments.
DDC-4	~8-inches of water detected in sump. Sump pump non- operational. See additional comments.

Addition Comments: Water was discharged from DDC-4 and DDC-3 sumps via a whale pump. The lines leading back to the system shed most likely contain water.

Liquid Levels in Knock-Out Tanks Comments: No water was detected within site-glass.

Oil Level on Blower

Comments: Oil levels were good. Oil was changed on 8/17/11 with Omega SB-220 oil.

III: System Evaluation



N/A

Project:	National Heatset Printing Site - 1 Adams Boulevard, Farmingdale, NY - Site Management					
Contractors: EA Engineering and Preferred Environmental Services						
EA Engineering Job No:	1447429					
Site No:	152140					
EA Project Manager:	James Hayward					
	DAU V DEDOE					

DAILY REPORT

Day:	s	М	Т		W	ТН	F	S
Date: 21-Mar-12								
REPORT No.								
PAGE No.	1							
PREPARED BY:	Rol	o Pei	terson		TIT	ΓLE:	Geolog	ist

WEATHER	Bright Sun	Partly Cloudy	Overcast	Rain	Snow
TEMP To 32 32-50		50-70	70-85	85 and up	
WIND	Light	Moderate	High		
HUMIDITY	Dry	Moderate	Humid		
WIND DIR	NE	NW	SE	SW	
WIND DIK	N	S	E	W	

AVERAGE FIELD FORCE

Name of Contractor	Title	Hours Worked	Remarks
Rob Peterson	Geologist	10:30 - 11:30	FA Engineering

VISITORS

ı	Name	Time (From - To)	Representing	Remarks
	None	NA	NA	NA

EQUIPMENT AT THE SITE	I = Idle	W = Working	
1. Camera - W	Pressure Gauges - \	V 5. Vacuum Pump - W	
2. PID - W	Velocity & Temperat	ure Meter - W	

OPERATION & MAINTENANCE ACTIVITIES

EA/Preferred Site Representative: Rob Peterson - EA			
1	DESCRIPTION OF WORK PERFORMED AND OBSERVED		
10:30 - Rob Peterson (F	A) arrived onsite. System #1 and System #2 operating upon arrival. EA begins pumping water from DDC-2, DDC-3, and DDC-4 sumps via whale pump.		
10:48 - Start System #2	O&M.		
11:08 - System #2 O&N	complete. System performing satisfactorily.		
11:11 - Start System #1	O&M.		
11:25 - System #1 O&N	complete. System performing satisfactorily.		
11:30 - O&M for both sy	stems complete. EA locked both systems and all parties off-site.		

x - Designates report is continued on additional pages

EA/Preferred Site Representative: Rob Peterson (EA) Project Manager: James Hayward Page 1 of 5

6712 Brooklawn Parkway, Suite 104, Syracuse, New York 13211

National Heatset Printing Site, Farmingdale, NY Contract No., Site No. 152140 Monitoring Table March 21, 2012

Going to Pre-heater

After GAC #1

After GAC #2

DATE: 03/21/2012 TECHNICIAN: Rob Peterson DAY: Wednesday

Weather: 55F, Partly Cloudy

11:15 Between GAC Units

11:15 GAC Unit Output

TCE Groundwater Treatment System #1 STATUS: ON OFF

I: System Data Collection

Total Run Time Meter Reading: 9,963.0 hours System Running at: 30.0 Hz

Temperature Monitoring Temperature Temperature Time TI-ID Location Comments deg. C deg. F 11:13 Extracted From Well DDC-1 15.0 59.0 TI-01 11:13 Extracted From Well TI-02 16.0 60.8 DDC-2 11:15 Pre-Heater Outlet 75.2 TI-03 24.0 Post Shell and Tubing Before Shell and Tubing 11:14 Pre-Heater Input 62.6 TI-04 17.0 11:14 After Cooler Outlet 77.0 TI-05 25.0 Post Cooler Reading 11:14 After Cooler Input 96.8 TI-06 36.0 Before Cooler Reading 11:14 Blower Outlet 114.8

46.0

23.0

24.0

73.4

75.2

Pressure/Vacuum Monitoring			acuum Monitoring			
Time	Location	PI/VI-ID	Pressure	Comments		
11:13	Discharge to Well	PI-01	2.5 PSI	DDC-1		
11:13	Discharge to Well	PI-02	2.5 PSI	DDC-2		
11:14	Drum	PI-03	-31.0 in. H2O	Vacuum Reading Going to Blower		

TI-07

TI-08

TI-09

Flow Readings			-	
	Time IF-ID		Location	Flow (SCFM)
	11:11	FI-01	Extracted From DDC-1	
١	11:11	FI-02	Extracted From DDC-2	200

Comments:

1) Flow meter F0-1 not functioning. Air flow visually inspected at DDC-1 well head. Determined that DDC-1 bubbling sufficiently.

DATE: 03/21/2012 DAY: Wednesday TECHNICIAN: Rob Peterson

Weather: 55F, Partly Cloudy

TCE Groundwater Treatment System #1

Influent Port			
np . F			
.1			
. F			

Comments: None

GAC Unit Information

Between GAC Unit #1 and GAC Unit #2

TIME	PID VOC ppm	Temp Deg. F	
11:20	2.1	71.4	

Comments: None

	Effluent Port	
TIME	PID VOC Temp Dec	
11:23	0.0	67.5

Comments: None

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-1	Bubbling in well sufficient.
DDC-2	Bubbling in well sufficient.

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-1	No sump associated with this well.
DDC-2	~7-inches of water detected within sump. Sump pump non- operational

Liquid Levels in Knock-Out	ranks
Comments: No water detected	in K/O
tanks.	

Oil Level on Blower
Comments: Oil levels were good. Oil was changed on
8/17/11 with Omega SB-220 oil.
-

Addition Comments: Water was discharged from DDC-2 sump via a whale pump. The leading back to the system shed most likely contain water	
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III: System Evaluation

X	System is operating satisfactorily
	EA recommends / implements the following

N/A

DATE: 03/21/2012 DAY: Wednesday TECHNICIAN: Rob Peterson

Weather: 55F, Partly Cloudy

TCE Groundwater Treatment System #2 STATUS: ON OFF

I: System Data Collection

Total Run Time Meter Reading: <u>12,660.1</u> hours. System Running at <u>41.0</u> Hz.

	Temperature Monitoring				
Time Location TI-ID			Temperature deg. C	Temperature deg. F	Comments
10:51	Carbon Unit Inlet	CA01	25.0	77.0	Carbon Unit #1
10:52	Pre-Heater	PHA01	32.2	90.0	After Shell and Tubing
10:52	Blower Panel	B01	70.0	158.0	Exiting Blower
10:51	After Cooler Outlet	AC01	33.9	93.0	Post Cooler Piping
10:52	Pre-Heater	PHB01	60.0	140.0	Before Shell and Tubing

	Pressure/Vacuum Monitoring				
Time	Location	TI-ID	Pressure	Comments	
10:50	Knock-Out Tank	T01	0.0 in. Hg	Vacuum gauge on knock-out tank	
10:50	Carbon-Unit #1 Outlet	CA1	-4.5 in. Hg	Vacuum exiting GAC #1	
10:49	Discharge to Wells	WD2	2.5 PSI	Pressure reading on piping prior to splicing off to both wells	
10:53	Blower Panel	BP01	-1.3 in. Hg	Vacuum coming off of blower	
10:51	Carbon Unit #2 Outlet	CA2	-4.0 in. Hg	Vacuum exiting GAC #2	
11:05	DDC-3	N/A	0.1 PSI	Pressure gauge on well head	
11:08	DDC-4	N/A	0.1 PSI	Pressure gauge on well head	

	Flow Readings				
Time TI-ID		Location	Flow (CFM)		
10:49	WD01	Injected Air to DDC-3	150		
10:49	WD02	Injected Air to DDC-4	158		
0					

DATE: 03/21/2012 DAY: Wednesday TECHNICIAN: Rob Peterson

Weather: 55F, Partly Cloudy

TCE Groundwater Treatment System #2

Influent Port GAC#1

mindent i ort CAO#1			
TIME	PID VOC ppm	Temp Deg. F	
10:05	0.3	72.5	

Comments: None

GAC Unit Information

Influent Port GAC#2

TIME	PID VOC ppm	Temp Deg.
10:58	1.8	72.5
10:58	1.8	72.5

1	Effluent	
TIME	PID VOC ppm	Temp Deg.
11:00	1.5	74.9

Comments: None

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-3	Bubbling was sufficient.
DDC-4	Bubbling was sufficient.

Inspection of Sumps Associated with DDC Wells

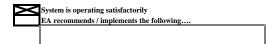
Well#	Comments
DDC-3	~3-inches of water detected in sump. Sump pump non- operational. See additional comments.
DDC-4	~8-inches of water detected in sump. Sump pump non- operational. See additional comments.

Water was discharged from DDC-4 and DDC-3 sumps via a whale Addition Comments: pump. The lines leading back to the system shed most likely contain

Liquid Levels in Knock-Out Tanks Comments: No water was detected within site-glass.

Oil Level on Blower Comments: Oil levels were good. Oil was changed on 8/17/11 with Omega SB-220 oil.

III: System Evaluation



N/A

Project:	National Heatset Printing Site - 1 Adams Boulevard, Farmingdale, NY - Site Management						
Contractors:	EA Engineering and Preferred Environmental Services						
EA Engineering Job No:	1447429						
Site No:	152140						
EA Project Manager:	James Hayward						

DAILY REPORT

Day:	s	М	Т	W	ТН	F	S
Date:	29-	Mar-	12				
REPORT No.							
PAGE No.	1						
PREPARED BY:	Rol	o Pet	terson	TIT	ΓLE:	Geolog	ist

WEATHER	Bright Sun	Partly Cloudy	Overcast	Rain	Snow
TEMP	To 32	32-50	50-70	70-85	85 and up
WIND	Light	Moderate	High		
HUMIDITY	Dry	Moderate	Humid		
WIND DIR	NE	NW	SE	SW	
אוט טאווייי	N	S	E	W	

AVERAGE FIELD FORCE

Name of Contractor	Title	Hours Worked	Remarks
Rob Peterson	Geologist	10:25 - 11:25	EA Engineering

VISITORS

Name	Time (From - To)	Representing	Remarks
None	NA	NA	NA

EQUIPMENT AT THE SITE	I = Idle	W = Working		
1. Camera - W	Pressure Gauges -	W	Vacuum Pump - W	
2. PID - W	 Velocity & Tempera 	ature Meter - W		

OPERATION & MAINTENANCE ACTIVITIES

EA/Drefer	rred Site Representative: Rob Peterson - EA
LA(I ICICI	The differentiative. Not in teleform - EA
	DESCRIPTION OF WORK PERFORMED AND OBSERVED
10:25 - Rob	Peterson (EA) arrived onsite. System #1 and System #2 operating upon arrival. EA begins pumping water from DDC-2, DDC-3, and DDC-4 sumps via whale pump.
10:44 - Star	rt System #2 O&M.
11:03 - Syst	tem #2 O&M complete. System performing satisfactorily.
11:10 - Star	rt System #1 O&M.
11:22 - Syst	tem #1 O&M complete. System performing satisfactorily.
11:25 - O&N	M for both systems complete. EA locked both systems and all parties off-site.

x - Designates report is continued on additional pages

EA/Preferred Site Representative: Rob Peterson (EA) Project Manager: James Hayward Page 1 of 5

6712 Brooklawn Parkway, Suite 104, Syracuse, New York 13211

National Heatset Printing Site, Farmingdale, NY Contract No., Site No. 152140 Monitoring Table March 25, 2012

DATE: 03/25/2012 DAY: Thursday TECHNICIAN: Rob Peterson

Weather: 45F, Partly Cloudy

TCE Groundwater Treatment System #1 STATUS: ON OFF

I: System Data Collection

Total Run Time Meter Reading: 10,154.9 hours

System Running at: 30.0 Hz

	Temperature Monitoring								
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments				
11:12	Extracted From Well	TI-01	17.0	62.6	DDC-1				
11:12	Extracted From Well	TI-02	17.0	62.6	DDC-2				
11:14	Pre-Heater Outlet	TI-03	28.0	82.4	Post Shell and Tubing				
11:12	Pre-Heater Input	TI-04	19.0	66.2	Before Shell and Tubing				
11:12	After Cooler Outlet	TI-05	35.0	95.0	Post Cooler Reading				
11:13	After Cooler Input	TI-06	40.0	104.0	Before Cooler Reading				
	Blower Outlet	TI-07	50.0	122.0	Going to Pre-heater				
11:14	Between GAC Units	TI-08	28.0	82.4	After GAC #1				
11:14	GAC Unit Output	TI-09	27.0	80.6	After GAC #2				

	Pressure/Vacuum Monitoring							
Time	Location	PI/VI-ID	Pressure	Comments				
11:11	Discharge to Well	PI-01	2.2 PSI	DDC-1				
11:11	Discharge to Well	PI-02	2.2 PSI	DDC-2				
11:13	Drum	PI-03	-29.0 in. H2O	Vacuum Reading Going to Blower				

Flow Readings					
Time	IF-ID	Location	Flow (SCFM)		
11:11	11:11 FI-01 Extracted From DDC-1				
11:11	FI-02	Extracted From DDC-2	200		

Comments:

Flow meter F0-1 not functioning. Air flow visually inspected at DDC-1 well head. Determined that DDC-1 bubbling sufficiently.

DATE: 03/29/2012 DAY: Thursday TECHNICIAN: Rob Peterson

Weather: 45F, Partly Cloudy

TCE Groundwater Treatment System #1

Influent Port

- 4	minuoni i oi i							
	TIME	PID VOC ppm	Temp Deg. F					
	11:16	3.5	79.8					

Comments: None

GAC Unit Information

Between GAC Unit #1 and GAC Unit #2

TIME	PID VOC ppm	Temp Deg. F
11:19	1.2	70.8

Comments: None

Effluent Port					
TIME	TIME PID VOC ppm				
11:22	0.0	66.3			

Comments: None

II: System Maintenance and Observations

Inspection of Water Column in DDC Wel

- 4	inspection of water column in DDC wens					
	Well#	Comments				
	DDC-1	Bubbling in well sufficient.				
	DDC-2	Bubbling in well sufficient.				

Inspection of Sumps Associated with DDC Wells

Well#	Comments		
DDC-1	No sump associated with this well.		
DDC-2	~3-inches of water detected within sump. Sump pump non- operational		

Liquid Levels in Knock-Out Tanks
Comments: No water detected in K/O
tanks.

Oil Level on Blower			
Comments: Oil levels were good. Oil was changed on			
8/17/11 with Omega SB-220 oil.			
-			

Addition Comments: Water was discharged from DDC-2 sump via a whale pump. The leading back to the system shed most likely contain water	
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III: System Evaluation

\sim	System is operating satisfactorily
	EA recommends / implements the following.

IV: Sampling / Lab Data

N/A

DATE: 03/29/2012 DAY: Thursday TECHNICIAN: Rob Peterson

Weather: 45F, Partly Cloudy

TCE Groundwater Treatment System #2 STATUS: ON OFF

I: System Data Collection

Total Run Time Meter Reading: <u>12,852.0</u> hours. System Running at <u>41.0</u> Hz.

	Temperature Monitoring				
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments
10:46	Carbon Unit Inlet	CA01	19.0	66.2	Carbon Unit #1
10:47	Pre-Heater	PHA01	29.4	85.0	After Shell and Tubing
10:48	Blower Panel	B01	56.0	132.8	Exiting Blower
10:46	After Cooler Outlet	AC01	31.1	88.0	Post Cooler Piping
10:47	Pre-Heater	PHB01	57.2	135.0	Before Shell and Tubing

Pressure/Vacuum Monitoring				
Time	Location	TI-ID	Pressure	Comments
10:45	Knock-Out Tank	T01	0.0 in. Hg	Vacuum gauge on knock-out tank
10:46	Carbon-Unit #1 Outlet	CA1	-4.5 in. Hg	Vacuum exiting GAC #1
10:45	Discharge to Wells	WD2	2.5 PSI	Pressure reading on piping prior to splicing off to both wells
10:48	Blower Panel	BP01	-1.0 in. Hg	Vacuum coming off of blower
10:46	Carbon Unit #2 Outlet	CA2	-4.0 in. Hg	Vacuum exiting GAC #2
10:59	DDC-3	N/A	0.0 PSI	Pressure gauge on well head
11:03	DDC-4	N/A	0.0 PSI	Pressure gauge on well head

Flow Readings					
Time TI-ID Location Flow (CFM)					
10:45	WD01	Injected Air to DDC-3	150		
10:45	WD02	Injected Air to DDC-4	158		

DATE: 03/29/2012 DAY: Thursday TECHNICIAN: Rob Peterson

Weather: 45F, Partly Cloudy

TCE Groundwater Treatment System #2

Influent Port GAC#1

TIME	PID VOC ppm	Temp Deg. F			
10:50	0.0	66.2			

Comments: None

GAC Unit Information

Influent Port GAC#2

PID VOC ppm	Temp Deg. F
0.0	66.6
	ppm

1	Effluent	
TIME	PID VOC ppm	Temp Deg.
10:56	0.0	68.2

Comments: None

II: System Maintenance and Observations

Inspection of Water Column in DDC Wells

Well#	Comments
DDC-3	Bubbling was sufficient.
DDC-4	Bubbling was sufficient.

Inspection of Sumps Associated with DDC Wells

Well#	Comments
DDC-3	~3-inches of water detected in sump. Sump pump non- operational. See additional comments.
DDC-4	~7-inches of water detected in sump. Sump pump non- operational. See additional comments.

Water was discharged from DDC-4 and DDC-3 sumps via a whale Addition Comments: oump. The lines leading back to the system shed most likely contain

Liquid Levels in Knock-Out Tanks Comments: No water was detected within site-glass.

Oil Level on Blower
Comments: Oil levels were good. Oil was changed on 8/17/11 with Omega SB-220 oil.

III: System Evaluation



N/A