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	M	T	W	TH	F	S

Date: 17-May-12
REPORT No.
PAGE No. 1

PREPARED BY: Rob Peterson TITLE: Geologist

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	
	N	S	E	W	

AVERAGE FIELD FORCE

Name of Contractor	Title	Hours Worked	Remarks
Rob Peterson	Geologist	12:13 - 13:00	EA Engineering

VISITORS

Name	Time (From - To)	Representing	Remarks
None	NA	NA	NA

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: Rob Peterson - EA

DESCRIPTION OF WORK PERFORMED AND OBSERVED

On 11 May 2012 AECOM finished removing construction debris (PVC piping, fittings, traffic controls) from the exterior of Treatment System #1 and #2 as a follow up of original on-site construction activities. Materials are currently being staged at the off-site system.

12:13 - Rob Peterson (EA) on-site. System #1 and System #2 operating upon arrival.

12:20 - Start System #2 O&M. NOTE: VOC monitoring of influent and effluent was collected in parts per billion (ppb) to achieve greater definition in concentration data (see page 5 for concentrations).

12:40 - System #2 O&M complete. System performing satisfactorily.

12:43 - Start System #1 O&M. NOTE: VOC monitoring of influent and effluent was collected in parts per billion (ppb) to achieve greater definition in concentration data (see page 3 for concentrations).

12:58 - System #1 O&M complete. System performing satisfactorily.

13:00 - O&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**

EA Engineering

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

National Heatset Printing Site, Farmingdale, NY
Contract No. D004441, Site No. 152140
Monitoring Table May 17, 2012

DATE: 05/17/2012 **DAY:** Thursday **TECHNICIAN:** Rob Peterson

Weather: 72F, Sunny

TCE Groundwater Treatment System #1 STATUS: ON OFF

I: System Data Collection

Total Run Time Meter Reading: 11,330.4 **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	17.0	62.6	DDC-1
12:45	Extracted From Well	TI-02	18.0	64.4	DDC-2
12:46	Pre-Heater Outlet	TI-03	28.0	82.4	Post Shell and Tubing
12:45	Pre-Heater Input	TI-04	20.0	68.0	Before Shell and Tubing
12:45	After Cooler Outlet	TI-05	26.0	78.8	Post Cooler Reading
12:46	After Cooler Input	TI-06	37.0	98.6	Before Cooler Reading
12:46	Blower Outlet	TI-07	48.0	118.4	Going to Pre-heater
12:47	Between GAC Units	TI-08	26.0	78.8	After GAC #1
12:47	GAC Unit Output	TI-09	25.0	77.0	After GAC #2

Pressure/Vacuum Monitoring

Time	Location	PI/VI-ID	Pressure	Comments
12:44	Discharge to Well	PI-01	2.3 PSI	DDC-1
12:44	Discharge to Well	PI-02	2.4 PSI	DDC-2
12:46	Drum	PI-03	-29.0 in. H2O	Vacuum Reading Going to Blower

Flow Readings

Time	IF-ID	Location	Flow (SCFM)
12:44	FI-01	Extracted From DDC-1	---
12:44	FI-02	Extracted From DDC-2	190

Comments:
1) Flow meter F0-1 not functioning. Air flow visually inspected at DDC-1 well head. Determined that DDC-1 aerating sufficiently. Replacement flow meter is currently on back order and is expected to be installed May 2012.

DATE: 05/17/2012 **DAY:** Thursday **TECHNICIAN:** Rob Peterson

Weather: 72F, Sunny

TCE Groundwater Treatment System #1

GAC Unit Information

Influent Port

TIME	PID VOC ppb	Temp Deg. F
12:48	3,886	82.4

Comments: Measurements collected in parts per billion (ppb) to achieve greater definition for concentration data. Conversion: 3.8 ppm.

Between GAC Unit #1 and GAC Unit #2

TIME	PID VOC ppb	Temp Deg. F
12:51	2,724	78.8

Comments: Measurements collected in parts per billion (ppb) to achieve greater definition for concentration data. Conversion: 2.7 ppm.

Effluent Port

TIME	PID VOC ppb	Temp Deg. F
12:54	1,193	77.0

Comments: Measurements collected in parts per billion (ppb) to achieve greater definition for concentration data. Conversion: 1.1 ppm.

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	1.0-inch 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 quality and levels satisfactory. Oil was changed on 19 April 2012 with Omega SB-220 oil.

Additional Comments:	Sensaphone operational and performing correctly.

III: System Evaluation

☒ **System is operating satisfactorily**
EA recommends / implements the following….

IV: Sampling / Lab Data

N/A

DATE: 05/17/2012 **DAY:** Thursday **TECHNICIAN:** Rob Peterson

Weather: 72F, Sunny

TCE Groundwater Treatment System #2 STATUS: ON OFF

I: System Data Collection

Total Run Time Meter Reading: 14,028.9 hours.
System Running at 41.0 Hz.

Temperature Monitoring					
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments
12:24	Carbon Unit Inlet	CA01	27.0	80.6	Carbon Unit #1
12:25	Pre-Heater	PHA01	35.0	95.0	After Shell and Tubing
12:26	Blower Panel	B01	76.0	168.8	Exiting Blower
12:25	After Cooler Outlet	AC01	37.8	100.0	Post Cooler Piping
12:25	Pre-Heater	PHB01	62.8	145.0	Before Shell and Tubing

Pressure/Vacuum Monitoring				
Time	Location	TI-ID	Pressure	Comments
12:24	Knock-Out Tank	T01	0.0 in. Hg	Vacuum gauge on knock-out tank
12:23	Carbon-Unit #1 Outlet	CA1	-4.6 in. Hg	Vacuum exiting GAC #1
12:24	Discharge to Wells	WD2	2.5 PSI	Pressure reading on piping prior to splicing off to both wells
12:26	Blower Panel	BP01	-1.0 in. Hg	Vacuum coming off of blower
12:24	Carbon Unit #2 Outlet	CA2	-4.0 in. Hg	Vacuum exiting GAC #2
12:37	DDC-3	N/A	0.0 PSI	Pressure gauge on well head
12:40	DDC-4	N/A	0.0 PSI	Pressure gauge on well head

Flow Readings			
Time	TI-ID	Location	Flow (CFM)
12:23	WD01	Injected Air to DDC-3	150
12:23	WD02	Injected Air to DDC-4	150

Comments: None

DATE: 05/17/2012 **DAY:** Thursday **TECHNICIAN:** Rob Peterson

Weather: 72F, Sunny

TCE Groundwater Treatment System #2

GAC Unit Information

Influent Port GAC#1

TIME	PID VOC ppb	Temp Deg. F
12:28	1,032	75.3

Comments: Measurements collected in parts per billion (ppb) to achieve greater definition for concentration data. Conversion: 1.0 ppm.

Influent Port GAC#2

TIME	PID VOC ppb	Temp Deg. F
12:31	1,302	76.5

Comments: Measurements collected in parts per billion (ppb) to achieve greater definition for concentration data. Conversion: 1.0 ppm.

Effluent

TIME	PID VOC ppb	Temp Deg. F
12:34	606	76.8

Comments: Measurements collected in parts per billion (ppb) to achieve greater definition for concentration data. Conversion: 0.7 ppm.

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	0.5-inch of water detected in sump. Sump pump operating satisfactorily.
DDC-4	0.5-inch of water detected in sump. Sump pump operating satisfactorily.

Additional Comments:	Sensaphone operational and performing correctly

Liquid Levels in Knock-Out Tanks
Comments: No water was detected within site-glass.

Oil Level on Blower
Comments: Oil quality and levels satisfactory. Oil was changed on 19 April 2012 with Omega SB-220 oil.

III: System Evaluation

☒ **System is operating satisfactorily**

EA recommends / implements the following….

IV: Sampling / Lab Data

N/A