

National Heatset Printing Site - 1 Adams Boulevard, Farmingdale, NY - Site
Project: 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: 29-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	10:50 - 11:48	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
Preferred Environmental expects to install the replacement knock-out tank pump in Treatment Trailer #1 and DDC-2 sump pump later this week. On 29 May 2012, the flow meter manufacturer indicated the replacement meter would not be available until at least late-June 2012. Therefore, replacement of the flow meter will need to be addressed after AECOM has taken over O&M responsibilities, which will occur effective 01 June 2012 .
10:50 - Rob Peterson (EA) onsite. System #1 and System #2 operating upon arrival.
10:55 - 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).
11:17 - System #2 O&M complete. System performing satisfactorily.
11:22 - Start System #1 O&M. NOTE: VOC monitoring of influent and effluent was collected in ppb to achieve greater definition in concentration data (see page 3 for concentrations).
11:45 - System #1 O&M complete. System performing satisfactorily.
11:48 - O&M for both systems complete. EA locked both systems and all parties offsite.

☒ - Designates report is continued on additional pages

EA/Preferred Site Representative: **Rob Peterson (EA)**

Project Manager: **James Hayward**

Page 1 of 5

EA Engineering

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National Heatset Printing Site, Farmingdale, NY Contract No. D004441, Site No. 152140 Monitoring Table May 29, 2012

DATE: 05/29/2012

DAY: Tuesday

TECHNICIAN: Rob Peterson

Weather: 82F, Sunny

TCE Groundwater Treatment System #1 STATUS: ON OFF

I: System Data Collection

Total Run Time Meter Reading: 11,616.9 hours

System Running at: 30.0 Hz

Temperature Monitoring					
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments
11:23	Extracted From Well	TI-01	21.0	69.8	DDC-1
11:23	Extracted From Well	TI-02	22.0	71.6	DDC-2
11:25	Pre-Heater Outlet	TI-03	33.0	91.4	Post Shell and Tubing
11:24	Pre-Heater Input	TI-04	25.0	77.0	Before Shell and Tubing
11:24	After Cooler Outlet	TI-05	33.0	91.4	Post Cooler Reading
11:24	After Cooler Input	TI-06	42.0	107.6	Before Cooler Reading
11:24	Blower Outlet	TI-07	53.0	127.4	Going to Pre-heater
11:25	Between GAC Units	TI-08	32.0	89.6	After GAC #1
11:25	GAC Unit Output	TI-09	30.0	86.0	After GAC #2

Pressure/Vacuum Monitoring				
Time	Location	PI/VI-ID	Pressure	Comments
11:22	Discharge to Well	PI-01	2.2 PSI	DDC-1
11:22	Discharge to Well	PI-02	2.3 PSI	DDC-2
11:24	Drum	PI-03	-29.0 in. H2O	Vacuum Reading Going to Blower

Flow Readings			
Time	IF-ID	Location	Flow (SCFM)
11:22	FI-01	Extracted From DDC-1	---
11:22	FI-02	Extracted From DDC-2	190

Comments:

1) Flow meter F0-1 not functioning; to be addressed after AECOM takes over O&M responsibilities effective 01 June 2012 (due to time frame needed to obtain new flow meter). Air flow visually inspected at DDC-1 well head. Determined that DDC-1 aerating sufficiently.

DATE: 05/29/2012

DAY: Tuesday

TECHNICIAN: Rob Peterson

Weather: 82F, Sunny

TCE Groundwater Treatment System #1

GAC Unit Information

Influent Port

TIME	PID VOC ppb	Temp Deg. F
11:27	3,897	91.4

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
11:30	3,501	89.6

Comments: Measurements collected in parts per billion (ppb) to achieve greater definition for concentration data. Conversion: 3.5 ppm.

Effluent Port

TIME	PID VOC ppb	Temp Deg. F
11:34	1,988	86.0

Comments: Measurements collected in parts per billion (ppb) to achieve greater definition for concentration data. Conversion: 1.8 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.

Preferred Environmental is scheduled to install replacement knock-out tank pump and DDC-2 sump pump later this week.

III: System Evaluation

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

EA to discuss future GAC change out with AECOM.

IV: Sampling / Lab Data

N/A

DATE: 05/29/2012DAY: TuesdayTECHNICIAN: Rob PetersonWeather: 82F, SunnyTCE Groundwater Treatment System #2 STATUS: ON OFF**I: System Data Collection**Total Run Time Meter Reading: 14,274.1 hours.System Running at 41.0 Hz.

Temperature Monitoring					
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments
10:56	Carbon Unit Inlet	CA01	33.0	91.4	Carbon Unit #1
10:57	Pre-Heater	PHA01	40.0	104.0	After Shell and Tubing
10:59	Blower Panel	B01	84.0	183.2	Exiting Blower
10:57	After Cooler Outlet	AC01	45.0	113.0	Post Cooler Piping
10:58	Pre-Heater	PHB01	68.3	155.0	Before Shell and Tubing

Flow Readings			
Time	TI-ID	Location	Flow (CFM)
10:55	WD01	Injected Air to DDC-3	150
10:55	WD02	Injected Air to DDC-4	150

Comments: None

Pressure/Vacuum Monitoring				
Time	Location	TI-ID	Pressure	Comments
10:56	Knock-Out Tank	T01	0.0 in. Hg	Vacuum gauge on knock-out tank
10:56	Carbon-Unit #1 Outlet	CA1	-4.5 in. Hg	Vacuum exiting GAC #1
10:56	Discharge to Wells	WD2	2.6 PSI	Pressure reading on piping prior to splicing off to both wells
10:59	Blower Panel	BP01	-1.9 in. Hg	Vacuum coming off of blower
10:57	Carbon Unit #2 Outlet	CA2	-4.0 in. Hg	Vacuum exiting GAC #2
11:14	DDC-3	N/A	0.0 PSI	Pressure gauge on well head
11:17	DDC-4	N/A	0.0 PSI	Pressure gauge on well head

DATE: 05/29/2012

DAY: Tuesday

TECHNICIAN: Rob Peterson

Weather: 82F, Sunny

TCE Groundwater Treatment System #2

GAC Unit Information

Influent Port GAC#1

TIME	PID VOC ppb	Temp Deg. F
11:02	1,226	84.5

Comments: Measurements collected in parts per billion (ppb) to achieve greater definition for concentration data. Conversion: 1.2 ppm.

Influent Port GAC#2

TIME	PID VOC ppb	Temp Deg. F
11:05	694	85.5

Comments: Measurements collected in parts per billion (ppb) to achieve greater definition for concentration data. Conversion: 0.6 ppm.

Effluent

TIME	PID VOC ppb	Temp Deg. F
11:10	492	85.4

Comments: Measurements collected in parts per billion (ppb) to achieve greater definition for concentration data. Conversion: 0.4 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
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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....

EA to discuss future GAC change out with AECOM.

IV: Sampling / Lab Data

N/A