

NATIONAL HEATSET - ONSITE DDC SYSTEMS RUN TIME SUMMARY (MONTH #8)

Week of Monday	O&M Week #	Date of Visit	Elapsed Time Hr:Min	DDC System No. 1 Hour Meter	DDC System No. 2 Hour Meter	Notes
2/21/2011	28	2/25/11 10:00 AM	168:00	4,941.8	4,944.9	End Month #7
2/28/2011	29	3/4/11 11:30 AM	169:30	5,112.3	5,115.4	
3/7/2011	30	3/9/11 10:00 AM	118:30	5,227.8	5,234.7	LAST AECOM O&M VISIT
Elapsed Time Month #8:			288:00	From 2/25/11 through 3/9/11		
Total Run Hours DDC Systems - MONTH No. 8:				286.0	289.8	
Total Run Hours DDC Systems No. 1 + 2 (Month #8):				575.8		
Total Available hours for Month #8: = 720 hrs X 2 systems					1,440.0	
Percent % Runtime for Month #8: = 575.8 / 1,440					40.0%	
Contract Payment Item Quantity =					44.2% X 40% =	17.7%

Project: National Heatset Printing Site - 1 Adams Boulevard, Farmingdale, NY - Site Management
 Contractors: AECOM and Preferred Environmental Services
 AECOM Job No: _____
 Site No: 152140
 AECOM Project Manager: Frank Zeske

AECOM
 40 British American Boulevard
 Airport Park
 Latham, NY 12110
 Telephone: 518.7951.2242

DAILY REPORT

Day:

S	M	T	W	TH	F	S
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 Date: 4-Mar-11
 REPORT No: 29
 PAGE No: 1

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	

PREPARED BY: Thomas Fitzpatrick TITLE: Site Rep.

AVERAGE FIELD FORCE

Name of Contractor	Title	Hours Worked	Remarks
Thomas Fitzpatrick	Technician	11:30 - 14:35	Preferred

VISITORS

Name	Time (From - To)	Representing	Remarks
Don Conan	11:30 - 12:35	EA Engineering	NA
John Ryan	11:30 - 11:50	John McGowan & Sons	

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

AECOM/Preferred Site Representative: Thomas Fitzpatrick - Preferred

DESCRIPTION OF WORK PERFORMED AND OBSERVED

11:30 - Preferred on-site. Both system running upon arrival.
 11:32 - Met with Don Conan from EA Engineering. Walked through both systems and discussed items that need to be addressed.
 11:35 - Met with John Ryan from John McGowan & Sons to show him asphalt restoration areas.
 12:35 - Don Conan leaves site.
 12:44 - Start of O&M on System #2.
 13:15 - Cut PVC piping on side of System #2 for preparation of disposal.
 13:45 - Start of O&M on System #1.
 14:20 - Cut PVC piping on side of System #1.
 14:35 - Preferred locks both systems and leaves site.

☒ - Designates report is continued on additional pages

AECOM/Preferred Site Representative: Thomas Fitzpatrick (Preferred)

Project Manager: F. Zeske

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AECOM

40 British American Boulevard, Airport Park, Latham, NY 12110 tel: (518) 782-4500 fax: (518) 786-3810



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 March 4, 2011

DATE: 3/4/11

DAY: Friday

TECHNICIAN: Thomas Fitzpatrick

Weather: 30 Deg. Partly Cloudy

TCE Groundwater Treatment System #1 STATUS: ON OFF

I: System Data Collection

Run Time Meter Reading (since last shut down): 220.1 hours

Total Run Time Meter Reading: 5112.3 hours

System Running at 41.0 Hz.

Temperature Monitoring					
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments
13:54	Extracted From Well	TI-01	15.0	59.0	DDC-1
13:54	Extracted From Well	TI-02	14.0	57.2	DDC-2
13:56	Pre-Heater Outlet	TI-03	28.0	82.4	Post Shell and Tubing
13:55	Pre-Heater Input	TI-04	17.0	62.6	Before Shell and Tubing
13:55	After Cooler Outlet	TI-05	36.5	97.7	Post Cooler Reading
13:55	After Cooler Input	TI-06	46.0	114.8	Before Cooler Reading
13:56	Blower Outlet	TI-07	58.0	136.4	
13:56	Between GAC Units	TI-08	29.0	84.2	After GAC #1
13:56	GAC Unit Output	TI-09	27.0	80.6	After GAC #2

Flow Readings			
Time	IF-ID	Location	Flow (SCFM)
13:53	FI-01	Extracted From DDC-1	261
13:53	FI-02	Extracted From DDC-2	215

Comments:

1) Flow meter F0-1 is functioning.

Pressure/Vacuum Monitoring				
Time	Location	PI/VI-ID	Pressure	Comments
13:53	Discharge to Well	PI-01	2.3 PSI	DDC-1
13:53	Discharge to Well	PI-02	1.9 PSI	DDC-2
13:54	Drum	PI-03	-51.0 in. H2O	Vacuum Reading Going to Blower

DATE: 3/4/11

DAY: Friday

TECHNICIAN: Thomas Fitzpatrick

Weather: 30 Deg. Partly Cloudy

TCE Groundwater Treatment System #1

Influent Port

TIME	PID VOC ppm	Temp Deg. F
14:06	3.7	80.9

Comments:

GAC Unit Information

Between GAC Unit #1 and GAC Unit #2

TIME	PID VOC ppm	Temp Deg. F
14:12	2.0	80.8

Comments:

Effluent Port

TIME	PID VOC ppm	Temp Deg. F
14:09	0.9	72.3

Comments:

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 this well.

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

Oil Level on Blower
Comments: Oil levels were good.

Addition Comments

III: System Evaluation

☒ System is operating satisfactorily
☐ AECOM recommends / implements the following....

IV: Sampling / Lab Data

N/A

DATE: 3/4/11

DAY: Friday

TECHNICIAN: Thomas Fitzpatrick

Weather: 30 Deg. Partly Cloudy

GWTT EQUIPMENT INFORMATION

TCE Groundwater Treatment System #2 STATUS: ON OFF

I: System Data Collection

Total Run Time Meter Reading: 5115.4 hours

System Running at 43.0 Hz.

Temperature Monitoring					
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments
12:49	Carbon Unit Inlet	CA01	18.0	55.4	Carbon Unit #1
12:48	Pre-Heater	PHA01	24.4	76.0	After Shell and Tubing
12:48	Blower Panel	B01	54.4	130.0	Blower Discharge
12:47	After Cooler Outlet	AC01	26.7	80.0	Post Cooler Piping
12:48	Pre-Heater	PHB01	48.9	120.0	Before Shell and Tubing

Flow Readings			
Time	TI-ID	Location	Flow (CFM)
12:46	WD01	Injected Air to DDC-3	210
12:46	WD02	Injected Air to DDC-4	154

Comments: None

Pressure/Vacuum Monitoring				
Time	Location	TI-ID	Pressure	Comments
12:47	Knock-Out Tank	T01	-5 in. Hg	Vacuum gauge on knock-out tank
12:50	Carbon-Unit #1 Outlet	CA1	-5.0 in. Hg	Vacuum GAC #1
12:47	Discharge to Wells	WD2	1.6 PSI	Pressure reading on piping prior to splicing off to both wells
12:48	Blower Panel	BP01	-1.7 in. Hg	Vacuum coming off of blower
12:49	Carbon Unit #2 Outlet	CA2	-4.6 in. Hg	Vacuum GAC #2
13:07	DDC-3	N/A	0.5 PSI	Pressure gauge on well head
13:11	DDC-4	N/A	0.5 PSI	Pressure gauge on well head

DATE: 3/4/11

DAY: Friday

TECHNICIAN: Thomas Fitzpatrick

Weather: 30 Deg. Partly Cloudy

TCE Groundwater Treatment System #2

GAC Unit Information

Influent Port GAC#1

TIME	PID VOC ppm	Temp Deg. F
12:54	1.4	64.70

Comments:

Influent Port GAC#2

TIME	PID VOC ppm	Temp Deg F
12:57	1.4	65.1

Comments:

Effluent

TIME	PID VOC ppm	Temp Deg. F
13:00	1.2	59.8

Comments:

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	2 inches of water in this sump.
DDC-4	2.5 inches of water in this sump

Liquid Levels in Knock-Out Tanks

Comments: 1/4 inch of liquid detected in Knock-Out Tank.

Oil Level on Blower

Comments: Oil levels were good.

Addition Comments:

None

III: System Evaluation

☒ System is operating satisfactorily
☐ AECOM recommends / implements the following....

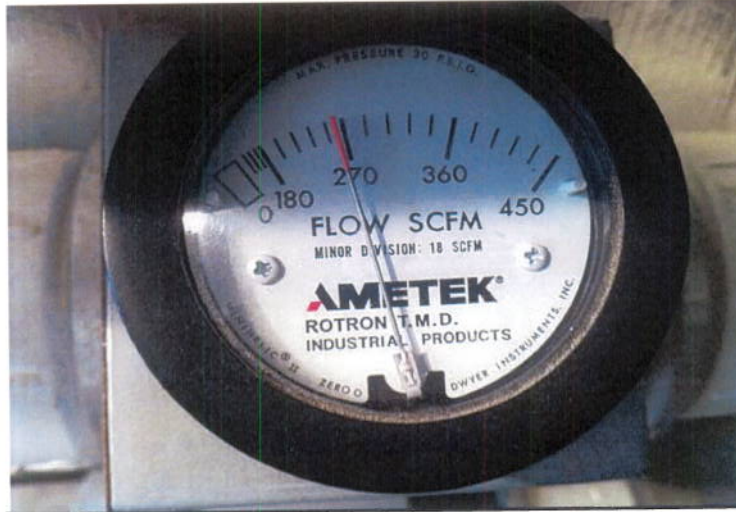
IV: Sampling / Lab Data

N/A

PHOTOGRAPHIC LOG
Date: 3-4-11
AECOM Job No.
National Heatset Printing Site

PHOTO	DATE	TIME	DESCRIPTION	COMMENTS
Picture 156	3/4/2011	13:45:00 PM	FI-01 on System No. 1 reading 261 scfm.	
Picture 151	3/4/2011	13:15:00 PM	The PVC piping on the side of System #2 was cut in preparation for removal.	

Photos (03.4.11)



Picture 156 - FI-01 on System No. 1 reading 261 scfm.



Picture 151 - The PVC piping on the side of System #2 was cut in preparation for removal.

Project: National Heatset Printing Site - 1 Adams Boulevard, Farmingdale, NY - Site Management
Contractors: AECOM and Preferred Environmental Services
AECOM Job No: _____
Site No: 152140
AECOM Project Manager: Frank Zeske

AECOM
40 British American Boulevard
Airport Park
Latham, NY 12110
Telephone: 518.7951.2242

DAILY REPORT

Day:

S	M	T	W	TH	F	S
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Date: 9-Mar-11
REPORT No: 30
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	
	N	S	E	W	

AVERAGE FIELD FORCE

Name of Contractor	Title	Hours Worked	Remarks
Thomas Fitzpatrick	Technician	9:18 - 13:40	Preferred

VISITORS

Name	Time (From - To)	Representing	Remarks
N/A	N/A	N/A	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

AECOM/Preferred Site Representative: Thomas Fitzpatrick - Preferred

DESCRIPTION OF WORK PERFORMED AND OBSERVED

9:18 - Preferred arrived on-site. Both system running upon arrival.
9:23 - Start of O&M on System #1.
9:55 - Preferred shut down System #1 and prepares to change oil in System #1.
10:10 - Began changing oil in System #1.
11:30 - Changed air filters in System #1.
12:00 - Start of O&M on System #2.
12:50 - Began changing oil in System #2.
13:40 - Preferred locked both systems and leaves site. Both systems were running upon departure.

☒ X

- Designates report is continued on additional pages

AECOM/Preferred Site Representative: Thomas Fitzpatrick (Preferred)

Project Manager: F. Zeske

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AECOM

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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 March 9, 2011

DATE: 3/9/11

DAY: Wednesday

TECHNICIAN: Thomas Fitzpatrick

Weather: 35 Deg. Partly Cloudy

TCE Groundwater Treatment System #1 STATUS: ON OFF

I: System Data Collection

Run Time Meter Reading (since last shut down): 335.6 hours

Total Run Time Meter Reading: 5227.8 hours

System Running at 41.0 Hz.

Temperature Monitoring					
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments
9:26	Extracted From Well	TI-01	16.0	60.8	DDC-1
9:26	Extracted From Well	TI-02	15.0	59.0	DDC-2
9:27	Pre-Heater Outlet	TI-03	30.0	86.0	Post Shell and Tubing
9:27	Pre-Heater Input	TI-04	18.0	64.4	Before Shell and Tubing
9:26	After Cooler Outlet	TI-05	40.0	104.0	Post Cooler Reading
9:26	After Cooler Input	TI-06	49.0	120.2	Before Cooler Reading
9:27	Blower Outlet	TI-07	61.0	141.8	
9:27	Between GAC Units	TI-08	30.0	86.0	After GAC #1
9:28	GAC Unit Output	TI-09	29.0	84.2	After GAC #2

Flow Readings			
Time	IF-ID	Location	Flow (SCFM)
9:24	FI-01	Extracted From DDC-1	254
9:24	FI-02	Extracted From DDC-2	225

Comments

Pressure/Vacuum Monitoring				
Time	Location	PI/VI-ID	Pressure	Comments
9:24	Discharge to Well	PI-01	2.2 PSI	DDC-1
9:24	Discharge to Well	PI-02	2.0 PSI	DDC-2
9:24	Drum	PI-03	-50.0 in. H2O	Vacuum Reading Going to Blower

DATE: 3/9/11

DAY: Wednesday

TECHNICIAN: Thomas Fitzpatrick

Weather: 35 Deg. Partly Cloudy

TCE Groundwater Treatment System #1

Influent Port		
TIME	PID VOC ppm	Temp Deg. F
9:33	3.4	82.9

Comments:

GAC Unit Information

Between GAC Unit #1 and GAC Unit #2

TIME	PID VOC ppm	Temp Deg. F
9:40	2.3	82.3

Comments:

Effluent Port

TIME	PID VOC ppm	Temp Deg. F
9:37	1.0	77.3

Comments:

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 this well.

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:	
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III: System Evaluation

☒ System is operating satisfactorily
☐ AECOM recommends / implements the following....

IV: Sampling / Lab Data

N/A

DATE: 3/9/11

DAY: Wednesday

TECHNICIAN: Thomas Fitzpatrick

Weather: 35 Deg. Partly Cloudy

GWTT EQUIPMENT INFORMATION

TCE Groundwater Treatment System #2 STATUS: ON OFF

I: System Data Collection

Total Run Time Meter Reading: 5234.7 hours

System Running at 43.0 Hz.

Temperature Monitoring					
Time	Location	TI-ID	Temperature deg. C	Temperature deg. F	Comments
12:12	Carbon Unit Inlet	CA01	21.0	69.8	Carbon Unit #1
12:10	Pre-Heater	PHA01	26.7	80.0	After Shell and Tubing
12:11	Blower Panel	B01	62.8	145.0	Blower Discharge
12:10	After Cooler Outlet	AC01	29.7	85.5	Post Cooler Piping
12:11	Pre-Heater	PHB01	51.7	125.0	Before Shell and Tubing

Flow Readings			
Time	TI-ID	Location	Flow (CFM)
12:06	WD01	Injected Air to DDC-3	192
12:06	WD02	Injected Air to DDC-4	168

Comments: None

Pressure/Vacuum Monitoring				
Time	Location	TI-ID	Pressure	Comments
12:10	Knock-Out Tank	T01	-5 in. Hg	Vacuum gauge on knock-out tank
12:12	Carbon-Unit #1 Outlet	CA1	-5.0 in. Hg	Vacuum GAC #1
12:09	Discharge to Wells	WD2	1.8 PSI	Pressure reading on piping prior to splicing off to both wells
12:11	Blower Panel	BP01	-2.0 in. Hg	Vacuum coming off of blower
12:12	Carbon Unit #2 Outlet	CA2	-4.5 in. Hg	Vacuum GAC #2
12:34	DDC-3	N/A	0.5 PSI	Pressure gauge on well head
12:27	DDC-4	N/A	0.4 PSI	Pressure gauge on well head

DATE: 3/9/11

DAY: Wednesday

TECHNICIAN: Thomas Fitzpatrick

Weather: 35 Deg. Partly Cloudy

TCE Groundwater Treatment System #2

GAC Unit Information

Influent Port GAC#1

TIME	PID VOC ppm	Temp Deg. F
12:15	0.7	60.9

Comments:

Influent Port GAC#2

TIME	PID VOC ppm	Temp Deg. F
12:19	0.7	62.3

Comments:

Effluent

TIME	PID VOC ppm	Temp Deg. F
12:22	0.4	63.3

Comments:

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	2.5 inches of water in this sump

Liquid Levels in Knock-Out Tanks

Comments: 1 inch of 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

III: System Evaluation

☒ System is operating satisfactorily
☐ AECOM recommends / implements the following....

IV: Sampling / Lab Data

N/A

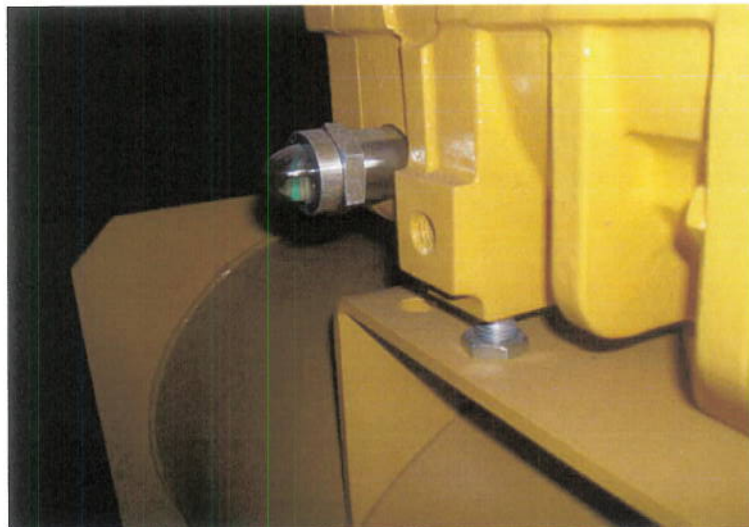
PHOTOGRAPHIC LOG
Date: 3-9-11
AECOM Job No.
National Heatset Printing Site

PHOTO	DATE	TIME	DESCRIPTION	COMMENTS
Picture 142	3/9/2011	11:30 AM	The exterior filters on System #1 were changed.	
Picture 159	3/9/2011	12:50 PM	The blower oil was changed in both systems with Omega SB-220 oil.	

Photos (03.9.11)



Picture 142 - The exterior filters on System #1 were changed.



Picture 159 - The blower oil was changed in both systems with Omega SB-220 oil.