

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: 5-Apr-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 | 11:45 - 12:30 | 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 |
| 11:45 - 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. |
| 12:00 - Start System #2 O&M. |
| 12:18 - System #2 O&M complete. System performing satisfactorily. |
| 12:20 - Start System #1 O&M. |
| 12:30 - System #1 O&M complete. System performing satisfactorily. |
| 12:35 - O&M for both systems complete. EA locked both systems and all parties off-site. |

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 - Designates report is continued on additional pages

EA Engineering

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

National Heatset Printing Site, Farmingdale, NY
 Contract No. , Site No. 152140
 Monitoring Table April 05, 2012

DATE: 04/05/2012

DAY: Thursday

TECHNICIAN: Rob Peterson

Weather: 55F, Sunny

TCE Groundwater Treatment System #1 STATUS: ON OFF

I: System Data Collection

Total Run Time Meter Reading: 10,324.0 hours

System Running at: 30.0 Hz

| Temperature Monitoring | | | | | |
|------------------------|---------------------|-------|--------------------|--------------------|-------------------------|
| Time | Location | TI-ID | Temperature deg. C | Temperature deg. F | Comments |
| 12:20 | Extracted From Well | TI-01 | 15.0 | 59.0 | DDC-1 |
| 12:20 | Extracted From Well | TI-02 | 15.0 | 59.0 | DDC-2 |
| 12:22 | Pre-Heater Outlet | TI-03 | 24.0 | 75.2 | Post Shell and Tubing |
| 12:21 | Pre-Heater Input | TI-04 | 16.0 | 60.8 | Before Shell and Tubing |
| 12:21 | After Cooler Outlet | TI-05 | 21.0 | 69.8 | Post Cooler Reading |
| 12:21 | After Cooler Input | TI-06 | 35.0 | 95.0 | Before Cooler Reading |
| 12:22 | Blower Outlet | TI-07 | 44.0 | 111.2 | Going to Pre-heater |
| 12:23 | Between GAC Units | TI-08 | 22.0 | 71.6 | After GAC #1 |
| 12:23 | GAC Unit Output | TI-09 | 22.0 | 71.6 | After GAC #2 |

| Flow Readings | | | |
|---------------|-------|----------------------|-------------|
| Time | IF-ID | Location | Flow (SCFM) |
| 12:20 | FI-01 | Extracted From DDC-1 | --- |
| 12:20 | 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 bubbling sufficiently.

| Pressure/Vacuum Monitoring | | | | |
|----------------------------|-------------------|----------|---------------|--------------------------------|
| Time | Location | PI/VI-ID | Pressure | Comments |
| 12:20 | Discharge to Well | PI-01 | 2.2 PSI | DDC-1 |
| 12:20 | Discharge to Well | PI-02 | 2.2 PSI | DDC-2 |
| 12:22 | Drum | PI-03 | -29.0 in. H2O | Vacuum Reading Going to Blower |

DATE: 04/05/2012

DAY: Thursday

TECHNICIAN: Rob Peterson

Weather: 55F, Sunny

TCE Groundwater Treatment System #1

GAC Unit Information

| Influent Port | | |
|---------------|-------------|-------------|
| TIME | PID VOC ppm | Temp Deg. F |
| 12:24 | 2.1 | 74.2 |

Comments: None

Between GAC Unit #1 and GAC Unit #2

| TIME | PID VOC ppm | Temp Deg. F |
|-------|-------------|-------------|
| 12:27 | 0.4 | 67.7 |

Comments: None

Effluent Port

| TIME | PID VOC ppm | Temp Deg. F |
|-------|-------------|-------------|
| 12:30 | 0.0 | 63.6 |

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 | ~5-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

System is operating satisfactorily

EA recommends / implements the following....

IV: Sampling / Lab Data

N/A

DATE: 04/05/2012

DAY: Thursday

TECHNICIAN: Rob Peterson

Weather: 55F, Sunny

TCE Groundwater Treatment System #2 STATUS: ON OFF

I: System Data Collection

Total Run Time Meter Reading: 13,021.2 hours.
System Running at 41.0 Hz.

| Temperature Monitoring | | | | | |
|------------------------|---------------------|-------|--------------------|--------------------|-------------------------|
| Time | Location | TI-ID | Temperature deg. C | Temperature deg. F | Comments |
| 12:00 | Carbon Unit Inlet | CA01 | 21.0 | 69.8 | Carbon Unit #1 |
| 12:02 | Pre-Heater | PHA01 | 29.4 | 85.0 | After Shell and Tubing |
| 12:03 | Blower Panel | B01 | 66.0 | 150.8 | Exiting Blower |
| 12:02 | After Cooler Outlet | AC01 | 31.7 | 89.0 | Post Cooler Piping |
| 12:02 | Pre-Heater | PHB01 | 57.2 | 135.0 | Before Shell and Tubing |

| Flow Readings | | | |
|---------------|-------|-----------------------|------------|
| Time | TI-ID | Location | Flow (CFM) |
| 12:01 | WD01 | Injected Air to DDC-3 | 150 |
| 12:01 | WD02 | Injected Air to DDC-4 | 157 |

Comments: None

| Pressure/Vacuum Monitoring | | | | |
|----------------------------|-----------------------|-------|-------------|--|
| Time | Location | TI-ID | Pressure | Comments |
| 12:01 | Knock-Out Tank | T01 | 0.0 in. Hg | Vacuum gauge on knock-out tank |
| 12:00 | Carbon-Unit #1 Outlet | CA1 | -4.5 in. Hg | Vacuum exiting GAC #1 |
| 12:01 | Discharge to Wells | WD2 | 2.4 PSI | Pressure reading on piping prior to splicing off to both wells |
| 12:03 | Blower Panel | BP01 | -1.0 in. Hg | Vacuum coming off of blower |
| 12:01 | Carbon Unit #2 Outlet | CA2 | -4.0 in. Hg | Vacuum exiting GAC #2 |
| 12:15 | DDC-3 | N/A | 0.0 PSI | Pressure gauge on well head |
| 12:18 | DDC-4 | N/A | 0.0 PSI | Pressure gauge on well head |

DATE: 04/05/2012

DAY: Thursday

TECHNICIAN: Rob Peterson

Weather: 55F, Sunny

TCE Groundwater Treatment System #2

GAC Unit Information

Influent Port GAC#1

| TIME | PID VOC ppm | Temp Deg. F |
|-------|-------------|-------------|
| 12:07 | 0.0 | 68.3 |

Comments: None

Influent Port GAC#2

| TIME | PID VOC ppm | Temp Deg. F |
|-------|-------------|-------------|
| 12:10 | 0.0 | 66.6 |

Comments: None

Effluent

| TIME | PID VOC ppm | Temp Deg. F |
|-------|-------------|-------------|
| 12:13 | 0.0 | 67.5 |

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 | ~3-inches of water detected in sump. Sump pump non-operational. See additional comments. |
| DDC-4 | ~5-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

System is operating satisfactorily

EA recommends / implements the following....

IV: Sampling / Lab Data

N/A

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: 9-Apr-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 | 12:54 - 13:45 | 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 |
| 12:54 - 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. |
| 13:05 - Start System #2 O&M. |
| 13:24 - System #2 O&M complete. System performing satisfactorily. |
| 13:30 - Start System #1 O&M. |
| 13:41 - System #1 O&M complete. System performing satisfactorily. |
| 13:45 - O&M for both systems complete. EA locked both systems and all parties off-site. |

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 - Designates report is continued on additional pages

EA Engineering

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

National Heatset Printing Site, Farmingdale, NY
 Contract No. , Site No. 152140
 Monitoring Table April 09, 2012

DATE: 04/09/2012

DAY: Monday

TECHNICIAN: Rob Peterson

Weather: 55F, Sunny

TCE Groundwater Treatment System #1 STATUS: ON OFF

I: System Data Collection

Total Run Time Meter Reading: 10,421.1 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 | 15.0 | 59.0 | DDC-1 |
| 13:31 | Extracted From Well | TI-02 | 16.0 | 60.8 | DDC-2 |
| 13:33 | Pre-Heater Outlet | TI-03 | 24.0 | 75.2 | Post Shell and Tubing |
| 13:32 | Pre-Heater Input | TI-04 | 17.0 | 62.6 | Before Shell and Tubing |
| 13:31 | After Cooler Outlet | TI-05 | 24.0 | 75.2 | Post Cooler Reading |
| 13:32 | After Cooler Input | TI-06 | 35.0 | 95.0 | Before Cooler Reading |
| 13:32 | Blower Outlet | TI-07 | 45.0 | 113.0 | Going to Pre-heater |
| 13:33 | Between GAC Units | TI-08 | 23.0 | 73.4 | After GAC #1 |
| 13:33 | GAC Unit Output | TI-09 | 22.0 | 71.6 | After GAC #2 |

| 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:

1) Flow meter F0-1 not functioning. Air flow visually inspected at DDC-1 well head. Determined that DDC-1 bubbling sufficiently.

| Pressure/Vacuum Monitoring | | | | |
|----------------------------|-------------------|----------|---------------|--------------------------------|
| Time | Location | PI/VI-ID | Pressure | Comments |
| 13:30 | Discharge to Well | PI-01 | 2.2 PSI | DDC-1 |
| 13:30 | Discharge to Well | PI-02 | 2.2 PSI | DDC-2 |
| 13:30 | Drum | PI-03 | -29.0 in. H2O | Vacuum Reading Going to Blower |

DATE: 04/09/2012

DAY: Monday

TECHNICIAN: Rob Peterson

Weather: 55F, Sunny

TCE Groundwater Treatment System #1

Influent Port

| TIME | PID VOC ppm | Temp Deg. F |
|-------|-------------|-------------|
| 13:35 | 2.9 | 77.7 |

Comments: None

GAC Unit Information

Between GAC Unit #1 and GAC Unit #2

| TIME | PID VOC ppm | Temp Deg. F |
|-------|-------------|-------------|
| 13:38 | 0.1 | 68.8 |

Comments: None

Effluent Port

| TIME | PID VOC ppm | Temp Deg. F |
|-------|-------------|-------------|
| 13:41 | 0.0 | 69.3 |

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-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

System is operating satisfactorily

EA recommends / implements the following....

IV: Sampling / Lab Data

N/A

DATE: 04/09/2012

DAY: Monday

TECHNICIAN: Rob Peterson

Weather: 55F, Sunny

TCE Groundwater Treatment System #2 STATUS: ON OFF

I: System Data Collection

Total Run Time Meter Reading: 13,118.3 hours.
System Running at 41.0 Hz.

| Temperature Monitoring | | | | | |
|------------------------|---------------------|-------|--------------------|--------------------|-------------------------|
| Time | Location | TI-ID | Temperature deg. C | Temperature deg. F | Comments |
| 13:06 | Carbon Unit Inlet | CA01 | 22.0 | 71.6 | Carbon Unit #1 |
| 13:07 | Pre-Heater | PHA01 | 32.2 | 90.0 | After Shell and Tubing |
| 13:08 | Blower Panel | B01 | 69.0 | 156.2 | Exiting Blower |
| 13:07 | After Cooler Outlet | AC01 | 35.0 | 95.0 | Post Cooler Piping |
| 13:07 | Pre-Heater | PHB01 | 57.2 | 135.0 | Before Shell and Tubing |

| Flow Readings | | | |
|---------------|-------|-----------------------|------------|
| Time | TI-ID | Location | Flow (CFM) |
| 13:05 | WD01 | Injected Air to DDC-3 | 150 |
| 13:05 | WD02 | Injected Air to DDC-4 | 157 |

Comments: None

| Pressure/Vacuum Monitoring | | | | |
|----------------------------|-----------------------|-------|-------------|--|
| Time | Location | TI-ID | Pressure | Comments |
| 13:06 | Knock-Out Tank | T01 | 0.0 in. Hg | Vacuum gauge on knock-out tank |
| 13:06 | Carbon-Unit #1 Outlet | CA1 | -4.5 in. Hg | Vacuum exiting GAC #1 |
| 13:06 | Discharge to Wells | WD2 | 2.9 PSI | Pressure reading on piping prior to splicing off to both wells |
| 13:08 | Blower Panel | BP01 | -1.3 in. Hg | Vacuum coming off of blower |
| 13:06 | Carbon Unit #2 Outlet | CA2 | -4.0 in. Hg | Vacuum exiting GAC #2 |
| 13:20 | DDC-3 | N/A | 0.0 PSI | Pressure gauge on well head |
| 13:24 | DDC-4 | N/A | 0.0 PSI | Pressure gauge on well head |

DATE: 04/09/2012

DAY: Monday

TECHNICIAN: Rob Peterson

Weather: 55F, Sunny

TCE Groundwater Treatment System #2

GAC Unit Information

Influent Port GAC#1

| TIME | PID VOC ppm | Temp Deg. F |
|-------|-------------|-------------|
| 13:11 | 0.2 | 70.1 |

Comments: None

Influent Port GAC#2

| TIME | PID VOC ppm | Temp Deg. F |
|-------|-------------|-------------|
| 13:14 | 0.1 | 71.0 |

Comments: None

Effluent

| TIME | PID VOC ppm | Temp Deg. F |
|-------|-------------|-------------|
| 13:17 | 0.0 | 71.9 |

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-inches of water detected in sump. Sump pump non-operational. See additional comments. |
| DDC-4 | ~3-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

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

IV: Sampling / Lab Data

N/A

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: 18-Apr-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 | 11:30 - 12:30 | 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 |
| 11:30 - 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. |
| 11:44 - Start System #2 O&M. |
| 12:02 - System #2 O&M complete. System performing satisfactorily. |
| 12:05 - Start System #1 O&M. |
| 12:17 - System #1 O&M complete. System performing satisfactorily. |
| 12:30 - O&M for both systems complete. EA locked both systems and all parties off-site. |

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 - Designates report is continued on additional pages

EA Engineering

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

National Heatset Printing Site, Farmingdale, NY
 Contract No. , Site No. 152140
 Monitoring Table April 18, 2012

DATE: 04/18/2012

DAY: Wednesday

TECHNICIAN: Rob Peterson

Weather: 59F, Partly Cloudy

TCE Groundwater Treatment System #1 STATUS: ON OFF

I: System Data Collection

Total Run Time Meter Reading: 10,635.1 hours

System Running at: 30.0 Hz

| Temperature Monitoring | | | | | |
|------------------------|---------------------|-------|--------------------|--------------------|-------------------------|
| Time | Location | TI-ID | Temperature deg. C | Temperature deg. F | Comments |
| 12:07 | Extracted From Well | TI-01 | 15.0 | 59.0 | DDC-1 |
| 12:07 | Extracted From Well | TI-02 | 16.0 | 60.8 | DDC-2 |
| 12:09 | Pre-Heater Outlet | TI-03 | 25.0 | 77.0 | Post Shell and Tubing |
| 12:08 | Pre-Heater Input | TI-04 | 18.0 | 64.4 | Before Shell and Tubing |
| 12:07 | After Cooler Outlet | TI-05 | 24.0 | 75.2 | Post Cooler Reading |
| 12:08 | After Cooler Input | TI-06 | 34.0 | 93.2 | Before Cooler Reading |
| 12:09 | Blower Outlet | TI-07 | 45.0 | 113.0 | Going to Pre-heater |
| 12:09 | Between GAC Units | TI-08 | 24.0 | 75.2 | After GAC #1 |
| 12:09 | GAC Unit Output | TI-09 | 24.0 | 75.2 | After GAC #2 |

| Flow Readings | | | |
|---------------|-------|----------------------|-------------|
| Time | IF-ID | Location | Flow (SCFM) |
| 12:06 | FI-01 | Extracted From DDC-1 | --- |
| 12:06 | 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 bubbling sufficiently.

| Pressure/Vacuum Monitoring | | | | |
|----------------------------|-------------------|----------|---------------|-----------------------------------|
| Time | Location | PI/VI-ID | Pressure | Comments |
| 12:06 | Discharge to Well | PI-01 | 2.2 PSI | DDC-1 |
| 12:06 | Discharge to Well | PI-02 | 2.2 PSI | DDC-2 |
| 12:09 | Drum | PI-03 | -29.0 in. H2O | Vacuum Reading Going to Blower |

DATE: 04/18/2012

DAY: Wednesday

TECHNICIAN: Rob Peterson

Weather: 59F, Partly Cloudy

TCE Groundwater Treatment System #1

Influent Port

| TIME | PID VOC ppm | Temp Deg. F |
|-------|-------------|-------------|
| 12:11 | 0 | 78.2 |

Comments: None

GAC Unit Information
Between GAC Unit #1 and GAC Unit #2

| TIME | PID VOC ppm | Temp Deg. F |
|-------|-------------|-------------|
| 12:14 | 0.0 | 71.4 |

Comments: None

Effluent Port

| TIME | PID VOC ppm | Temp Deg. F |
|-------|-------------|-------------|
| 12:17 | 0.0 | 68.1 |

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-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. Plan to change oil tomorrow (19 April 2012). |
|--|

| | |
|--------------------|--|
| Addition Comments: | <i>Water was discharged from DDC-2 sump via a whale pump. The lines leading back to the system shed most likely contain water.</i> |
|--------------------|--|

III: System Evaluation

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

| |
|--|
| |
|--|

IV: Sampling / Lab Data

| |
|-----|
| N/A |
|-----|

DATE: 04/18/2012

DAY: Wednesday

TECHNICIAN: Rob Peterson

Weather: 59F, Partly Cloudy

TCE Groundwater Treatment System #2 STATUS: ON OFF

I: System Data Collection

Total Run Time Meter Reading: 13,332.9 hours.
System Running at 41.0 Hz.

| Temperature Monitoring | | | | | |
|------------------------|---------------------|-------|--------------------|--------------------|-------------------------|
| Time | Location | TI-ID | Temperature deg. C | Temperature deg. F | Comments |
| 11:44 | Carbon Unit Inlet | CA01 | 24.0 | 75.2 | Carbon Unit #1 |
| 11:46 | Pre-Heater | PHA01 | 32.2 | 90.0 | After Shell and Tubing |
| 11:47 | Blower Panel | B01 | 69.0 | 156.2 | Exiting Blower |
| 11:46 | After Cooler Outlet | AC01 | 36.7 | 98.0 | Post Cooler Piping |
| 11:47 | Pre-Heater | PHB01 | 57.2 | 135.0 | Before Shell and Tubing |

| Flow Readings | | | |
|---------------|-------|-----------------------|------------|
| Time | TI-ID | Location | Flow (CFM) |
| 11:44 | WD01 | Injected Air to DDC-3 | 150 |
| 11:44 | WD02 | Injected Air to DDC-4 | 157 |

Comments: None

| Pressure/Vacuum Monitoring | | | | |
|----------------------------|-----------------------|-------|-------------|--|
| Time | Location | TI-ID | Pressure | Comments |
| 11:45 | Knock-Out Tank | T01 | 0.0 in. Hg | Vacuum gauge on knock-out tank |
| 11:44 | Carbon-Unit #1 Outlet | CA1 | -4.5 in. Hg | Vacuum exiting GAC #1 |
| 11:45 | Discharge to Wells | WD2 | 2.3 PSI | Pressure reading on piping prior to splicing off to both wells |
| 11:47 | Blower Panel | BP01 | -1.3 in. Hg | Vacuum coming off of blower |
| 11:46 | Carbon Unit #2 Outlet | CA2 | -4.0 in. Hg | Vacuum exiting GAC #2 |
| 11:58 | DDC-3 | N/A | 0.0 PSI | Pressure gauge on well head |
| 12:02 | DDC-4 | N/A | 0.0 PSI | Pressure gauge on well head |

DATE: 04/18/2012

DAY: Wednesday

TECHNICIAN: Rob Peterson

Weather: 59F, Partly Cloudy

TCE Groundwater Treatment System #2

GAC Unit Information

Influent Port GAC#1

| TIME | PID VOC ppm | Temp Deg. F |
|-------|-------------|-------------|
| 11:50 | 0.0 | 71.0 |

Comments: None

Influent Port GAC#2

| TIME | PID VOC ppm | Temp Deg. F |
|-------|-------------|-------------|
| 11:53 | 0.0 | 71.9 |

Comments: None

Effluent

| TIME | PID VOC ppm | Temp Deg. F |
|-------|-------------|-------------|
| 11:56 | 0.0 | 70.9 |

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-inches of water detected in sump. Sump pump non-operational. See additional comments. |
| DDC-4 | ~3-inches of water detected in sump. Sump pump non-operational. See additional comments. |

| | |
|--------------------|--|
| Addition Comments: | <i>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. Plan to replace DDC-3 and DDC-4 pumps tomorrow (19 April 2012) under warranty.</i> |
|--------------------|--|

| 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. Plan to change oil tomorrow (19 April 2012). |

III: System Evaluation

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

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| |
|--|

IV: Sampling / Lab Data

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|-----|
| N/A |
|-----|