

February 10, 2004

Mr. Jeff Dyber, P.E.
Environmental Engineer 2
New York State Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Eastern Remedial Action
625 Broadway
Albany, New York 12233

**RE:** National Heatset Printing

Operation & Maintenance Report, January 2004

1 Adams Boulevard Farmingdale, New York NYSDEC Site 1-52-140

Dear Mr. Dyber:

This letter provides an overview of the ongoing operation of the soil vapor extraction (SVE) system for the National Heatset Printing Site in Farmingdale, New York (**Figure 1**) for the reporting period including January 2004. A site visit was performed by Shaw Environmental, Inc. (Shaw) personnel on January 6, 2004 in accordance with our contract with the Department.

#### **System Operation**

Operation of SVE system began on September 17, 2002. The SVE system was restarted after the installation of a blower control component during the January 6, 2004 site visit. SVE system operational data is summarized in **Table 1** and is presented as **Appendix A**.

The SVE blower operated at a flow of approximately 164 cfm and vacuum of 12 inches of water column as observed during the site visit. A flow of 98.5 cfm and a vacuum of 74 inches of water column were observed at the extraction well. The extraction well and dilution valves were both 50% open. Volatile organic compound (VOC) and tetrachloroethene (PCE) concentrations from the extraction well were observed to be 110 and 100 ppm, respectively. The positioning of the well extraction and dilution air valves will be modified based on continued monitoring of VOC concentrations.

No water was collected from the knockout vessel during this reporting period. A small quantity of water has been collected during the previous reporting periods and placed in an accumulation

drum for storage until the drum has been filled, at which time proper characterization and disposal procedures will be followed.

VOC concentrations of 247 ppm and a PCE concentration of 250 ppm were observed at the VGAC influent port during the site visit. Non-detect VOC and PCE concentrations were observed from the VGAC mid and effluent sampling ports.

#### **Monitoring Probes**

A vacuum of 1.8 inches of water column was observed at vapor monitoring point VP-1 and 0.20 inches of water column was observed at VP-2 during the site visit. Vacuum influence was not observed at VP-3. Monitoring of the vapor points will continue during future site visits.

#### PCE Removal

The estimated mass of PCE removed by the SVE system has not changed between the November 24, 2003 and January 6, 2004 site visits because the SVE system was idle during that period. Now that the SVE system has been restarted, PCE removal calculations will be included in the next Operation & Maintenance Report. A summary of the estimated PCE mass removal over time is presented in **Table 2**.

#### Air Discharge Monitoring

Shaw personnel did not collect a sample of the system effluent air for laboratory analyses during the January 6, 2004 site visit. Sampling of the system effluent air stream will resume during future site visits. Air sample analytical results are presented in **Table 3**.

Field monitoring of the system discharge conducted during the site visit indicated non-detect concentrations of PCE and total VOCs. A summary of the field monitoring and laboratory air discharge monitoring results is presented as **Table 4**.

#### Conclusions and Recommendations

Based on the data collected from the SVE system during this reporting period, Shaw recommends continued operation of the SVE system at 1 Adams Boulevard. As site conditions change, adjustments will be made to optimize the system operation.

Please do not hesitate to contact me at 518-783-1996 with any questions you might have regarding this report.

Sincerely,

Shaw Environmental, Inc.

John A. Skaarup Project Engineer

Cc: File

Attachments: Tables

**Figures** 

Appendix A - Site Visit Documentation

### **TABLES**

### TABLE 1 SUMMARY OF SOL VAPOR EXTRACTION SYSTEM READINGS NATIONAL HEATSET PRINTING 1 ADAMS BLVD., FARMINGDALE, NY

|            |                   | Run Time<br>Visit ( |                     |          |                         |                      | Extraction<br>Well   |                   |                 |              |                  |               | Influ           | ent SVE       |              |              |               | Mic       | I GAC      |          |               | Effic     | ient GAC   |  |
|------------|-------------------|---------------------|---------------------|----------|-------------------------|----------------------|----------------------|-------------------|-----------------|--------------|------------------|---------------|-----------------|---------------|--------------|--------------|---------------|-----------|------------|----------|---------------|-----------|--|--|
|            | Run Time<br>Meter | en en en            |                     |          | Operation<br>Time Since | Dilution<br>Valve    | MW-F<br>Valve        | Air Flow          |                 | Dilution     | Pre-<br>Dilution | Blower        | Vacuum          | -             | 3            | 5            | -             | 1         | PID        | PCE      | Class         | Tomn      | PID  | PCE  |
| Date       | Reading (hours)   | Available           |                     | Actual   | Last Visit (%)          | Position<br>(% Open) | Position (%<br>Open) | at Well<br>(scfm) | (inches<br>H2O) | PID<br>(ppm) | PCE<br>(ppm)     | Flow<br>(cfm) | (inches<br>H2O) | Temp.<br>(°F) | PID<br>(ppm) | PCE<br>(ppm) | Flow<br>(cfm) | lemp.     | (ppm)      | (ppm)    | Flow<br>(cfm) | (°F)      | (ppm)  | (ppm)  |
| 9/18/2002  |                   |                     | Π                   |          |                         |                      |                      |                   |                 |              |                  | SVE P         | ILOT TEST       | START         | UP           |              |               |           |            |          |               |           |  |  |
| 9/30/2002  | 304               | 294                 | /                   | 294      | 100%                    | 100                  | 50                   | 34.5              | 5               | 2,000        | 500              | 256           | 25              | 107.2         | 1,015        |              | 317           | 102.3     |            |          | 290           | 89.5      | 0  |  |
| 10/14/2002 | 642               | 343                 | 7                   | 338      | 99%                     | 100                  | 50                   | 38                | 7               | 1,011        | 400              | 258           | 27              |               | 75.3         | 50           |               |           |            |          |               |           | 0  | <del></del>                                      |
| 11/19/2002 | 1508              | 882                 | 1                   | 866      | 98%                     | 100                  | 50                   | 49                | 12              | 0            | 0                | 120           | 28              | 106           | 0            | 0            | 209           | 92        | 0          |          | 290           | 80.3      | 0  | <del></del>                                      |
| 12/4/2002  |                   | 368                 | 1                   | ı        |                         |                      | <u> </u>             |                   |                 | 77           | 200              |               |                 | 1             | 14.3         | 10           |               |           | 15.5       | 10       |               |           | 0  | 0  |
| 12/16/2002 | 2153              | 294                 | 1                   | 645      | 98%                     | 100                  | 50                   | 36.5              | 10              | 560          | 200              | 253           | 28              | 92            | 46.4         | 50           | 302           | 60        | 3.4        |          | 340           | 53.9      | 0  |  |
| 1/21/2003  | 3016              | 882                 | 1                   | 863      | 98%                     | 100                  | 50                   |                   |                 |              |                  | 70            | 52              | 98            | 0            | 0            | 220           |           | 0          |          | 220           |           | 22   | 10   |
| 2/10/2003  | 3496              | 490                 |                     | 480      | 98%                     | 100                  | 50                   | 38                |                 | 639          | 400              | 262           | 27              | 102           | 72           | 50           | 266           | 90        | 26         | 10       | 258           | 83<br>117 | 3.2  | 10   |
| 3/18/2003  | 4360              | 882                 | 1                   | 864      | 98%                     | 100                  | 50                   | 92                | 12              | 125          | 100              | 266           | 25              | 123           | 15           | 10           | 278           | 124       | 100        | 0        | 282           |           | 0.6  | 1 · 0  |
| 4/29/2003  | 5359              | 1029                | 7                   | 999      | 97%                     | 75                   | 50                   | 75                | 50              | 152          | 50               | 132           | 16              | 118.5         | 48.2         | 25           | 302           | 96        | 18.6       | 10       | 287           | 97        | 0.6  | -  |
| 5/13/2003  | 5700              | 343                 | 14                  | 341      | 99%                     | 75                   | 50                   | 78                |                 | 127          | 50               | 239           | 48_             | 130           | 41.8         | 50           | 246           | 108       | 46<br>25.1 | 25<br>25 | 245           | 150       | 29.8   | 100  |
| 6/30/2003  | 6850              | 1176                | 1/                  | 1150     | 98%                     | 50                   | 50                   | 115               | 32              | 82.4         | 50               | 140           | 66_             | 173           | 36.8         | 50           | 198           | 157<br>76 | 25.1       | 0        | 222           | 81.9      | 29.0   | 100  |
| 7/10/2003  | 6851              | 245                 | $\perp \prime \mid$ | 1        | 0%                      | 50                   | 50                   | 99.5              | 25              | 406          | 400              | 151           | 68_             | 156           | 221          | 215          | 260           | 107       | 0          |          | 222           | 106       | 0  |  |
| 7/22/2003  | 7144              | 294                 | 14                  | 294      | 100%                    | 50                   | 50                   |                   |                 | 127          |                  | 100           |                 | 168           | 65           |              | 291           |           | 55.4       | 10       | 232           |           | 35.6   | 10   |
| 8/26/2003  | 7957              | 858                 | $\perp \perp$       | 813      | 95%                     | 50                   | 50                   | 79                | 13.5            | 137          | 10               | 186           | 65              | 170           | 51.4         | 30           |               | 124       | 00.4       | 10       | 210           | 110       | 0  | <del>                                     </del> |
| 9/23/2003  | 8274              | 686                 | $\perp \perp$       | 317      | 46%                     | 50                   | 50                   | 218               | 33              | 141          | 15               | 194           | 64              | 160           | 55           | 25           | 254<br>214    | 124       | 30.7       | 15       | 225           | 112       | 0  | <del>                                     </del> |
| 10/21/2003 | 8945              | 686                 | $\perp$             | 671_     | 98%                     | 50                   | 50                   | 166               | 45              |              | 20               | 158           | 68              | 166           | 37.5         | 200          | 225           | 52        | 30.7       | 0        | 205           | 51.4      | <del>                                     </del> | <del>                                     </del> |
| 11/24/2003 | 9749              | 833                 | $\square$           | 805      | 97%                     | 50                   | 50                   | 130               | 46              | 141          | 125              | 178           | 72              | 138           | 261<br>247   | 250          | 225           | 48.6      | <u> </u>   | 1 0      | 200           | 48.4      | 1 0  | <del>  0</del>                                   |
| 1/6/2004   | 9750              | 1054                | L'                  | <u> </u> | 0%                      | 50                   | 50                   | 98.5              | 74              | 118          | 100              | 164           | 12              | 140           | 247          | ∠50          | 224           | 40.0      | <u> </u>   |          | 200           | 40.4      | 1  |  |

#### Notes:

PID = Total VOC concentration measured with photoionization detector

ppm = parts per million (volume/volume basis)

PCE = Tetrachloroethene (PCE) concentration measured with Drager tube of 10-500 ppm range

scfm = standard cubic feet per minute

cfm = cubic feet per minute

Influent SVE = Readings collected between the SVE Blower and the Carbon Units

Mid GAC = Readings collected between the lead and lag carbon units

Effluent GAC = Readings collected after the lag carbon unit

GAC = granular activated carbon unit

-- = measurement not recorded

# TABLE 2 PCE REMOVAL ESTIMATE NATIONAL HEATSET PRINTING

#### NATIONAL HEATSET PRINTING 1 ADAMS BLVD., FARMINGDALE, NY

|            | VOC Influent | PCE Influent<br>Concentration |      | Extraction Well | Elapsed Time<br>Since Last Visit | PCE Removal Since Last Visit | Cumulative<br>PCE Removal |  |  |  |
|------------|--------------|-------------------------------|------|-----------------|----------------------------------|------------------------------|---------------------------|--|--|--|
| Date       | * (ppmv)     | * (ppmv)                      |      | Flow Rate (cfm) |                                  | (lb)                         | ( <b>l</b> b)             |  |  |  |
| 9/18/2002  |              |                               |      |                 |                                  |                              |                           |  |  |  |
| 9/30/2002  | 2,000        | 500                           | 25.0 | 34.5            | 12                               | 126                          | 126                       |  |  |  |
| 10/14/2002 | 1,011        | 400                           | 39.6 | 38              | 14                               | 129                          | 255                       |  |  |  |
| 11/19/2002 | . 0          | 0                             |      | 49              | 36                               | 116                          | 371                       |  |  |  |
| 12/16/2002 | 560          | 200                           | 35.7 | 36.5            | 27                               | 70                           | 441                       |  |  |  |
| 1/13/2003  | 485          | 400                           | 82.5 | 28.5            | 28                               | 157                          | 597                       |  |  |  |
| 1/21/2003  | 0            | 0                             |      | 0               | 8                                | 63                           | 660                       |  |  |  |
| 2/10/2003  | 639          | 400                           | 62.6 | 38              | 20                               | 65                           | 725                       |  |  |  |
| 3/5/2003   | 263          | 200                           | 76.0 | 24.4            | 23                               | 132                          | 856                       |  |  |  |
| 3/18/2003  | 125          | 100                           | 80.0 | 92              | 13                               | 77                           | 934                       |  |  |  |
| 4/29/2003  | 152          | 50                            | 32.9 | 75              | 42                               | 109                          | 1,042                     |  |  |  |
| 5/13/2003  | 127          | 50                            | 39.4 | 78              | 14                               | 65                           | 1,107                     |  |  |  |
| 6/30/2003  | 82.4         | 50                            | 60.7 | 115             | 48                               | 91                           | 1,198                     |  |  |  |
| 7/22/2003  | 406          | 400                           | 98.5 | 99.5            | 12                               | 416                          | 1,615                     |  |  |  |
| 8/26/2003  | 137          | 10                            | 7.3  | 79              | 35                               | 291                          | 1,906                     |  |  |  |
| 9/23/2003  | 141          | 15                            | 10.6 | 218             | 14                               | 30                           | 1,936                     |  |  |  |
| 10/21/2003 | 37.5         | 20                            | 53.3 | 166             | 28                               | 42                           | 1,978                     |  |  |  |
| 11/24/2003 | 141          | 125                           | 88.7 | 130             | 34                               | 179                          | 2,157                     |  |  |  |
| 1/6/2004   | 118          | 100                           | 84.7 | 98.5            | 43                               |                              | 2,157                     |  |  |  |

#### Notes:

Removal Rate = [(flow(cfm)\*influent conc.(ppmv)\*MW\*12.187)/(273.15+C)]\*1 cu. m./35.31 cu. ft\*1g/1000 mg\*1 lb/453.6 g\*6( \*days of operation

#### Where:

MW = molecular weight
Molecular weight (MW) of PCE is 165.85
C = degrees centigrade, assumed to be 25
lb = pounds
cfm = cubic feet per minute
ppmv = parts per million (volume/volume basis)

<sup>\* =</sup> VOC concentrations of 2,000 ppm and PCE concentrations of 500 ppm are greater than the limit of their respective monitoring device and are to be taken as estimations.

TABLE 3
AIR SAMPLE ANALYTICAL RESULTS
NATIONAL HEATSET PRINTING
1 ADAMS BLVD., FARMINGDALE, NY

| SVE Influent Concentration (mg/m3) |                        |                         |                 |  |  |  |  |
|------------------------------------|------------------------|-------------------------|-----------------|--|--|--|--|
| Date                               | cis-1,2-Dichloroethene | Tetrachloroethene (PCE) | Trichloroethene |  |  |  |  |
| 9/18/2002                          | 5                      | 600E                    | 31              |  |  |  |  |
| 9/30/2002                          | ND (5)                 | 360E                    | 23              |  |  |  |  |
| 10/14/2002                         |                        |                         |                 |  |  |  |  |
| 11/19/2002                         |                        |                         | <b></b>         |  |  |  |  |

| VGAC Effluent Concentration (mg/m3) |                        |                         |                 |  |  |  |  |  |
|-------------------------------------|------------------------|-------------------------|-----------------|--|--|--|--|--|
| Date                                | cis-1,2-Dichloroethene | Tetrachloroethene (PCE) | Trichloroethene |  |  |  |  |  |
| 9/18/2002                           |                        |                         |                 |  |  |  |  |  |
| 9/30/2002                           |                        | <b>-</b>                |                 |  |  |  |  |  |
| 10/14/2002                          |                        |                         |                 |  |  |  |  |  |
| 11/19/2002                          |                        |                         | <b></b>         |  |  |  |  |  |
| 12/16/2002                          | ND (5)                 | ND (5)                  | ND (5)          |  |  |  |  |  |
| 1/21/2003                           |                        |                         |                 |  |  |  |  |  |
| 2/10/2003                           | ND (5)                 | 8                       | 6               |  |  |  |  |  |
| 3/18/2003                           |                        | <b>-</b>                |                 |  |  |  |  |  |
| 4/29/2003                           |                        |                         |                 |  |  |  |  |  |
| 5/13/2003                           | ND (1)                 | 5                       | ND (1)          |  |  |  |  |  |
| 6/30/2003                           |                        |                         |                 |  |  |  |  |  |
| 7/22/2003                           | ND (1)                 | ND (1)                  | ND (1)          |  |  |  |  |  |
| 8/26/2003                           | ND (5)                 | 29                      | 3.6             |  |  |  |  |  |
| 9/23/2003                           | ND (5)                 | ND (5)                  | ND (5)          |  |  |  |  |  |
| 10/21/2003                          | ND (5)                 | ND (5)                  | ND (5)          |  |  |  |  |  |
| 11/24/2003                          |                        |                         |                 |  |  |  |  |  |
| 1/6/2004                            |                        |                         |                 |  |  |  |  |  |

#### Notes:

Only compounds that were detected above the method reporting limit were presented above ND(5) = Not detected above method reporting limit in parenthesis

E = Concentation exceeded calibration range

SVE = Soil vapor extraction

VGAC = vapor-phase granular activated carbon unit

mg/m3 = milligrams per cubic meter

-- = sample not collected

# TABLE 4 AIR DISCHARGE MONITORING NATIONAL HEATSET PRINTING 1 ADAMS BLVD., FARMINGDALE, NY

|            | 1                  | Control of the Contro |               |         | and the second second                   |  |               |                         | Constant in the constant in th |                               |               |            |
|------------|--------------------|--|---------------|---------|---|--|---------------|-------------------------|--|-------------------------------|---------------|------------|
|            |                    | Field Monitoring   |               |         | AND RESERVE AND PROPERTY OF SECURITIONS | Laboratory Discharge ba<br>Results Monit |               | ased on Field<br>toring | Discha   | Discharge based on Laboratory |               |            |
|            | System<br>Effluent | PCE System<br>Effluent   | System        | -12     | 0.0                                     | F0F                                      | PCE           | PCE                     | PCE  | PCE                           | TCE           | TCE        |
|            |                    | 4.5  | Effluent VOC  | Elapsed | PCE                                     | TCE                                      | Discharge     | Discharge               | Discharge  | Discharge                     | Discharge     | Discharge  |
|            | Flow Rate          | Concentration  | Concentration | Time    | (mg/cu                                  |  | Since Last    | Since Last              | THE RESERVE OF THE PERSON NAMED IN   | Since Last                    | Since Last    | Since Last |
| Date       | (cfm)              | (ppmv)   | (ppmv)        | (day)   | m.)                                     | m.)                                      | Visit (lb/hr) | Visit (lb)              | Visit: lb/hr   | Visit (lb)                    | Visit (lb/hr) | Visit (lb) |
| 9/18/2002  | 000                |  |               | - 10    | <u> </u>                                | VE PILO                                  | T TEST STAR   | TUP                     |  |                               |               |            |
| 9/30/2002  | 290                |  | 0             | 12.     |   |  |               |                         |  |                               | -             |            |
| 10/14/2002 |                    |  | 0             | 14      |   |  |               |                         |  |                               |               |            |
| 11/19/2002 | 290                |  | 0             | 36      |   |  |               |                         |  |                               |               |            |
| 12/16/2002 | 340                |  | 0             | 27      | ND (5)                                  | ND (5)                                   |               |                         | 0.00   | 0.00                          | 0.00          | 0.00       |
| 1/13/2003  | 45                 | 0  |               | 28      |   |  | 0.0000        | 0.00                    |  |                               |               |            |
| 1/21/2003  | 220                |  | 0             | 8       |   |  |               |                         |  | _                             |               |            |
| 2/10/2003  | 258                | 10   | 3.2           | 20      | 8.0                                     | 6.0                                      | 0.0654        | 31.40                   | 0.008  | 3.71                          | 0.006         | 2.78       |
| 3/5/2003   | 305                |  | 0             | 23      | -                                       |  |               |                         |  |                               |               |            |
| 3/18/2003  | 282                | 0  | 0             | 13      | -                                       |  | 0.0000        | 0.00                    |  |                               |               |            |
| 4/29/2003  | 287                | 0  | 0.6           | 42      |   |  | 0.0000        | 0.00                    | -  |                               | _             |            |
| 5/13/2003  | 245                | 0  | 0.6           | 14      | 5.0                                     | ND (1)                                   | 0.0000        | 0.00                    | 0.005  | 1.54                          | 0.00          | 0.00       |
| 6/30/2003  | 240                | 100  | 29.8          | 48      |   |  | 0.3043        | 350.56                  |  |                               |               |            |
| 7/22/2003  | 222                |  | 0             | 12      | ND (1)                                  | ND (1)                                   | -             |                         | 0.00   | 0.00                          | 0.00          | 0.00       |
| 8/26/2003  | 232                | 10   | 35.6          | 35      | 29.0                                    | 3.6                                      | 0.0588        | 49.42                   | 0.025  | 21.17                         | 0.003         | 2.63       |
| 9/23/2003  | 210                | 0  | 0             | 28      | ND (5)                                  | ND (5)                                   | 0.0000        | 0.00                    | 0.000  | 0.00                          | 0.000         | 0.00       |
| 10/21/2003 | 225                | 0  | 0             | 28      | ND (5)                                  | ND (5)                                   | 0.0000        | 0.00                    | 0.000  | 0.00                          | 0.000         | 0.00       |
| 11/24/2003 | 205                | 0  | 0             | 34      |   |  | 0.0000        | 0.00                    |  |                               |               |            |
| 1/6/2004   | 200                | 0  | 0             | 43      |   |  | 0.0000        | 0.00                    |  |                               |               |            |
| Totals:    |                    |  |               |         |   |  |               | 431.38                  |  | 26.42                         |               | 5.41       |

#### Notes:

-- = Measurement not recorded

Discharge Rate (Field Monitoring, lb/hr) = [(flow(cfm)\*influent conc.(ppmv)\*MW\*12.187)/(273.15+C)]\*1 cu. m./35.31 cu. ft\*1g/1000 mg\*1 lb/453.6 g\*60 min/1 hr Discharge (lb) = Discharge Rate (lb/hr) \* # of days\*24hours/day\*60 minutes/hr

Discharge Rate (Lab Results, Ib/hr) = flow (cfm)\*effluent conc. (mg/cu. m.)\*1g/1000mg\*1lb/453.6g\*1cu. m./35.31cu. ft\*60min/1 hr Discharge (lb) = Discharge Rate (mg/cu. m) \* # of days\*24hours/day\*60 minutes/hr

#### Where:

MW = molec

Molecular weight (MW) of PCE is 165.85, Molecular weight (MW) of TCE is 131.4

C = degrees centigrade, assumed to be 25

cfm = cubic feet per minute

mg/cu. m = milligrams per cubic meter

ppmv = parts per million (volume/volume basis)

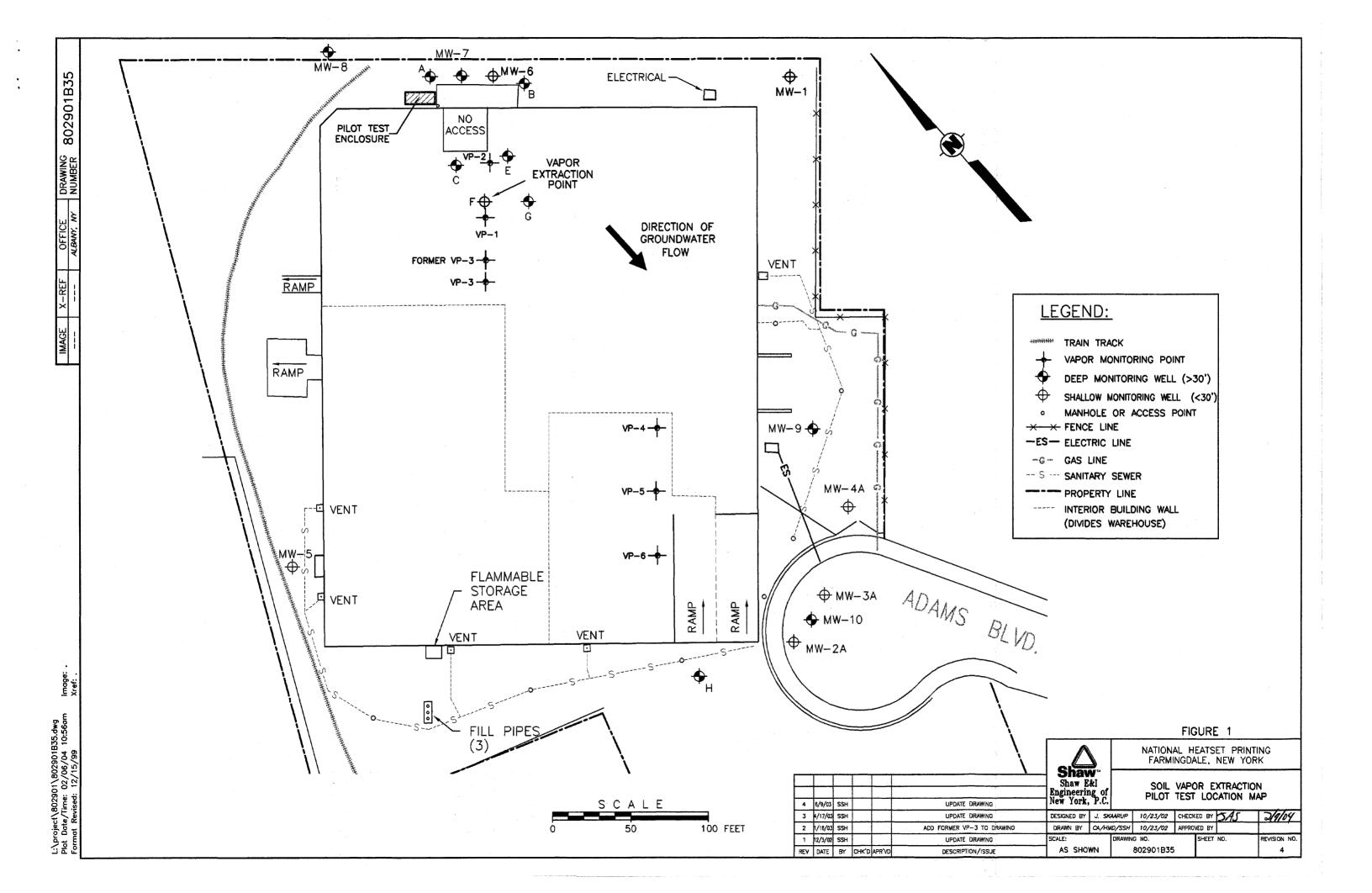
lb = pounds

hr = hours

| Permit Limit |       |       |  |  |  |  |  |
|--------------|-------|-------|--|--|--|--|--|
|              | lb/hr | lb/yr |  |  |  |  |  |
| PCE          | 0.031 | 270   |  |  |  |  |  |
| TCE          | 0.014 | 120   |  |  |  |  |  |

<sup>\*:</sup> Total VOC Discharge = PCE lab result + TCE lab result

### FIGURES



# APPENDIX A SITE VISIT DOCUMENTATION

### **National Heatset Printing**

1 Adams Boulevard, Farmingdale, New York Shaw Environmental, Inc. Job/Task Number 802901/06010000

| Personnel: R. H. WD &   | Time: /2; 😂  |
|---|--|
| Weather: Sumay Cool   | Date: 1-6-04   |
|   |  |
| System Status:  |  |
| Arrival: // 4)  |  |
| Departure: 1400 Run Timer Reading: 09750,30                       |  |
| Electric Meter Reading: 4625                                      | <del>```````````</del>   |
|   | ***************************************  |
| System Data:  |  |
| Fitzer Man Wall F Oats Value                                      |  |
| Extraction Well F Gate Valve: 50 % Open Dilution Valve: 50 % Open |  |
| Dilution Valve: % Open  |  |
| Pre-Bleed Air (Extraction Well):                                  | Post-Bleed Air (SVE <sub>*</sub> Influent):  |
| Flow: P 985 CFM   | Flow: <u>164</u> CFM   |
| Vacuum: 74 "H2O   | Vacuum: 17 "H2O  |
| PID Reading: <u>118</u> PPM                                       | PID Reading: 247 PPM   |
| Draeger Tube: 100 PPM   | Draeger Tube: 250 PPM  |
| Temperature: <u>'\'\'</u> °F                                      | Temperature: 140 °F  |
| Carbon Monitoring:  |  |
| Mid: 0.0 PPM 224 CFM  | √√√√ Temp. (°F)  |
| Effluent: PPM 2W CFM  | UY:4 Temp. (°F) (7 PPM (Drager)  |
|   |  |
| Carbon effluent sample collected & shipped to lab?                |  |
| Knockout Tank Drained?  |  |
| # Gallons:  | A STATE OF THE STA |
| Purge water drums on-site:  |  |
| a digo tracor diamo on oito.                                      |  |
| Monitoring Well Gauging / Vapor Point Monitoring:                 |  |
| Well/V.P. ID: MW-C MW-E MW-F MW-G                                 | VP-1 VP-2 VP-3 VP-4 VP-5 VP-6  |
| DTW (ft): 17.15 17.20 17.40                                       | 17.4 DRV 16.62   |
| Vac. (" H2O):   | 18 020 0   |
|   |  |
| Comments:   |  |
| Upon Arrival Installed were or                                    | ner LOAD System KesTrated  |
| Without Friedent Checker Prining                                  | g Amps All IN Check with wome  |
| Jose Continued the Cam.   |  |
|   |  |
| Closest Pok with Trong Hormers                                    |  |
| 100 WIT IRANG HORMERE   | 18 Pooks / T. Ch - = 1   |
| offices. hotel How Du n=  | 13 PARKING LOTIN FRONT OF Eagle Box  |
| ttres. WeTA HON Pole 133  | 270  |
| lecture meter   | 3 TAMES FORMERS. Couldnot locate   |
|   |  |