

*Letter of Transmittal*

RECEIVED

AUG 05 2002

To: Saiban Mahamoothr

NYSDEC

21 South Putt Corners Road

New Paltz, NY 12561

Date: 8/1/02

Earth Tech I.D.

Attention: Saiban Mahamooth

Subject: NOW Corporation

WE ARE SENDING YOU:

- |                                              |                                       |                                                                                                         |
|----------------------------------------------|---------------------------------------|---------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Attached | <input type="checkbox"/> Prints       | <input type="checkbox"/> Under separate cover via _____ the following items:                            |
| <input type="checkbox"/> Shop Drawings       | <input type="checkbox"/> Change Order | <input type="checkbox"/> Plans <input type="checkbox"/> Samples <input type="checkbox"/> Specifications |
| <input type="checkbox"/> Copy of Letter      |                                       | <input type="checkbox"/> _____                                                                          |

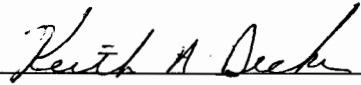
| COPIES | DATE   | NO. | DESCRIPTION                                              |
|--------|--------|-----|----------------------------------------------------------|
| 2      | 8/1/02 |     | Operation, Maintenance and Monitoring Report - July 2001 |
|        |        |     | Aug-Dec 2001, May 2002                                   |
|        |        |     |                                                          |
|        |        |     |                                                          |

THESE ARE TRANSMITTED AS CHECKED BELOW:

- |                                                  |                                                   |                                                               |
|--------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------|
| <input type="checkbox"/> For Approval            | <input type="checkbox"/> Approved as submitted    | <input type="checkbox"/> Resubmit _____ copies for approval   |
| <input checked="" type="checkbox"/> For your use | <input type="checkbox"/> Approved as noted        | <input type="checkbox"/> Submit _____ copies for distribution |
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REMARKS:

Copy to: File

Signed: 

**Operation, Maintenance and Monitoring Report**  
**May 2002**

**RECEIVED**

AUG 05 2002

**NOW Corporation Site**  
**Site 3-14-008**

**Work Assignment No.**  
**D003821-29**

Prepared for:



**SUPERFUND STANDBY PROGRAM**  
**New York State**  
**Department of Environmental Conservation**  
625 Broadway  
Albany, New York 12233

Prepared by:

Earth Tech of New York, Inc.  
40 British American Boulevard  
Latham, New York 12110

**Table 1**  
**Summary of Influent and Effluent Data**

**NOW Corporation Site**  
**Town of Clinton, New York**

| Effluent<br>Parameters   | 05/15/02    |            | TW-1       | TW-2A       | TW-3       | Treatment<br>Requirements |                |
|--------------------------|-------------|------------|------------|-------------|------------|---------------------------|----------------|
|                          | Influent    | Effluent   |            |             |            | (units)                   |                |
| Flow                     | NA          | 19,114     |            |             |            | Monitor                   | gpd            |
| pH                       | 6.8         | 6.8        |            |             |            | 6.5 to 8.5                | standard units |
| Vinyl Chloride           | ND          | ND         | ND         | ND          | ND         | 2                         | ug/L           |
| Chloroethane             | ND          | ND         | ND         | ND          | ND         | 5                         | ug/L           |
| 1,1-Dichloroethene       | <b>33</b>   | ND         | <b>28</b>  | <b>38</b>   | <b>9</b>   | 0.5                       | ug/L           |
| trans-1,2-Dichloroethene | ND          | ND         | ND         | ND          | ND         | 5                         | ug/L           |
| 1,1-Dichloroethane       | <b>230</b>  | ND         | <b>270</b> | <b>260</b>  | <b>77</b>  | 5                         | ug/L           |
| cis-1,2-Dichloroethene   | <b>18</b>   | ND         | <b>17</b>  | <b>20</b>   | ND         | 5                         | ug/L           |
| 1,1,1-Trichloroethane    | <b>1600</b> | ND         | <b>710</b> | <b>2300</b> | <b>120</b> | 5                         | ug/L           |
| Benzene                  | ND          | ND         | ND         | ND          | ND         | 0.8                       | ug/L           |
| 1,2-Dichloroethane       | ND          | ND         | ND         | ND          | ND         | 1.6                       | ug/L           |
| Trichloroethene          | <b>420</b>  | ND         | <b>240</b> | <b>610</b>  | <b>37</b>  | 5                         | ug/L           |
| Toluene                  | ND          | ND         | ND         | ND          | ND         | 5                         | ug/L           |
| 1,1,2-Trichloroethane    | ND          | ND         | ND         | ND          | ND         | 1.2                       | ug/L           |
| Tetrachloroethene        | ND          | ND         | ND         | ND          | ND         | 1.4                       | ug/L           |
| Chlorobenzene            | ND          | ND         | ND         | ND          | ND         | 5                         | ug/L           |
| Ethylbenzene             | ND          | ND         | ND         | ND          | ND         | 5                         | ug/L           |
| 1,2- and 1,4-Xylenes     | ND          | ND         | ND         | ND          | ND         | 10                        | ug/L           |
| 1,3-Xylene               | ND          | ND         | ND         | ND          | ND         | 5                         | ug/L           |
| Aluminum, Total          | ND          | ND         |            |             |            | 2000                      | ug/L           |
| Arsenic, Total           | ND          | ND         |            |             |            | 50                        | ug/L           |
| Barium, Total            | <b>90</b>   | <b>80</b>  |            |             |            | 2000                      | ug/L           |
| Chromium                 | ND          | ND         |            |             |            | 100                       | ug/L           |
| Copper                   | ND          | ND         |            |             |            | 24                        | ug/L           |
| Iron                     | ND          | ND         |            |             |            | 600                       | ug/L           |
| Manganese                | <b>170</b>  | ND         |            |             |            | 600                       | ug/L           |
| Mercury                  | ND          | ND         |            |             |            | 0.8                       | ug/L           |
| Nickel                   | ND          | ND         |            |             |            | 200                       | ug/L           |
| Zinc                     | ND          | ND         |            |             |            | 150                       | ug/L           |
| Oil and Grease           | ND          | ND         |            |             |            | 15                        | mg/L           |
| Cyanide                  | ND          | ND         |            |             |            | 10                        | ug/L           |
| TDS                      | <b>370</b>  | <b>322</b> |            |             |            | 1000                      | mg/L           |
| TSS                      | ND          | ND         |            |             |            | 50                        | mg/L           |

**Notes:**

- 1) Positive results are presented in **bold** typeface.
  - 2) ND indicates Not Detected at or above the laboratory reporting limit.
  - 3) NA indicates Not Applicable.
  - 4) "J" indicates an estimated concentration below the method detection limit.
  - 5) Boxed in **bold** denotes exceedance of treatment requirements.
- \* Average daily flow as measured May 15, 2002 to May 29, 2002.

**Table 2**  
**Summary of May 2002 O&M Data**

**NOW Corporation Site**  
**Town of Clinton, New York**

| <b>Instrumentation/Readings:</b>      |                                            | <b>5/15/02</b> | <b>5/29/02</b> | <b>units</b>            |
|---------------------------------------|--------------------------------------------|----------------|----------------|-------------------------|
| <b><i>TW-1</i></b>                    |                                            |                |                |                         |
|                                       | Pumping Rate                               | NW             | 4              | GPM                     |
|                                       | Water Level Above Transducer               | NW             | NW             | feet                    |
|                                       | Flow Meter Reading                         | 8,871,300      | 8,953,900      | gallons                 |
|                                       | Pump Pressure                              | 75             | 78             | psi                     |
| <b><i>TW-2A</i></b>                   |                                            |                |                |                         |
|                                       | Pumping Rate                               | NW             | NW             | GPM                     |
|                                       | Water Level Above Transducer               | NW             | NW             | feet                    |
|                                       | Flow Meter Reading                         | 14,491,600     | 14,690,000     | gallons                 |
|                                       | Pump Pressure                              | 62             | 50             | psi                     |
| <b><i>TW-3</i></b>                    |                                            |                |                |                         |
|                                       | Pumping Rate                               | 2              | 4              | GPM                     |
|                                       | Water Level Above Transducer               | NW             | NW             | feet                    |
|                                       | Flow Meter Reading                         | 5,705,200      | 5,780,600      | gallons                 |
|                                       | Pump Pressure                              | 92             | 75             | psi                     |
| <b><i>Air Stripper</i></b>            |                                            |                |                |                         |
|                                       | Stripper Blower Pressure                   | 20             | 18             | inches H <sub>2</sub> O |
|                                       | Air Temperature in Stripper                | 48             | 52             | °F                      |
|                                       | Pressure Gauge - Left Leg                  | 1              | 1.2            | inches H <sub>2</sub> O |
|                                       | Pressure Gauge - Right Leg                 | 1              | 0.3            | inches H <sub>2</sub> O |
|                                       | Pressure/Vacuum on the Stripper            |                | NW             | inches H <sub>2</sub> O |
| <b><i>Sand Filter</i></b>             |                                            |                |                |                         |
|                                       | Influent Pressure                          | 16             | 17             | psi                     |
|                                       | Effluent Pressure                          | 8              | 7              | psi                     |
|                                       | <i>Differential Pressure Across Filter</i> | 8              | 10             | psi                     |
| <b><i>Effluent Flow</i></b>           |                                            |                |                |                         |
|                                       | Total System Meter Reading                 | 24,968,800     | 25,236,400     | gallons                 |
|                                       | IW-1 Flow Meter Reading                    | 1,281,938      | 1,287,984      | gallons                 |
|                                       | IW-2 Flow Meter Reading                    | 1,748,748      | 1,748,748      | gallons                 |
| <b><i>Vapor Extraction System</i></b> |                                            |                |                |                         |
|                                       | Vapor Blower Vacuum                        | NW             | 9.0            | inches Hg               |
|                                       | Vacuum before Filter with Dilution Air     | NW             | 8.5            | inches Hg               |
|                                       | Vacuum on Knock-out Pot                    | NW             | 12.5           | inches Hg               |
|                                       | Blower Inlet Temperature                   | NW             | 80             | °F                      |
|                                       | Blower Outlet Temperature                  | NW             | 206            | °F                      |
|                                       | Pressure After Blower                      | NW             | 44             | psi                     |
|                                       | Heat Exchanger Outlet Temperature          | NW             | 80             | °F                      |

*Note: N/A indicates Not Available.*

*NW - Not working*

**Table 3**  
**Summary of May 2002 Water Levels**

**NOW Corporation Site**  
**Town of Clinton, New York**

| Well ID | M.P.<br>Elevation | 5/15/02                       |              | 5/29/02                       |              |
|---------|-------------------|-------------------------------|--------------|-------------------------------|--------------|
|         |                   | Depth to Water<br>(ft b.m.p.) | GW Elevation | Depth to Water<br>(ft b.m.p.) | GW Elevation |
| MW-1    | 289.50            | 10.44                         | 279.06       | 12.24                         | 277.26       |
| MW-2    | 332.51            | 28.00                         | 304.51       | 28.07                         | 304.44       |
| MW-3    | 312.83            | 27                            | 285.83       | 26.58                         | 286.25       |
| MW-3S   | 312.51            | 25.14                         | 287.37       | 24.79                         | 287.72       |
| MW-4    | 298.29            | 21.42                         | 276.87       | 23.22                         | 275.07       |
| MW-4D   | 298.16            | 21.24                         | 276.92       | 23.05                         | 275.11       |
| MW-5    | 285.48            | 17.87                         | 267.61       | 18.58                         | 266.90       |
| MW-6S   | 287.90            | 4.24                          | 283.66       | 6.2                           | 281.70       |
| MW-6D   | 287.25            | 6.94                          | 280.31       | 9.53                          | 277.72       |
| MW-7S   | 292.12            | 20.48                         | 271.64       | 25.52                         | 266.60       |
| MW-7D   | 292.54            | 44.55                         | 247.99       | 48.80                         | 243.74       |
| MW-8    | 283.65            | N/A                           | #VALUE!      | N/A                           | #VALUE!      |
| MW-9    | 275.37            | N/A                           | #VALUE!      | N/A                           | #VALUE!      |
| MW-10   | 280.92            | N/A                           | N/A          | N/A                           | #VALUE!      |
| MW-11   | 283.72            | N/A                           | #VALUE!      | N/A                           | #VALUE!      |
| OW-1    | 307.75            | 45.00                         | 262.75       | 46.45                         | 261.30       |
| OW-2    | 305.96            | 64.51                         | 241.45       | 61.78                         | 244.18       |
| OW-3    | 307.35            | N/A                           | #VALUE!      | N/A                           | #VALUE!      |
| OW-4    | 308.30            | N/A                           | #VALUE!      | N/A                           | #VALUE!      |
| OW-5    | 307.41            | N/A                           | #VALUE!      | N/A                           | #VALUE!      |
| OW-6    | 294.81            | 4.38                          | 290.43       | 5.32                          | 289.49       |
| IW-1    | 312.46            | 19.17                         | 293.29       | 8.78                          | 303.68       |
| IW-2    | 306.56            | 7.43                          | 299.13       | 4.15                          | 302.41       |
| TW-2    | 290.52            | N/A                           | #VALUE!      | N/A                           | #VALUE!      |

*Note: N/A indicates Not Available.*

**Table 4**  
**May 2002 Groundwater Treatment System Air Sampling Data**  
 NOW Corporation Site  
 Town of Clinton, New York

| Analyte                | TW-1VE<br>05/15/02   |    | TW-2AVE<br>05/15/02 |    | VE-1VE<br>05/15/02 |    | VE-2VE<br>05/15/02 |    | ST-1<br>05/15/02 |    | SVE-EXH<br>05/15/02 |    | ST-4<br>05/15/02 |    |
|------------------------|----------------------|----|---------------------|----|--------------------|----|--------------------|----|------------------|----|---------------------|----|------------------|----|
|                        | Results              | RL | Results             | RL | Results            | RL | Results            | RL | Results          | RL | Results             | RL | Results          | RL |
|                        | No Samples Collected |    |                     |    |                    |    |                    |    |                  |    |                     |    |                  |    |
| Vinyl Chloride         |                      | 25 |                     | 25 |                    | 25 |                    | 25 |                  | 25 |                     | 25 |                  | 25 |
| Chloroethane           |                      | 25 |                     | 25 |                    | 25 |                    | 25 |                  | 25 |                     | 25 |                  | 25 |
| 1,1-Dichloroethene     |                      | 25 |                     | 25 |                    | 25 |                    | 25 |                  | 25 |                     | 25 |                  | 25 |
| 1,1-Dichloroethane     |                      | 25 |                     | 25 |                    | 25 |                    | 25 |                  | 25 |                     | 25 |                  | 25 |
| cis-1,2-Dichloroethene |                      | 25 |                     | 25 |                    | 25 |                    | 25 |                  | 25 |                     | 25 |                  | 25 |
| 1,1,1-Trichloroethane  |                      | 25 |                     | 25 |                    | 25 |                    | 25 |                  | 25 |                     | 25 |                  | 25 |
| 1,2-Dichloroethane     |                      | 25 |                     | 25 |                    | 25 |                    | 25 |                  | 25 |                     | 25 |                  | 25 |
| Benzene                |                      | 25 |                     | 25 |                    | 25 |                    | 25 |                  | 25 |                     | 25 |                  | 25 |
| Trichloroethene        |                      | 25 |                     | 25 |                    | 25 |                    | 25 |                  | 25 |                     | 25 |                  | 25 |
| Toluene                |                      | 25 |                     | 25 |                    | 25 |                    | 25 |                  | 25 |                     | 25 |                  | 25 |
| 1,1,2-Trichloroethane  |                      | 25 |                     | 25 |                    | 25 |                    | 25 |                  | 25 |                     | 25 |                  | 25 |
| Tetrachloroethene      |                      | 25 |                     | 25 |                    | 25 |                    | 25 |                  | 25 |                     | 25 |                  | 25 |
| Chlorobenzene          |                      | 25 |                     | 25 |                    | 25 |                    | 25 |                  | 25 |                     | 25 |                  | 25 |
| Ethylbenzene           |                      | 25 |                     | 25 |                    | 25 |                    | 25 |                  | 25 |                     | 25 |                  | 25 |
| p&m -Xylene            |                      | 25 |                     | 25 |                    | 25 |                    | 25 |                  | 25 |                     | 25 |                  | 25 |
| o-Xylene               |                      | 25 |                     | 25 |                    | 25 |                    | 25 |                  | 25 |                     | 25 |                  | 25 |

**Notes:**

- 1) All results are reported in ppbv.
- 2) Positive results are presented in **bold** typeface.
- 3) ND indicates Not Detected (Below RL).
- 4) RL = Reporting Limit

**Legend:**

TW-1VE=Well TW-1 Vapor Extraction  
 TW-2AVE=Well TW-2A Vapor Extraction  
 VE-1VE=Well VE-1 Vapor Extraction  
 VE-2VE=Well VE-2 Vapor Extraction  
 ST-1 = Sampling Tap #1 (Raw; Four Vapor Extraction Wells Combined)  
 SVE-EXH = Intermediate Sampling Tap, Between (2) 55-gal. Drum Carbon Adsorbers  
 ST-4 = Sampling Tap #4 (Final, After 2nd Carbon Adsorber)

**Table 5**  
**May 2002 Groundwater Treatment System Air Sampling Data**  
**NOW Corporation Site**  
**Town of Clinton, New York**

| Analyte                | Post Air Stripper (PAS) |    |
|------------------------|-------------------------|----|
|                        | 12/26/01                |    |
|                        | Results                 | RL |
|                        | No Sample Collected     |    |
| Vinyl Chloride         |                         | 25 |
| Chloroethane           |                         | 25 |
| 1,1-Dichloroethene     |                         | 25 |
| 1,1-Dichloroethane     |                         | 25 |
| cis-1,2-Dichloroethene |                         | 25 |
| 1,1,1-Trichloroethane  |                         | 25 |
| 1,2-Dichloroethane     |                         | 25 |
| Benzene                |                         | 25 |
| Trichloroethene        |                         | 25 |
| Toluene                |                         | 25 |
| 1,1,2-Trichloroethane  |                         | 25 |
| Tetrachloroethene      |                         | 25 |
| Chlorobenzene          |                         | 25 |
| Ethylbenzene           |                         | 25 |
| p&m -Xylene            |                         | 25 |
| o-Xylene               |                         | 25 |

*Notes:*

- 1) All results are reported in ppbv .
- 2) Positive results are presented in **bold** typeface.
- 3) ND indicates Not Detected (Below RL).
- 4) RL = Reporting Limit



**Experience is the solution**

314 North Pearl Street • Albany, New York 12207 • 800-848-4983 • (518) 434-4546 • Fax (518) 434-0891

LABORATORY REPORT

for

Earth Tech, Inc.  
40 British American Blvd.  
Latham, NY 12110

Attention: Keith Decker

PJ:32413.10400

Report date: 05/29/02  
Number of samples analyzed: 6  
AES Project ID: 020515AM  
Invoice #: 242023

ELAP ID#: 10709

AIHA ID#: 100307

Page

1





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CLIENT: Earth Tech, Inc.  
CLIENT'S SAMPLE ID: EFF.  
AES sample #: 020515AM01

Date Sampled: 05/15/02  
Date sample received: 05/15/02  
Location: Now Corp.  
grab

Samples taken by: R. Gray  
MATRIX: Water

| <u>PARAMETER PERFORMED</u> | <u>METHOD</u> | <u>RESULT</u> | <u>UNITS</u> | <u>NOTEBOOK REF</u> | <u>TEST DATE</u> |
|----------------------------|---------------|---------------|--------------|---------------------|------------------|
| Total Suspended Solids     | EPA-160.2     | <1            | mg/l         | JK-E-22             | 05/17/02         |
| Total Dissolved Solids     | SW-846        | 322           | mg/l         | LS-E-16             | 05/17/02         |
| Oil & Grease               | EPA-9070      | <1            | mg/l         | JK-E-42             | 05/16/02         |
| Cyanide, Total             | EPA-9012      | <0.01         | mg/l         | MC-J                | 05/23/02         |
| Zinc                       | EPA-6010      | <0.01         | mg/l         | SM-I-3H-43          | 05/28/02         |
| Aluminum                   | EPA-6010      | <0.1          | mg/l         | SM-I-3H-43          | 05/28/02         |
| Arsenic                    | EPA-6010      | <0.005        | mg/l         | SM-I-3H-43          | 05/28/02         |
| Barium                     | EPA-6010      | 0.08          | mg/l         | SM-I-3H-43          | 05/28/02         |
| Copper                     | EPA-6010      | <0.005        | mg/l         | SM-I-3H-43          | 05/28/02         |
| Chromium                   | EPA-6010      | <0.005        | mg/l         | SM-I-3H-43          | 05/28/02         |
| Iron                       | EPA-6010      | <0.05         | mg/l         | SM-I-3H-43          | 05/28/02         |
| Manganese                  | EPA-6010      | <0.02         | mg/l         | SM-I-3H-43          | 05/28/02         |
| Mercury                    | EPA-7471      | <0.0004       | mg/l         | SM-HG-A118          | 05/16/02         |
| Nickel                     | EPA-6010      | <0.05         | mg/l         | SM-I-3H-43          | 05/28/02         |
| Benzene                    | EPA-8260      | <0.5          | ug/l         | MG-SAT-E42          | 05/23/02         |
| Chlorobenzene              | EPA-8260      | <0.5          | ug/l         | MG-SAT-E42          | 05/23/02         |
| Chloroethane               | EPA-8260      | <0.5          | ug/l         | MG-SAT-E42          | 05/23/02         |
| 1,1-Dichloroethane         | EPA-8260      | <0.5          | ug/l         | MG-SAT-E42          | 05/23/02         |
| 1,2-Dichloroethane         | EPA-8260      | <0.5          | ug/l         | MG-SAT-E42          | 05/23/02         |
| cis-1,2-Dichloroethene     | EPA-8260      | <0.5          | ug/l         | MG-SAT-E42          | 05/23/02         |



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CLIENT: Earth Tech, Inc.  
CLIENT'S SAMPLE ID: EFF.  
AES sample #: 020515AM01

Samples taken by: R. Gray  
MATRIX: Water

Date Sampled: 05/15/02  
Date sample received: 05/15/02  
Location: Now Corp.  
grab

continued:

| <u>PARAMETER PERFORMED</u> | <u>METHOD</u> | <u>RESULT</u> | <u>UNITS</u> | <u>NOTEBOOK REF</u> | <u>TEST DATE</u> |
|----------------------------|---------------|---------------|--------------|---------------------|------------------|
| trans-1,2-Dichloroethene   | EPA-8260      | <0.5          | ug/l         | MG-SAT-E42          | 05/23/02         |
| 1,1-Dichloroethene         | EPA-8260      | <0.5          | ug/l         | MG-SAT-E42          | 05/23/02         |
| Ethylbenzene               | EPA-8260      | <0.5          | ug/l         | MG-SAT-E42          | 05/23/02         |
| Tetrachloroethene          | EPA-8260      | <0.5          | ug/l         | MG-SAT-E42          | 05/23/02         |
| Toluene                    | EPA-8260      | <0.5          | ug/l         | MG-SAT-E42          | 05/23/02         |
| 1,1,1-Trichloroethane      | EPA-8260      | <0.5          | ug/l         | MG-SAT-E42          | 05/23/02         |
| 1,1,2-Trichloroethane      | EPA-8260      | <0.5          | ug/l         | MG-SAT-E42          | 05/23/02         |
| Trichloroethene            | EPA-8260      | <0.5          | ug/l         | MG-SAT-E42          | 05/23/02         |
| Vinyl Chloride             | EPA-8260      | <0.5          | ug/l         | MG-SAT-E42          | 05/23/02         |
| m,p-Xylene                 | EPA-8260      | <0.5          | ug/l         | MG-SAT-E42          | 05/23/02         |
| o-Xylene                   | EPA-8260      | <0.5          | ug/l         | MG-SAT-E42          | 05/23/02         |



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CLIENT: Earth Tech, Inc.  
CLIENT'S SAMPLE ID: INF.  
AES sample #: 020515AM02

Samples taken by: R. Gray  
MATRIX: Water

Date Sampled: 05/15/02  
Date sample received: 05/15/02  
Location: Now Corp.  
grab

| <u>PARAMETER PERFORMED</u> | <u>METHOD</u> | <u>RESULT</u> | <u>UNITS</u> | <u>NOTEBOOK REF</u> | <u>TEST DATE</u> |
|----------------------------|---------------|---------------|--------------|---------------------|------------------|
| Total Suspended Solids     | EPA-160.2     | <1            | mg/l         | JK-E-26             | 05/21/02         |
| Total Dissolved Solids     | SW-846        | 370           | mg/l         | LS-E-16             | 05/17/02         |
| Oil & Grease               | EPA-9070      | <1            | mg/l         | JK-E-42             | 05/16/02         |
| Cyanide, Total             | EPA-9012      | <0.01         | mg/l         | MC-J                | 05/28/02         |
| Zinc                       | EPA-6010      | <0.01         | mg/l         | SM-I-3H-43          | 05/28/02         |
| Aluminum                   | EPA-6010      | <0.1          | mg/l         | SM-I-3H-43          | 05/28/02         |
| Arsenic                    | EPA-6010      | <0.005        | mg/l         | SM-I-3H-43          | 05/28/02         |
| Barium                     | EPA-6010      | 0.09          | mg/l         | SM-I-3H-43          | 05/28/02         |
| Copper                     | EPA-6010      | <0.005        | mg/l         | SM-I-3H-43          | 05/28/02         |
| Chromium                   | EPA-6010      | <0.005        | mg/l         | SM-I-3H-43          | 05/28/02         |
| Iron                       | EPA-6010      | <0.05         | mg/l         | SM-I-3H-43          | 05/28/02         |
| Manganese                  | EPA-6010      | 0.17          | mg/l         | SM-I-3H-43          | 05/28/02         |
| Mercury                    | EPA-7471      | <0.0004       | mg/l         | SM-HG-A118          | 05/16/02         |
| Nickel                     | EPA-6010      | <0.05         | mg/l         | SM-I-3H-43          | 05/28/02         |
| Benzene                    | EPA-8260      | <5            | ug/l         | MG-SAT-E42          | 05/23/02         |
| Chlorobenzene              | EPA-8260      | <5            | ug/l         | MG-SAT-E42          | 05/23/02         |
| Chloroethane               | EPA-8260      | <10           | ug/l         | MG-SAT-E42          | 05/23/02         |
| 1,1-Dichloroethane         | EPA-8260      | 230           | ug/l         | MG-SAT-E42          | 05/23/02         |
| 1,2-Dichloroethane         | EPA-8260      | <5            | ug/l         | MG-SAT-E42          | 05/23/02         |
| cis-1,2-Dichloroethene     | EPA-8260      | 18            | ug/l         | MG-SAT-E42          | 05/23/02         |



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CLIENT: Earth Tech, Inc.  
CLIENT'S SAMPLE ID: INF.  
AES sample #: 020515AM02

Samples taken by: R. Gray  
MATRIX: Water

Date Sampled: 05/15/02  
Date sample received: 05/15/02  
Location: Now Corp.  
grab

continued:

| <u>PARAMETER PERFORMED</u> | <u>METHOD</u> | <u>RESULT</u> | <u>UNITS</u> | <u>NOTEBOOK REF</u> | <u>TEST DATE</u> |
|----------------------------|---------------|---------------|--------------|---------------------|------------------|
| trans-1,2-Dichloroethene   | EPA-8260      | <5            | ug/l         | MG-SAT-E42          | 05/23/02         |
| 1,1-Dichloroethene         | EPA-8260      | 33            | ug/l         | MG-SAT-E42          | 05/23/02         |
| Ethylbenzene               | EPA-8260      | <5            | ug/l         | MG-SAT-E42          | 05/23/02         |
| Tetrachloroethene          | EPA-8260      | <5            | ug/l         | MG-SAT-E42          | 05/23/02         |
| Toluene                    | EPA-8260      | <5            | ug/l         | MG-SAT-E42          | 05/23/02         |
| 1,1,1-Trichloroethane      | EPA-8260      | 1600          | ug/l         | MG-SAT-E42          | 05/23/02         |
| 1,1,2-Trichloroethane      | EPA-8260      | <5            | ug/l         | MG-SAT-E42          | 05/23/02         |
| Trichloroethene            | EPA-8260      | 420           | ug/l         | MG-SAT-E42          | 05/23/02         |
| Vinyl Chloride             | EPA-8260      | <10           | ug/l         | MG-SAT-E42          | 05/23/02         |
| m,p-Xylene                 | EPA-8260      | <5            | ug/l         | MG-SAT-E42          | 05/23/02         |
| o-Xylene                   | EPA-8260      | <5            | ug/l         | MG-SAT-E42          | 05/23/02         |



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CLIENT: Earth Tech, Inc.  
CLIENT'S SAMPLE ID: TW-1  
AES sample #: 020515AM03

Date Sampled: 05/15/02  
Date sample received: 05/15/02  
Location: Now Corp.  
grab

Samples taken by: R. Gray  
MATRIX: Water

| <u>PARAMETER PERFORMED</u> | <u>METHOD</u> | <u>RESULT</u> | <u>UNITS</u> | <u>NOTEBOOK REF</u> | <u>TEST DATE</u> |
|----------------------------|---------------|---------------|--------------|---------------------|------------------|
| Benzene                    | EPA-8260      | <5            | ug/l         | MG-SAT-E42          | 05/23/02         |
| Chlorobenzene              | EPA-8260      | <5            | ug/l         | MG-SAT-E42          | 05/23/02         |
| Chloroethane               | EPA-8260      | <10           | ug/l         | MG-SAT-E42          | 05/23/02         |
| 1,1-Dichloroethane         | EPA-8260      | 270           | ug/l         | MG-SAT-E42          | 05/23/02         |
| 1,2-Dichloroethane         | EPA-8260      | <5            | ug/l         | MG-SAT-E42          | 05/23/02         |
| cis-1,2-Dichloroethene     | EPA-8260      | 17            | ug/l         | MG-SAT-E42          | 05/23/02         |
| trans-1,2-Dichloroethene   | EPA-8260      | <5            | ug/l         | MG-SAT-E42          | 05/23/02         |
| 1,1-Dichloroethene         | EPA-8260      | 28            | ug/l         | MG-SAT-E42          | 05/23/02         |
| Ethylbenzene               | EPA-8260      | <5            | ug/l         | MG-SAT-E42          | 05/23/02         |
| Tetrachloroethene          | EPA-8260      | <5            | ug/l         | MG-SAT-E42          | 05/23/02         |
| Toluene                    | EPA-8260      | <5            | ug/l         | MG-SAT-E42          | 05/23/02         |
| 1,1,1-Trichloroethane      | EPA-8260      | 710           | ug/l         | MG-SAT-E42          | 05/23/02         |
| 1,1,2-Trichloroethane      | EPA-8260      | <5            | ug/l         | MG-SAT-E42          | 05/23/02         |
| Trichloroethene            | EPA-8260      | 240           | ug/l         | MG-SAT-E42          | 05/23/02         |
| Vinyl Chloride             | EPA-8260      | <10           | ug/l         | MG-SAT-E42          | 05/23/02         |
| m,p-Xylene                 | EPA-8260      | <5            | ug/l         | MG-SAT-E42          | 05/23/02         |
| o-Xylene                   | EPA-8260      | <5            | ug/l         | MG-SAT-E42          | 05/23/02         |



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CLIENT: Earth Tech, Inc.  
CLIENT'S SAMPLE ID: TW-2A  
AES sample #: 020515AM04

Samples taken by: R. Gray  
MATRIX: Water

Date Sampled: 05/15/02  
Date sample received: 05/15/02  
Location: Now Corp.  
grab

| <u>PARAMETER PERFORMED</u> | <u>METHOD</u> | <u>RESULT</u> | <u>UNITS</u> | <u>NOTEBOOK REF</u> | <u>TEST DATE</u> |
|----------------------------|---------------|---------------|--------------|---------------------|------------------|
| Benzene                    | EPA-8260      | <5            | ug/l         | MG-SAT-E42          | 05/23/02         |
| Chlorobenzene              | EPA-8260      | <5            | ug/l         | MG-SAT-E42          | 05/23/02         |
| Chloroethane               | EPA-8260      | <10           | ug/l         | MG-SAT-E42          | 05/23/02         |
| 1,1-Dichloroethane         | EPA-8260      | 260           | ug/l         | MG-SAT-E42          | 05/23/02         |
| 1,2-Dichloroethane         | EPA-8260      | <5            | ug/l         | MG-SAT-E42          | 05/23/02         |
| cis-1,2-Dichloroethene     | EPA-8260      | 20            | ug/l         | MG-SAT-E42          | 05/23/02         |
| trans-1,2-Dichloroethene   | EPA-8260      | <5            | ug/l         | MG-SAT-E42          | 05/23/02         |
| 1,1-Dichloroethene         | EPA-8260      | 38            | ug/l         | MG-SAT-E42          | 05/23/02         |
| Ethylbenzene               | EPA-8260      | <5            | ug/l         | MG-SAT-E42          | 05/23/02         |
| Tetrachloroethene          | EPA-8260      | <5            | ug/l         | MG-SAT-E42          | 05/23/02         |
| Toluene                    | EPA-8260      | <5            | ug/l         | MG-SAT-E42          | 05/23/02         |
| 1,1,1-Trichloroethane      | EPA-8260      | 2300          | ug/l         | MG-SAT-E42          | 05/23/02         |
| 1,1,2-Trichloroethane      | EPA-8260      | <5            | ug/l         | MG-SAT-E42          | 05/23/02         |
| Trichloroethene            | EPA-8260      | 610           | ug/l         | MG-SAT-E42          | 05/23/02         |
| Vinyl Chloride             | EPA-8260      | <10           | ug/l         | MG-SAT-E42          | 05/23/02         |
| m,p-Xylene                 | EPA-8260      | <5            | ug/l         | MG-SAT-E42          | 05/23/02         |
| o-Xylene                   | EPA-8260      | <5            | ug/l         | MG-SAT-E42          | 05/23/02         |



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CLIENT: Earth Tech, Inc.  
CLIENT'S SAMPLE ID: TW-3  
AES sample #: 020515AM05

Samples taken by: R. Gray  
MATRIX: Water

Date Sampled: 05/15/02  
Date sample received: 05/15/02  
Location: Now Corp.  
grab

| <u>PARAMETER PERFORMED</u> | <u>METHOD</u> | <u>RESULT</u> | <u>UNITS</u> | <u>NOTEBOOK REF</u> | <u>TEST DATE</u> |
|----------------------------|---------------|---------------|--------------|---------------------|------------------|
| Benzene                    | EPA-8260      | <5            | ug/l         | MG-SAT-E42          | 05/23/02         |
| Chlorobenzene              | EPA-8260      | <5            | ug/l         | MG-SAT-E42          | 05/23/02         |
| Chloroethane               | EPA-8260      | <10           | ug/l         | MG-SAT-E42          | 05/23/02         |
| 1,1-Dichloroethane         | EPA-8260      | 77            | ug/l         | MG-SAT-E42          | 05/23/02         |
| 1,2-Dichloroethane         | EPA-8260      | <5            | ug/l         | MG-SAT-E42          | 05/23/02         |
| cis-1,2-Dichloroethene     | EPA-8260      | <5            | ug/l         | MG-SAT-E42          | 05/23/02         |
| trans-1,2-Dichloroethene   | EPA-8260      | <5            | ug/l         | MG-SAT-E42          | 05/23/02         |
| 1,1-Dichloroethene         | EPA-8260      | 9             | ug/l         | MG-SAT-E42          | 05/23/02         |
| Ethylbenzene               | EPA-8260      | <5            | ug/l         | MG-SAT-E42          | 05/23/02         |
| Tetrachloroethene          | EPA-8260      | <5            | ug/l         | MG-SAT-E42          | 05/23/02         |
| Toluene                    | EPA-8260      | <5            | ug/l         | MG-SAT-E42          | 05/23/02         |
| 1,1,1-Trichloroethane      | EPA-8260      | 120           | ug/l         | MG-SAT-E42          | 05/23/02         |
| 1,1,2-Trichloroethane      | EPA-8260      | <5            | ug/l         | MG-SAT-E42          | 05/23/02         |
| Trichloroethene            | EPA-8260      | 37            | ug/l         | MG-SAT-E42          | 05/23/02         |
| Vinyl Chloride             | EPA-8260      | <10           | ug/l         | MG-SAT-E42          | 05/23/02         |
| m,p-Xylene                 | EPA-8260      | <5            | ug/l         | MG-SAT-E42          | 05/23/02         |
| o-Xylene                   | EPA-8260      | <5            | ug/l         | MG-SAT-E42          | 05/23/02         |



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CLIENT: Earth Tech, Inc.  
CLIENT'S SAMPLE ID: Trip Blank  
AES sample #: 020515AM06

Samples taken by: R. Gray  
MATRIX: Water

Date Sampled: 05/15/02  
Date sample received: 05/15/02  
Location: Now Corp.  
grab

| <u>PARAMETER PERFORMED</u> | <u>METHOD</u> | <u>RESULT</u> | <u>UNITS</u> | <u>NOTEBOOK REF</u> | <u>TEST DATE</u> |
|----------------------------|---------------|---------------|--------------|---------------------|------------------|
| Benzene                    | EPA-8260      | <0.5          | ug/l         | MG-SAT-E42          | 05/23/02         |
| Chlorobenzene              | EPA-8260      | <0.5          | ug/l         | MG-SAT-E42          | 05/23/02         |
| Chloroethane               | EPA-8260      | <0.5          | ug/l         | MG-SAT-E42          | 05/23/02         |
| 1,1-Dichloroethane         | EPA-8260      | <0.5          | ug/l         | MG-SAT-E42          | 05/23/02         |
| 1,2-Dichloroethane         | EPA-8260      | <0.5          | ug/l         | MG-SAT-E42          | 05/23/02         |
| cis-1,2-Dichloroethene     | EPA-8260      | <0.5          | ug/l         | MG-SAT-E42          | 05/23/02         |
| trans-1,2-Dichloroethene   | EPA-8260      | <0.5          | ug/l         | MG-SAT-E42          | 05/23/02         |
| 1,1-Dichloroethene         | EPA-8260      | <0.5          | ug/l         | MG-SAT-E42          | 05/23/02         |
| Ethylbenzene               | EPA-8260      | <0.5          | ug/l         | MG-SAT-E42          | 05/23/02         |
| Tetrachloroethene          | EPA-8260      | <0.5          | ug/l         | MG-SAT-E42          | 05/23/02         |
| Toluene                    | EPA-8260      | <0.5          | ug/l         | MG-SAT-E42          | 05/23/02         |
| 1,1,1-Trichloroethane      | EPA-8260      | <0.5          | ug/l         | MG-SAT-E42          | 05/23/02         |
| 1,1,2-Trichloroethane      | EPA-8260      | <0.5          | ug/l         | MG-SAT-E42          | 05/23/02         |
| Trichloroethene            | EPA-8260      | <0.5          | ug/l         | MG-SAT-E42          | 05/23/02         |
| Vinyl Chloride             | EPA-8260      | <0.5          | ug/l         | MG-SAT-E42          | 05/23/02         |
| m,p-Xylene                 | EPA-8260      | <0.5          | ug/l         | MG-SAT-E42          | 05/23/02         |
| o-Xylene                   | EPA-8260      | <0.5          | ug/l         | MG-SAT-E42          | 05/23/02         |

APPROVED BY:   
Report date: 05/29/02



020515 Am

| Project Number<br>32413.10400                                                                         |                                         | Project Name/Client<br>EARTH TECH<br>Now CORP. |         | Custody Seal #                                   |              | Earth Tech Cooler #                                                                     |             |                                                                                                          |             |
|-------------------------------------------------------------------------------------------------------|-----------------------------------------|------------------------------------------------|---------|--------------------------------------------------|--------------|-----------------------------------------------------------------------------------------|-------------|----------------------------------------------------------------------------------------------------------|-------------|
| Sample Custodian: (Signature)<br><i>Roger Gray</i>                                                    |                                         |                                                |         | Matrix                                           |              |                                                                                         |             |                                                                                                          |             |
| Item No.                                                                                              | Sample Description<br>(Field ID Number) | Date                                           | Time    | PID Reading<br>(ppm)                             | Label Number | Analysis Required                                                                       | Sample Type | Sample Container                                                                                         |             |
| 1                                                                                                     | EFF                                     | 5/15                                           | 5:15-02 | 10:10                                            | X            | EPA 8460<br>METALS: Zn,<br>AL, AS, BA, CA,<br>AG, HG, NI,<br>TDS, TSS<br>O+G<br>CYANIDE | GC          | 40 mL                                                                                                    |             |
| 2                                                                                                     |                                         |                                                | 10:15   |                                                  |              |                                                                                         | X           | 1                                                                                                        |             |
| 3                                                                                                     |                                         |                                                | 10:20   |                                                  |              |                                                                                         |             | 1                                                                                                        |             |
| 4                                                                                                     |                                         |                                                | 10:25   |                                                  |              |                                                                                         |             | 1                                                                                                        |             |
| 5                                                                                                     |                                         |                                                | 10:30   |                                                  |              |                                                                                         |             | 1                                                                                                        |             |
| 6                                                                                                     | INF                                     | 5/15                                           | 10:35   |                                                  | X            |                                                                                         |             | 2                                                                                                        |             |
| 7                                                                                                     |                                         |                                                | 10:40   |                                                  |              |                                                                                         |             | 1                                                                                                        |             |
| 8                                                                                                     |                                         |                                                | 10:45   |                                                  |              |                                                                                         |             | 1                                                                                                        |             |
| 9                                                                                                     |                                         |                                                | 10:50   |                                                  |              |                                                                                         |             | 1                                                                                                        |             |
| 10                                                                                                    |                                         |                                                | 10:55   |                                                  |              |                                                                                         |             | 1                                                                                                        |             |
| 11                                                                                                    | TW-1 AM03                               | 5/15                                           | 11:00   |                                                  | X            |                                                                                         |             | 2                                                                                                        |             |
| 12                                                                                                    | TW-2 AM04                               | 5/15                                           | 11:05   |                                                  | X            |                                                                                         |             | 2                                                                                                        |             |
| 13                                                                                                    | TW-3 AM05                               | 5/15                                           | 11:10   |                                                  | X            |                                                                                         |             | 2                                                                                                        |             |
| 14                                                                                                    | TRIP BLANK AM06                         |                                                |         |                                                  | X            |                                                                                         |             | 1                                                                                                        |             |
| 15                                                                                                    |                                         |                                                |         |                                                  |              |                                                                                         |             |                                                                                                          |             |
| 16                                                                                                    |                                         |                                                |         |                                                  |              |                                                                                         |             |                                                                                                          |             |
| 17                                                                                                    |                                         |                                                |         |                                                  |              |                                                                                         |             |                                                                                                          |             |
| 18                                                                                                    |                                         |                                                |         |                                                  |              |                                                                                         |             |                                                                                                          |             |
| Relinquished by: (Signature)<br><i>Roger Gray</i>                                                     |                                         | Date / Time<br>5/15/02 1:40                    |         | Received by: (Signature)<br><i>M. CP</i>         |              | Disposed of by: (Signature)                                                             |             | Items:                                                                                                   | Date / Time |
| Relinquished by: (Signature)                                                                          |                                         | Date / Time                                    |         | Received by: (Signature)                         |              | Disposed of by: (Signature)                                                             |             | Items:                                                                                                   | Date / Time |
| Send Lab Results To:<br>KEITH DECKER<br>EARTH TECH<br>40 BRITISH AMERICAN BLVD.<br>LATHAM, N.Y. 12110 |                                         |                                                |         | Remarks:<br>Federal Express Airbill No.:<br>Lab: |              |                                                                                         |             | Laboratory Receiving Notes:<br>Custody Seal Intact?<br>Temp. of Shipping Container:<br>Sample Condition: |             |

White Copy - Lab      Yellow Copy - File      Pink Copy - Client

# **Operation, Maintenance and Monitoring Report June 2002**

**NOW Corporation Site  
Site 3-14-008**

**Work Assignment No.  
D003821-29**

**RECEIVED**  
DEC 11 2002  
NYS DEC  
REGION 3-NEW PALTZ

Prepared for:



**SUPERFUND STANDBY PROGRAM  
New York State  
Department of Environmental Conservation  
625 Broadway  
Albany, New York 12233**

Prepared by:

**Earth Tech of New York, Inc.  
40 British American Boulevard  
Latham, New York 12110**

November 25, 2002

Mr. Saiban Mahamooth  
NYSDEC Region 3  
21 South Putt Corners Road  
New Paltz, New York 12561

Re: NOW Corporation - Site #3-14-008  
Monthly Summary Report – June 2002

Dear Mr. Mahamooth:

Earth Tech is pleased to provide you with a monthly summary report for the operation, monitoring and maintenance of the groundwater treatment system at the NOW Corporation site in the Town of Clinton, New York.

Telephone

518.951.2200

Facsimile

518.951.2300

This report covers the operation, maintenance and monitoring of the vapor extraction system and the groundwater pump and treatment system for the month of June 2002. In summary, approximately 141,100 gallons of water were treated during the reporting period.

During our routinely scheduled operation and maintenance activities Earth Tech visited the site on June 14, 2002 and the system was shutdown. The circuit breaker for TW-3 and Effluent pump were tripped. Pumped effluent tank and restarted the system. Did not sample on this day, but did perform well level measurements. Remobilized on June 18, 2002 to collect water and air samples. On June 26, 2002 scheduled operation and maintenance was to be performed. The system was shut down again due to effluent pump circuit breaker was tripped.

Several of the electronic components of the groundwater extraction system are still not operating properly due to damage sustained from previous electrical storm lightning strikes. These systems give erroneous readings, but do not hinder the ability of the treatment system to function.

Earth Tech has brought in CBG, Inc. of Wappingers Falls, NY to evaluate the electronic components and determine how best to repair the system. The level transducers in the wells are still not functional and the PLC will be shipped to the manufacturer for reprogramming. The system will be operated in hand position to maintain the groundwater containment.

Discharge from the treatment system averaged approximately 8,819 gallons per day. Approximately 96 percent of the treated effluent was discharged to Crum Elbow Creek and 4 percent was injected, via well IW-1 into the bedrock aquifer. These readings may not be accurate, due to the fact it is uncommon for these injection wells to accept more of the flow.

Table 1 summarizes influent and effluent data for samples collected on June 18, 2002. All of the effluent treatment requirements were met. A copy of the laboratory report is attached.



Earth Tech made three site visits to conduct the required monthly maintenance and sampling. Table 2 summarizes the operation and maintenance data. Table 3 summarizes monitoring well water level data. No air monitoring was taken due to work on the system. Table 4 summarizes the groundwater treatment system air sampling data and Table 5 summarizes the post air stripper data. Copies of the laboratory reports are attached.

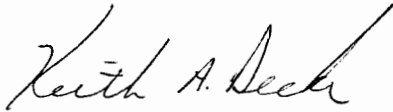
Earth Tech personnel performed the following maintenance items in addition to routine monitoring of system temperatures, pressures, flow measurements, monitoring well water levels, air sampling, etc.:

- Pumped water meter out of pit and cleaned screens on flow meters.
- Lubricated Heat exchanger fan and air stripper blower motor.
- Changed oil in vapor blower motor.
- Back-flushed sand filter.

As of June 14, 2002, a total of 25,377,500 gallons of groundwater were recovered and treated by the system.

Please feel free to contact me at (518) 951-2229 should you have any questions regarding the operation of the treatment system.

Sincerely,



Keith A. Decker  
Project Manager

Attachments

L:\work\55849\docs\6-02report.doc

**Table 1**  
**Summary of June 2002 Influent and Effluent Data**

**NOW Corporation Site**  
**Town of Clinton, New York**

| <b>Effluent<br/>Parameters</b> | <b>Influent</b> | <b>Effluent</b> | <b>TW-1</b> | <b>TW-2A</b>  | <b>TW-3</b>  | <b>Treatment<br/>Requirements<br/>(units)</b> |
|--------------------------------|-----------------|-----------------|-------------|---------------|--------------|-----------------------------------------------|
| Flow                           |                 | 8,819           |             |               |              | gpd                                           |
| pH                             | 6.5             | 6.8             |             |               |              | Monitor<br>6.5 to 8.5<br>standard units       |
| Vinyl Chloride                 | <10             | <0.5            | <10         | <100          | <10          | ug/L                                          |
| Chloroethane                   | <10             | <0.5            | <10         | <100          | <10          | ug/L                                          |
| 1,1-Dichloroethene             | <b>22</b>       | <0.5            | <b>19</b>   | <b>&lt;50</b> | <b>38</b>    | ug/L                                          |
| trans-1,2-Dichloroethene       | <5              | <0.5            | <5          | <50           | <5           | ug/L                                          |
| 1,1-Dichloroethane             | <b>230</b>      | <0.5            | <b>160</b>  | <b>300</b>    | <b>38</b>    | ug/L                                          |
| cis-1,2-Dichloroethene         | <b>17</b>       | <0.5            | <b>15</b>   | <b>&lt;50</b> | <b>&lt;5</b> | ug/L                                          |
| 1,1,1-Trichloroethane          | <b>1800</b>     | <0.5            | <b>200</b>  | <b>1900</b>   | <b>35</b>    | ug/L                                          |
| Benzene                        | <5              | <0.5            | <5          | <50           | <5           | ug/L                                          |
| 1,2-Dichloroethane             | <5              | <0.5            | <5          | <50           | <5           | ug/L                                          |
| Trichloroethene                | <b>460</b>      | <0.5            | <b>170</b>  | <b>660</b>    | <b>26</b>    | ug/L                                          |
| Toluene                        | <5              | <0.5            | <5          | <50           | <5           | ug/L                                          |
| 1,1,2-Trichloroethane          | <5              | <0.5            | <5          | <50           | <5           | ug/L                                          |
| Tetrachloroethene              | <5              | <0.5            | <5          | <50           | <5           | ug/L                                          |
| Chlorobenzene                  | <5              | <0.5            | <5          | <50           | <5           | ug/L                                          |
| Ethylbenzene                   | <5              | <0.5            | <5          | <50           | <5           | ug/L                                          |
| 1,2- and 1,4-Xylenes           | <5              | <0.5            | <5          | <50           | <5           | ug/L                                          |
| 1,3-Xylene                     | <5              | <0.5            | <5          | <50           | <5           | ug/L                                          |
| Aluminum, Total                | <0.1            | <0.1            |             |               |              | ug/L                                          |
| Arsenic, Total                 | <0.005          | <0.005          |             |               |              | ug/L                                          |
| Barium, Total                  | <b>0.07</b>     | <b>0.07</b>     |             |               |              | ug/L                                          |
| Chromium                       | <0.005          | <0.005          |             |               |              | ug/L                                          |
| Copper                         | <0.005          | <0.005          |             |               |              | ug/L                                          |
| Iron                           | <0.05           | <0.05           |             |               |              | ug/L                                          |
| Manganese                      | <b>0.12</b>     | <0.02           |             |               |              | ug/L                                          |
| Mercury                        | <0.0004         | <0.0004         |             |               |              | ug/L                                          |
| Nickel                         | <0.05           | <0.02           |             |               |              | ug/L                                          |
| Zinc                           | <0.01           | <0.01           |             |               |              | ug/L                                          |
| Oil and Grease                 | 1.3             | 1.7             |             |               |              | mg/L                                          |
| Cyanide                        | <0.01           | <0.01           |             |               |              | ug/L                                          |
| TDS                            | <b>310</b>      | <b>298</b>      |             |               |              | mg/L                                          |
| TSS                            | <1              | <1              |             |               |              | mg/L                                          |

**Notes:**

- 1) Positive results are presented in **bold** typeface.
  - 2) ND indicates Not Detected at or above the laboratory reporting limit.
  - 3) NA indicates Not Applicable.
  - 4) "J" indicates an estimated concentration below the method detection limit.
  - 5) Boxed in **bold** denotes exceedance of treatment requirements.
- \* Average daily flow as measured May 29, 2002 to June 14, 2002.

**Table 2**  
**Summary of June 2002 O&M Data**

**NOW Corporation Site**  
**Town of Clinton, New York**

| <b>Instrumentation/Readings:</b>       | <b>6/14/02</b> | <b>units</b>            |
|----------------------------------------|----------------|-------------------------|
| <b><i>TW-1</i></b>                     |                |                         |
| Pumping Rate                           | 4              | GPM                     |
| Water Level Above Transducer           | NW             | feet                    |
| Flow Meter Reading                     | 8,994,300      | gallons                 |
| Pump Pressure                          | 86             | psi                     |
| <b><i>TW-2A</i></b>                    |                |                         |
| Pumping Rate                           | 11             | GPM                     |
| Water Level Above Transducer           | NW             | feet                    |
| Flow Meter Reading                     | 14,805,200     | gallons                 |
| Pump Pressure                          | 55             | psi                     |
| <b><i>TW-3</i></b>                     |                |                         |
| Pumping Rate                           | 3              | GPM                     |
| Water Level Above Transducer           | NW             | feet                    |
| Flow Meter Reading                     | 5,819,700      | gallons                 |
| Pump Pressure                          | 85             | psi                     |
| <b><i>Air Stripper</i></b>             |                |                         |
| Stripper Blower Pressure               | 18             | inches H <sub>2</sub> O |
| Air Temperature in Stripper            | 50             | °F                      |
| Pressure Gauge - Left Leg              | 1.1            | inches H <sub>2</sub> O |
| Pressure Gauge - Right Leg             | 0.5            | inches H <sub>2</sub> O |
| Pressure/Vacuum on the Stripper        |                | inches H <sub>2</sub> O |
| <b><i>Sand Filter</i></b>              |                |                         |
| Influent Pressure                      | 16             | psi                     |
| Effluent Pressure                      | 8              | psi                     |
| Differential Pressure Across Filter    | 8              | psi                     |
| <b><i>Effluent Flow</i></b>            |                |                         |
| Total System Meter Reading             | 25,377,500     | gallons                 |
| IW-1 Flow Meter Reading                | 1,293,575      | gallons                 |
| IW-2 Flow Meter Reading                | 1,748,748      | gallons                 |
| <b><i>Vapor Extraction System</i></b>  |                |                         |
| Vapor Blower Vacuum                    | 9.5            | inches Hg               |
| Vacuum before Filter with Dilution Air | 9.0            | inches Hg               |
| Vacuum on Knock-out Pot                | 11.5           | inches Hg               |
| Blower Inlet Temperature               | 64             | °F                      |
| Blower Outlet Temperature              | 188            | °F                      |
| Pressure After Blower                  | 44             | psi                     |
| Heat Exchanger Outlet Temperature      | 64             | °F                      |

*Note: N/A indicates Not Available.*

*NW - Not working*

**Table 3**  
**Summary of June 2002 Water Levels**

**NOW Corporation Site**  
**Town of Clinton, New York**

| Well ID | M.P.<br>Elevation | 6/26/02                       |              |
|---------|-------------------|-------------------------------|--------------|
|         |                   | Depth to Water<br>(ft b.m.p.) | GW Elevation |
| MW-1    | 289.50            | 9.46                          | 280.04       |
| MW-2    | 332.51            | 28.37                         | 304.14       |
| MW-3    | 312.83            | 27                            | 285.83       |
| MW-3S   | 312.51            | 24.9                          | 287.61       |
| MW-4    | 298.29            | 21.48                         | 276.81       |
| MW-4D   | 298.16            | 21.32                         | 276.84       |
| MW-5    | 285.48            | 18.06                         | 267.42       |
| MW-6S   | 287.90            | 4.17                          | 283.73       |
| MW-6D   | 287.25            | 6.55                          | 280.70       |
| MW-7S   | 292.12            | 12.86                         | 279.26       |
| MW-7D   | 292.54            | 31.01                         | 261.53       |
| MW-8    | 283.65            | N/A                           | #VALUE!      |
| MW-9    | 275.37            | N/A                           | #VALUE!      |
| MW-10   | 280.92            | N/A                           | N/A          |
| MW-11   | 283.72            | N/A                           | #VALUE!      |
| OW-1    | 307.75            | 36.13                         | 271.62       |
| OW-2    | 305.96            | 50.56                         | 255.40       |
| OW-3    | 307.35            | N/A                           | #VALUE!      |
| OW-4    | 308.30            | N/A                           | #VALUE!      |
| OW-5    | 307.41            | N/A                           | #VALUE!      |
| OW-6    | 294.81            | 5.32                          | 289.49       |
| IW-1    | 312.46            | 9.32                          | 303.14       |
| IW-2    | 306.56            | 7.68                          | 298.88       |
| TW-2    | 290.52            | N/A                           | #VALUE!      |

*Note: N/A indicates Not Available.*

**Table 4**  
**June 2002 Groundwater Treatment System Air Sampling Data**  
NOW Corporation Site  
Town of Clinton, New York

| Analyte                | TW-1VE<br>06/18/02 |    | TW-2AVE<br>06/18/02 |    | VE-1VE<br>06/18/02 |    | VE-2VE<br>06/18/02 |    | ST-1<br>06/18/02 |    | SVE-EXH<br>06/18/02 |    | ST-4<br>06/18/02 |    |
|------------------------|--------------------|----|---------------------|----|--------------------|----|--------------------|----|------------------|----|---------------------|----|------------------|----|
|                        | Results            | RL | Results             | RL | Results            | RL | Results            | RL | Results          | RL | Results             | RL | Results          | RL |
| Vinyl Chloride         | ND                 | 1  | ND                  | 1  | ND                 | 1  | ND                 | 1  | ND               | 1  | ND                  | 4  | ND               | 1  |
| Chloroethane           | ND                 | 1  | ND                  | 1  | ND                 | 1  | ND                 | 1  | ND               | 1  | ND                  | 4  | ND               | 1  |
| 1,1-Dichloroethene     | ND                 | 1  | ND                  | 1  | ND                 | 1  | 1.3                | 1  | ND               | 1  | 11                  | 4  | 24               | 1  |
| 1,1-Dichloroethane     | 2.1                | 1  | 2.3                 | 1  | 2.3                | 1  | 2.2                | 1  | 2.2              | 1  | 37                  | 4  | 63               | 1  |
| cis-1,2-Dichloroethene | ND                 | 1  | ND                  | 1  | ND                 | 1  | ND                 | 1  | ND               | 1  | 20                  | 4  | ND               | 1  |
| 1,1,1-Trichloroethane  | 18.0               | 1  | 19                  | 1  | 18                 | 1  | 19                 | 1  | 18               | 1  | 633.0               | 4  | 50.0             | 1  |
| 1,2-Dichloroethane     | ND                 | 1  | ND                  | 1  | ND                 | 1  | ND                 | 1  | ND               | 1  | ND                  | 4  | ND               | 1  |
| Benzene                | ND                 | 1  | ND                  | 1  | ND                 | 1  | ND                 | 1  | ND               | 1  | ND                  | 4  | ND               | 1  |
| Trichloroethene        | 34                 | 1  | 36                  | 1  | 36                 | 1  | 41                 | 1  | 37               | 1  | 7                   | 4  | ND               | 1  |
| Toluene                | 13                 | 1  | 6.7                 | 1  | 12                 | 1  | 9.4                | 1  | 8.6              | 1  | 13                  | 4  | 10               | 1  |
| 1,1,2-Trichloroethane  | ND                 | 1  | ND                  | 1  | ND                 | 1  | ND                 | 1  | ND               | 1  | ND                  | 4  | ND               | 1  |
| Tetrachloroethene      | ND                 | 1  | ND                  | 1  | ND                 | 1  | ND                 | 1  | ND               | 1  | ND                  | 4  | ND               | 1  |
| Chlorobenzene          | ND                 | 1  | ND                  | 1  | ND                 | 1  | ND                 | 1  | ND               | 1  | ND                  | 4  | ND               | 1  |
| Ethylbenzene           | ND                 | 1  | ND                  | 1  | ND                 | 1  | ND                 | 1  | ND               | 1  | ND                  | 4  | ND               | 1  |
| p&m -Xylene            | ND                 | 1  | ND                  | 1  | ND                 | 1  | ND                 | 1  | ND               | 1  | ND                  | 4  | ND               | 1  |
| o-Xylene               | ND                 | 1  | ND                  | 1  | ND                 | 1  | ND                 | 1  | ND               | 1  | ND                  | 4  | ND               | 1  |

**Notes:**

- 1) All results are reported in ppbv.
- 2) Positive results are presented in **bold** typeface.
- 3) ND indicates Not Detected (Below RL).
- 4) RL = Reporting Limit

**Legend:**

TW-1VE=Well TW-1 Vapor Extraction  
TW-2AVE=Well TW-2A Vapor Extraction  
VE-1VE=Well VE-1 Vapor Extraction  
VE-2VE=Well VE-2 Vapor Extraction  
ST-1 = Sampling Tap #1 (Raw; Four Vapor Extraction Wells Combined)  
SVE-EXH = Intermediate Sampling Tap, Between (2) 55-gal. Drum Carbon Adsorbers  
ST-4 = Sampling Tap #4 (Final, After 2nd Carbon Adsorber)



**Table 5**  
**June 2002 Groundwater Treatment System Air Sampling Data**  
 NOW Corporation Site  
 Town of Clinton, New York

| Analyte                | Post Air Stripper (PAS) |    |
|------------------------|-------------------------|----|
|                        | 06/18/02                |    |
|                        | Results                 | RL |
| Vinyl Chloride         | ND                      | 4  |
| Chloroethane           | ND                      | 4  |
| 1,1-Dichloroethene     | <b>16</b>               | 4  |
| 1,1-Dichloroethane     | <b>155</b>              | 4  |
| cis-1,2-Dichloroethene | <b>8.7</b>              | 4  |
| 1,1,1-Trichloroethane  | <b>620</b>              | 4  |
| 1,2-Dichloroethane     | ND                      | 4  |
| Benzene                | ND                      | 4  |
| Trichloroethene        | <b>213</b>              | 4  |
| Toluene                | <b>5.5</b>              | 4  |
| 1,1,2-Trichloroethane  | ND                      | 4  |
| Tetrachloroethene      | ND                      | 4  |
| Chlorobenzene          | ND                      | 4  |
| Ethylbenzene           | ND                      | 4  |
| p&m -Xylene            | <b>8</b>                | 4  |
| o-Xylene               | ND                      | 4  |

*Notes:*

- 1) All results are reported in ppbv .
- 2) Positive results are presented in **bold** typeface.
- 3) ND indicates Not Detected (Below RL).
- 4) RL = Reporting Limit



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LABORATORY REPORT

for

Earth Tech, Inc.  
40 British American Blvd.  
Latham, NY 12110

Attention: Keith Decker

PJ:558949.02

Report date: 07/08/02  
Number of samples analyzed: 6  
AES Project ID: 020618 Z  
Invoice #: 243470

ELAP ID#: 10709

AIHA ID#: 100307

Page

1



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CLIENT: Earth Tech, Inc.  
CLIENT'S SAMPLE ID: EFF.  
AES sample #: 020618 Z01

Date Sampled: 06/18/02  
Date sample received: 06/18/02  
Location: Now Corp.  
grab

Samples taken by: R. Gray  
MATRIX: Water

| <u>PARAMETER PERFORMED</u> | <u>METHOD</u> | <u>RESULT</u> | <u>UNITS</u> | <u>NOTEBOOK REF</u> | <u>TEST DATE</u> |
|----------------------------|---------------|---------------|--------------|---------------------|------------------|
| Total Suspended Solids     | EPA-160.2     | <1            | mg/l         | JK-F-7              | 06/20/02         |
| Total Dissolved Solids     | SW-846        | 298           | mg/l         | LS-F-5              | 06/19/02         |
| Oil & Grease               | EPA-9070      | 1.7           | mg/l         | JK-F-4              | 06/18/02         |
| Cyanide, Total             | EPA-9012      | <0.01         | mg/l         | MC-K                | 07/02/02         |
| Zinc                       | EPA-6010      | <0.01         | mg/l         | KH-I-3H-61          | 06/21/02         |
| Aluminum                   | EPA-6010      | <0.1          | mg/l         | KH-I-3H-61          | 06/21/02         |
| Arsenic                    | EPA-6010      | <0.005        | mg/l         | KH-I-3H-61          | 06/21/02         |
| Barium                     | EPA-6010      | 0.07          | mg/l         | KH-I-3H-61          | 06/21/02         |
| Copper                     | EPA-6010      | <0.005        | mg/l         | KH-I-3H-61          | 06/21/02         |
| Chromium                   | EPA-6010      | <0.005        | mg/l         | KH-I-3H-61          | 06/21/02         |
| Iron                       | EPA-6010      | <0.05         | mg/l         | KH-I-3H-61          | 06/21/02         |
| Manganese                  | EPA-6010      | <0.02         | mg/l         | KH-I-3H-61          | 06/21/02         |
| Mercury                    | EPA-7471      | <0.0004       | mg/l         | KH-HG-B-21          | 06/20/02         |
| Nickel                     | EPA-6010      | <0.02         | mg/l         | KH-I-3H-61          | 06/21/02         |
| Benzene                    | EPA-8260      | <0.5          | ug/l         | MG-SAT-E47          | 06/24/02         |
| Chlorobenzene              | EPA-8260      | <0.5          | ug/l         | MG-SAT-E47          | 06/24/02         |
| Chloroethane               | EPA-8260      | <0.5          | ug/l         | MG-SAT-E47          | 06/24/02         |
| 1,1-Dichloroethane         | EPA-8260      | <0.5          | ug/l         | MG-SAT-E47          | 06/24/02         |
| 1,2-Dichloroethane         | EPA-8260      | <0.5          | ug/l         | MG-SAT-E47          | 06/24/02         |
| cis-1,2-Dichloroethene     | EPA-8260      | <0.5          | ug/l         | MG-SAT-E47          | 06/24/02         |



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CLIENT: Earth Tech, Inc.  
CLIENT'S SAMPLE ID: EFF.  
AES sample #: 020618 Z01

Samples taken by: R. Gray  
MATRIX: Water

Date Sampled: 06/18/02  
Date sample received: 06/18/02  
Location: Now Corp.  
grab

continued:

| <u>PARAMETER PERFORMED</u> | <u>METHOD</u> | <u>RESULT</u> | <u>UNITS</u> | <u>NOTEBOOK REF</u> | <u>TEST DATE</u> |
|----------------------------|---------------|---------------|--------------|---------------------|------------------|
| trans-1,2-Dichloroethene   | EPA-8260      | <0.5          | ug/l         | MG-SAT-E47          | 06/24/02         |
| 1,1-Dichloroethene         | EPA-8260      | <0.5          | ug/l         | MG-SAT-E47          | 06/24/02         |
| Ethylbenzene               | EPA-8260      | <0.5          | ug/l         | MG-SAT-E47          | 06/24/02         |
| Tetrachloroethene          | EPA-8260      | <0.5          | ug/l         | MG-SAT-E47          | 06/24/02         |
| Toluene                    | EPA-8260      | <0.5          | ug/l         | MG-SAT-E47          | 06/24/02         |
| 1,1,1-Trichloroethane      | EPA-8260      | <0.5          | ug/l         | MG-SAT-E47          | 06/24/02         |
| 1,1,2-Trichloroethane      | EPA-8260      | <0.5          | ug/l         | MG-SAT-E47          | 06/24/02         |
| Trichloroethene            | EPA-8260      | <0.5          | ug/l         | MG-SAT-E47          | 06/24/02         |
| Vinyl Chloride             | EPA-8260      | <0.5          | ug/l         | MG-SAT-E47          | 06/24/02         |
| m,p-Xylene                 | EPA-8260      | <0.5          | ug/l         | MG-SAT-E47          | 06/24/02         |
| o-Xylene                   | EPA-8260      | <0.5          | ug/l         | MG-SAT-E47          | 06/24/02         |



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CLIENT: Earth Tech, Inc.  
CLIENT'S SAMPLE ID: INF.  
AES sample #: 020618 Z02

Samples taken by: R. Gray  
MATRIX: Water

Date Sampled: 06/18/02  
Date sample received: 06/18/02  
Location: Now Corp.  
grab

| <u>PARAMETER PERFORMED</u> | <u>METHOD</u> | <u>RESULT</u> | <u>UNITS</u> | <u>NOTEBOOK REF</u> | <u>TEST DATE</u> |
|----------------------------|---------------|---------------|--------------|---------------------|------------------|
| Total Suspended Solids     | EPA-160.2     | <1            | mg/l         | JK-F-7              | 06/20/02         |
| Total Dissolved Solids     | SW-846        | 310           | mg/l         | LS-F-5              | 06/19/02         |
| Oil & Grease               | EPA-9070      | 1.3           | mg/l         | JK-F-4              | 06/18/02         |
| Cyanide, Total             | EPA-9012      | <0.01         | mg/l         | MC-K                | 07/02/02         |
| Zinc                       | EPA-6010      | <0.01         | mg/l         | KH-I-3H-61          | 06/21/02         |
| Aluminum                   | EPA-6010      | <0.1          | mg/l         | KH-I-3H-61          | 06/21/02         |
| Arsenic                    | EPA-6010      | <0.005        | mg/l         | KH-I-3H-61          | 06/21/02         |
| Barium                     | EPA-6010      | 0.07          | mg/l         | KH-I-3H-61          | 06/21/02         |
| Copper                     | EPA-6010      | <0.005        | mg/l         | KH-I-3H-61          | 06/21/02         |
| Chromium                   | EPA-6010      | <0.005        | mg/l         | KH-I-3H-61          | 06/21/02         |
| Iron                       | EPA-6010      | <0.05         | mg/l         | KH-I-3H-61          | 06/21/02         |
| Manganese                  | EPA-6010      | 0.12          | mg/l         | KH-I-3H-61          | 06/21/02         |
| Mercury                    | EPA-7471      | <0.0004       | mg/l         | KH-HG-B-21          | 06/20/02         |
| Nickel                     | EPA-6010      | <0.05         | mg/l         | KH-I-3H-61          | 06/21/02         |
| Benzene                    | EPA-8260      | <5            | ug/l         | MG-SAT-E47          | 06/24/02         |
| Chlorobenzene              | EPA-8260      | <5            | ug/l         | MG-SAT-E47          | 06/24/02         |
| Chloroethane               | EPA-8260      | <10           | ug/l         | MG-SAT-E47          | 06/24/02         |
| 1,1-Dichloroethane         | EPA-8260      | 230           | ug/l         | MG-SAT-E47          | 06/24/02         |
| 1,2-Dichloroethane         | EPA-8260      | <5            | ug/l         | MG-SAT-E47          | 06/24/02         |
| cis-1,2-Dichloroethene     | EPA-8260      | 17            | ug/l         | MG-SAT-E47          | 06/24/02         |



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CLIENT: Earth Tech, Inc.  
CLIENT'S SAMPLE ID: INF.  
AES sample #: 020618 202

Samples taken by: R. Gray  
MATRIX: Water

Date Sampled: 06/18/02  
Date sample received: 06/18/02  
Location: Now Corp.  
grab

continued:

| <u>PARAMETER PERFORMED</u> | <u>METHOD</u> | <u>RESULT</u> | <u>UNITS</u> | <u>NOTEBOOK REF</u> | <u>TEST DATE</u> |
|----------------------------|---------------|---------------|--------------|---------------------|------------------|
| trans-1,2-Dichloroethene   | EPA-8260      | <5            | ug/l         | MG-SAT-E47          | 06/24/02         |
| 1,1-Dichloroethene         | EPA-8260      | 22            | ug/l         | MG-SAT-E47          | 06/24/02         |
| Ethylbenzene               | EPA-8260      | <5            | ug/l         | MG-SAT-E47          | 06/24/02         |
| Tetrachloroethene          | EPA-8260      | <5            | ug/l         | MG-SAT-E47          | 06/24/02         |
| Toluene                    | EPA-8260      | <5            | ug/l         | MG-SAT-E47          | 06/24/02         |
| 1,1,1-Trichloroethane      | EPA-8260      | 1800          | ug/l         | MG-SAT-E47          | 06/24/02         |
| 1,1,2-Trichloroethane      | EPA-8260      | <5            | ug/l         | MG-SAT-E47          | 06/24/02         |
| Trichloroethene            | EPA-8260      | 460           | ug/l         | MG-SAT-E47          | 06/24/02         |
| Vinyl Chloride             | EPA-8260      | <10           | ug/l         | MG-SAT-E47          | 06/24/02         |
| m,p-Xylene                 | EPA-8260      | <5            | ug/l         | MG-SAT-E47          | 06/24/02         |
| o-Xylene                   | EPA-8260      | <5            | ug/l         | MG-SAT-E47          | 06/24/02         |



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CLIENT: Earth Tech, Inc.  
CLIENT'S SAMPLE ID: TW-1  
AES sample #: 020618 Z03

Samples taken by: R. Gray  
MATRIX: Water

Date Sampled: 06/18/02  
Date sample received: 06/18/02  
Location: Now Corp.  
grab

| <u>PARAMETER PERFORMED</u> | <u>METHOD</u> | <u>RESULT</u> | <u>UNITS</u> | <u>NOTEBOOK REF</u> | <u>TEST DATE</u> |
|----------------------------|---------------|---------------|--------------|---------------------|------------------|
| Benzene                    | EPA-8260      | <5            | ug/l         | MG-SAT-E47          | 06/24/02         |
| Chlorobenzene              | EPA-8260      | <5            | ug/l         | MG-SAT-E47          | 06/24/02         |
| Chloroethane               | EPA-8260      | <10           | ug/l         | MG-SAT-E47          | 06/24/02         |
| 1,1-Dichloroethane         | EPA-8260      | 160           | ug/l         | MG-SAT-E47          | 06/24/02         |
| 1,2-Dichloroethane         | EPA-8260      | <5            | ug/l         | MG-SAT-E47          | 06/24/02         |
| cis-1,2-Dichloroethene     | EPA-8260      | 15            | ug/l         | MG-SAT-E47          | 06/24/02         |
| trans-1,2-Dichloroethene   | EPA-8260      | <5            | ug/l         | MG-SAT-E47          | 06/24/02         |
| 1,1-Dichloroethene         | EPA-8260      | 19            | ug/l         | MG-SAT-E47          | 06/24/02         |
| Ethylbenzene               | EPA-8260      | <5            | ug/l         | MG-SAT-E47          | 06/24/02         |
| Tetrachloroethene          | EPA-8260      | <5            | ug/l         | MG-SAT-E47          | 06/24/02         |
| Toluene                    | EPA-8260      | <5            | ug/l         | MG-SAT-E47          | 06/24/02         |
| 1,1,1-Trichloroethane      | EPA-8260      | 200           | ug/l         | MG-SAT-E47          | 06/24/02         |
| 1,1,2-Trichloroethane      | EPA-8260      | <5            | ug/l         | MG-SAT-E47          | 06/24/02         |
| Trichloroethene            | EPA-8260      | 170           | ug/l         | MG-SAT-E47          | 06/24/02         |
| Vinyl Chloride             | EPA-8260      | <10           | ug/l         | MG-SAT-E47          | 06/24/02         |
| m,p-Xylene                 | EPA-8260      | <5            | ug/l         | MG-SAT-E47          | 06/24/02         |
| o-Xylene                   | EPA-8260      | <5            | ug/l         | MG-SAT-E47          | 06/24/02         |



Experience is the solution

314 North Pearl Street • Albany, New York 12207 • 800-848-4983 • (518) 434-4546 • Fax (518) 434-0891

CLIENT: Earth Tech, Inc.  
CLIENT'S SAMPLE ID: TW-2A  
AES sample #: 020618 Z04

Samples taken by: R. Gray  
MATRIX: Water

Date Sampled: 06/18/02  
Date sample received: 06/18/02  
Location: Now Corp.  
grab

| <u>PARAMETER PERFORMED</u> | <u>METHOD</u> | <u>RESULT</u> | <u>UNITS</u> | <u>NOTES/REF</u> | <u>TEST DATE</u> |
|----------------------------|---------------|---------------|--------------|------------------|------------------|
| Benzene                    | EPA-8260      | <50           | ug/l         | MG-SAT-E47       | 06/24/02         |
| Chlorobenzene              | EPA-8260      | <50           | ug/l         | MG-SAT-E47       | 06/24/02         |
| Chloroethane               | EPA-8260      | <100          | ug/l         | MG-SAT-E47       | 06/24/02         |
| 1,1-Dichloroethane         | EPA-8260      | 300           | ug/l         | MG-SAT-E47       | 06/24/02         |
| 1,2-Dichloroethane         | EPA-8260      | <50           | ug/l         | MG-SAT-E47       | 06/24/02         |
| cis-1,2-Dichloroethene     | EPA-8260      | <50           | ug/l         | MG-SAT-E47       | 06/24/02         |
| trans-1,2-Dichloroethene   | EPA-8260      | <50           | ug/l         | MG-SAT-E47       | 06/24/02         |
| 1,1-Dichloroethene         | EPA-8260      | <50           | ug/l         | MG-SAT-E47       | 06/24/02         |
| Ethylbenzene               | EPA-8260      | <50           | ug/l         | MG-SAT-E47       | 06/24/02         |
| Tetrachloroethene          | EPA-8260      | <50           | ug/l         | MG-SAT-E47       | 06/24/02         |
| Toluene                    | EPA-8260      | <50           | ug/l         | MG-SAT-E47       | 06/24/02         |
| 1,1,1-Trichloroethane      | EPA-8260      | 1900          | ug/l         | MG-SAT-E47       | 06/24/02         |
| 1,1,2-Trichloroethane      | EPA-8260      | <50           | ug/l         | MG-SAT-E47       | 06/24/02         |
| Trichloroethene            | EPA-8260      | 660           | ug/l         | MG-SAT-E47       | 06/24/02         |
| Vinyl Chloride             | EPA-8260      | <100          | ug/l         | MG-SAT-E47       | 06/24/02         |
| m,p-Xylene                 | EPA-8260      | <50           | ug/l         | MG-SAT-E47       | 06/24/02         |
| o-Xylene                   | EPA-8260      | <50           | ug/l         | MG-SAT-E47       | 06/24/02         |





Experience is the solution

314 North Pearl Street • Albany, New York 12207 • 800-848-4983 • (518) 434-4546 • Fax (518) 434-0891

CLIENT: Earth Tech, Inc.  
CLIENT'S SAMPLE ID: TW-3  
AES sample #: 020618 Z05

Samples taken by: R. Gray  
MATRIX: Water

Date Sampled: 06/18/02  
Date sample received: 06/18/02  
Location: Now Corp.  
grab

| <u>PARAMETER PERFORMED</u> | <u>METHOD</u> | <u>RESULT</u> | <u>UNITS</u> | <u>NOTEBOOK REF</u> | <u>TEST DATE</u> |
|----------------------------|---------------|---------------|--------------|---------------------|------------------|
| Benzene                    | EPA-8260      | <5            | ug/l         | MG-SAT-E47          | 06/24/02         |
| Chlorobenzene              | EPA-8260      | <5            | ug/l         | MG-SAT-E47          | 06/24/02         |
| Chloroethane               | EPA-8260      | <10           | ug/l         | MG-SAT-E47          | 06/24/02         |
| 1,1-Dichloroethane         | EPA-8260      | 38            | ug/l         | MG-SAT-E47          | 06/24/02         |
| 1,2-Dichloroethane         | EPA-8260      | <5            | ug/l         | MG-SAT-E47          | 06/24/02         |
| cis-1,2-Dichloroethene     | EPA-8260      | <5            | ug/l         | MG-SAT-E47          | 06/24/02         |
| trans-1,2-Dichloroethene   | EPA-8260      | <5            | ug/l         | MG-SAT-E47          | 06/24/02         |
| 1,1-Dichloroethene         | EPA-8260      | 5             | ug/l         | MG-SAT-E47          | 06/24/02         |
| Ethylbenzene               | EPA-8260      | <5            | ug/l         | MG-SAT-E47          | 06/24/02         |
| Tetrachloroethene          | EPA-8260      | <5            | ug/l         | MG-SAT-E47          | 06/24/02         |
| Toluene                    | EPA-8260      | <5            | ug/l         | MG-SAT-E47          | 06/24/02         |
| 1,1,1-Trichloroethane      | EPA-8260      | 35            | ug/l         | MG-SAT-E47          | 06/24/02         |
| 1,1,2-Trichloroethane      | EPA-8260      | <5            | ug/l         | MG-SAT-E47          | 06/24/02         |
| Trichloroethene            | EPA-8260      | 26            | ug/l         | MG-SAT-E47          | 06/24/02         |
| Vinyl Chloride             | EPA-8260      | <10           | ug/l         | MG-SAT-E47          | 06/24/02         |
| m,p-Xylene                 | EPA-8260      | <5            | ug/l         | MG-SAT-E47          | 06/24/02         |
| o-Xylene                   | EPA-8260      | <5            | ug/l         | MG-SAT-E47          | 06/24/02         |



Experience is the solution

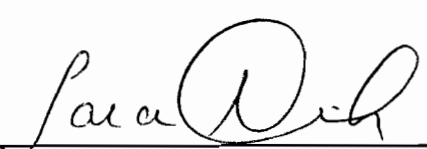
314 North Pearl Street • Albany, New York 12207 • 800-848-4983 • (518) 434-4546 • Fax (518) 434-0891

CLIENT: Earth Tech, Inc.  
CLIENT'S SAMPLE ID: Trip Blank  
AES sample #: 020618 Z06

Samples taken by: R. Gray  
MATRIX: Water

Date Sampled: 06/18/02  
Date sample received: 06/18/02  
Location: Now Corp.  
grab

| <u>PARAMETER PERFORMED</u> | <u>METHOD</u> | <u>RESULT</u> | <u>UNITS</u> | <u>NOTEBOOK REF</u> | <u>TEST DATE</u> |
|----------------------------|---------------|---------------|--------------|---------------------|------------------|
| Benzene                    | EPA-8260      | <5            | ug/l         | MG-SAT-E47          | 06/24/02         |
| Chlorobenzene              | EPA-8260      | <5            | ug/l         | MG-SAT-E47          | 06/24/02         |
| Chloroethane               | EPA-8260      | <10           | ug/l         | MG-SAT-E47          | 06/24/02         |
| 1,1-Dichloroethane         | EPA-8260      | <5            | ug/l         | MG-SAT-E47          | 06/24/02         |
| 1,2-Dichloroethane         | EPA-8260      | <5            | ug/l         | MG-SAT-E47          | 06/24/02         |
| cis-1,2-Dichloroethene     | EPA-8260      | <5            | ug/l         | MG-SAT-E47          | 06/24/02         |
| trans-1,2-Dichloroethene   | EPA-8260      | <5            | ug/l         | MG-SAT-E47          | 06/24/02         |
| 1,1-Dichloroethene         | EPA-8260      | <5            | ug/l         | MG-SAT-E47          | 06/24/02         |
| Ethylbenzene               | EPA-8260      | <5            | ug/l         | MG-SAT-E47          | 06/24/02         |
| Tetrachloroethene          | EPA-8260      | <5            | ug/l         | MG-SAT-E47          | 06/24/02         |
| Toluene                    | EPA-8260      | <5            | ug/l         | MG-SAT-E47          | 06/24/02         |
| 1,1,1-Trichloroethane      | EPA-8260      | <5            | ug/l         | MG-SAT-E47          | 06/24/02         |
| 1,1,2-Trichloroethane      | EPA-8260      | <5            | ug/l         | MG-SAT-E47          | 06/24/02         |
| Trichloroethene            | EPA-8260      | <5            | ug/l         | MG-SAT-E47          | 06/24/02         |
| Vinyl Chloride             | EPA-8260      | <10           | ug/l         | MG-SAT-E47          | 06/24/02         |
| m,p-Xylene                 | EPA-8260      | <5            | ug/l         | MG-SAT-E47          | 06/24/02         |
| o-Xylene                   | EPA-8260      | <5            | ug/l         | MG-SAT-E47          | 06/24/02         |

APPROVED BY:   
Report date: 07/08/02



020618 2

| Project Number                                                                             |                                      | Project Name/Client |      | Earth Tech Cooler # |       |                                  |              |                                                                                                                     |                   |                                                                                                 |                             |                             |             |        |                  |             |  |
|--------------------------------------------------------------------------------------------|--------------------------------------|---------------------|------|---------------------|-------|----------------------------------|--------------|---------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------------------------------------------------------------------------|-----------------------------|-----------------------------|-------------|--------|------------------|-------------|--|
| 55849.02                                                                                   |                                      | NOW CORP            |      |                     |       |                                  |              |                                                                                                                     |                   |                                                                                                 |                             |                             |             |        |                  |             |  |
| Sample Custodian: (Signature)                                                              |                                      |                     |      | Custody Seal #      |       |                                  |              |                                                                                                                     |                   |                                                                                                 |                             |                             |             |        |                  |             |  |
| Roger Gray                                                                                 |                                      |                     |      |                     |       |                                  |              |                                                                                                                     |                   |                                                                                                 |                             |                             |             |        |                  |             |  |
| Item No.                                                                                   | Sample Description (Field ID Number) | Date                | Time | Grab                | Comp. | PID Reading (ppm)                | Label Number | EPA 8860 METALS: ZN, AL, AS, BA, CH, CO, FE, MN, NI, O+G, TDS, TSS, CYANIDE                                         | Analysis Required | Disposed of by: (Signature)                                                                     | Disposed of by: (Signature) | Items                       | Sample Type | Matrix | Sample Container | Date / Time |  |
| 1                                                                                          | EFF                                  | 6/02                | 6:02 | 9:30                | X     |                                  |              |                                                                                                                     |                   |                                                                                                 |                             |                             |             |        |                  |             |  |
| 2                                                                                          |                                      |                     |      | 9:35                |       |                                  |              |                                                                                                                     |                   |                                                                                                 |                             |                             |             |        |                  |             |  |
| 3                                                                                          |                                      |                     |      | 9:40                |       |                                  |              |                                                                                                                     |                   |                                                                                                 |                             |                             |             |        |                  |             |  |
| 4                                                                                          |                                      |                     |      | 9:45                |       |                                  |              |                                                                                                                     |                   |                                                                                                 |                             |                             |             |        |                  |             |  |
| 5                                                                                          |                                      |                     |      | 9:50                |       |                                  |              |                                                                                                                     |                   |                                                                                                 |                             |                             |             |        |                  |             |  |
| 6                                                                                          | TNF                                  | 6/02                |      | 10:00               |       |                                  |              |                                                                                                                     |                   |                                                                                                 |                             |                             |             |        |                  |             |  |
| 7                                                                                          |                                      |                     |      | 10:05               |       |                                  |              |                                                                                                                     |                   |                                                                                                 |                             |                             |             |        |                  |             |  |
| 8                                                                                          |                                      |                     |      | 10:10               |       |                                  |              |                                                                                                                     |                   |                                                                                                 |                             |                             |             |        |                  |             |  |
| 9                                                                                          |                                      |                     |      | 10:15               |       |                                  |              |                                                                                                                     |                   |                                                                                                 |                             |                             |             |        |                  |             |  |
| 10                                                                                         |                                      |                     |      | 10:20               |       |                                  |              |                                                                                                                     |                   |                                                                                                 |                             |                             |             |        |                  |             |  |
| 11                                                                                         | 203 Tw - 1                           | 6/02                |      | 10:25               |       |                                  |              |                                                                                                                     |                   |                                                                                                 |                             |                             |             |        |                  |             |  |
| 12                                                                                         | 204 Tw - 2A                          | 6/02                |      | 10:30               |       |                                  |              |                                                                                                                     |                   |                                                                                                 |                             |                             |             |        |                  |             |  |
| 13                                                                                         | 205 Tw - 3                           | 6/02                |      | 10:35               |       |                                  |              |                                                                                                                     |                   |                                                                                                 |                             |                             |             |        |                  |             |  |
| 14                                                                                         | TRIP BLANK 206                       |                     |      |                     |       |                                  |              |                                                                                                                     |                   |                                                                                                 |                             |                             |             |        |                  |             |  |
| 15                                                                                         |                                      |                     |      |                     |       |                                  |              |                                                                                                                     |                   |                                                                                                 |                             |                             |             |        |                  |             |  |
| 16                                                                                         |                                      |                     |      |                     |       |                                  |              |                                                                                                                     |                   |                                                                                                 |                             |                             |             |        |                  |             |  |
| 17                                                                                         |                                      |                     |      |                     |       |                                  |              |                                                                                                                     |                   |                                                                                                 |                             |                             |             |        |                  |             |  |
| 18                                                                                         |                                      |                     |      |                     |       |                                  |              |                                                                                                                     |                   |                                                                                                 |                             |                             |             |        |                  |             |  |
| Relinquished by: (Signature)                                                               |                                      |                     |      | Date / Time         |       | Received by: (Signature)         |              | Received by: (Signature)                                                                                            |                   | Disposed of by: (Signature)                                                                     |                             | Disposed of by: (Signature) |             | Items  |                  | Date / Time |  |
| Roger Gray                                                                                 |                                      |                     |      | 6/02 1:30           |       | Roger Gray                       |              | Roger Gray                                                                                                          |                   |                                                                                                 |                             |                             |             | 1      |                  | 6/02 1:30   |  |
| Relinquished by: (Signature)                                                               |                                      |                     |      | Date / Time         |       | Received by: (Signature)         |              | Received by: (Signature)                                                                                            |                   | Disposed of by: (Signature)                                                                     |                             | Disposed of by: (Signature) |             | Items  |                  | Date / Time |  |
| Roger Gray                                                                                 |                                      |                     |      | 6/02 1:30           |       | Roger Gray                       |              | Roger Gray                                                                                                          |                   |                                                                                                 |                             |                             |             | 1      |                  | 6/02 1:30   |  |
| Send Lab Results To: KEITH DECKER EARTH TECH. 40 BRITISH AMERICAN BLVD. LATHAM, N.Y. 12110 |                                      |                     |      | Remarks:            |       | Federal Express Airbill No. Lab: |              | Check Delivery Method: <input type="checkbox"/> Samples delivered in person <input type="checkbox"/> Common carrier |                   | Laboratory Receiving Notes: Custody Seal Intact? Temp. of Shipping Container: Sample Condition: |                             |                             |             |        |                  |             |  |

07/01/2002

Earth Tech  
ATTN: Keith Decker  
40 British American Blvd.  
Latham, NY 12110

Project Reference: NOW Corp., 55849.02  
Lab Number: A2061901-01/08

Enclosed are results for sample(s) received 6/19/02 by Air Technology Laboratories. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

Sample analyses were performed within method performance criteria.  
All results are reported without qualifications.

Results were faxed to Keith Decker on 6/28/02.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,



Mark Johnson  
Operations Manager  
mark@atlglobal.com

Enclosures

Note: The cover letter is an integral part of this analytical report.



Client: EarthTech  
Attn: Keith Decker

Page 1 of 1

Client's Project: NOW CORP., 55849.02  
Date Received: 06/19/02  
Matrix: Air  
Units: ppbv

EPA Method TO14

| Lab No:               |     | A2061901-01 |     | A2061901-02 |     | A2061901-03 |     | A2061901-04  |     | A2061901-05 |     |
|-----------------------|-----|-------------|-----|-------------|-----|-------------|-----|--------------|-----|-------------|-----|
| Client Sample I.D.:   |     | TW-1VE 6/02 |     | VE-1VE 6/02 |     | VE-2VE 6/02 |     | TW-2AVE 6/02 |     | ST-1 6/02   |     |
| Date Sampled:         |     | 06/18/02    |     | 06/18/02    |     | 06/18/02    |     | 06/18/02     |     | 06/18/02    |     |
| Date Analyzed:        |     | 06/19/02    |     | 06/19/02    |     | 06/20/02    |     | 06/20/02     |     | 06/20/02    |     |
| QC Batch No:          |     | 020619MS2A1 |     | 020619MS2A1 |     | 020620MS2A1 |     | 020620MS2A1  |     | 020620MS2A1 |     |
| Analyst Initials:     |     | SC          |     | SC          |     | SC          |     | SC           |     | SC          |     |
| Dilution Factor:      |     | 1.0         |     | 1.0         |     | 1.0         |     | 1.0          |     | 1.0         |     |
| ANALYTE               | MDL | Result      | RL  | Result      | RL  | Result      | RL  | Result       | RL  | Result      | RL  |
| Vinyl Chloride        | 1.0 | ND          | 1.0 | ND          | 1.0 | ND          | 1.0 | ND           | 1.0 | ND          | 1.0 |
| Chloroethane          | 1.0 | ND          | 1.0 | ND          | 1.0 | ND          | 1.0 | ND           | 1.0 | ND          | 1.0 |
| 1,1-Dichloroethene    | 1.0 | ND          | 1.0 | ND          | 1.0 | 1.3         | 1.0 | ND           | 1.0 | ND          | 1.0 |
| 1,1-Dichloroethane    | 1.0 | 2.1         | 1.0 | 2.3         | 1.0 | 2.2         | 1.0 | 2.3          | 1.0 | 2.2         | 1.0 |
| c-1,2-Dichloroethene  | 1.0 | ND          | 1.0 | ND          | 1.0 | ND          | 1.0 | ND           | 1.0 | ND          | 1.0 |
| 1,1,1-Trichloroethane | 1.0 | 18          | 1.0 | 18          | 1.0 | 19          | 1.0 | 19           | 1.0 | 18          | 1.0 |
| Benzene               | 1.0 | ND          | 1.0 | ND          | 1.0 | ND          | 1.0 | ND           | 1.0 | ND          | 1.0 |
| 1,2-Dichloroethane    | 1.0 | ND          | 1.0 | ND          | 1.0 | ND          | 1.0 | ND           | 1.0 | ND          | 1.0 |
| Trichloroethene       | 1.0 | 34          | 1.0 | 36          | 1.0 | 41          | 1.0 | 36           | 1.0 | 37          | 1.0 |
| Toluene               | 1.0 | 13          | 1.0 | 12          | 1.0 | 9.4         | 1.0 | 6.7          | 1.0 | 8.6         | 1.0 |
| 1,1,2-Trichloroethane | 1.0 | ND          | 1.0 | ND          | 1.0 | ND          | 1.0 | ND           | 1.0 | ND          | 1.0 |
| Tetrachloroethene     | 1.0 | ND          | 1.0 | ND          | 1.0 | ND          | 1.0 | ND           | 1.0 | ND          | 1.0 |
| Chlorobenzene         | 1.0 | ND          | 1.0 | ND          | 1.0 | ND          | 1.0 | ND           | 1.0 | ND          | 1.0 |
| Ethylbenzene          | 1.0 | ND          | 1.0 | ND          | 1.0 | ND          | 1.0 | ND           | 1.0 | ND          | 1.0 |
| p,&m-Xylene           | 1.0 | ND          | 1.0 | ND          | 1.0 | ND          | 1.0 | ND           | 1.0 | ND          | 1.0 |
| o-Xylene              | 1.0 | ND          | 1.0 | ND          | 1.0 | ND          | 1.0 | ND           | 1.0 | ND          | 1.0 |
|                       |     |             |     |             |     |             |     |              |     |             |     |

MDL = Method Detection Limit

ND = Not Detected (below RL)

RL = MDL X Dilution Factor

Reviewed/Approved By:



Mark Johnson  
Air Toxics Operations Manager

Date

6-28-02

The cover letter is an integral part of this analytical report



Client: EarthTech  
Attn: Keith Decker

Page 1 of 1

Client's Project: NOW CORP., 55849.02  
Date Received: 06/19/02  
Matrix: Air  
Units: ppbv

EPA Method TO14

|                       |             |              |             |        |     |
|-----------------------|-------------|--------------|-------------|--------|-----|
| Lab No:               | A2061901-06 | A2061901-07  | A2061901-08 |        |     |
| Client Sample I.D.:   | PAS 6/02    | SVE-EXH 6/02 | ST-4 6/02   |        |     |
| Date Sampled:         | 06/18/02    | 06/18/02     | 06/18/02    |        |     |
| Date Analyzed:        | 06/20/02    | 06/20/02     | 06/19/02    |        |     |
| QC Batch No:          | 020620MS2A1 | 020620MS2A1  | 020619MS2A1 |        |     |
| Analyst Initials:     | SC          | SC           | SC          |        |     |
| Dilution Factor:      | 4.0         | 4.0          | 1.0         |        |     |
| ANALYTE               | MDL         | Result       | RL          | Result | RL  |
| Vinyl Chloride        | 1.0         | ND           | 4.0         | ND     | 4.0 |
| Chloroethane          | 1.0         | ND           | 4.0         | ND     | 4.0 |
| 1,1-Dichloroethene    | 1.0         | 16           | 4.0         | 11     | 4.0 |
| 1,1-Dichloroethane    | 1.0         | 155          | 4.0         | 37     | 4.0 |
| c-1,2-Dichloroethene  | 1.0         | 8.7          | 4.0         | 20     | 4.0 |
| 1,1,1-Trichloroethane | 1.0         | 620          | 4.0         | 633    | 4.0 |
| Benzene               | 1.0         | ND           | 4.0         | ND     | 4.0 |
| 1,2-Dichloroethane    | 1.0         | ND           | 4.0         | ND     | 4.0 |
| Trichloroethene       | 1.0         | 213          | 4.0         | 7.0    | 4.0 |
| Toluene               | 1.0         | 5.5          | 4.0         | 13     | 4.0 |
| 1,1,2-Trichloroethane | 1.0         | ND           | 4.0         | ND     | 4.0 |
| Tetrachloroethene     | 1.0         | ND           | 4.0         | ND     | 4.0 |
| Chlorobenzene         | 1.0         | ND           | 4.0         | ND     | 4.0 |
| Ethylbenzene          | 1.0         | ND           | 4.0         | ND     | 4.0 |
| p,&m-Xylene           | 1.0         | 8.0          | 4.0         | ND     | 4.0 |
| o-Xylene              | 1.0         | ND           | 4.0         | ND     | 4.0 |

MDL = Method Detection Limit

ND = Not Detected (below RL)

RL = MDL X Dilution Factor

Reviewed/Approved By:

  
Mark Johnson  
Air Toxics Operations Manager

Date 6-28-02

The cover letter is an integral part of this analytical report



## LCS/LCSD Recovery and RPD Summary Report

QC Batch #: 020619MS2A1

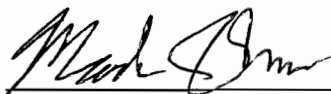
Matrix: Air

## EPA Method TO-14/TO-15

| Lab No:                   | Method Blank   |                 | LCS            |       | LCSD           |       |        |             |              |             |               |
|---------------------------|----------------|-----------------|----------------|-------|----------------|-------|--------|-------------|--------------|-------------|---------------|
| Date Analyzed:            | 06/19/02       |                 | 06/19/02       |       | 06/19/02       |       |        |             |              |             |               |
| Data File ID:             | 19JUN005.D     |                 | 19JUN003.D     |       | 19JUN004.D     |       |        |             |              |             |               |
| Analyst Initials:         | SC             |                 | SC             |       | SC             |       |        |             |              |             |               |
| Dilution Factor:          | 1.0            |                 | 1.0            |       | 1.0            |       |        |             |              |             |               |
|                           |                |                 |                |       |                |       | Limits |             |              |             |               |
| ANALYTE                   | Result<br>ppbv | Spike<br>Amount | Result<br>ppbv | % Rec | Result<br>ppbv | % Rec | RPD    | Low<br>%Rec | High<br>%Rec | Max.<br>RPD | Pass/<br>Fail |
| 1,1-Dichloroethene        | 0.0            | 10.0            | 9.1            | 91    | 9.0            | 90    | 0.3    | 70          | 130          | 30          | Pass          |
| Methylene Chloride        | 0.0            | 10.0            | 8.7            | 87    | 8.6            | 86    | 0.9    | 70          | 130          | 30          | Pass          |
| Trichloroethene           | 0.0            | 10.0            | 9.5            | 95    | 8.9            | 89    | 7.1    | 70          | 130          | 30          | Pass          |
| Toluene                   | 0.0            | 10.0            | 9.3            | 93    | 8.7            | 87    | 6.7    | 70          | 130          | 30          | Pass          |
| 1,1,2,2-Tetrachloroethane | 0.0            | 10.0            | 10.7           | 107   | 10.5           | 105   | 1.5    | 70          | 130          | 30          | Pass          |
|                           |                |                 |                |       |                |       |        |             |              |             |               |

RPD = Relative Percent Difference

Reviewed/Approved By:



Mark Johnson

Air Toxics Operations Manager

Date:

6-28-02

The cover letter is an integral part of this analytical report



## LCS/LCSD Recovery and RPD Summary Report

QC Batch #: 020620MS2A1

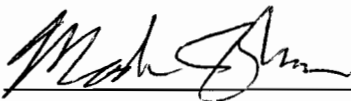
Matrix: Air

## EPA Method TO-14/TO-15

| Lab No:                   | Method Blank   |                 | LCS            |       | LCSD           |       |        |             |              |             |               |
|---------------------------|----------------|-----------------|----------------|-------|----------------|-------|--------|-------------|--------------|-------------|---------------|
| Date Analyzed:            | 06/20/02       |                 | 06/20/02       |       | 06/20/02       |       |        |             |              |             |               |
| Data File ID:             | 20JUN005.D     |                 | 20JUN003.D     |       | 20JUN004.D     |       |        |             |              |             |               |
| Analyst Initials:         | SC             |                 | SC             |       | SC             |       |        |             |              |             |               |
| Dilution Factor:          | 1.0            |                 | 1.0            |       | 1.0            |       |        |             |              |             |               |
|                           |                |                 |                |       |                |       | Limits |             |              |             |               |
| ANALYTE                   | Result<br>ppbv | Spike<br>Amount | Result<br>ppbv | % Rec | Result<br>ppbv | % Rec | RPD    | Low<br>%Rec | High<br>%Rec | Max.<br>RPD | Pass/<br>Fail |
| 1,1-Dichloroethene        | 0.0            | 10.0            | 9.0            | 90    | 8.7            | 87    | 3.1    | 70          | 130          | 30          | Pass          |
| Methylene Chloride        | 0.0            | 10.0            | 8.6            | 86    | 8.2            | 82    | 4.5    | 70          | 130          | 30          | Pass          |
| Trichloroethene           | 0.0            | 10.0            | 9.1            | 91    | 9.1            | 91    | 0.6    | 70          | 130          | 30          | Pass          |
| Toluene                   | 0.0            | 10.0            | 9.0            | 90    | 8.7            | 87    | 3.7    | 70          | 130          | 30          | Pass          |
| 1,1,2,2-Tetrachloroethane | 0.0            | 10.0            | 10.2           | 102   | 9.9            | 99    | 2.6    | 70          | 130          | 30          | Pass          |
|                           |                |                 |                |       |                |       |        |             |              |             |               |

RPD = Relative Percent Difference

Reviewed/Approved By:



Mark Johnson

Air Toxics Operations Manager

Date:

6-28-02

The cover letter is an integral part of this analytical report





| Project Number                                                                                           |                                      | Project Name/Client                                                                                         |       | Earth Tech Cooler #                                                                                                       |      |
|----------------------------------------------------------------------------------------------------------|--------------------------------------|-------------------------------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------------------------------------------|------|
| Sample Custodian: (Signature)                                                                            |                                      | Analysis Required                                                                                           |       | Custody Seal #                                                                                                            |      |
| Item No.                                                                                                 | Sample Description (Field ID Number) | Date                                                                                                        | Time  | Grb                                                                                                                       | Comp |
| 1                                                                                                        | TW - 1VE                             | 6/02                                                                                                        | 6:18  | 240:40                                                                                                                    | N/A  |
| 2                                                                                                        | VE - 1VE                             | 6/02                                                                                                        | 10:45 |                                                                                                                           |      |
| 3                                                                                                        | VE - 2VE                             | 6/02                                                                                                        | 10:50 |                                                                                                                           |      |
| 4                                                                                                        | TW - 2AVE                            | 6/02                                                                                                        | 10:55 |                                                                                                                           |      |
| 5                                                                                                        | ST-1                                 | 6/02                                                                                                        | 11:00 |                                                                                                                           |      |
| 6                                                                                                        | PAS                                  | 6/02                                                                                                        | 11:05 |                                                                                                                           |      |
| 7                                                                                                        | SUE-EXH                              | 6/02                                                                                                        | 11:10 |                                                                                                                           |      |
| 8                                                                                                        | ST-4                                 | 6/02                                                                                                        | 11:15 |                                                                                                                           |      |
| 9                                                                                                        |                                      |                                                                                                             |       |                                                                                                                           |      |
| 10                                                                                                       |                                      |                                                                                                             |       |                                                                                                                           |      |
| 11                                                                                                       |                                      |                                                                                                             |       |                                                                                                                           |      |
| 12                                                                                                       |                                      |                                                                                                             |       |                                                                                                                           |      |
| 13                                                                                                       |                                      |                                                                                                             |       |                                                                                                                           |      |
| 14                                                                                                       |                                      |                                                                                                             |       |                                                                                                                           |      |
| 15                                                                                                       |                                      |                                                                                                             |       |                                                                                                                           |      |
| 16                                                                                                       |                                      |                                                                                                             |       |                                                                                                                           |      |
| 17                                                                                                       |                                      |                                                                                                             |       |                                                                                                                           |      |
| 18                                                                                                       |                                      |                                                                                                             |       |                                                                                                                           |      |
| Relinquished by: (Signature)                                                                             |                                      | Date / Time                                                                                                 |       | Received by: (Signature)                                                                                                  |      |
| Relinquished by: (Signature)                                                                             |                                      | Date / Time                                                                                                 |       | Received by: (Signature)                                                                                                  |      |
| Send Lab Results To: KEITH DECKER<br>EARTH TECH<br>40 BRITISH AMERICAN BLVD.<br>LATHAM, N.Y. 12110       |                                      | Remarks: THAT: 10 BUSINESS DAYS<br>SEND ENOUGH BAGS BACK WITH<br>COOLER FOR NEXT SAMP. C/O ROGER G.<br>Lab: |       | Check Delivery Method:<br><input type="checkbox"/> Samples delivered in person<br><input type="checkbox"/> Common carrier |      |
| Laboratory Receiving Notes:<br>Custody Seal Intact?<br>Temp. of Shipping Container:<br>Sample Condition: |                                      | Disposed of by: (Signature)                                                                                 |       | Disposed of by: (Signature)                                                                                               |      |
| Items:                                                                                                   |                                      | Date / Time                                                                                                 |       | Date / Time                                                                                                               |      |
| Items:                                                                                                   |                                      | Date / Time                                                                                                 |       | Date / Time                                                                                                               |      |

**Operation, Maintenance and Monitoring Report  
July 2002**

**NOW Corporation Site  
Site 3-14-008**

**Work Assignment No.  
D003821-29**

RECEIVED  
DEC 20 2002  
NYS-DEC  
REGION 3-NEW PALTZ

Prepared for:



**SUPERFUND STANDBY PROGRAM  
New York State  
Department of Environmental Conservation  
625 Broadway  
Albany, New York 12233**

Prepared by:

**Earth Tech of New York, Inc.  
40 British American Boulevard  
Latham, New York 12110**

November 25, 2002

Mr. Saiban Mahamooth  
NYSDEC Region 3  
21 South Putt Corners Road  
New Paltz, New York 12561

Re: NOW Corporation - Site #3-14-008  
Monthly Summary Report - July 2002

Dear Mr. Mahamooth:

Earth Tech is pleased to provide you with a monthly summary report for the operation, monitoring and maintenance of the groundwater treatment system at the NOW Corporation site in the Town of Clinton, New York.

Telephone

518.951.2200

Facsimile

518.951.2300

This report covers the operation, maintenance and monitoring of the vapor extraction system and the groundwater pump and treatment system for the month of July 2002. In summary, approximately 242,706 gallons of water were treated during the reporting period.

The level transducers in the wells are still not functional and the PLC will be shipped to the manufacturer for reprogramming. The system will be operated in hand position to maintain the groundwater containment. The new parts have been ordered along with the surge suppression system.

Discharge from the treatment system averaged approximately 6,387 gallons per day. Approximately 98 percent of the treated effluent was discharged to Crum Elbow Creek and 2 percent was injected, via well IW-1 into the bedrock aquifer. These readings may not be accurate, due to the fact it is uncommon for these injection wells to accept more of the flow.

Table 1 summarizes influent and effluent data for samples collected on July 26, 2002. All of the effluent treatment requirements were met. A copy of the laboratory report is attached.

Earth Tech made one site visit to conduct the required monthly maintenance and sampling. Table 2 summarizes the operation and maintenance data. Table 3 summarizes monitoring well water level data. No air monitoring was taken due to work on the system. Table 4 summarizes the groundwater treatment system air sampling data and Table 5 summarizes the post air stripper data. Copies of the laboratory reports are attached.

Earth Tech personnel performed the following maintenance items in addition to routine monitoring of system temperatures, pressures, flow measurements, monitoring well water levels, air sampling, etc.:

- Cleaned rain gutters.



Page 2

Mr. Saiban Mahamooth

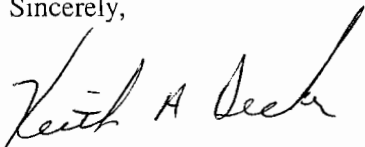
July, 2002 Monitoring Report

- Lubricated Heat exchanger fan and air stripper blower motor.
- Changed oil in vapor blower motor.
- Back-flushed sand filter.
- Changed air filters on vapor extraction fans.

As of July 26, 2002, a total of 25,620,200 gallons of groundwater were recovered and treated by the system.

Please feel free to contact me at (518) 951-2229 should you have any questions regarding the operation of the treatment system.

Sincerely,



Keith A. Decker  
Project Manager

Attachments

L:\work\55849\docs\7-02report.doc

**Table 1**  
**Summary of July 2002 Influent and Effluent Data**

**NOW Corporation Site**  
**Town of Clinton, New York**

| <b>Effluent<br/>Parameters</b> | <b>Influent</b> | <b>Effluent</b> | <b>TW-1</b> | <b>TW-2A</b> | <b>TW-3</b> | <b>Treatment<br/>Requirements<br/>(units)</b> |
|--------------------------------|-----------------|-----------------|-------------|--------------|-------------|-----------------------------------------------|
| Flow                           | *               | 6,387           |             |              |             | Monitor<br>gpd                                |
| pH                             | 6.5             | 6.8             |             |              |             | 6.5 to 8.5<br>standard units                  |
| Vinyl Chloride                 | <10             | <0.5            | <10         | <100         | <10         | ug/L                                          |
| Chloroethane                   | <10             | <0.5            | <10         | <100         | <10         | ug/L                                          |
| 1,1-Dichloroethene             | <b>39</b>       | <0.5            | <b>24</b>   | <b>52</b>    | <b>5.1</b>  | ug/L                                          |
| trans-1,2-Dichloroethene       | <5              | <0.5            | <5          | <50          | <5          | ug/L                                          |
| 1,1-Dichloroethane             | <b>410</b>      | <0.5            | <b>210</b>  | <b>550</b>   | <b>50</b>   | ug/L                                          |
| cis-1,2-Dichloroethene         | <b>24</b>       | <0.5            | <b>12</b>   | <b>33</b>    | <5          | ug/L                                          |
| 1,1,1-Trichloroethane          | <b>2600</b>     | <0.5            | <b>330</b>  | <b>4000</b>  | <b>32</b>   | ug/L                                          |
| Benzene                        | <5              | <0.5            | <5          | <50          | <5          | ug/L                                          |
| 1,2-Dichloroethane             | <5              | <0.5            | <5          | <50          | <5          | ug/L                                          |
| Trichloroethene                | <b>660</b>      | <0.5            | <b>150</b>  | <b>960</b>   | <b>22</b>   | ug/L                                          |
| Toluene                        | <5              | <0.5            | <5          | <50          | <5          | ug/L                                          |
| 1,1,2-Trichloroethane          | <5              | <0.5            | <5          | <50          | <5          | ug/L                                          |
| Tetrachloroethene              | <5              | <0.5            | <5          | <50          | <5          | ug/L                                          |
| Chlorobenzene                  | <5              | <0.5            | <5          | <50          | <5          | ug/L                                          |
| Ethylbenzene                   | <5              | <0.5            | <5          | <50          | <5          | ug/L                                          |
| 1,2- and 1,4-Xylenes           | <5              | <0.5            | <5          | <50          | <5          | ug/L                                          |
| 1,3-Xylene                     | <5              | <0.5            | <5          | <50          | <5          | ug/L                                          |
| Aluminum, Total                | <0.1            | <0.1            |             |              |             | ug/L                                          |
| Arsenic, Total                 | <0.005          | <0.005          |             |              |             | ug/L                                          |
| Barium, Total                  | <b>0.08</b>     | <b>0.07</b>     |             |              |             | ug/L                                          |
| Chromium                       | <0.005          | <b>0.011</b>    |             |              |             | ug/L                                          |
| Copper                         | <0.005          | <0.005          |             |              |             | ug/L                                          |
| Iron                           | <0.05           | <0.05           |             |              |             | ug/L                                          |
| Manganese                      | <b>0.17</b>     | <0.02           |             |              |             | ug/L                                          |
| Mercury                        | <0.0004         | <0.0004         |             |              |             | ug/L                                          |
| Nickel                         | <0.05           | <0.02           |             |              |             | ug/L                                          |
| Zinc                           | <0.01           | <0.01           |             |              |             | ug/L                                          |
| Oil and Grease                 | <1.0            | <1.0            |             |              |             | mg/L                                          |
| Cyanide                        | <0.01           | <b>0.03</b>     |             |              |             | ug/L                                          |
| TDS                            | <b>318</b>      | <b>300</b>      |             |              |             | mg/L                                          |
| TSS                            | <1              | <1              |             |              |             | mg/L                                          |

**Notes:**

- 1) Positive results are presented in **bold** typeface.
  - 2) ND indicates Not Detected at or above the laboratory reporting limit.
  - 3) NA indicates Not Applicable.
  - 4) "J" indicates an estimated concentration below the method detection limit.
  - 5) Boxed in **bold** denotes exceedance of treatment requirements.
- \* Average daily flow as measured June 14, 2002 to July 26, 2002.

**Table 2**  
**Summary of July 2002 O&M Data**

**NOW Corporation Site**  
**Town of Clinton, New York**

| <b>Instrumentation/Readings:</b>       |  | <b>7/26/02</b> | <b>units</b>            |
|----------------------------------------|--|----------------|-------------------------|
| <b><i>TW-1</i></b>                     |  |                |                         |
| Pumping Rate                           |  | 3              | GPM                     |
| Water Level Above Transducer           |  | NW             | feet                    |
| Flow Meter Reading                     |  | 9,065,800      | gallons                 |
| Pump Pressure                          |  | 78             | psi                     |
| <b><i>TW-2A</i></b>                    |  |                |                         |
| Pumping Rate                           |  | 6              | GPM                     |
| Water Level Above Transducer           |  | NW             | feet                    |
| Flow Meter Reading                     |  | 5,003,100      | gallons                 |
| Pump Pressure                          |  | 54             | psi                     |
| <b><i>TW-3</i></b>                     |  |                |                         |
| Pumping Rate                           |  | 2              | GPM                     |
| Water Level Above Transducer           |  | NW             | feet                    |
| Flow Meter Reading                     |  | 5,871,300      | gallons                 |
| Pump Pressure                          |  | 88             | psi                     |
| <b><i>Air Stripper</i></b>             |  |                |                         |
| Stripper Blower Pressure               |  | 18             | inches H <sub>2</sub> O |
| Air Temperature in Stripper            |  | 52             | °F                      |
| Pressure Gauge - Left Leg              |  | 1              | inches H <sub>2</sub> O |
| Pressure Gauge - Right Leg             |  | 0.6            | inches H <sub>2</sub> O |
| Pressure/Vacuum on the Stripper        |  |                | inches H <sub>2</sub> O |
| <b><i>Sand Filter</i></b>              |  |                |                         |
| Influent Pressure                      |  | 18             | psi                     |
| Effluent Pressure                      |  | 8.5            | psi                     |
| Differential Pressure Across Filter    |  | 9.5            | psi                     |
| <b><i>Effluent Flow</i></b>            |  |                |                         |
| Total System Meter Reading             |  | 25,620,200     | gallons                 |
| IW-1 Flow Meter Reading                |  | 1,299,370      | gallons                 |
| IW-2 Flow Meter Reading                |  | 1,748,748      | gallons                 |
| <b><i>Vapor Extraction System</i></b>  |  |                |                         |
| Vapor Blower Vacuum                    |  | 7.5            | inches Hg               |
| Vacuum before Filter with Dilution Air |  | 7.0            | inches Hg               |
| Vacuum on Knock-out Pot                |  | 11.0           | inches Hg               |
| Blower Inlet Temperature               |  | 74             | °F                      |
| Blower Outlet Temperature              |  | 190            | °F                      |
| Pressure After Blower                  |  | 54             | psi                     |
| Heat Exchanger Outlet Temperature      |  | 74             | °F                      |

*Note: N/A indicates Not Available.*

*NW - Not working*

**Table 3**  
**Summary of July 2002 Water Levels**

**NOW Corporation Site**  
**Town of Clinton, New York**

| <b>Well ID</b> | <b>M.P.</b>      | <b>7/26/02</b>        |                     |
|----------------|------------------|-----------------------|---------------------|
|                | <b>Elevation</b> | <b>Depth to Water</b> | <b>GW Elevation</b> |
|                |                  | <b>(ft b.m.p.)</b>    |                     |
| MW-1           | 289.50           | 15.44                 | 274.06              |
| MW-2           | 332.51           | 34.64                 | 297.87              |
| MW-3           | 312.83           | 32.63                 | 280.20              |
| MW-3S          | 312.51           | 28                    | 284.51              |
| MW-4           | 298.29           | 25.16                 | 273.13              |
| MW-4D          | 298.16           | 25.01                 | 273.15              |
| MW-5           | 285.48           | 20.43                 | 265.05              |
| MW-6S          | 287.90           | 20.6                  | 267.30              |
| MW-6D          | 287.25           | 14.00                 | 273.25              |
| MW-7S          | 292.12           | 31.61                 | 260.51              |
| MW-7D          | 292.54           | 65.04                 | 227.50              |
| MW-8           | 283.65           | N/A                   | #VALUE!             |
| MW-9           | 275.37           | N/A                   | #VALUE!             |
| MW-10          | 280.92           | N/A                   | N/A                 |
| MW-11          | 283.72           | N/A                   | #VALUE!             |
| OW-1           | 307.75           | 50.63                 | 257.12              |
| OW-2           | 305.96           | 71.19                 | 234.77              |
| OW-3           | 307.35           | N/A                   | #VALUE!             |
| OW-4           | 308.30           | N/A                   | #VALUE!             |
| OW-5           | 307.41           | N/A                   | #VALUE!             |
| OW-6           | 294.81           | 8.39                  | 286.42              |
| IW-1           | 312.46           | 10.32                 | 302.14              |
| IW-2           | 306.56           | 9.17                  | 297.39              |
| TW-2           | 290.52           | N/A                   | #VALUE!             |

*Note: N/A indicates Not Available.*

**Table 4**  
**July 2002 Groundwater Treatment System Air Sampling Data**  
NOW Corporation Site  
Town of Clinton, New York

| Analyte                | TW-1VE<br>07/26/02 |    | TW-2AVE<br>07/26/02 |    | VE-1VE<br>07/26/02 |    | VE-2VE<br>07/26/02 |    | ST-1<br>07/26/02 |    | SVE-EXH<br>07/26/02 |    | ST-4<br>06/18/02 |    |
|------------------------|--------------------|----|---------------------|----|--------------------|----|--------------------|----|------------------|----|---------------------|----|------------------|----|
|                        | Results            | RL | Results             | RL | Results            | RL | Results            | RL | Results          | RL | Results             | RL | Results          | RL |
| Vinyl Chloride         | ND                 | 1  | ND                  | 1  | ND                 | 1  | ND                 | 1  | ND               | 1  | ND                  | 4  | ND               | 1  |
| Chloroethane           | ND                 | 1  | ND                  | 1  | ND                 | 1  | ND                 | 1  | ND               | 1  | ND                  | 4  | ND               | 1  |
| 1,1-Dichloroethene     | 21.0               | 1  | 9.2                 | 1  | 11                 | 1  | 8.6                | 1  | 8                | 1  | ND                  | 4  | 24               | 1  |
| 1,1-Dichloroethane     | 44.0               | 1  | 38.0                | 1  | 41                 | 1  | 34                 | 1  | 33               | 1  | 23                  | 4  | 63               | 1  |
| cis-1,2-Dichloroethene | 18.0               | 1  | 15                  | 1  | 17                 | 1  | 14                 | 1  | 13               | 1  | 611                 | 4  | ND               | 1  |
| 1,1,1-Trichloroethane  | 396.0              | 1  | 317                 | 1  | 351                | 1  | 284                | 1  | 282              | 1  | 6.4                 | 4  | 50.0             | 1  |
| 1,2-Dichloroethane     | ND                 | 1  | ND                  | 1  | ND                 | 1  | ND                 | 1  | ND               | 1  | ND                  | 4  | ND               | 1  |
| Benzene                | ND                 | 1  | 2.2                 | 1  | ND                 | 1  | ND                 | 1  | ND               | 1  | ND                  | 4  | ND               | 1  |
| Trichloroethene        | 397                | 1  | 339                 | 1  | 352                | 1  | 312                | 1  | 322              | 1  | 17                  | 4  | ND               | 1  |
| Toluene                | 14                 | 1  | 41                  | 1  | 7.8                | 1  | 6.1                | 1  | 35               | 1  | 50                  | 4  | 10               | 1  |
| 1,1,2-Trichloroethane  | ND                 | 1  | ND                  | 1  | ND                 | 1  | ND                 | 1  | ND               | 1  | ND                  | 4  | ND               | 1  |
| Tetrachloroethene      | ND                 | 1  | ND                  | 1  | ND                 | 1  | ND                 | 1  | ND               | 1  | ND                  | 4  | ND               | 1  |
| Chlorobenzene          | ND                 | 1  | ND                  | 1  | ND                 | 1  | ND                 | 1  | ND               | 1  | ND                  | 4  | ND               | 1  |
| Ethylbenzene           | 7.8                | 1  | 20                  | 1  | 3.6                | 1  | 3.5                | 1  | 12               | 1  | 28                  | 4  | ND               | 1  |
| p&m -Xylene            | 29                 | 1  | 165                 | 1  | 14                 | 1  | 14                 | 1  | 75               | 1  | 450                 | 4  | ND               | 1  |
| o-Xylene               | 12                 | 1  | 76                  | 1  | 5.5                | 1  | 5.5                | 1  | 33               | 1  | 198                 | 4  | ND               | 1  |

**Notes:**

- 1) All results are reported in ppbv.
- 2) Positive results are presented in **bold typeface**.
- 3) ND indicates Not Detected (Below RL).
- 4) RL = Reporting Limit

**Legend:**

TW-1VE=Well TW-1 Vapor Extraction  
TW-2AVE=Well TW-2A Vapor Extraction  
VE-1VE=Well VE-1 Vapor Extraction  
VE-2VE=Well VE-2 Vapor Extraction  
ST-1 = Sampling Tap #1 (Raw; Four Vapor Extraction Wells Combined)  
SVE-EXH = Intermediate Sampling Tap, Between (2) 55-gal. Drum Carbon Adsorbers  
ST-4 = Sampling Tap #4 (Final, After 2nd Carbon Adsorber)



**Table 5**  
**July 2002 Groundwater Treatment System Air Sampling Data**  
**NOW Corporation Site**  
**Town of Clinton, New York**

| Analyte                | Post Air Stripper (PAS) |    |
|------------------------|-------------------------|----|
|                        | 07/26/02                |    |
|                        | Results                 | RL |
| Vinyl Chloride         | ND                      | 4  |
| Chloroethane           | ND                      | 4  |
| 1,1-Dichloroethene     | <b>28</b>               | 4  |
| 1,1-Dichloroethane     | <b>363</b>              | 4  |
| cis-1,2-Dichloroethene | <b>15</b>               | 4  |
| 1,1,1-Trichloroethane  | <b>1,510</b>            | 4  |
| 1,2-Dichloroethane     | ND                      | 4  |
| Benzene                | ND                      | 4  |
| Trichloroethene        | <b>480</b>              | 4  |
| Toluene                | <b>23</b>               | 4  |
| 1,1,2-Trichloroethane  | ND                      | 4  |
| Tetrachloroethene      | ND                      | 4  |
| Chlorobenzene          | ND                      | 4  |
| Ethylbenzene           | <b>14</b>               | 4  |
| p&m -Xylene            | <b>106</b>              | 4  |
| o-Xylene               | <b>50</b>               | 4  |

*Notes:*

- 1) All results are reported in ppbv .
- 2) Positive results are presented in **bold** typeface.
- 3) ND indicates Not Detected (Below RL).
- 4) RL = Reporting Limit



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LABORATORY REPORT

for

Earth Tech, Inc.  
40 British American Blvd.  
Latham, NY 12110

Attention: Keith Decker

PJ:55849.01

Report date: 08/09/02  
Number of samples analyzed: 6  
AES Project ID: 020726AJ  
Invoice #: 245065

ELAP ID#: 10709

AIHA ID#: 100307

Page 1



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CLIENT: Earth Tech, Inc.  
CLIENT'S SAMPLE ID: EFF.  
AES sample #: 020726AJ01

Date Sampled: 07/26/02  
Date sample received: 07/26/02  
Location: Now Corp.  
grab  
Samples taken by: S. Gray  
MATRIX: Water

| <u>PARAMETER PERFORMED</u> | <u>METHOD</u> | <u>RESULT</u> | <u>UNITS</u> | <u>NOTEBOOK REF</u> | <u>TEST DATE</u> |
|----------------------------|---------------|---------------|--------------|---------------------|------------------|
| Total Suspended Solids     | EPA-160.2     | <1            | mg/l         | JK-G-1              | 07/29/02         |
| Total Dissolved Solids     | SW-846        | 300           | mg/l         | LS-F-47             | 07/29/02         |
| Oil & Grease               | EPA-9070      | <1            | mg/l         | JK-F-18             | 07/30/02         |
| Cyanide, Total             | EPA-9012      | 0.03          | mg/l         | MC-K                | 08/07/02         |
| Zinc                       | EPA-6010      | <0.01         | mg/l         | SM-I-3H-91          | 08/06/02         |
| Aluminum                   | EPA-6010      | <0.1          | mg/l         | SM-I-3H-91          | 08/06/02         |
| Arsenic                    | EPA-6010      | <0.005        | mg/l         | SM-I-3H-91          | 08/06/02         |
| Barium                     | EPA-6010      | 0.07          | mg/l         | SM-I-3H-91          | 08/06/02         |
| Copper                     | EPA-6010      | <0.005        | mg/l         | SM-I-3H-91          | 08/06/02         |
| Chromium                   | EPA-6010      | 0.011         | mg/l         | SM-I-3H-91          | 08/06/02         |
| Iron                       | EPA-6010      | <0.05         | mg/l         | SM-I-3H-91          | 08/06/02         |
| Manganese                  | EPA-6010      | <0.02         | mg/l         | SM-I-3H-91          | 08/06/02         |
| Mercury                    | EPA-7471      | <0.0004       | mg/l         | KH-HG-B-50          | 07/29/02         |
| Nickel                     | EPA-6010      | <0.05         | mg/l         | SM-I-3H-91          | 08/06/02         |
| Benzene                    | EPA-8260      | <0.5          | ug/l         | MG-SATE-50          | 07/29/02         |
| Chlorobenzene              | EPA-8260      | <0.5          | ug/l         | MG-SATE-50          | 07/29/02         |
| Chloroethane               | EPA-8260      | <0.5          | ug/l         | MG-SATE-50          | 07/29/02         |
| 1,1-Dichloroethane         | EPA-8260      | <0.5          | ug/l         | MG-SATE-50          | 07/29/02         |
| 1,2-Dichloroethane         | EPA-8260      | <0.5          | ug/l         | MG-SATE-50          | 07/29/02         |
| cis-1,2-Dichloroethene     | EPA-8260      | <0.5          | ug/l         | MG-SATE-50          | 07/29/02         |



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CLIENT: Earth Tech, Inc.  
CLIENT'S SAMPLE ID: EFF.  
AES sample #: 020726AJ01

Date Sampled: 07/26/02  
Date sample received: 07/26/02  
Location: Now Corp.  
grab  
Samples taken by: S. Gray  
MATRIX: Water

continued:

| <u>PARAMETER PERFORMED</u> | <u>METHOD</u> | <u>RESULT</u> | <u>UNITS</u> | <u>NOTEBOOK REF</u> | <u>TEST DATE</u> |
|----------------------------|---------------|---------------|--------------|---------------------|------------------|
| trans-1,2-Dichloroethene   | EPA-8260      | <0.5          | ug/l         | MG-SATE-50          | 07/29/02         |
| 1,1-Dichloroethene         | EPA-8260      | <0.5          | ug/l         | MG-SATE-50          | 07/29/02         |
| Ethylbenzene               | EPA-8260      | <0.5          | ug/l         | MG-SATE-50          | 07/29/02         |
| Tetrachloroethene          | EPA-8260      | <0.5          | ug/l         | MG-SATE-50          | 07/29/02         |
| Toluene                    | EPA-8260      | <0.5          | ug/l         | MG-SATE-50          | 07/29/02         |
| 1,1,1-Trichloroethane      | EPA-8260      | <0.5          | ug/l         | MG-SATE-50          | 07/29/02         |
| 1,1,2-Trichloroethane      | EPA-8260      | <0.5          | ug/l         | MG-SATE-50          | 07/29/02         |
| Trichloroethene            | EPA-8260      | <0.5          | ug/l         | MG-SATE-50          | 07/29/02         |
| Vinyl Chloride             | EPA-8260      | <0.5          | ug/l         | MG-SATE-50          | 07/29/02         |
| m,p-Xylene                 | EPA-8260      | <0.5          | ug/l         | MG-SATE-50          | 07/29/02         |
| o-Xylene                   | EPA-8260      | <0.5          | ug/l         | MG-SATE-50          | 07/29/02         |



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CLIENT: Earth Tech, Inc.  
CLIENT'S SAMPLE ID: INF.  
AES sample #: 020726AJ02

Date Sampled: 07/26/02  
Date sample received: 07/26/02  
Location: Now Corp.  
grab

Samples taken by: S. Gray  
MATRIX: Water

| <u>PARAMETER PERFORMED</u> | <u>METHOD</u> | <u>RESULT</u> | <u>UNITS</u> | <u>NOTEBOOK REF</u> | <u>TEST DATE</u> |
|----------------------------|---------------|---------------|--------------|---------------------|------------------|
| Total Suspended Solids     | EPA-160.2     | <1            | mg/l         | JK-G-2              | 07/29/02         |
| Total Dissolved Solids     | SW-846        | 318           | mg/l         | LS-F-47             | 07/29/02         |
| Oil & Grease               | EPA-9070      | <1            | mg/l         | JK-F-18             | 07/30/02         |
| Cyanide, Total             | EPA-9012      | <0.01         | mg/l         | MC-K                | 08/07/02         |
| Zinc                       | EPA-6010      | <0.01         | mg/l         | SM-I-3H-91          | 08/06/02         |
| Aluminum                   | EPA-6010      | <0.1          | mg/l         | SM-I-3H-91          | 08/06/02         |
| Arsenic                    | EPA-6010      | <0.005        | mg/l         | SM-I-3H-91          | 08/06/02         |
| Barium                     | EPA-6010      | 0.08          | mg/l         | SM-I-3H-91          | 08/06/02         |
| Copper                     | EPA-6010      | <0.005        | mg/l         | SM-I-3H-91          | 08/06/02         |
| Chromium                   | EPA-6010      | <0.005        | mg/l         | SM-I-3H-91          | 08/06/02         |
| Iron                       | EPA-6010      | <0.05         | mg/l         | SM-I-3H-91          | 08/06/02         |
| Manganese                  | EPA-6010      | 0.17          | mg/l         | SM-I-3H-91          | 08/06/02         |
| Mercury                    | EPA-7471      | <0.0004       | mg/l         | KH-HG-B-50          | 07/29/02         |
| Nickel                     | EPA-6010      | <0.05         | mg/l         | SM-I-3H-91          | 08/06/02         |
| Benzene                    | EPA-8260      | <5            | ug/l         | MG-SATE-50          | 07/29/02         |
| Chlorobenzene              | EPA-8260      | <5            | ug/l         | MG-SATE-50          | 07/29/02         |
| Chloroethane               | EPA-8260      | <5            | ug/l         | MG-SATE-50          | 07/29/02         |
| 1,1-Dichloroethane         | EPA-8260      | 410           | ug/l         | MG-SATE-50          | 07/29/02         |
| 1,2-Dichloroethane         | EPA-8260      | <5            | ug/l         | MG-SATE-50          | 07/29/02         |
| cis-1,2-Dichloroethene     | EPA-8260      | 24            | ug/l         | MG-SATE-50          | 07/29/02         |



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CLIENT: Earth Tech, Inc.  
CLIENT'S SAMPLE ID: INF.  
AES sample #: 020726AJ02

Date Sampled: 07/26/02  
Date sample received: 07/26/02  
Location: Now Corp.  
grab

Samples taken by: S. Gray  
MATRIX: Water

continued:

| <u>PARAMETER PERFORMED</u> | <u>METHOD</u> | <u>RESULT</u> | <u>UNITS</u> | <u>NOTEBK REF</u> | <u>TEST DATE</u> |
|----------------------------|---------------|---------------|--------------|-------------------|------------------|
| trans-1,2-Dichloroethene   | EPA-8260      | <5            | ug/l         | MG-SATE-50        | 07/29/02         |
| 1,1-Dichloroethene         | EPA-8260      | 39            | ug/l         | MG-SATE-50        | 07/29/02         |
| Ethylbenzene               | EPA-8260      | <5            | ug/l         | MG-SATE-50        | 07/29/02         |
| Tetrachloroethene          | EPA-8260      | <5            | ug/l         | MG-SATE-50        | 07/29/02         |
| Toluene                    | EPA-8260      | <5            | ug/l         | MG-SATE-50        | 07/29/02         |
| 1,1,1-Trichloroethane      | EPA-8260      | 2600          | ug/l         | MG-SATE-50        | 07/29/02         |
| 1,1,2-Trichloroethane      | EPA-8260      | <5            | ug/l         | MG-SATE-50        | 07/29/02         |
| Trichloroethene            | EPA-8260      | 660           | ug/l         | MG-SATE-50        | 07/29/02         |
| Vinyl Chloride             | EPA-8260      | <10           | ug/l         | MG-SATE-50        | 07/29/02         |
| m,p-Xylene                 | EPA-8260      | <5            | ug/l         | MG-SATE-50        | 07/29/02         |
| o-Xylene                   | EPA-8260      | <5            | ug/l         | MG-SATE-50        | 07/29/02         |



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CLIENT: Earth Tech, Inc.  
CLIENT'S SAMPLE ID: TW-1  
AES sample #: 020726AJ03

Date Sampled: 07/26/02  
Date sample received: 07/26/02  
Location: Now Corp.  
grab

Samples taken by: S. Gray  
MATRIX: Water

| <u>PARAMETER PERFORMED</u> | <u>METHOD</u> | <u>RESULT</u> | <u>UNITS</u> | <u>NOTES/REF</u> | <u>TEST DATE</u> |
|----------------------------|---------------|---------------|--------------|------------------|------------------|
| Benzene                    | EPA-8260      | <2.5          | ug/l         | MG-SATE-50       | 07/29/02         |
| Chlorobenzene              | EPA-8260      | <2.5          | ug/l         | MG-SATE-50       | 07/29/02         |
| Chloroethane               | EPA-8260      | <5            | ug/l         | MG-SATE-50       | 07/29/02         |
| 1,1-Dichloroethane         | EPA-8260      | 210           | ug/l         | MG-SATE-50       | 07/29/02         |
| 1,2-Dichloroethane         | EPA-8260      | <2.5          | ug/l         | MG-SATE-50       | 07/29/02         |
| cis-1,2-Dichloroethene     | EPA-8260      | 12            | ug/l         | MG-SATE-50       | 07/29/02         |
| trans-1,2-Dichloroethene   | EPA-8260      | <2.5          | ug/l         | MG-SATE-50       | 07/29/02         |
| 1,1-Dichloroethene         | EPA-8260      | 24            | ug/l         | MG-SATE-50       | 07/29/02         |
| Ethylbenzene               | EPA-8260      | <2.5          | ug/l         | MG-SATE-50       | 07/29/02         |
| Tetrachloroethene          | EPA-8260      | <2.5          | ug/l         | MG-SATE-50       | 07/29/02         |
| Toluene                    | EPA-8260      | <2.5          | ug/l         | MG-SATE-50       | 07/29/02         |
| 1,1,1-Trichloroethane      | EPA-8260      | 330           | ug/l         | MG-SATE-50       | 07/29/02         |
| 1,1,2-Trichloroethane      | EPA-8260      | <2.5          | ug/l         | MG-SATE-50       | 07/29/02         |
| Trichloroethene            | EPA-8260      | 150           | ug/l         | MG-SATE-50       | 07/29/02         |
| Vinyl Chloride             | EPA-8260      | <5            | ug/l         | MG-SATE-50       | 07/29/02         |
| m,p-Xylene                 | EPA-8260      | <2.5          | ug/l         | MG-SATE-50       | 07/29/02         |
| o-Xylene                   | EPA-8260      | <2.5          | ug/l         | MG-SATE-50       | 07/29/02         |



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CLIENT: Earth Tech, Inc.  
CLIENT'S SAMPLE ID: TW-2A  
AES sample #: 020726AJ04

Samples taken by: S. Gray  
MATRIX: Water

Date Sampled: 07/26/02  
Date sample received: 07/26/02  
Location: Now Corp.  
grab

| <u>PARAMETER PERFORMED</u> | <u>METHOD</u> | <u>RESULT</u> | <u>UNITS</u> | <u>NOTEBOOK REF</u> | <u>TEST DATE</u> |
|----------------------------|---------------|---------------|--------------|---------------------|------------------|
| Benzene                    | EPA-8260      | <2.5          | ug/l         | MG-SATE-50          | 07/29/02         |
| Chlorobenzene              | EPA-8260      | <2.5          | ug/l         | MG-SATE-50          | 07/29/02         |
| Chloroethane               | EPA-8260      | <5            | ug/l         | MG-SATE-50          | 07/29/02         |
| 1,1-Dichloroethane         | EPA-8260      | <2.5          | ug/l         | MG-SATE-50          | 07/29/02         |
| 1,2-Dichloroethane         | EPA-8260      | 550           | ug/l         | MG-SATE-50          | 07/29/02         |
| cis-1,2-Dichloroethene     | EPA-8260      | 33            | ug/l         | MG-SATE-50          | 07/29/02         |
| trans-1,2-Dichloroethene   | EPA-8260      | <2.5          | ug/l         | MG-SATE-50          | 07/29/02         |
| 1,1-Dichloroethene         | EPA-8260      | 52            | ug/l         | MG-SATE-50          | 07/29/02         |
| Ethylbenzene               | EPA-8260      | <2.5          | ug/l         | MG-SATE-50          | 07/29/02         |
| Tetrachloroethene          | EPA-8260      | <2.5          | ug/l         | MG-SATE-50          | 07/29/02         |
| Toluene                    | EPA-8260      | <2.5          | ug/l         | MG-SATE-50          | 07/29/02         |
| 1,1,1-Trichloroethane      | EPA-8260      | 4000          | ug/l         | MG-SATE-50          | 07/29/02         |
| 1,1,2-Trichloroethane      | EPA-8260      | <2.5          | ug/l         | MG-SATE-50          | 07/29/02         |
| Trichloroethene            | EPA-8260      | 960           | ug/l         | MG-SATE-50          | 07/29/02         |
| Vinyl Chloride             | EPA-8260      | <5            | ug/l         | MG-SATE-50          | 07/29/02         |
| m,p-Xylene                 | EPA-8260      | <2.5          | ug/l         | MG-SATE-50          | 07/29/02         |
| o-Xylene                   | EPA-8260      | <2.5          | ug/l         | MG-SATE-50          | 07/29/02         |





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CLIENT: Earth Tech, Inc.  
CLIENT'S SAMPLE ID: TW-3  
AES sample #: 020726AJ05

Date Sampled: 07/26/02  
Date sample received: 07/26/02  
Location: Now Corp.  
grab  
Samples taken by: S. Gray  
MATRIX: Water

| <u>PARAMETER PERFORMED</u> | <u>METHOD</u> | <u>RESULT</u> | <u>UNITS</u> | <u>NOTEBOOK REF</u> | <u>TEST DATE</u> |
|----------------------------|---------------|---------------|--------------|---------------------|------------------|
| Benzene                    | EPA-8260      | <2.5          | ug/l         | MG-SATE-50          | 07/29/02         |
| Chlorobenzene              | EPA-8260      | <2.5          | ug/l         | MG-SATE-50          | 07/29/02         |
| Chloroethane               | EPA-8260      | <5            | ug/l         | MG-SATE-50          | 07/29/02         |
| 1,1-Dichloroethane         | EPA-8260      | 50            | ug/l         | MG-SATE-50          | 07/29/02         |
| 1,2-Dichloroethane         | EPA-8260      | <2.5          | ug/l         | MG-SATE-50          | 07/29/02         |
| cis-1,2-Dichloroethene     | EPA-8260      | <2.5          | ug/l         | MG-SATE-50          | 07/29/02         |
| trans-1,2-Dichloroethene   | EPA-8260      | <2.5          | ug/l         | MG-SATE-50          | 07/29/02         |
| 1,1-Dichloroethene         | EPA-8260      | 5.1           | ug/l         | MG-SATE-50          | 07/29/02         |
| Ethylbenzene               | EPA-8260      | <2.5          | ug/l         | MG-SATE-50          | 07/29/02         |
| Tetrachloroethene          | EPA-8260      | <2.5          | ug/l         | MG-SATE-50          | 07/29/02         |
| Toluene                    | EPA-8260      | <2.5          | ug/l         | MG-SATE-50          | 07/29/02         |
| 1,1,1-Trichloroethane      | EPA-8260      | 32            | ug/l         | MG-SATE-50          | 07/29/02         |
| 1,1,2-Trichloroethane      | EPA-8260      | <2.5          | ug/l         | MG-SATE-50          | 07/29/02         |
| Trichloroethene            | EPA-8260      | 22            | ug/l         | MG-SATE-50          | 07/29/02         |
| Vinyl Chloride             | EPA-8260      | <2.5          | ug/l         | MG-SATE-50          | 07/29/02         |
| m,p-Xylene                 | EPA-8260      | <2.5          | ug/l         | MG-SATE-50          | 07/29/02         |
| o-Xylene                   | EPA-8260      | <2.5          | ug/l         | MG-SATE-50          | 07/29/02         |



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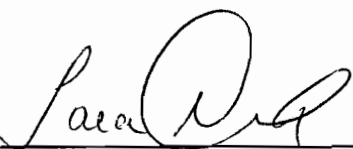
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CLIENT: Earth Tech, Inc.  
CLIENT'S SAMPLE ID: Trip Blank  
AES sample #: 020726AJ06

Samples taken by: S. Gray  
MATRIX: Water

Date Sampled: 07/26/02  
Date sample received: 07/26/02  
Location: Now Corp.  
grab

| <u>PARAMETER PERFORMED</u> | <u>METHOD</u> | <u>RESULT</u> | <u>UNITS</u> | <u>NOTEBOOK REF</u> | <u>TEST DATE</u> |
|----------------------------|---------------|---------------|--------------|---------------------|------------------|
| Benzene                    | EPA-8260      | <0.5          | ug/l         | MG-SATE-50          | 07/29/02         |
| Chlorobenzene              | EPA-8260      | <0.5          | ug/l         | MG-SATE-50          | 07/29/02         |
| Chloroethane               | EPA-8260      | <0.5          | ug/l         | MG-SATE-50          | 07/29/02         |
| 1,1-Dichloroethane         | EPA-8260      | <0.5          | ug/l         | MG-SATE-50          | 07/29/02         |
| 1,2-Dichloroethane         | EPA-8260      | <0.5          | ug/l         | MG-SATE-50          | 07/29/02         |
| cis-1,2-Dichloroethene     | EPA-8260      | <0.5          | ug/l         | MG-SATE-50          | 07/29/02         |
| trans-1,2-Dichloroethene   | EPA-8260      | <0.5          | ug/l         | MG-SATE-50          | 07/29/02         |
| 1,1-Dichloroethene         | EPA-8260      | <0.5          | ug/l         | MG-SATE-50          | 07/29/02         |
| Ethylbenzene               | EPA-8260      | <0.5          | ug/l         | MG-SATE-50          | 07/29/02         |
| Tetrachloroethene          | EPA-8260      | <0.5          | ug/l         | MG-SATE-50          | 07/29/02         |
| Toluene                    | EPA-8260      | <0.5          | ug/l         | MG-SATE-50          | 07/29/02         |
| 1,1,1-Trichloroethane      | EPA-8260      | <0.5          | ug/l         | MG-SATE-50          | 07/29/02         |
| 1,1,2-Trichloroethane      | EPA-8260      | <0.5          | ug/l         | MG-SATE-50          | 07/29/02         |
| Trichloroethene            | EPA-8260      | <0.5          | ug/l         | MG-SATE-50          | 07/29/02         |
| Vinyl Chloride             | EPA-8260      | <0.5          | ug/l         | MG-SATE-50          | 07/29/02         |
| m,p-Xylene                 | EPA-8260      | <0.5          | ug/l         | MG-SATE-50          | 07/29/02         |
| o-Xylene                   | EPA-8260      | <0.5          | ug/l         | MG-SATE-50          | 07/29/02         |

APPROVED BY:   
Report date: 08/09/02

020726 AS

| Project Number<br>55849.01                                                                        |      | Project Name/Client<br>EARTH TECH<br>NOW CORP. |       | Custody Seal #                                           |              | Earth Tech Cooler #                                                                                      |                  |
|---------------------------------------------------------------------------------------------------|------|------------------------------------------------|-------|----------------------------------------------------------|--------------|----------------------------------------------------------------------------------------------------------|------------------|
| Sample Custodian: (Signature)<br><i>Steve</i>                                                     |      | Sample Description<br>(Field ID Number)        |       | Analysis Required                                        |              | Matrix                                                                                                   |                  |
| Item No.                                                                                          | Date | Time                                           | Grab  | PID Reading (ppm)                                        | Label Number | Sample Type                                                                                              | Sample Container |
| 1                                                                                                 | 7/02 | 7:26                                           | 10:30 | X                                                        | EPA 8860     | GC                                                                                                       | 7W 06 2          |
| 2                                                                                                 |      | 10:40                                          | X     |                                                          |              | X                                                                                                        | 1                |
| 3                                                                                                 |      | 10:35                                          |       |                                                          |              |                                                                                                          | 1                |
| 4                                                                                                 |      | 10:50                                          |       |                                                          |              |                                                                                                          | 1                |
| 5                                                                                                 |      | 10:45                                          |       |                                                          |              |                                                                                                          | 1                |
| 6                                                                                                 | 7/02 | 11:00                                          |       | X                                                        |              |                                                                                                          | 2                |
| 7                                                                                                 |      | 11:10                                          |       |                                                          |              |                                                                                                          | 1                |
| 8                                                                                                 |      | 11:05                                          |       |                                                          |              |                                                                                                          | 1                |
| 9                                                                                                 |      | 11:20                                          |       |                                                          |              |                                                                                                          | 1                |
| 10                                                                                                |      | 11:15                                          |       |                                                          |              |                                                                                                          | 1                |
| 11                                                                                                |      | 11:30                                          |       |                                                          |              |                                                                                                          | 2                |
| 12                                                                                                |      | 11:35                                          |       |                                                          |              |                                                                                                          | 2                |
| 13                                                                                                |      | 11:40                                          |       |                                                          |              |                                                                                                          | 2                |
| 14                                                                                                |      |                                                |       |                                                          |              |                                                                                                          | 1                |
| 15                                                                                                |      |                                                |       |                                                          |              |                                                                                                          |                  |
| 16                                                                                                |      |                                                |       |                                                          |              |                                                                                                          |                  |
| 17                                                                                                |      |                                                |       |                                                          |              |                                                                                                          |                  |
| 18                                                                                                |      |                                                |       |                                                          |              |                                                                                                          |                  |
| Relinquished by: (Signature)<br><i>Steve</i>                                                      |      |                                                |       | Received by: (Signature)<br><i>Patricia L. Jorgensen</i> |              | Disposed of by: (Signature)                                                                              |                  |
| Relinquished by: (Signature)                                                                      |      |                                                |       | Received by: (Signature)                                 |              | Disposed of by: (Signature)                                                                              |                  |
| Send Lab Results To: KEITH DECKER<br>EARTH TECH<br>40 BRITISH AMERICAN BLVD<br>LATHAM, N.Y. 12110 |      |                                                |       | Remarks:<br><i>Patricia L. Jorgensen</i>                 |              | Laboratory Receiving Notes:<br>Custody Seal Intact?<br>Temp. of Shipping Container:<br>Sample Condition: |                  |

08/07/2002

Earth Tech  
ATTN: Keith Decker  
40 British American Blvd.  
Latham, NY 12110

Project Reference: NOW Corp.; 55849.01  
Lab Number: A2072901-01/08

Enclosed are results for sample(s) received 7/29/02 by Air Technology Laboratories.  
Analyses were performed according to specifications on the chain of custody provided  
with the sample(s).

Report Narrative:

Sample analyses were performed within method performance criteria.  
All results are reported without qualifications.

Results were faxed to Keith Decker on 8/06/02.

ATL appreciates the opportunity to provide testing services to your company. If you  
have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

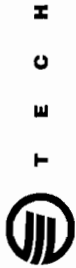


Mark Johnson  
Operations Manager  
mark@atlglobal.com

Enclosures

Note: The cover letter is an integral part of this analytical report.





E A R T H T E C H

A **tyco** INTERNATIONAL LTD. COMPANY

Chain of Custody Record

A2072901

| Project Number<br>55849 01                                                                          |                                         | Project Name/Client<br>EARTH TECH<br>NOW CORP.                                                                                                              |       | Custody Seal #                                                                                                                       |              | Earth Tech Cooler #                                                                                      |                  |
|-----------------------------------------------------------------------------------------------------|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------|--------------|----------------------------------------------------------------------------------------------------------|------------------|
| Sample Custodian: (Signature) <i>[Signature]</i>                                                    |                                         | Analysis Required<br>(ANALYTE LIST PER)<br>2/12/98 Bid Form                                                                                                 |       | Matrix                                                                                                                               |              | Sample Container                                                                                         |                  |
| Item No.                                                                                            | Sample Description<br>(Field ID Number) | Date                                                                                                                                                        | Time  | PID Reading<br>(ppm)                                                                                                                 | Label Number | Sample Type                                                                                              | Sample Container |
| 1                                                                                                   | TW - IVE 7/02                           | 7-26-02                                                                                                                                                     | 12:00 | N/A                                                                                                                                  | N/A          | AIR                                                                                                      |                  |
| 2                                                                                                   | VE - IVE 7/02                           | 7-26-02                                                                                                                                                     | 12:05 |                                                                                                                                      |              | X                                                                                                        |                  |
| 3                                                                                                   | VE - 2VE 7/02                           | 7-26-02                                                                                                                                                     | 12:10 |                                                                                                                                      |              |                                                                                                          |                  |
| 4                                                                                                   | TW - 2AVE 7/02                          | 7-26-02                                                                                                                                                     | 12:15 |                                                                                                                                      |              |                                                                                                          |                  |
| 5                                                                                                   | ST-1 7/02                               | 7-26-02                                                                                                                                                     | 12:20 |                                                                                                                                      |              |                                                                                                          |                  |
| 6                                                                                                   | PAS 7/02                                | 7-26-02                                                                                                                                                     | 12:25 |                                                                                                                                      |              |                                                                                                          |                  |
| 7                                                                                                   | SUE-EXH. 7/02                           | 7-26-02                                                                                                                                                     | 12:30 |                                                                                                                                      |              |                                                                                                          |                  |
| 8                                                                                                   | ST-4 7/02                               | 7-26-02                                                                                                                                                     | 12:35 |                                                                                                                                      |              |                                                                                                          |                  |
| 9                                                                                                   |                                         |                                                                                                                                                             |       |                                                                                                                                      |              |                                                                                                          |                  |
| 10                                                                                                  |                                         |                                                                                                                                                             |       |                                                                                                                                      |              |                                                                                                          |                  |
| 11                                                                                                  |                                         |                                                                                                                                                             |       |                                                                                                                                      |              |                                                                                                          |                  |
| 12                                                                                                  |                                         |                                                                                                                                                             |       |                                                                                                                                      |              |                                                                                                          |                  |
| 13                                                                                                  |                                         |                                                                                                                                                             |       |                                                                                                                                      |              |                                                                                                          |                  |
| 14                                                                                                  |                                         |                                                                                                                                                             |       |                                                                                                                                      |              |                                                                                                          |                  |
| 15                                                                                                  |                                         |                                                                                                                                                             |       |                                                                                                                                      |              |                                                                                                          |                  |
| 16                                                                                                  |                                         |                                                                                                                                                             |       |                                                                                                                                      |              |                                                                                                          |                  |
| 17                                                                                                  |                                         |                                                                                                                                                             |       |                                                                                                                                      |              |                                                                                                          |                  |
| 18                                                                                                  |                                         |                                                                                                                                                             |       |                                                                                                                                      |              |                                                                                                          |                  |
| Relinquished by: (Signature) <i>[Signature]</i>                                                     |                                         | Date / Time<br>7-26-02 1:00                                                                                                                                 |       | Received by: (Signature)                                                                                                             |              | Disposed of by: (Signature)                                                                              |                  |
| Relinquished by: (Signature) <i>[Signature]</i>                                                     |                                         | Date / Time<br>7-29-01 8:50                                                                                                                                 |       | Received by: (Signature)                                                                                                             |              | Disposed of by: (Signature)                                                                              |                  |
| Send Lab Results To: KEITH DECKER<br>EARTH TECH.<br>40 BRITISH AMERICAN BLVD.<br>LATHAM, N.Y. 12110 |                                         | Remarks: TAT: 10 BUSINESS DAYS<br>SEND ENOUGH BAGS BACK WITH<br>COOLER FOR NEXT SAMP.<br>Federal Express Airbill No.: 410 ROGER GRAY<br>Lab: 8323 8496 0123 |       | Check Delivery Method:<br><input type="checkbox"/> Samples delivered in person<br><input checked="" type="checkbox"/> Common carrier |              | Laboratory Receiving Notes:<br>Custody Seal Intact?<br>Temp. of Shipping Container:<br>Sample Condition: |                  |

White Copy - Lab

Yellow Copy - File

Pink Copy - Client

Client: EarthTech  
Attn: Keith Decker

Page1 of 1

Client's Project: NOW CORP., 55849.01  
Date Received: 07/29/02  
Matrix: Air  
Units: ppbv

EPA Method TO14

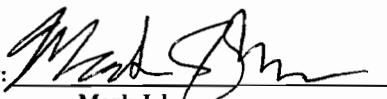
| Lab No:               |     | A2072901-01 |     | A2072901-02 |     | A2072901-03 |     | A2072901-04  |     | A2072901-05 |     |
|-----------------------|-----|-------------|-----|-------------|-----|-------------|-----|--------------|-----|-------------|-----|
| Client Sample I.D.:   |     | TW-1VE 7/02 |     | VE-1VE 7/02 |     | VE-2VE 7/02 |     | TW-2AVE 7/02 |     | ST-1 7/02   |     |
| Date Sampled:         |     | 07/26/02    |     | 07/26/02    |     | 07/26/02    |     | 07/26/02     |     | 07/26/02    |     |
| Date Analyzed:        |     | 07/29/02    |     | 07/29/02    |     | 07/29/02    |     | 07/29/02     |     | 07/29/02    |     |
| QC Batch No:          |     | 020729MS2A1 |     | 020729MS2A1 |     | 020729MS2A1 |     | 020729MS2A1  |     | 020729MS2A1 |     |
| Analyst Initials:     |     | SC          |     | SC          |     | SC          |     | SC           |     | SC          |     |
| Dilution Factor:      |     | 2.0         |     | 2.0         |     | 2.0         |     | 2.0          |     | 2.0         |     |
| ANALYTE               | MDL | Result      | RL  | Result      | RL  | Result      | RL  | Result       | RL  | Result      | RL  |
| Vinyl Chloride        | 1.0 | ND          | 2.0 | ND          | 2.0 | ND          | 2.0 | ND           | 2.0 | ND          | 2.0 |
| Chloroethane          | 1.0 | ND          | 2.0 | ND          | 2.0 | ND          | 2.0 | ND           | 2.0 | ND          | 2.0 |
| 1,1-Dichloroethene    | 1.0 | 21          | 2.0 | 11          | 2.0 | 8.6         | 2.0 | 9.2          | 2.0 | 8.0         | 2.0 |
| 1,1-Dichloroethane    | 1.0 | 44          | 2.0 | 41          | 2.0 | 34          | 2.0 | 38           | 2.0 | 33          | 2.0 |
| c-1,2-Dichloroethene  | 1.0 | 18          | 2.0 | 17          | 2.0 | 14          | 2.0 | 15           | 2.0 | 13          | 2.0 |
| 1,1,1-Trichloroethane | 1.0 | 396         | 2.0 | 351         | 2.0 | 284         | 2.0 | 317          | 2.0 | 282         | 2.0 |
| Benzene               | 1.0 | ND          | 2.0 | ND          | 2.0 | ND          | 2.0 | 2.2          | 2.0 | ND          | 2.0 |
| 1,2-Dichloroethane    | 1.0 | ND          | 2.0 | ND          | 2.0 | ND          | 2.0 | ND           | 2.0 | ND          | 2.0 |
| Trichloroethene       | 1.0 | 397         | 2.0 | 352         | 2.0 | 312         | 2.0 | 339          | 2.0 | 322         | 2.0 |
| Toluene               | 1.0 | 14          | 2.0 | 7.8         | 2.0 | 6.1         | 2.0 | 41           | 2.0 | 35          | 2.0 |
| 1,1,2-Trichloroethane | 1.0 | ND          | 2.0 | ND          | 2.0 | ND          | 2.0 | ND           | 2.0 | ND          | 2.0 |
| Tetrachloroethene     | 1.0 | ND          | 2.0 | ND          | 2.0 | ND          | 2.0 | ND           | 2.0 | ND          | 2.0 |
| Chlorobenzene         | 1.0 | ND          | 2.0 | ND          | 2.0 | ND          | 2.0 | ND           | 2.0 | ND          | 2.0 |
| Ethylbenzene          | 1.0 | 7.8         | 2.0 | 3.6         | 2.0 | 3.5         | 2.0 | 20           | 2.0 | 12          | 2.0 |
| p,&m-Xylene           | 1.0 | 29          | 2.0 | 14          | 2.0 | 14          | 2.0 | 165          | 2.0 | 75          | 2.0 |
| o-Xylene              | 1.0 | 12          | 2.0 | 5.5         | 2.0 | 5.5         | 2.0 | 76           | 2.0 | 33          | 2.0 |
|                       |     |             |     |             |     |             |     |              |     |             |     |

MDL = Method Detection Limit

ND = Not Detected (below RL)

RL = MDL X Dilution Factor

Reviewed/Approved By:



Mark Johnson

Air Toxics Operations Manager

Date

8-6-02

The cover letter is an integral part of this analytical report



Client: EarthTech  
Attn: Keith Decker

Page1 of 1

Client's Project: NOW CORP., 55849.01  
Date Received: 07/29/02  
Matrix: Air  
Units: ppbv

EPA Method TO14

|                       |             |              |             |        |     |
|-----------------------|-------------|--------------|-------------|--------|-----|
| Lab No:               | A2072901-06 | A2072901-07  | A2072901-08 |        |     |
| Client Sample I.D.:   | PAS 7/02    | SVE-EXH 7/02 | ST-4 7/02   |        |     |
| Date Sampled:         | 07/26/02    | 07/26/02     | 07/26/02    |        |     |
| Date Analyzed:        | 07/29/02    | 07/29/02     | 07/29/02    |        |     |
| QC Batch No:          | 020729MS2A1 | 020729MS2A1  | 020729MS2A1 |        |     |
| Analyst Initials:     | SC          | SC           | SC          |        |     |
| Dilution Factor:      | 10          | 4.0          | 1.0         |        |     |
| ANALYTE               | MDL         | Result       | RL          | Result | RL  |
| Vinyl Chloride        | 1.0         | ND           | 10.0        | ND     | 4.0 |
| Chloroethane          | 1.0         | ND           | 10.0        | ND     | 4.0 |
| 1,1-Dichloroethene    | 1.0         | 28           | 10.0        | ND     | 4.0 |
| 1,1-Dichloroethane    | 1.0         | 363          | 10.0        | 10     | 4.0 |
| c-1,2-Dichloroethene  | 1.0         | 15           | 10.0        | 23     | 4.0 |
| 1,1,1-Trichloroethane | 1.0         | 1,510        | 10.0        | 611    | 4.0 |
| Benzene               | 1.0         | ND           | 10.0        | 6.4    | 4.0 |
| 1,2-Dichloroethane    | 1.0         | ND           | 10.0        | ND     | 4.0 |
| Trichloroethene       | 1.0         | 480          | 10.0        | 17     | 4.0 |
| Toluene               | 1.0         | 23           | 10.0        | 50     | 4.0 |
| 1,1,2-Trichloroethane | 1.0         | ND           | 10.0        | ND     | 4.0 |
| Tetrachloroethene     | 1.0         | ND           | 10.0        | ND     | 4.0 |
| Chlorobenzene         | 1.0         | ND           | 10.0        | ND     | 4.0 |
| Ethylbenzene          | 1.0         | 14           | 10.0        | 28     | 4.0 |
| p,&m-Xylene           | 1.0         | 106          | 10.0        | 450    | 4.0 |
| o-Xylene              | 1.0         | 50           | 10.0        | 198    | 4.0 |

MDL = Method Detection Limit

ND = Not Detected (below RL)

RL = MDL X Dilution Factor

Reviewed/Approved By:



Mark Johnson

Air Toxics Operations Manager

Date

8-6-02

The cover letter is an integral part of this analytical report



## LCS/LCSD Recovery and RPD Summary Report

QC Batch #: 020729MS2A1

Matrix: Air

## EPA Method TO-14/TO-15

| Lab No:                   | Method Blank   |                 | LCS            |       | LCSD           |       |        |             |              |             |               |
|---------------------------|----------------|-----------------|----------------|-------|----------------|-------|--------|-------------|--------------|-------------|---------------|
| Date Analyzed:            | 07/29/02       |                 | 07/29/02       |       | 07/29/02       |       |        |             |              |             |               |
| Data File ID:             | 29JUL006.D     |                 | 29JUL003.D     |       | 29JUL005.D     |       |        |             |              |             |               |
| Analyst Initials:         | SC             |                 | SC             |       | SC             |       |        |             |              |             |               |
| Dilution Factor:          | 1.0            |                 | 1.0            |       | 1.0            |       |        |             |              |             |               |
|                           |                |                 |                |       |                |       | Limits |             |              |             |               |
| ANALYTE                   | Result<br>ppbv | Spike<br>Amount | Result<br>ppbv | % Rec | Result<br>ppbv | % Rec | RPD    | Low<br>%Rec | High<br>%Rec | Max.<br>RPD | Pass/<br>Fail |
| 1,1-Dichloroethene        | 0.0            | 10.0            | 8.8            | 88    | 8.8            | 88    | 0.2    | 70          | 130          | 30          | Pass          |
| Methylene Chloride        | 0.0            | 10.0            | 9.1            | 91    | 8.9            | 89    | 2.8    | 70          | 130          | 30          | Pass          |
| Trichloroethene           | 0.0            | 10.0            | 9.5            | 95    | 9.1            | 91    | 4.5    | 70          | 130          | 30          | Pass          |
| Toluene                   | 0.0            | 10.0            | 8.5            | 85    | 8.6            | 86    | 1.4    | 70          | 130          | 30          | Pass          |
| 1,1,2,2-Tetrachloroethane | 0.0            | 10.0            | 9.3            | 93    | 9.4            | 94    | 0.6    | 70          | 130          | 30          | Pass          |
|                           |                |                 |                |       |                |       |        |             |              |             |               |

RPD = Relative Percent Difference

Reviewed/Approved By:



Mark Johnson

Air Toxics Operations Manager

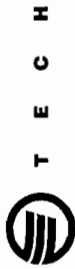
Date:

8-6-02

The cover letter is an integral part of this analytical report







EARTHTECH

A tyco INTERNATIONAL LTD. COMPANY

| Project Number                |            | Project Name/Client                  |          | Earth Tech Cooler # |  | Custody Seal # |  | Analysis Required |  | Matrix       |  | Sample Container                                                      |  |
|-------------------------------|------------|--------------------------------------|----------|---------------------|--|----------------|--|-------------------|--|--------------|--|-----------------------------------------------------------------------|--|
| 55849.01                      |            | NOW CORP.                            |          |                     |  |                |  |                   |  |              |  |                                                                       |  |
| Sample Custodian: (Signature) |            | Sample Description (Field ID Number) |          | Date                |  | Time           |  | PID Reading (ppm) |  | Label Number |  | METALS: ZN<br>AL, AS, P, AG, NI, Hg, Pb, Cu, Fe, Mn, TSS, TOC, DYNIDE |  |
| 1                             | FFF        | 10/10/02                             | 10/10/02 | 12:10               |  |                |  |                   |  |              |  |                                                                       |  |
| 2                             |            | 10/10/02                             | 10/10/02 | 12:10               |  |                |  |                   |  |              |  |                                                                       |  |
| 3                             |            |                                      |          | 12:10               |  |                |  |                   |  |              |  |                                                                       |  |
| 4                             |            |                                      |          | 12:10               |  |                |  |                   |  |              |  |                                                                       |  |
| 5                             |            |                                      |          | 12:10               |  |                |  |                   |  |              |  |                                                                       |  |
| 6                             | IAUF       | 10/10/02                             |          | 12:10               |  |                |  |                   |  |              |  |                                                                       |  |
| 7                             |            |                                      |          | 12:10               |  |                |  |                   |  |              |  |                                                                       |  |
| 8                             |            |                                      |          | 12:10               |  |                |  |                   |  |              |  |                                                                       |  |
| 9                             |            |                                      |          | 12:10               |  |                |  |                   |  |              |  |                                                                       |  |
| 10                            |            |                                      |          | 12:10               |  |                |  |                   |  |              |  |                                                                       |  |
| 11                            | TW-1       |                                      |          | 12:10               |  |                |  |                   |  |              |  |                                                                       |  |
| 12                            | TW-2A      |                                      |          | 12:10               |  |                |  |                   |  |              |  |                                                                       |  |
| 13                            | TW-3       |                                      |          | 12:10               |  |                |  |                   |  |              |  |                                                                       |  |
| 14                            | TRIP BLANK |                                      |          | 12:10               |  |                |  |                   |  |              |  |                                                                       |  |
| 15                            |            |                                      |          |                     |  |                |  |                   |  |              |  |                                                                       |  |
| 16                            |            |                                      |          |                     |  |                |  |                   |  |              |  |                                                                       |  |
| 17                            |            |                                      |          |                     |  |                |  |                   |  |              |  |                                                                       |  |
| 18                            |            |                                      |          |                     |  |                |  |                   |  |              |  |                                                                       |  |

|                              |               |                          |                          |                             |                             |        |             |
|------------------------------|---------------|--------------------------|--------------------------|-----------------------------|-----------------------------|--------|-------------|
| Relinquished by: (Signature) | Date / Time   | Received by: (Signature) | Received by: (Signature) | Disposed of by: (Signature) | Disposed of by: (Signature) | Items: | Date / Time |
| <i>Keith Decker</i>          | 10/10/02 0:30 | <i>Keith Decker</i>      | <i>Keith Decker</i>      |                             |                             |        |             |
| Relinquished by: (Signature) | Date / Time   | Received by: (Signature) | Received by: (Signature) | Disposed of by: (Signature) | Disposed of by: (Signature) | Items: | Date / Time |
| <i>Keith Decker</i>          | 10/10/02 0:30 | <i>Keith Decker</i>      | <i>Keith Decker</i>      |                             |                             |        |             |

|                                                                               |          |                                                                                                 |                                                                           |
|-------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| Send Lab Results To:                                                          | Remarks: | Check Delivery Method:                                                                          | Laboratory Receiving Notes:                                               |
| KEITH DECKER<br>EARTH TECH<br>40 BRITISH AMERICAN BLVD.<br>LATHAM, N.Y. 12110 |          | <input type="checkbox"/> Samples delivered in person<br><input type="checkbox"/> Common carrier | Custody Seal Intact?<br>Temp. of Shipping Container:<br>Sample Condition: |

RECEIVED

NYS DEC  
REGION 3 NEW YORK

# **Operation, Maintenance and Monitoring Report October 2002**

**NOW Corporation Site  
Site 3-14-008**

**Work Assignment No.  
D003821-29**

Prepared for:



**SUPERFUND STANDBY PROGRAM  
New York State  
Department of Environmental Conservation  
625 Broadway  
Albany, New York 12233**

Prepared by:

**Earth Tech of New York, Inc.  
40 British American Boulevard  
Latham, New York 12110**

January 7, 2003

Mr. Saiban Mahamooth  
NYSDEC Region 3  
21 South Putt Corners Road  
New Paltz, New York 12561

Re: NOW Corporation - Site #3-14-008  
Monthly Summary Report – October 2002

Dear Mr. Mahamooth:

Earth Tech is pleased to provide you with a monthly summary report for the operation, monitoring and maintenance of the groundwater treatment system at the NOW Corporation site in the Town of Clinton, New York.

Telephone

518.951.2200

Facsimile

518.951.2300

This report covers the operation, maintenance and monitoring of the vapor extraction system and the groundwater pump and treatment system for the month of October 2002. In summary, approximately 136,400 gallons of water were treated during the reporting period.

Discharge from the treatment system averaged approximately 17,050 gallons per day. Approximately 99 percent of the treated effluent was discharged to Crum Elbow Creek and 1 percent was injected, via well IW-1 into the bedrock aquifer. These readings may not be accurate, due to the fact it is uncommon for these injection wells to accept more of the flow.

Table 1 summarizes influent and effluent data for samples collected on October 3, 2002. All of the effluent treatment requirements were met. A copy of the laboratory report is attached.

Earth Tech made four site visits to conduct the required monthly maintenance and sampling. Table 2 summarizes the operation and maintenance data. Table 3 summarizes monitoring well water level data. No air monitoring was taken due to the system being resealed. Copies of the laboratory reports are attached.

Earth Tech personnel performed the following maintenance items in addition to routine monitoring of system temperatures, pressures, flow measurements, and monitoring well water levels, etc.:

- Back flushed sand filter (twice).
- Changed oil in vapor blower motor
- Oiled motors on heat exchanger fans.



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Page 2

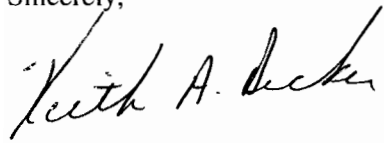
Mr. Saiban Mahamooth  
Now Corp

- Sealed vapor extraction wells.

As of October 3, 2002, a total of 25,806,600 gallons of groundwater were recovered and treated by the system.

Please feel free to contact me at (518) 951-2229 should you have any questions regarding the operation of the treatment system.

Sincerely,

A handwritten signature in black ink, reading "Keith A. Decker". The signature is written in a cursive, flowing style.

Keith A. Decker  
Project Manager

Attachments

L:\work\55849\docs\10-02report.doc

**Table 1**  
**Summary of October Influent and Effluent Data**

**NOW Corporation Site**  
**Town of Clinton, New York**

| Effluent<br>Parameters   | Influent    | Effluent     | TW-1       | TW-2A       | TW-3      | Treatment<br>Requirements |                |
|--------------------------|-------------|--------------|------------|-------------|-----------|---------------------------|----------------|
|                          |             |              |            |             |           | (units)                   |                |
| Flow                     |             |              |            |             |           | Monitor                   | gpd            |
| pH                       | 6.5         | 6.8          |            |             |           | 6.5 to 8.5                | standard units |
| Vinyl Chloride           | <10         | <0.5         | <10        | <100        | <10       |                           | ug/L           |
| Chloroethane             | <10         | <0.5         | <10        | <100        | <10       |                           | ug/L           |
| 1,1-Dichloroethene       | <b>37</b>   | <0.5         | <b>19</b>  | <b>49</b>   | <5        |                           | ug/L           |
| trans-1,2-Dichloroethene | <5          | <0.5         | <5         | <50         | <5        |                           | ug/L           |
| 1,1-Dichloroethane       | <b>470</b>  | <0.5         | <b>220</b> | <b>650</b>  | <b>55</b> |                           | ug/L           |
| cis-1,2-Dichloroethene   | <b>18</b>   | <0.5         | <b>6</b>   | <b>25</b>   | <5        |                           | ug/L           |
| 1,1,1-Trichloroethane    | <b>2900</b> | <0.5         | <b>330</b> | <b>4500</b> | <b>66</b> |                           | ug/L           |
| Benzene                  | <5          | <0.5         | <5         | <50         | <5        |                           | ug/L           |
| 1,2-Dichloroethane       | <5          | <0.5         | <5         | <50         | <5        |                           | ug/L           |
| Trichloroethene          | <b>740</b>  | <0.5         | <b>120</b> | <b>1100</b> | <b>16</b> |                           | ug/L           |
| Toluene                  | <5          | <0.5         | <5         | <50         | <5        |                           | ug/L           |
| 1,1,2-Trichloroethane    | <5          | <0.5         | <5         | <50         | <5        |                           | ug/L           |
| Tetrachloroethene        | <5          | <0.5         | <5         | <50         | <5        |                           | ug/L           |
| Chlorobenzene            | <5          | <0.5         | <5         | <50         | <5        |                           | ug/L           |
| Ethylbenzene             | <5          | <0.5         | <5         | <50         | <5        |                           | ug/L           |
| 1,2- and 1,4-Xylenes     | <5          | <0.5         | <5         | <50         | <5        |                           | ug/L           |
| 1,3-Xylene               | <5          | <0.5         | <5         | <50         | <5        |                           | ug/L           |
| Aluminum, Total          | <0.1        | <0.1         |            |             |           |                           | ug/L           |
| Arsenic, Total           | <0.005      | <0.005       |            |             |           |                           | ug/L           |
| Barium, Total            | <b>0.09</b> | <b>0.09</b>  |            |             |           |                           | ug/L           |
| Chromium                 | <0.005      | <b>0.006</b> |            |             |           |                           | ug/L           |
| Copper                   | <0.005      | <0.005       |            |             |           |                           | ug/L           |
| Iron                     | <0.05       | <0.05        |            |             |           |                           | ug/L           |
| Manganese                | <b>0.14</b> | <0.02        |            |             |           |                           | ug/L           |
| Mercury                  | <0.0004     | <0.0004      |            |             |           |                           | ug/L           |
| Nickel                   | <0.05       | <0.02        |            |             |           |                           | ug/L           |
| Zinc                     | <0.01       | <0.01        |            |             |           |                           | ug/L           |
| Oil and Grease           | <1.0        | <1.0         |            |             |           |                           | mg/L           |
| Cyanide                  | <0.01       | <0.01        |            |             |           |                           | ug/L           |
| TDS                      | <b>338</b>  | <b>342</b>   |            |             |           |                           | mg/L           |
| TSS                      | <1          | <1           |            |             |           |                           | mg/L           |

**Notes:**

- 1) Positive results are presented in **bold** typeface.
- 2) ND indicates Not Detected at or above the laboratory reporting limit.
- 3) NA indicates Not Applicable.
- 4) "J" indicates an estimated concentration below the method detection limit.
- 5) Boxed in **bold** denotes exceedance of treatment requirements.

**Table 2**  
**Summary of October 2002 O&M Data**

**NOW Corporation Site**  
**Town of Clinton, New York**

| <b>Instrumentation/Readings:</b>       |  | <b>10/3/02</b> | <b>units</b>            |
|----------------------------------------|--|----------------|-------------------------|
| <b><i>TW-1</i></b>                     |  |                |                         |
| Pumping Rate                           |  | 3              | GPM                     |
| Water Level Above Transducer           |  | 29.78          | feet                    |
| Flow Meter Reading                     |  | 9,110,400      | gallons                 |
| Pump Pressure                          |  | 72             | psi                     |
| <b><i>TW-2A</i></b>                    |  |                |                         |
| Pumping Rate                           |  | 9              | GPM                     |
| Water Level Above Transducer           |  | 19.1           | feet                    |
| Flow Meter Reading                     |  | 5,145,700      | gallons                 |
| Pump Pressure                          |  | 47             | psi                     |
| <b><i>TW-3</i></b>                     |  |                |                         |
| Pumping Rate                           |  | 2              | GPM                     |
| Water Level Above Transducer           |  | 25.3           | feet                    |
| Flow Meter Reading                     |  | 5,912,300      | gallons                 |
| Pump Pressure                          |  | 69             | psi                     |
| <b><i>Air Stripper</i></b>             |  |                |                         |
| Stripper Blower Pressure               |  | 18.5           | inches H <sub>2</sub> O |
| Air Temperature in Stripper            |  | 50             | °F                      |
| Pressure Gauge - Left Leg              |  | 1.1            | inches H <sub>2</sub> O |
| Pressure Gauge - Right Leg             |  | 0.8            | inches H <sub>2</sub> O |
| Pressure/Vacuum on the Stripper        |  |                | inches H <sub>2</sub> O |
| <b><i>Sand Filter</i></b>              |  |                |                         |
| Influent Pressure                      |  | 19             | psi                     |
| Effluent Pressure                      |  | 8              | psi                     |
| Differential Pressure Across Filter    |  | 11             | psi                     |
| <b><i>Effluent Flow</i></b>            |  |                |                         |
| Total System Meter Reading             |  | 25,806,600     | gallons                 |
| IW-1 Flow Meter Reading                |  | 1,304,355      | gallons                 |
| IW-2 Flow Meter Reading                |  | 1,748,748      | gallons                 |
| <b><i>Vapor Extraction System</i></b>  |  |                |                         |
| Vapor Blower Vacuum                    |  | 11.5           | inches Hg               |
| Vacuum before Filter with Dilution Air |  | 8.0            | inches Hg               |
| Vacuum on Knock-out Pot                |  | 11.5           | inches Hg               |
| Blower Inlet Temperature               |  | 62             | °F                      |
| Blower Outlet Temperature              |  | 150            | °F                      |
| Pressure After Blower                  |  | 50             | psi                     |
| Heat Exchanger Outlet Temperature      |  | 63             | °F                      |

*Note: N/A indicates Not Available.*

*NW - Not working*

**Table 3**  
**Summary of October 2002 Water Levels**

**NOW Corporation Site**  
**Town of Clinton, New York**

| Well ID | M.P.<br>Elevation | 10/3/02                       |              |
|---------|-------------------|-------------------------------|--------------|
|         |                   | Depth to Water<br>(ft b.m.p.) | GW Elevation |
| MW-1    | 289.50            | 17.71                         | 271.79       |
| MW-2    | 332.51            | 39.05                         | 293.46       |
| MW-3    | 312.83            | 32.93                         | 279.90       |
| MW-3S   | 312.51            | 30.16                         | 282.35       |
| MW-4    | 298.29            | 27.29                         | 271.00       |
| MW-4D   | 298.16            | 27.20                         | 270.96       |
| MW-5    | 285.48            | 20.81                         | 264.67       |
| MW-6S   | 287.90            | 22.77                         | 265.13       |
| MW-6D   | 287.25            | 15.57                         | 271.68       |
| MW-7S   | 292.12            | 31.53                         | 260.59       |
| MW-7D   | 292.54            | 75.64                         | 216.90       |
| MW-8    | 283.65            | N/A                           | #VALUE!      |
| MW-9    | 275.37            | N/A                           | #VALUE!      |
| MW-10   | 280.92            | N/A                           | N/A          |
| MW-11   | 283.72            | N/A                           | #VALUE!      |
| OW-1    | 307.75            | 55.16                         | 252.59       |
| OW-2    | 305.96            | 71.9                          | 234.06       |
| OW-3    | 307.35            | N/A                           | #VALUE!      |
| OW-4    | 308.30            | N/A                           | #VALUE!      |
| OW-5    | 307.41            | N/A                           | #VALUE!      |
| OW-6    | 294.81            | 7.87                          | 286.94       |
| IW-1    | 312.46            | 9.17                          | 303.29       |
| IW-2    | 306.56            | 7.49                          | 299.07       |
| TW-2    | 290.52            | N/A                           | #VALUE!      |

*Note: N/A indicates Not Available.*



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LABORATORY REPORT

for

Earth Tech, Inc.  
40 British American Blvd.  
Latham, NY 12110

Attention: Keith Decker

PJ:55849.01

Report date: 10/21/02  
Number of samples analyzed: 6  
AES Project ID: 021003BF  
Invoice #: 247757

ELAP ID#: 10709

AIHA ID#: 100307  
Page





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CLIENT: Earth Tech, Inc.  
CLIENT'S SAMPLE ID: EFF.  
AES sample #: 021003BF01

Date Sampled: 10/03/02  
Date sample received: 10/03/02  
Location: Now Corp.  
grab  
Samples taken by: R. Gray  
MATRIX: Water

| <u>PARAMETER PERFORMED</u> | <u>METHOD</u> | <u>RESULT</u> | <u>UNITS</u> | <u>NOTEBOOK REF</u> | <u>TEST DATE</u> |
|----------------------------|---------------|---------------|--------------|---------------------|------------------|
| Total Suspended Solids     | EPA-160.2     | <1            | mg/l         | JK-H-27             | 10/07/02         |
| Total Dissolved Solids     | SW-846        | 342           | mg/l         | LS-H-28             | 10/04/02         |
| Oil & Grease               | EPA-9070      | <1            | mg/l         | JK-F-48             | 10/15/02         |
| Cyanide, Total             | EPA-9012      | <0.01         | mg/l         | MC-K                | 10/17/02         |
| Zinc                       | EPA-6010      | <0.01         | mg/l         | KH-I-3I-40          | 10/16/02         |
| Aluminum                   | EPA-6010      | <0.1          | mg/l         | KH-I-3I-40          | 10/16/02         |
| Arsenic                    | EPA-6010      | <0.005        | mg/l         | KH-I-3I-40          | 10/16/02         |
| Barium                     | EPA-6010      | 0.09          | mg/l         | KH-I-3I-40          | 10/16/02         |
| Copper                     | EPA-6010      | <0.005        | mg/l         | KH-I-3I-40          | 10/16/02         |
| Chromium                   | EPA-6010      | 0.006         | mg/l         | KH-I-3I-40          | 10/16/02         |
| Iron                       | EPA-6010      | <0.05         | mg/l         | KH-I-3I-40          | 10/16/02         |
| Manganese                  | EPA-6010      | <0.02         | mg/l         | KH-I-3I-40          | 10/16/02         |
| Mercury                    | EPA-7471      | <0.0004       | mg/l         | KH-I-HG-99          | 10/07/02         |
| Nickel                     | EPA-6010      | <0.05         | mg/l         | KH-I-3I-40          | 10/16/02         |
| Benzene                    | EPA-8260      | <0.5          | ug/l         | MG-SAT-F-9          | 10/11/02         |
| Chlorobenzene              | EPA-8260      | <0.5          | ug/l         | MG-SAT-F-9          | 10/11/02         |
| Chloroethane               | EPA-8260      | <0.5          | ug/l         | MG-SAT-F-9          | 10/11/02         |
| 1,1-Dichloroethane         | EPA-8260      | <0.5          | ug/l         | MG-SAT-F-9          | 10/11/02         |
| 1,2-Dichloroethane         | EPA-8260      | <0.5          | ug/l         | MG-SAT-F-9          | 10/11/02         |
| cis-1,2-Dichloroethene     | EPA-8260      | <0.5          | ug/l         | MG-SAT-F-9          | 10/11/02         |



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CLIENT: Earth Tech, Inc.  
CLIENT'S SAMPLE ID: EFF.  
AES sample #: 021003BF01

Samples taken by: R. Gray  
MATRIX: Water

Date Sampled: 10/03/02  
Date sample received: 10/03/02  
Location: Now Corp.  
grab

continued:

| <u>PARAMETER PERFORMED</u> | <u>METHOD</u> | <u>RESULT</u> | <u>UNITS</u> | <u>NOTEBOOK REF</u> | <u>TEST DATE</u> |
|----------------------------|---------------|---------------|--------------|---------------------|------------------|
| trans-1,2-Dichloroethene   | EPA-8260      | <0.5          | ug/l         | MG-SAT-F-9          | 10/11/02         |
| 1,1-Dichloroethene         | EPA-8260      | <0.5          | ug/l         | MG-SAT-F-9          | 10/11/02         |
| Ethylbenzene               | EPA-8260      | <0.5          | ug/l         | MG-SAT-F-9          | 10/11/02         |
| Tetrachloroethene          | EPA-8260      | <0.5          | ug/l         | MG-SAT-F-9          | 10/11/02         |
| Toluene                    | EPA-8260      | <0.5          | ug/l         | MG-SAT-F-9          | 10/11/02         |
| 1,1,1-Trichloroethane      | EPA-8260      | <0.5          | ug/l         | MG-SAT-F-9          | 10/11/02         |
| 1,1,2-Trichloroethane      | EPA-8260      | <0.5          | ug/l         | MG-SAT-F-9          | 10/11/02         |
| Trichloroethene            | EPA-8260      | <0.5          | ug/l         | MG-SAT-F-9          | 10/11/02         |
| Vinyl Chloride             | EPA-8260      | <0.5          | ug/l         | MG-SAT-F-9          | 10/11/02         |
| m,p-Xylene                 | EPA-8260      | <0.5          | ug/l         | MG-SAT-F-9          | 10/11/02         |
| o-Xylene                   | EPA-8260      | <0.5          | ug/l         | MG-SAT-F-9          | 10/11/02         |



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CLIENT: Earth Tech, Inc.  
CLIENT'S SAMPLE ID: INF.  
AES sample #: 021003BF02

Date Sampled: 10/03/02  
Date sample received: 10/03/02  
Location: Now Corp.  
grab  
Samples taken by: R. Gray  
MATRIX: Water

| <u>PARAMETER PERFORMED</u> | <u>METHOD</u> | <u>RESULT</u> | <u>UNITS</u> | <u>NOTEBOOK REF</u> | <u>TEST DATE</u> |
|----------------------------|---------------|---------------|--------------|---------------------|------------------|
| Total Suspended Solids     | EPA-160.2     | <1            | mg/l         | JK-H-27             | 10/07/02         |
| Total Dissolved Solids     | SW-846        | 338           | mg/l         | LS-H-28             | 10/04/02         |
| Oil & Grease               | EPA-9070      | <1            | mg/l         | JK-F-48             | 10/15/02         |
| Cyanide, Total             | EPA-9012      | <0.01         | mg/l         | MC-K                | 10/17/02         |
| Zinc                       | EPA-6010      | <0.01         | mg/l         | KH-I-3I-40          | 10/16/02         |
| Aluminum                   | EPA-6010      | <0.1          | mg/l         | KH-I-3I-40          | 10/16/02         |
| Arsenic                    | EPA-6010      | <0.005        | mg/l         | KH-I-3I-40          | 10/16/02         |
| Barium                     | EPA-6010      | 0.09          | mg/l         | KH-I-3I-40          | 10/16/02         |
| Copper                     | EPA-6010      | <0.005        | mg/l         | KH-I-3I-40          | 10/16/02         |
| Chromium                   | EPA-6010      | <0.005        | mg/l         | KH-I-3I-40          | 10/16/02         |
| Iron                       | EPA-6010      | <0.05         | mg/l         | KH-I-3I-40          | 10/16/02         |
| Manganese                  | EPA-6010      | 0.14          | mg/l         | KH-I-3I-40          | 10/16/02         |
| Mercury                    | EPA-7471      | <0.0004       | mg/l         | KH-I-HG-99          | 10/07/02         |
| Nickel                     | EPA-6010      | <0.05         | mg/l         | KH-I-3I-40          | 10/16/02         |
| Benzene                    | EPA-8260      | <5            | ug/l         | MG-SAT-F-9          | 10/11/02         |
| Chlorobenzene              | EPA-8260      | <5            | ug/l         | MG-SAT-F-9          | 10/11/02         |
| Chloroethane               | EPA-8260      | <10           | ug/l         | MG-SAT-F-9          | 10/11/02         |
| 1,1-Dichloroethane         | EPA-8260      | 470           | ug/l         | MG-SAT-F-9          | 10/11/02         |
| 1,2-Dichloroethane         | EPA-8260      | <5            | ug/l         | MG-SAT-F-9          | 10/11/02         |
| cis-1,2-Dichloroethene     | EPA-8260      | 18            | ug/l         | MG-SAT-F-9          | 10/11/02         |



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CLIENT: Earth Tech, Inc.  
CLIENT'S SAMPLE ID: INF.  
AES sample #: 021003BF02

Samples taken by: R. Gray  
MATRIX: Water

Date Sampled: 10/03/02  
Date sample received: 10/03/02  
Location: Now Corp.  
grab

continued:

| <u>PARAMETER PERFORMED</u> | <u>METHOD</u> | <u>RESULT</u> | <u>UNITS</u> | <u>NOTEBOOK REF</u> | <u>TEST DATE</u> |
|----------------------------|---------------|---------------|--------------|---------------------|------------------|
| trans-1,2-Dichloroethene   | EPA-8260      | <5            | ug/l         | MG-SAT-F-9          | 10/11/02         |
| 1,1-Dichloroethene         | EPA-8260      | 37            | ug/l         | MG-SAT-F-9          | 10/11/02         |
| Ethylbenzene               | EPA-8260      | <5            | ug/l         | MG-SAT-F-9          | 10/11/02         |
| Tetrachloroethene          | EPA-8260      | <5            | ug/l         | MG-SAT-F-9          | 10/11/02         |
| Toluene                    | EPA-8260      | <5            | ug/l         | MG-SAT-F-9          | 10/11/02         |
| 1,1,1-Trichloroethane      | EPA-8260      | 2900          | ug/l         | MG-SAT-F-9          | 10/11/02         |
| 1,1,2-Trichloroethane      | EPA-8260      | <5            | ug/l         | MG-SAT-F-9          | 10/11/02         |
| Trichloroethene            | EPA-8260      | 740           | ug/l         | MG-SAT-F-9          | 10/11/02         |
| Vinyl Chloride             | EPA-8260      | <10           | ug/l         | MG-SAT-F-9          | 10/11/02         |
| m,p-Xylene                 | EPA-8260      | <5            | ug/l         | MG-SAT-F-9          | 10/11/02         |
| o-Xylene                   | EPA-8260      | <5            | ug/l         | MG-SAT-F-9          | 10/11/02         |



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CLIENT: Earth Tech, Inc.  
CLIENT'S SAMPLE ID: TW-1  
AES sample #: 021003BF03

Date Sampled: 10/03/02  
Date sample received: 10/03/02  
Location: Now Corp.  
grab  
Samples taken by: R. Gray  
MATRIX: Water

| <u>PARAMETER PERFORMED</u> | <u>METHOD</u> | <u>RESULT</u> | <u>UNITS</u> | <u>NOTEBOOK REF</u> | <u>TEST DATE</u> |
|----------------------------|---------------|---------------|--------------|---------------------|------------------|
| Benzene                    | EPA-8260      | <5            | ug/l         | MG-SAT-F-9          | 10/11/02         |
| Chlorobenzene              | EPA-8260      | <5            | ug/l         | MG-SAT-F-9          | 10/11/02         |
| Chloroethane               | EPA-8260      | <10           | ug/l         | MG-SAT-F-9          | 10/11/02         |
| 1,1-Dichloroethane         | EPA-8260      | 220           | ug/l         | MG-SAT-F-9          | 10/11/02         |
| 1,2-Dichloroethane         | EPA-8260      | <5            | ug/l         | MG-SAT-F-9          | 10/11/02         |
| cis-1,2-Dichloroethene     | EPA-8260      | 6             | ug/l         | MG-SAT-F-9          | 10/11/02         |
| trans-1,2-Dichloroethene   | EPA-8260      | <5            | ug/l         | MG-SAT-F-9          | 10/11/02         |
| 1,1-Dichloroethene         | EPA-8260      | 19            | ug/l         | MG-SAT-F-9          | 10/11/02         |
| Ethylbenzene               | EPA-8260      | <5            | ug/l         | MG-SAT-F-9          | 10/11/02         |
| Tetrachloroethene          | EPA-8260      | <5            | ug/l         | MG-SAT-F-9          | 10/11/02         |
| Toluene                    | EPA-8260      | <5            | ug/l         | MG-SAT-F-9          | 10/11/02         |
| 1,1,1-Trichloroethane      | EPA-8260      | 330           | ug/l         | MG-SAT-F-9          | 10/11/02         |
| 1,1,2-Trichloroethane      | EPA-8260      | <5            | ug/l         | MG-SAT-F-9          | 10/11/02         |
| Trichloroethene            | EPA-8260      | 120           | ug/l         | MG-SAT-F-9          | 10/11/02         |
| Vinyl Chloride             | EPA-8260      | <10           | ug/l         | MG-SAT-F-9          | 10/11/02         |
| m,p-Xylene                 | EPA-8260      | <5            | ug/l         | MG-SAT-F-9          | 10/11/02         |
| o-Xylene                   | EPA-8260      | <5            | ug/l         | MG-SAT-F-9          | 10/11/02         |



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CLIENT: Earth Tech, Inc.  
CLIENT'S SAMPLE ID: TW-2A  
AES sample #: 021003BF04

Samples taken by: R. Gray  
MATRIX: Water

Date Sampled: 10/03/02  
Date sample received: 10/03/02  
Location: Now Corp.  
grab

| <u>PARAMETER PERFORMED</u> | <u>METHOD</u> | <u>RESULT</u> | <u>UNITS</u> | <u>NOTEBOOK REF</u> | <u>TEST DATE</u> |
|----------------------------|---------------|---------------|--------------|---------------------|------------------|
| Benzene                    | EPA-8260      | <5            | ug/l         | MG-SAT-F-9          | 10/11/02         |
| Chlorobenzene              | EPA-8260      | <5            | ug/l         | MG-SAT-F-9          | 10/11/02         |
| Chloroethane               | EPA-8260      | <10           | ug/l         | MG-SAT-F-9          | 10/11/02         |
| 1,1-Dichloroethane         | EPA-8260      | 650           | ug/l         | MG-SAT-F-9          | 10/11/02         |
| 1,2-Dichloroethane         | EPA-8260      | <5            | ug/l         | MG-SAT-F-9          | 10/11/02         |
| cis-1,2-Dichloroethene     | EPA-8260      | 25            | ug/l         | MG-SAT-F-9          | 10/11/02         |
| trans-1,2-Dichloroethene   | EPA-8260      | <5            | ug/l         | MG-SAT-F-9          | 10/11/02         |
| 1,1-Dichloroethene         | EPA-8260      | 49            | ug/l         | MG-SAT-F-9          | 10/11/02         |
| Ethylbenzene               | EPA-8260      | <5            | ug/l         | MG-SAT-F-9          | 10/11/02         |
| Tetrachloroethene          | EPA-8260      | <5            | ug/l         | MG-SAT-F-9          | 10/11/02         |
| Toluene                    | EPA-8260      | <5            | ug/l         | MG-SAT-F-9          | 10/11/02         |
| 1,1,1-Trichloroethane      | EPA-8260      | 4500          | ug/l         | MG-SAT-F-9          | 10/11/02         |
| 1,1,2-Trichloroethane      | EPA-8260      | <5            | ug/l         | MG-SAT-F-9          | 10/11/02         |
| Trichloroethene            | EPA-8260      | 1100          | ug/l         | MG-SAT-F-9          | 10/11/02         |
| Vinyl Chloride             | EPA-8260      | <10           | ug/l         | MG-SAT-F-9          | 10/11/02         |
| m,p-Xylene                 | EPA-8260      | <5            | ug/l         | MG-SAT-F-9          | 10/11/02         |
| o-Xylene                   | EPA-8260      | <5            | ug/l         | MG-SAT-F-9          | 10/11/02         |



Experience is the solution

314 North Pearl Street • Albany, New York 12207 • 800-848-4983 • (518) 434-4546 • Fax (518) 434-0891

CLIENT: Earth Tech, Inc.  
CLIENT'S SAMPLE ID: TW-3  
AES sample #: 021003BF05

Samples taken by: R. Gray  
MATRIX: Water

Date Sampled: 10/03/02  
Date sample received: 10/03/02  
Location: Now Corp.  
grab

| <u>PARAMETER PERFORMED</u> | <u>METHOD</u> | <u>RESULT</u> | <u>UNITS</u> | <u>NOTEBOOK REF</u> | <u>TEST DATE</u> |
|----------------------------|---------------|---------------|--------------|---------------------|------------------|
| Benzene                    | EPA-8260      | <5            | ug/l         | MG-SAT-F-9          | 10/11/02         |
| Chlorobenzene              | EPA-8260      | <5            | ug/l         | MG-SAT-F-9          | 10/11/02         |
| Chloroethane               | EPA-8260      | <10           | ug/l         | MG-SAT-F-9          | 10/11/02         |
| 1,1-Dichloroethane         | EPA-8260      | 55            | ug/l         | MG-SAT-F-9          | 10/11/02         |
| 1,2-Dichloroethane         | EPA-8260      | <5            | ug/l         | MG-SAT-F-9          | 10/11/02         |
| cis-1,2-Dichloroethene     | EPA-8260      | <5            | ug/l         | MG-SAT-F-9          | 10/11/02         |
| trans-1,2-Dichloroethene   | EPA-8260      | <5            | ug/l         | MG-SAT-F-9          | 10/11/02         |
| 1,1-Dichloroethene         | EPA-8260      | <5            | ug/l         | MG-SAT-F-9          | 10/11/02         |
| Ethylbenzene               | EPA-8260      | <5            | ug/l         | MG-SAT-F-9          | 10/11/02         |
| Tetrachloroethene          | EPA-8260      | <5            | ug/l         | MG-SAT-F-9          | 10/11/02         |
| Toluene                    | EPA-8260      | <5            | ug/l         | MG-SAT-F-9          | 10/11/02         |
| 1,1,1-Trichloroethane      | EPA-8260      | 66            | ug/l         | MG-SAT-F-9          | 10/11/02         |
| 1,1,2-Trichloroethane      | EPA-8260      | <5            | ug/l         | MG-SAT-F-9          | 10/11/02         |
| Trichloroethene            | EPA-8260      | 16            | ug/l         | MG-SAT-F-9          | 10/11/02         |
| Vinyl Chloride             | EPA-8260      | <10           | ug/l         | MG-SAT-F-9          | 10/11/02         |
| m,p-Xylene                 | EPA-8260      | <5            | ug/l         | MG-SAT-F-9          | 10/11/02         |
| o-Xylene                   | EPA-8260      | <5            | ug/l         | MG-SAT-F-9          | 10/11/02         |



Experience is the solution

314 North Pearl Street • Albany, New York 12207 • 800-848-4983 • (518) 434-4546 • Fax (518) 434-0891

CLIENT: Earth Tech, Inc.  
CLIENT'S SAMPLE ID: Trip Blank  
AES sample #: 021003BF06

Samples taken by: R. Gray  
MATRIX: Water

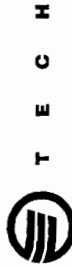
Date Sampled: 10/03/02  
Date sample received: 10/03/02  
Location: Now Corp.  
grab

| <u>PARAMETER PERFORMED</u> | <u>METHOD</u> | <u>RESULT</u> | <u>UNITS</u> | <u>NOTEBOOK REF</u> | <u>TEST DATE</u> |
|----------------------------|---------------|---------------|--------------|---------------------|------------------|
| Benzene                    | EPA-8260      | <0.5          | ug/l         | MG-SAT-F-9          | 10/11/02         |
| Chlorobenzene              | EPA-8260      | <0.5          | ug/l         | MG-SAT-F-9          | 10/11/02         |
| Chloroethane               | EPA-8260      | <0.5          | ug/l         | MG-SAT-F-9          | 10/11/02         |
| 1,1-Dichloroethane         | EPA-8260      | <0.5          | ug/l         | MG-SAT-F-9          | 10/11/02         |
| 1,2-Dichloroethane         | EPA-8260      | <0.5          | ug/l         | MG-SAT-F-9          | 10/11/02         |
| cis-1,2-Dichloroethene     | EPA-8260      | <0.5          | ug/l         | MG-SAT-F-9          | 10/11/02         |
| trans-1,2-Dichloroethene   | EPA-8260      | <0.5          | ug/l         | MG-SAT-F-9          | 10/11/02         |
| 1,1-Dichloroethene         | EPA-8260      | <0.5          | ug/l         | MG-SAT-F-9          | 10/11/02         |
| Ethylbenzene               | EPA-8260      | <0.5          | ug/l         | MG-SAT-F-9          | 10/11/02         |
| Tetrachloroethene          | EPA-8260      | <0.5          | ug/l         | MG-SAT-F-9          | 10/11/02         |
| Toluene                    | EPA-8260      | <0.5          | ug/l         | MG-SAT-F-9          | 10/11/02         |
| 1,1,1-Trichloroethane      | EPA-8260      | <0.5          | ug/l         | MG-SAT-F-9          | 10/11/02         |
| 1,1,2-Trichloroethane      | EPA-8260      | <0.5          | ug/l         | MG-SAT-F-9          | 10/11/02         |
| Trichloroethene            | EPA-8260      | <0.5          | ug/l         | MG-SAT-F-9          | 10/11/02         |
| Vinyl Chloride             | EPA-8260      | <0.5          | ug/l         | MG-SAT-F-9          | 10/11/02         |
| m,p-Xylene                 | EPA-8260      | <0.5          | ug/l         | MG-SAT-F-9          | 10/11/02         |
| o-Xylene                   | EPA-8260      | <0.5          | ug/l         | MG-SAT-F-9          | 10/11/02         |

APPROVED BY:   
Report date: 10/21/02



# Chain of Custody Record



E A R T H T E C H

A **tyco** INTERNATIONAL LTD. COMPANY

| Project Number<br>55849.01                         |                                         | Project Name/Client<br>EARTH TECH.<br>Now CORP. |       | Earth Tech Cooler # |       |
|----------------------------------------------------|-----------------------------------------|-------------------------------------------------|-------|---------------------|-------|
| Sample Custodian: (Signature)<br><i>Roger Gray</i> |                                         | Analysis Required                               |       | Custody Seal #      |       |
| Item No.                                           | Sample Description<br>(Field ID Number) | Date                                            | Time  | Grab                | Comp. |
| 1                                                  | EFF.                                    | 10/3/02                                         | 12:34 | X                   |       |
| 2                                                  |                                         | 10/02                                           | 12:34 |                     |       |
| 3                                                  |                                         |                                                 | 12:34 |                     |       |
| 4                                                  |                                         |                                                 | 12:40 |                     |       |
| 5                                                  |                                         |                                                 | 12:45 |                     |       |
| 6                                                  | INF.                                    | 10/02                                           | 12:50 |                     |       |
| 7                                                  |                                         |                                                 | 12:55 |                     |       |
| 8                                                  |                                         |                                                 | 1:00  |                     |       |
| 9                                                  |                                         |                                                 | 1:05  |                     |       |
| 10                                                 |                                         |                                                 | 1:10  |                     |       |
| 11                                                 | TW-1                                    |                                                 | 1:15  |                     |       |
| 12                                                 | TW-2A                                   |                                                 | 1:30  |                     |       |
| 13                                                 | TW-3                                    |                                                 | 1:25  |                     |       |
| 14                                                 | TRIP BLANK                              |                                                 |       |                     |       |
| 15                                                 |                                         |                                                 |       |                     |       |
| 16                                                 |                                         |                                                 |       |                     |       |
| 17                                                 |                                         |                                                 |       |                     |       |
| 18                                                 |                                         |                                                 |       |                     |       |

| Relinquished by: (Signature)<br><i>Roger Gray</i> | Date / Time<br>10-3-02 0:30 | Received by: (Signature)<br><i>Kathleen K. S. J.</i> | Date / Time<br>10/3/02 2:30 PM |
|---------------------------------------------------|-----------------------------|------------------------------------------------------|--------------------------------|
| Relinquished by: (Signature)                      | Date / Time                 | Received by: (Signature)                             | Date / Time                    |

| Send Lab Results To:                                                          | Remarks: | Check Delivery Method:                                                                          | Laboratory Receiving Notes:                                               |
|-------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| KEITH DECKER<br>EARTH TECH<br>40 BRITISH AMERICAN BLVD.<br>LATHAM, N.Y. 12110 |          | <input type="checkbox"/> Samples delivered in person<br><input type="checkbox"/> Common carrier | Custody Seal Intact?<br>Temp. of Shipping Container:<br>Sample Condition: |

January 7, 2003

Mr. Saiban Mahamooth  
NYSDEC Region 3  
21 South Putt Corners Road  
New Paltz, New York 12561

Re: NOW Corporation - Site #3-14-008  
Monthly Summary Report – August and September 2002

Dear Mr. Mahamooth:

Earth Tech is pleased to provide you with this monthly summary report for the operation, monitoring and maintenance of the groundwater treatment system at the NOW Corporation site in the Town of Clinton, New York.

Telephone

518.951.2200

Facsimile

518.951.2300

This report covers the operation, maintenance and monitoring of the vapor extraction system and the groundwater pump and treatment system for the months of August and September 2002. Earth Tech was maintaining the system in a manual operation mode due to the electrical problems that were being evaluated and corrected. At some point after the last July visit the system shut down and Earth Tech could not override the controls to run the system in manual operation.

The level transducers were removed and replaced on September 11, 2002. The level transducers were decayed and pitted from what we believe was from the electrical problems and the deplating of the transducer. Surge suppression was added to the system to counter future problems associated with lightning strikes. The system was restarted on September 26, 2002. At time of start up the vapor extraction system was not started due to the wells needed to be resealed with silicone when the transducers were replaced.

Earth Tech personnel performed the following maintenance items:

- Changed air carbon drums.



A **tyco** INTERNATIONAL LTD. COMPANY

Page 2

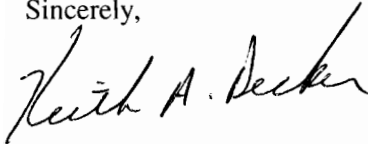
Mr. Saiban Mahamooth

August and September, 2002 Monitoring Report

As of September 26, 2002, a total of 25,670,200 gallons of groundwater were recovered and treated by the system.

Please feel free to contact me at (518) 951-2229 should you have any questions regarding the operation of the treatment system.

Sincerely,

A handwritten signature in black ink that reads "Keith A. Decker". The signature is written in a cursive style with a large, sweeping initial 'K'.

Keith A. Decker  
Project Manager

Attachments

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**Operation, Maintenance and Monitoring Report**  
**November 2002**

**NOW Corporation Site**  
**Site 3-14-008**

**Work Assignment No.**  
**D003821-29**

Prepared for:



**SUPERFUND STANDBY PROGRAM**  
**New York State**  
**Department of Environmental Conservation**  
625 Broadway  
Albany, New York 12233

Prepared by:

Earth Tech of New York, Inc.  
40 British American Boulevard  
Latham, New York 12110

January 7, 2003

Mr. Saiban Mahamooth  
NYSDEC Region 3  
21 South Putt Corners Road  
New Paltz, New York 12561

Re: NOW Corporation - Site #3-14-008  
Monthly Summary Report – November 2002

Dear Mr. Mahamooth:

Earth Tech is pleased to provide you with a monthly summary report for the operation, monitoring and maintenance of the groundwater treatment system at the NOW Corporation site in the Town of Clinton, New York.

Telephone

518.951.2200

This report covers the operation, maintenance and monitoring of the vapor extraction system and the groundwater pump and treatment system for the month of November 2002. In summary, approximately 521,300 gallons of water were treated during the reporting period.

Facsimile

518.951.2300

Discharge from the treatment system averaged approximately 10,639 gallons per day. Approximately 99 percent of the treated effluent was discharged to Crum Elbow Creek and 1 percent was injected, via well IW-1 into the bedrock aquifer. These readings may not be accurate, due to the fact it is uncommon for these injection wells to accept more of the flow.

Table 1 summarizes influent and effluent data for samples collected on November 22, 2002. All of the effluent treatment requirements were met. Table 2 summarizes the operation and maintenance data. Table 3 summarizes monitoring well water level data. Monthly air sampling also occurred on November 22, 2002. Table 4 summarizes the groundwater treatment system air sampling data and Table 5 summarizes the post air stripper data. Copies of the laboratory reports are attached.

Earth Tech made two site visits to conduct the required monthly maintenance and sampling. On November 7, 2002 the system was shut down due to a thermal alarm associated with the main effluent pump. The sumps were drained and the system restarted. The system was not sampled on the 7<sup>th</sup> due to the system being shut down. Heater is not working and call for repair has been made to Kingston Oil Service Company.

Earth Tech personnel performed the following maintenance items in addition to routine monitoring of system temperatures, pressures, flow measurements, and monitoring well water levels, etc.:

- Changed effluent pump.
- Changed oil in vapor blower motor



A tyco INTERNATIONAL LTD. COMPANY

Page 2

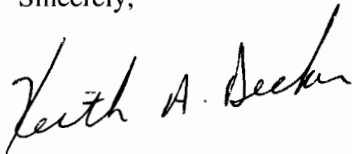
Mr. Saiban Mahamooth  
Now Corp

- Greased Air Stripper blower motor.
- Cleaned effluent pump.

As of November 22, 2002, a total of 26,327,900 gallons of groundwater were recovered and treated by the system.

Please feel free to contact me at (518) 951-2229 should you have any questions regarding the operation of the treatment system.

Sincerely,

A handwritten signature in black ink that reads "Keith A. Decker". The signature is written in a cursive, flowing style.

Keith A. Decker  
Project Manager

Attachments

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**Table 1**  
**Summary of November 2002 Influent and Effluent Data**

**NOW Corporation Site**  
**Town of Clinton, New York**

| Effluent<br>Parameters   | Influent     | Effluent      | TW-1      | TW-2A       | TW-3      | Treatment<br>Requirements |                |
|--------------------------|--------------|---------------|-----------|-------------|-----------|---------------------------|----------------|
|                          |              |               |           |             |           | (units)                   |                |
| Flow                     |              | <b>10,639</b> |           |             |           | Monitor                   | gpd            |
| pH                       | 6.5          | 6.8           |           |             |           | 6.5 to 8.5                | standard units |
| Vinyl Chloride           | <10          | <0.5          | <10       | <100        | <10       |                           | ug/L           |
| Chloroethane             | <10          | <0.5          | <10       | <100        | <10       |                           | ug/L           |
| 1,1-Dichloroethene       | <b>11</b>    | <0.5          | <b>8</b>  | <b>16</b>   | <5        |                           | ug/L           |
| trans-1,2-Dichloroethene | <5           | <0.5          | <5        | <50         | <5        |                           | ug/L           |
| 1,1-Dichloroethane       | <b>130</b>   | <0.5          | <b>79</b> | <b>200</b>  | <b>21</b> |                           | ug/L           |
| cis-1,2-Dichloroethene   | <b>9</b>     | <0.5          | <b>6</b>  | <b>15</b>   | <5        |                           | ug/L           |
| 1,1,1-Trichloroethane    | <b>630</b>   | <0.5          | <b>54</b> | <b>1200</b> | <b>18</b> |                           | ug/L           |
| Benzene                  | <5           | <0.5          | <5        | <50         | <5        |                           | ug/L           |
| 1,2-Dichloroethane       | <5           | <0.5          | <5        | <50         | <5        |                           | ug/L           |
| Trichloroethene          | <b>280</b>   | <0.5          | <b>90</b> | <b>460</b>  | <b>22</b> |                           | ug/L           |
| Toluene                  | <5           | <0.5          | <5        | <50         | <5        |                           | ug/L           |
| 1,1,2-Trichloroethane    | <5           | <0.5          | <5        | <50         | <5        |                           | ug/L           |
| Tetrachloroethene        | <5           | <0.5          | <5        | <50         | <5        |                           | ug/L           |
| Chlorobenzene            | <5           | <0.5          | <5        | <50         | <5        |                           | ug/L           |
| Ethylbenzene             | <5           | <0.5          | <5        | <50         | <5        |                           | ug/L           |
| 1,2- and 1,4-Xylenes     | <5           | <0.5          | <5        | <50         | <5        |                           | ug/L           |
| 1,3-Xylene               | <5           | <0.5          | <5        | <50         | <5        |                           | ug/L           |
| Aluminum, Total          | <0.1         | <0.1          |           |             |           |                           | ug/L           |
| Arsenic, Total           | <0.005       | <0.005        |           |             |           |                           | ug/L           |
| Barium, Total            | <b>0.08</b>  | <b>0.08</b>   |           |             |           |                           | ug/L           |
| Chromium                 | <b>0.014</b> | <b>0.019</b>  |           |             |           |                           | ug/L           |
| Copper                   | <0.005       | <0.005        |           |             |           |                           | ug/L           |
| Iron                     | <0.05        | <b>0.06</b>   |           |             |           |                           | ug/L           |
| Manganese                | <b>0.16</b>  | <b>0.1</b>    |           |             |           |                           | ug/L           |
| Mercury                  | <0.0004      | <0.0004       |           |             |           |                           | ug/L           |
| Nickel                   | <0.05        | <0.02         |           |             |           |                           | ug/L           |
| Zinc                     | <0.01        | <0.01         |           |             |           |                           | ug/L           |
| Oil and Grease           | <1.0         | <1.0          |           |             |           |                           | mg/L           |
| Cyanide                  | <0.01        | <0.01         |           |             |           |                           | ug/L           |
| TDS                      | <b>328</b>   | <b>320</b>    |           |             |           |                           | mg/L           |
| TSS                      | <1           | <1            |           |             |           |                           | mg/L           |

**Notes:**

- 1) Positive results are presented in **bold** typeface.
- 2) ND indicates Not Detected at or above the laboratory reporting limit.
- 3) NA indicates Not Applicable.
- 4) "J" indicates an estimated concentration below the method detection limit.
- 5) Boxed in **bold** denotes exceedance of treatment requirements.

**Table 2**  
**Summary of November 2002 O&M Data**

NOW Corporation Site  
Town of Clinton, New York

| Instrumentation/Readings:             |                                        | 11/22/2002 | units                   |
|---------------------------------------|----------------------------------------|------------|-------------------------|
| <b><i>TW-1</i></b>                    |                                        |            |                         |
|                                       | Pumping Rate                           | 4          | GPM                     |
|                                       | Water Level Above Transducer           | 62.07      | feet                    |
|                                       | Flow Meter Reading                     | 9,270,300  | gallons                 |
|                                       | Pump Pressure                          | 87         | psi                     |
| <b><i>TW-2A</i></b>                   |                                        |            |                         |
|                                       | Pumping Rate                           | 8          | GPM                     |
|                                       | Water Level Above Transducer           | 67.67      | feet                    |
|                                       | Flow Meter Reading                     | 5,542,700  | gallons                 |
|                                       | Pump Pressure                          | 63         | psi                     |
| <b><i>TW-3</i></b>                    |                                        |            |                         |
|                                       | Pumping Rate                           | 3          | GPM                     |
|                                       | Water Level Above Transducer           | 81.45      | feet                    |
|                                       | Flow Meter Reading                     | 6,010,300  | gallons                 |
|                                       | Pump Pressure                          | 95         | psi                     |
| <b><i>Air Stripper</i></b>            |                                        |            |                         |
|                                       | Stripper Blower Pressure               | 19         | inches H <sub>2</sub> O |
|                                       | Air Temperature in Stripper            | 49         | °F                      |
|                                       | Pressure Gauge - Left Leg              | 0.5        | inches H <sub>2</sub> O |
|                                       | Pressure Gauge - Right Leg             | 0.5        | inches H <sub>2</sub> O |
|                                       | Pressure/Vacuum on the Stripper        |            | inches H <sub>2</sub> O |
| <b><i>Sand Filter</i></b>             |                                        |            |                         |
|                                       | Influent Pressure                      | 10         | psi                     |
|                                       | Effluent Pressure                      | 7          | psi                     |
|                                       | Differential Pressure Across Filter    | 3          | psi                     |
| <b><i>Effluent Flow</i></b>           |                                        |            |                         |
|                                       | Total System Meter Reading             | 26,327,900 | gallons                 |
|                                       | IW-1 Flow Meter Reading                | 1,311,923  | gallons                 |
|                                       | IW-2 Flow Meter Reading                | 1,748,748  | gallons                 |
| <b><i>Vapor Extraction System</i></b> |                                        |            |                         |
|                                       | Vapor Blower Vacuum                    | 10.5       | inches Hg               |
|                                       | Vacuum before Filter with Dilution Air | 10.0       | inches Hg               |
|                                       | Vacuum on Knock-out Pot                | 13.5       | inches Hg               |
|                                       | Blower Inlet Temperature               | 60         | °F                      |
|                                       | Blower Outlet Temperature              | 62         | °F                      |
|                                       | Pressure After Blower                  | 34         | psi                     |
|                                       | Heat Exchanger Outlet Temperature      | 206        | °F                      |

*Note: N/A indicates Not Available.*

*NW - Not working*



**Table 3**  
**Summary of November 2002 Water Levels**

**NOW Corporation Site**  
**Town of Clinton, New York**

| Well ID | M.P.<br>Elevation | 11/22/2002                    |              |
|---------|-------------------|-------------------------------|--------------|
|         |                   | Depth to Water<br>(ft b.m.p.) | GW Elevation |
| MW-1    | 289.50            | 9.91                          | 279.59       |
| MW-2    | 332.51            | 25.89                         | 306.62       |
| MW-3    | 312.83            | 25.02                         | 287.81       |
| MW-3S   | 312.51            | 24.04                         | 288.47       |
| MW-4    | 298.29            | 20.7                          | 277.59       |
| MW-4D   | 298.16            | 20.59                         | 277.57       |
| MW-5    | 285.48            | 17.58                         | 267.90       |
| MW-6S   | 287.90            | 4.16                          | 283.74       |
| MW-6D   | 287.25            | 4.61                          | 282.64       |
| MW-7S   | 292.12            | 19.22                         | 272.90       |
| MW-7D   | 292.54            | 35.58                         | 256.96       |
| MW-8    | 283.65            | N/A                           | #VALUE!      |
| MW-9    | 275.37            | N/A                           | #VALUE!      |
| MW-10   | 280.92            | N/A                           | N/A          |
| MW-11   | 283.72            | N/A                           | #VALUE!      |
| OW-1    | 307.75            | 41.00                         | 266.75       |
| OW-2    | 305.96            | 54.18                         | 251.78       |
| OW-3    | 307.35            | N/A                           | #VALUE!      |
| OW-4    | 308.30            | N/A                           | #VALUE!      |
| OW-5    | 307.41            | N/A                           | #VALUE!      |
| OW-6    | 294.81            | 4.48                          | 290.33       |
| IW-1    | 312.46            | 8.98                          | 303.48       |
| IW-2    | 306.56            | 6.2                           | 300.36       |
| TW-2    | 290.52            | N/A                           | #VALUE!      |

*Note: N/A indicates Not Available.*

**Table 4**  
**November 2002 Groundwater Treatment System Air Sampling Data**  
 NOW Corporation Site  
 Town of Clinton, New York

| Analyte                | TW-1VE  |    | TW-2AVE |    | VE-1VE  |    | VE-2VE  |    | ST-1    |    | SVE-EXH |    | ST-4    |    |
|------------------------|---------|----|---------|----|---------|----|---------|----|---------|----|---------|----|---------|----|
|                        | Results | RL | Results | RL | Results | RL | Results | RL | Results | RL | Results | RL | Results | RL |
| Vinyl Chloride         | ND      | 1  | ND      | 1  | ND      | 1  | ND      | 1  | ND      | 1  | ND      | 4  | ND      | 1  |
| Chloroethane           | ND      | 1  | ND      | 1  | ND      | 1  | ND      | 1  | ND      | 1  | ND      | 4  | ND      | 1  |
| 1,1-Dichloroethene     | ND      | 1  | ND      | 1  | ND      | 1  | ND      | 1  | ND      | 1  | ND      | 4  | ND      | 1  |
| 1,1-Dichloroethane     | 1.4     | 1  | ND      | 1  | ND      | 1  | ND      | 1  | 2.3     | 1  | 3       | 4  | ND      | 1  |
| cis-1,2-Dichloroethene | ND      | 1  | ND      | 1  | ND      | 1  | ND      | 1  | ND      | 1  | ND      | 4  | ND      | 1  |
| 1,1,1-Trichloroethane  | 10.0    | 1  | 6       | 1  | 7.4     | 1  | 6.3     | 1  | 14      | 1  | 6.1     | 4  | ND      | 1  |
| 1,2-Dichloroethane     | ND      | 1  | ND      | 1  | ND      | 1  | ND      | 1  | ND      | 1  | ND      | 4  | ND      | 1  |
| Benzene                | ND      | 1  | ND      | 1  | ND      | 1  | ND      | 1  | ND      | 1  | ND      | 4  | ND      | 1  |
| Trichloroethene        | 17      | 1  | 13      | 1  | 15      | 1  | 15      | 1  | 22      | 1  | ND      | 4  | ND      | 1  |
| Toluene                | 4.9     | 1  | 4.9     | 1  | 4.7     | 1  | 4.5     | 1  | 5.6     | 1  | 4.8     | 4  | 5.7     | 1  |
| 1,1,2-Trichloroethane  | ND      | 1  | ND      | 1  | ND      | 1  | ND      | 1  | ND      | 1  | ND      | 4  | ND      | 1  |
| Tetrachloroethene      | ND      | 1  | ND      | 1  | ND      | 1  | ND      | 1  | ND      | 1  | ND      | 4  | ND      | 1  |
| Chlorobenzene          | ND      | 1  | ND      | 1  | ND      | 1  | ND      | 1  | ND      | 1  | ND      | 4  | ND      | 1  |
| Ethylbenzene           | ND      | 1  | ND      | 1  | ND      | 1  | ND      | 1  | ND      | 1  | ND      | 4  | ND      | 1  |
| p&m -Xylene            | ND      | 1  | 1       | 1  | ND      | 1  | 1.1     | 1  | 1.8     | 1  | 1.2     | 4  | 2.1     | 1  |
| o-Xylene               | ND      | 1  | ND      | 1  | ND      | 1  | ND      | 1  | ND      | 1  | ND      | 4  | ND      | 1  |

**Notes:**

- 1) All results are reported in ppbv.
- 2) Positive results are presented in **bold** typeface.
- 3) ND indicates Not Detected (Below RL).
- 4) RL = Reporting Limit

**Legend:**

TW-1VE=Well TW-1 Vapor Extraction  
 TW-2AVE=Well TW-2A Vapor Extraction  
 VE-1VE=Well VE-1 Vapor Extraction  
 VE-2VE=Well VE-2 Vapor Extraction  
 ST-1 = Sampling Tap #1 (Raw; Four Vapor Extraction Wells Combined)  
 SVE-EXH = Intermediate Sampling Tap, Between (2) 55-gal. Drum Carbon Adsorbers  
 ST-4 = Sampling Tap #4 (Final, After 2nd Carbon Adsorber)

**Table 5**  
**November 2002 Groundwater Treatment System Air Sampling Data**  
**NOW Corporation Site**  
**Town of Clinton, New York**

| Analyte                | Post Air Stripper (PAS) |    |
|------------------------|-------------------------|----|
|                        | 11/22/02                |    |
|                        | Results                 | RL |
| Vinyl Chloride         | ND                      | 4  |
| Chloroethane           | ND                      | 4  |
| 1,1-Dichloroethene     | <b>23</b>               | 4  |
| 1,1-Dichloroethane     | <b>248</b>              | 4  |
| cis-1,2-Dichloroethene | <b>21</b>               | 4  |
| 1,1,1-Trichloroethane  | <b>970</b>              | 4  |
| 1,2-Dichloroethane     | ND                      | 4  |
| Benzene                | ND                      | 4  |
| Trichloroethene        | <b>383</b>              | 4  |
| Toluene                | ND                      | 4  |
| 1,1,2-Trichloroethane  | ND                      | 4  |
| Tetrachloroethene      | <b>32</b>               | 4  |
| Chlorobenzene          | ND                      | 4  |
| Ethylbenzene           | ND                      | 4  |
| p&m -Xylene            | ND                      | 4  |
| o-Xylene               | ND                      | 4  |

*Notes:*

- 1) All results are reported in ppbv .*
- 2) Positive results are presented in **bold** typeface.*
- 3) ND indicates Not Detected (Below RL).*
- 4) RL = Reporting Limit*



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LABORATORY REPORT

for

Earth Tech, Inc.  
40 British American Blvd.  
Latham, NY 12110

Attention: Keith Decker

PJ:55849.01

Report date: 12/09/02  
Number of samples analyzed: 6  
AES Project ID: 021122AD  
Invoice #: 249805

ELAP ID#: 10709

AIHA ID#: 100307  
Page



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CLIENT: Earth Tech, Inc.  
CLIENT'S SAMPLE ID: EFF. 11/02  
AES sample #: 021122AD01

Samples taken by: R. Gray  
MATRIX: Water

Date Sampled: 11/22/02  
Date sample received: 11/22/02  
Location: Now Corp.  
grab

| <u>PARAMETER PERFORMED</u> | <u>METHOD</u> | <u>RESULT</u> | <u>UNITS</u> | <u>NOTE/REF</u> | <u>TEST DATE</u> |
|----------------------------|---------------|---------------|--------------|-----------------|------------------|
| Total Suspended Solids     | EPA-160.2     | <1            | mg/l         | JK-I-30         | 11/25/02         |
| Total Dissolved Solids     | SW-846        | 320           | mg/l         | LS-I-33         | 11/27/02         |
| Oil & Grease               | EPA-9070      | <1            | mg/l         | JK-G-16         | 11/26/02         |
| Cyanide, Total             | EPA-9012      | <0.01         | mg/l         | MC-L            | 12/05/02         |
| Zinc                       | EPA-6010      | <0.01         | mg/l         | KH-I-3I-73      | 12/04/02         |
| Aluminum                   | EPA-6010      | <0.1          | mg/l         | KH-I-3I-73      | 12/04/02         |
| Arsenic                    | EPA-6010      | <0.005        | mg/l         | KH-I-3I-73      | 12/04/02         |
| Barium                     | EPA-6010      | 0.08          | mg/l         | KH-I-3I-73      | 12/04/02         |
| Copper                     | EPA-6010      | <0.01         | mg/l         | KH-I-3I-73      | 12/04/02         |
| Chromium                   | EPA-6010      | 0.019         | mg/l         | KH-I-3I-73      | 12/04/02         |
| Iron                       | EPA-6010      | 0.06          | mg/l         | KH-I-3I-73      | 12/04/02         |
| Manganese                  | EPA-6010      | 0.10          | mg/l         | KH-I-3I-73      | 12/04/02         |
| Mercury                    | EPA-7471      | <0.0004       | mg/l         | SM-HG-C-1       | 11/26/02         |
| Nickel                     | EPA-6010      | <0.05         | mg/l         | KH-I-3I-73      | 12/04/02         |
| Benzene                    | EPA-8260      | <0.5          | ug/l         | MG-SAT-F14      | 12/02/02         |
| Chlorobenzene              | EPA-8260      | <0.5          | ug/l         | MG-SAT-F14      | 12/02/02         |
| Chloroethane               | EPA-8260      | <0.5          | ug/l         | MG-SAT-F14      | 12/02/02         |
| 1,1-Dichloroethane         | EPA-8260      | <0.5          | ug/l         | MG-SAT-F14      | 12/02/02         |
| 1,2-Dichloroethane         | EPA-8260      | <0.5          | ug/l         | MG-SAT-F14      | 12/02/02         |
| cis-1,2-Dichloroethene     | EPA-8260      | <0.5          | ug/l         | MG-SAT-F14      | 12/02/02         |



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CLIENT: Earth Tech, Inc.

CLIENT'S SAMPLE ID: EFF. 11/02

AES sample #: 021122AD01

Samples taken by: R. Gray

MATRIX: Water

Date Sampled: 11/22/02

Date sample received: 11/22/02

Location: Now Corp.  
grab

continued:

| <u>PARAMETER PERFORMED</u> | <u>METHOD</u> | <u>RESULT</u> | <u>UNITS</u> | <u>NOTEBOOK REF</u> | <u>TEST DATE</u> |
|----------------------------|---------------|---------------|--------------|---------------------|------------------|
| trans-1,2-Dichloroethene   | EPA-8260      | <0.5          | ug/l         | MG-SAT-F14          | 12/02/02         |
| 1,1-Dichloroethene         | EPA-8260      | <0.5          | ug/l         | MG-SAT-F14          | 12/02/02         |
| Ethylbenzene               | EPA-8260      | <0.5          | ug/l         | MG-SAT-F14          | 12/02/02         |
| Tetrachloroethene          | EPA-8260      | <0.5          | ug/l         | MG-SAT-F14          | 12/02/02         |
| Toluene                    | EPA-8260      | <0.5          | ug/l         | MG-SAT-F14          | 12/02/02         |
| 1,1,1-Trichloroethane      | EPA-8260      | <0.5          | ug/l         | MG-SAT-F14          | 12/02/02         |
| 1,1,2-Trichloroethane      | EPA-8260      | <0.5          | ug/l         | MG-SAT-F14          | 12/02/02         |
| Trichloroethene            | EPA-8260      | <0.5          | ug/l         | MG-SAT-F14          | 12/02/02         |
| Vinyl Chloride             | EPA-8260      | <0.5          | ug/l         | MG-SAT-F14          | 12/02/02         |
| m,p-Xylene                 | EPA-8260      | <0.5          | ug/l         | MG-SAT-F14          | 12/02/02         |
| o-Xylene                   | EPA-8260      | <0.5          | ug/l         | MG-SAT-F14          | 12/02/02         |



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CLIENT: Earth Tech, Inc.

CLIENT'S SAMPLE ID: INF. 11/02

AES sample #: 021122AD02

Samples taken by: R. Gray  
MATRIX: Water

Date Sampled: 11/22/02

Date sample received: 11/22/02

Location: Now Corp.  
grab

| <u>PARAMETER PERFORMED</u> | <u>METHOD</u> | <u>RESULT</u> | <u>UNITS</u> | <u>NOTEBOOK REF</u> | <u>TEST DATE</u> |
|----------------------------|---------------|---------------|--------------|---------------------|------------------|
| Total Suspended Solids     | EPA-160.2     | <1            | mg/l         | JK-I-30             | 11/25/02         |
| Total Dissolved Solids     | SW-846        | 328           | mg/l         | LS-I-33             | 11/27/02         |
| Oil & Grease               | EPA-9070      | <1            | mg/l         | JK-G-16             | 11/26/02         |
| Cyanide, Total             | EPA-9012      | <0.01         | mg/l         | MC-L                | 12/05/02         |
| Zinc                       | EPA-6010      | <0.01         | mg/l         | KH-I-3I-73          | 12/04/02         |
| Aluminum                   | EPA-6010      | <0.1          | mg/l         | KH-I-3I-73          | 12/04/02         |
| Arsenic                    | EPA-6010      | <0.005        | mg/l         | KH-I-3I-73          | 12/04/02         |
| Barium                     | EPA-6010      | 0.08          | mg/l         | KH-I-3I-73          | 12/04/02         |
| Copper                     | EPA-6010      | <0.01         | mg/l         | KH-I-3I-73          | 12/04/02         |
| Chromium                   | EPA-6010      | 0.014         | mg/l         | KH-I-3I-73          | 12/04/02         |
| Iron                       | EPA-6010      | <0.05         | mg/l         | KH-I-3I-73          | 12/04/02         |
| Manganese                  | EPA-6010      | 0.16          | mg/l         | KH-I-3I-73          | 12/04/02         |
| Mercury                    | EPA-7471      | <0.0004       | mg/l         | SM-HG-C-1           | 11/26/02         |
| Nickel                     | EPA-6010      | <0.05         | mg/l         | KH-I-3I-73          | 12/04/02         |
| Benzene                    | EPA-8260      | <5            | ug/l         | MG-SAT-F14          | 12/04/02         |
| Chlorobenzene              | EPA-8260      | <5            | ug/l         | MG-SAT-F14          | 12/04/02         |
| Chloroethane               | EPA-8260      | <10           | ug/l         | MG-SAT-F14          | 12/04/02         |
| 1,1-Dichloroethane         | EPA-8260      | 130           | ug/l         | MG-SAT-F14          | 12/04/02         |
| 1,2-Dichloroethane         | EPA-8260      | <5            | ug/l         | MG-SAT-F14          | 12/04/02         |
| cis-1,2-Dichloroethene     | EPA-8260      | 9             | ug/l         | MG-SAT-F14          | 12/04/02         |



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CLIENT: Earth Tech, Inc.

CLIENT'S SAMPLE ID: INF. 11/02

AES sample #: 021122AD02

Samples taken by: R. Gray

MATRIX: Water

Date Sampled: 11/22/02

Date sample received: 11/22/02

Location: Now Corp.

grab

continued:

| <u>PARAMETER PERFORMED</u> | <u>METHOD</u> | <u>RESULT</u> | <u>UNITS</u> | <u>NOTES/REF</u> | <u>TEST DATE</u> |
|----------------------------|---------------|---------------|--------------|------------------|------------------|
| trans-1,2-Dichloroethene   | EPA-8260      | <5            | ug/l         | MG-SAT-F14       | 12/04/02         |
| 1,1-Dichloroethene         | EPA-8260      | 11            | ug/l         | MG-SAT-F14       | 12/04/02         |
| Ethylbenzene               | EPA-8260      | <5            | ug/l         | MG-SAT-F14       | 12/04/02         |
| Tetrachloroethene          | EPA-8260      | <5            | ug/l         | MG-SAT-F14       | 12/04/02         |
| Toluene                    | EPA-8260      | <5            | ug/l         | MG-SAT-F14       | 12/04/02         |
| 1,1,1-Trichloroethane      | EPA-8260      | 630           | ug/l         | MG-SAT-F14       | 12/04/02         |
| 1,1,2-Trichloroethane      | EPA-8260      | <5            | ug/l         | MG-SAT-F14       | 12/04/02         |
| Trichloroethene            | EPA-8260      | 280           | ug/l         | MG-SAT-F14       | 12/04/02         |
| Vinyl Chloride             | EPA-8260      | <10           | ug/l         | MG-SAT-F14       | 12/04/02         |
| m,p-Xylene                 | EPA-8260      | <5            | ug/l         | MG-SAT-F14       | 12/04/02         |
| o-Xylene                   | EPA-8260      | <5            | ug/l         | MG-SAT-F14       | 12/04/02         |





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CLIENT: Earth Tech, Inc.  
CLIENT'S SAMPLE ID: TW-1  
AES sample #: 021122AD03

Date Sampled: 11/22/02  
Date sample received: 11/22/02  
Location: Now Corp.  
grab  
Samples taken by: R. Gray  
MATRIX: Water

| <u>PARAMETER PERFORMED</u> | <u>METHOD</u> | <u>RESULT</u> | <u>UNITS</u> | <u>NOTEBOOK REF</u> | <u>TEST DATE</u> |
|----------------------------|---------------|---------------|--------------|---------------------|------------------|
| Benzene                    | EPA-8260      | <5            | ug/l         | MG-SAT-F14          | 12/04/02         |
| Chlorobenzene              | EPA-8260      | <5            | ug/l         | MG-SAT-F14          | 12/04/02         |
| Chloroethane               | EPA-8260      | <10           | ug/l         | MG-SAT-F14          | 12/04/02         |
| 1,1-Dichloroethane         | EPA-8260      | 79            | ug/l         | MG-SAT-F14          | 12/04/02         |
| 1,2-Dichloroethane         | EPA-8260      | <5            | ug/l         | MG-SAT-F14          | 12/04/02         |
| cis-1,2-Dichloroethene     | EPA-8260      | 6             | ug/l         | MG-SAT-F14          | 12/04/02         |
| trans-1,2-Dichloroethene   | EPA-8260      | <5            | ug/l         | MG-SAT-F14          | 12/04/02         |
| 1,1-Dichloroethene         | EPA-8260      | 8             | ug/l         | MG-SAT-F14          | 12/04/02         |
| Ethylbenzene               | EPA-8260      | <5            | ug/l         | MG-SAT-F14          | 12/04/02         |
| Tetrachloroethene          | EPA-8260      | <5            | ug/l         | MG-SAT-F14          | 12/04/02         |
| Toluene                    | EPA-8260      | <5            | ug/l         | MG-SAT-F14          | 12/04/02         |
| 1,1,1-Trichloroethane      | EPA-8260      | 54            | ug/l         | MG-SAT-F14          | 12/04/02         |
| 1,1,2-Trichloroethane      | EPA-8260      | <5            | ug/l         | MG-SAT-F14          | 12/04/02         |
| Trichloroethene            | EPA-8260      | 90            | ug/l         | MG-SAT-F14          | 12/04/02         |
| Vinyl Chloride             | EPA-8260      | <10           | ug/l         | MG-SAT-F14          | 12/04/02         |
| m,p-Xylene                 | EPA-8260      | <5            | ug/l         | MG-SAT-F14          | 12/04/02         |
| o-Xylene                   | EPA-8260      | <5            | ug/l         | MG-SAT-F14          | 12/04/02         |



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CLIENT: Earth Tech, Inc.  
CLIENT'S SAMPLE ID: TW-2A  
AES sample #: 021122AD04

Samples taken by: R. Gray  
MATRIX: Water

Date Sampled: 11/22/02  
Date sample received: 11/22/02  
Location: Now Corp.  
grab

| <u>PARAMETER PERFORMED</u> | <u>METHOD</u> | <u>RESULT</u> | <u>UNITS</u> | <u>NOTEBOOK REF</u> | <u>TEST DATE</u> |
|----------------------------|---------------|---------------|--------------|---------------------|------------------|
| Benzene                    | EPA-8260      | <5            | ug/l         | MG-SAT-F14          | 12/04/02         |
| Chlorobenzene              | EPA-8260      | <5            | ug/l         | MG-SAT-F14          | 12/04/02         |
| Chloroethane               | EPA-8260      | <10           | ug/l         | MG-SAT-F14          | 12/04/02         |
| 1,1-Dichloroethane         | EPA-8260      | 200           | ug/l         | MG-SAT-F14          | 12/04/02         |
| 1,2-Dichloroethane         | EPA-8260      | <5            | ug/l         | MG-SAT-F14          | 12/04/02         |
| cis-1,2-Dichloroethene     | EPA-8260      | 15            | ug/l         | MG-SAT-F14          | 12/04/02         |
| trans-1,2-Dichloroethene   | EPA-8260      | <5            | ug/l         | MG-SAT-F14          | 12/04/02         |
| 1,1-Dichloroethene         | EPA-8260      | 16            | ug/l         | MG-SAT-F14          | 12/04/02         |
| Ethylbenzene               | EPA-8260      | <5            | ug/l         | MG-SAT-F14          | 12/04/02         |
| Tetrachloroethene          | EPA-8260      | <5            | ug/l         | MG-SAT-F14          | 12/04/02         |
| Toluene                    | EPA-8260      | <5            | ug/l         | MG-SAT-F14          | 12/04/02         |
| 1,1,1-Trichloroethane      | EPA-8260      | 1200          | ug/l         | MG-SAT-F14          | 12/04/02         |
| 1,1,2-Trichloroethane      | EPA-8260      | <5            | ug/l         | MG-SAT-F14          | 12/04/02         |
| Trichloroethene            | EPA-8260      | 460           | ug/l         | MG-SAT-F14          | 12/04/02         |
| Vinyl Chloride             | EPA-8260      | <10           | ug/l         | MG-SAT-F14          | 12/04/02         |
| m,p-Xylene                 | EPA-8260      | <5            | ug/l         | MG-SAT-F14          | 12/04/02         |
| o-Xylene                   | EPA-8260      | <5            | ug/l         | MG-SAT-F14          | 12/04/02         |



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CLIENT: Earth Tech, Inc.  
CLIENT'S SAMPLE ID: TW-3  
AES sample #: 021122AD05

Samples taken by: R. Gray  
MATRIX: Water

Date Sampled: 11/22/02  
Date sample received: 11/22/02  
Location: Now Corp.  
grab

| <u>PARAMETER PERFORMED</u> | <u>METHOD</u> | <u>RESULT</u> | <u>UNITS</u> | <u>NOTEBOOK REF</u> | <u>TEST DATE</u> |
|----------------------------|---------------|---------------|--------------|---------------------|------------------|
| Benzene                    | EPA-8260      | <5            | ug/l         | MG-SAT-F14          | 12/04/02         |
| Chlorobenzene              | EPA-8260      | <5            | ug/l         | MG-SAT-F14          | 12/04/02         |
| Chloroethane               | EPA-8260      | <10           | ug/l         | MG-SAT-F14          | 12/04/02         |
| 1,1-Dichloroethane         | EPA-8260      | 21            | ug/l         | MG-SAT-F14          | 12/04/02         |
| 1,2-Dichloroethane         | EPA-8260      | <5            | ug/l         | MG-SAT-F14          | 12/04/02         |
| cis-1,2-Dichloroethene     | EPA-8260      | <5            | ug/l         | MG-SAT-F14          | 12/04/02         |
| trans-1,2-Dichloroethene   | EPA-8260      | <5            | ug/l         | MG-SAT-F14          | 12/04/02         |
| 1,1-Dichloroethene         | EPA-8260      | <5            | ug/l         | MG-SAT-F14          | 12/04/02         |
| Ethylbenzene               | EPA-8260      | <5            | ug/l         | MG-SAT-F14          | 12/04/02         |
| Tetrachloroethene          | EPA-8260      | <5            | ug/l         | MG-SAT-F14          | 12/04/02         |
| Toluene                    | EPA-8260      | <5            | ug/l         | MG-SAT-F14          | 12/04/02         |
| 1,1,1-Trichloroethane      | EPA-8260      | 18            | ug/l         | MG-SAT-F14          | 12/04/02         |
| 1,1,2-Trichloroethane      | EPA-8260      | <5            | ug/l         | MG-SAT-F14          | 12/04/02         |
| Trichloroethene            | EPA-8260      | 22            | ug/l         | MG-SAT-F14          | 12/04/02         |
| Vinyl Chloride             | EPA-8260      | <10           | ug/l         | MG-SAT-F14          | 12/04/02         |
| m,p-Xylene                 | EPA-8260      | <5            | ug/l         | MG-SAT-F14          | 12/04/02         |
| o-Xylene                   | EPA-8260      | <5            | ug/l         | MG-SAT-F14          | 12/04/02         |



Experience is the solution

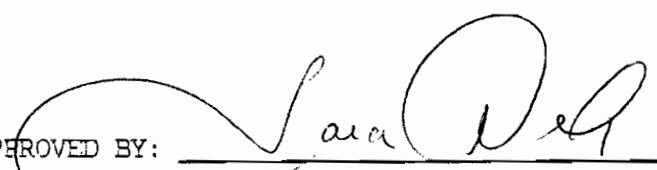
314 North Pearl Street • Albany, New York 12207 • 800-848-4983 • (518) 434-4546 • Fax (518) 434-0891

CLIENT: Earth Tech, Inc.  
CLIENT'S SAMPLE ID: Trip Blank  
AES sample #: 021122AD06

Samples taken by: R. Gray  
MATRIX: Water

Date Sampled: 11/22/02  
Date sample received: 11/22/02  
Location: Now Corp.  
grab

| <u>PARAMETER PERFORMED</u> | <u>METHOD</u> | <u>RESULT</u> | <u>UNITS</u> | <u>NOTEBOOK REF</u> | <u>TEST DATE</u> |
|----------------------------|---------------|---------------|--------------|---------------------|------------------|
| Benzene                    | EPA-8260      | <0.5          | ug/l         | MG-SAT-F14          | 12/02/02         |
| Chlorobenzene              | EPA-8260      | <0.5          | ug/l         | MG-SAT-F14          | 12/02/02         |
| Chloroethane               | EPA-8260      | <0.5          | ug/l         | MG-SAT-F14          | 12/02/02         |
| 1,1-Dichloroethane         | EPA-8260      | <0.5          | ug/l         | MG-SAT-F14          | 12/02/02         |
| 1,2-Dichloroethane         | EPA-8260      | <0.5          | ug/l         | MG-SAT-F14          | 12/02/02         |
| cis-1,2-Dichloroethene     | EPA-8260      | <0.5          | ug/l         | MG-SAT-F14          | 12/02/02         |
| trans-1,2-Dichloroethene   | EPA-8260      | <0.5          | ug/l         | MG-SAT-F14          | 12/02/02         |
| 1,1-Dichloroethene         | EPA-8260      | <0.5          | ug/l         | MG-SAT-F14          | 12/02/02         |
| Ethylbenzene               | EPA-8260      | <0.5          | ug/l         | MG-SAT-F14          | 12/02/02         |
| Tetrachloroethene          | EPA-8260      | <0.5          | ug/l         | MG-SAT-F14          | 12/02/02         |
| Toluene                    | EPA-8260      | <0.5          | ug/l         | MG-SAT-F14          | 12/02/02         |
| 1,1,1-Trichloroethane      | EPA-8260      | <0.5          | ug/l         | MG-SAT-F14          | 12/02/02         |
| 1,1,2-Trichloroethane      | EPA-8260      | <0.5          | ug/l         | MG-SAT-F14          | 12/02/02         |
| Trichloroethene            | EPA-8260      | <0.5          | ug/l         | MG-SAT-F14          | 12/02/02         |
| Vinyl Chloride             | EPA-8260      | <0.5          | ug/l         | MG-SAT-F14          | 12/02/02         |
| m,p-Xylene                 | EPA-8260      | <0.5          | ug/l         | MG-SAT-F14          | 12/02/02         |
| o-Xylene                   | EPA-8260      | <0.5          | ug/l         | MG-SAT-F14          | 12/02/02         |

APPROVED BY:   
Report date: 12/09/02

| Project Number |                                      | Project Name/Client |       | Earth Tech Cooler # |                   | Custody Seal # |  | Analysis Required |  | Sample Type |  | Sample Container |  |
|----------------|--------------------------------------|---------------------|-------|---------------------|-------------------|----------------|--|-------------------|--|-------------|--|------------------|--|
| Item No.       | Sample Description (Field ID Number) | Date                | Time  | Comp.               | PID Reading (ppm) | Label Number   |  |                   |  |             |  |                  |  |
| 1              | FFF 11/02                            | 11/22/02            | 12:05 | X                   |                   |                |  |                   |  |             |  |                  |  |
| 2              | ADO1                                 |                     | 12:20 |                     |                   |                |  |                   |  |             |  |                  |  |
| 3              |                                      |                     | 12:10 |                     |                   |                |  |                   |  |             |  |                  |  |
| 4              |                                      |                     | 12:15 |                     |                   |                |  |                   |  |             |  |                  |  |
| 5              |                                      |                     | 12:25 |                     |                   |                |  |                   |  |             |  |                  |  |
| 6              | INF 11/02                            |                     | 12:35 |                     |                   |                |  |                   |  |             |  |                  |  |
| 7              |                                      |                     | 12:45 |                     |                   |                |  |                   |  |             |  |                  |  |
| 8              | ADO2                                 |                     | 12:45 |                     |                   |                |  |                   |  |             |  |                  |  |
| 9              |                                      |                     | 12:45 |                     |                   |                |  |                   |  |             |  |                  |  |
| 10             |                                      |                     | 12:55 |                     |                   |                |  |                   |  |             |  |                  |  |
| 11             | TW-1 ADO3                            |                     | 1:00  |                     |                   |                |  |                   |  |             |  |                  |  |
| 12             | TW-2A ADO4                           |                     | 1:10  |                     |                   |                |  |                   |  |             |  |                  |  |
| 13             | TW-3 ADO5                            |                     | 1:15  |                     |                   |                |  |                   |  |             |  |                  |  |
| 14             | TRIP BLANK ADO6                      |                     |       |                     |                   |                |  |                   |  |             |  |                  |  |
| 15             |                                      |                     |       |                     |                   |                |  |                   |  |             |  |                  |  |
| 16             |                                      |                     |       |                     |                   |                |  |                   |  |             |  |                  |  |
| 17             |                                      |                     |       |                     |                   |                |  |                   |  |             |  |                  |  |
| 18             |                                      |                     |       |                     |                   |                |  |                   |  |             |  |                  |  |

|                              |                |                          |                             |        |             |
|------------------------------|----------------|--------------------------|-----------------------------|--------|-------------|
| Relinquished by: (Signature) | Date / Time    | Received by: (Signature) | Disposed of by: (Signature) | Items: | Date / Time |
| <i>Regan Harty</i>           | 11-22-02 12:40 | <i>ML</i>                |                             |        |             |
| Relinquished by: (Signature) | Date / Time    | Received by: (Signature) | Disposed of by: (Signature) | Items: | Date / Time |
|                              |                |                          |                             |        |             |

|                                                                               |                                                                                                                           |
|-------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Send Lab Results To:                                                          | Remarks:                                                                                                                  |
| KEITH DECKER<br>EARTH TECH<br>40 BRITISH AMERICAN BLVD.<br>LATHAM, N.Y. 12110 | Check Delivery Method:<br><input type="checkbox"/> Samples delivered in person<br><input type="checkbox"/> Common carrier |

|                              |
|------------------------------|
| Laboratory Receiving Notes:  |
| Custody Seal Intact?         |
| Temp. of Shipping Container: |
| Sample Condition:            |

12/04/2002

Earth Tech  
ATTN: Steve Choinere  
40 British American Blvd.  
Latham, NY 12110

Project Reference: NOW Corporation, 55849.02  
Lab Number: A2112501-01/08

Enclosed are results for sample(s) received 11/25/02 by Air Technology Laboratories. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

Sample analyses were performed within method performance criteria.  
All results are reported without qualifications.

Results were faxed to Steve Choinere on 12/04/02.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,



Mark Johnson  
Operations Manager  
mark@atlglobal.com

Enclosures

Note: The cover letter is an integral part of this analytical report.



# Chain of Custody Record



A **tyco** INTERNATIONAL LTD. COMPANY

42112501

| Project Number<br>55849.02                         |                                      | Project Name/Client<br>EARTH TECH<br>NOW CORP |       | Custody Seal #                                           |       | Earth Tech Cooler # |              |
|----------------------------------------------------|--------------------------------------|-----------------------------------------------|-------|----------------------------------------------------------|-------|---------------------|--------------|
| Sample Custodian: (Signature)<br><i>Roger Gray</i> |                                      |                                               |       | Analysis Required<br>(ANALYTE LIST PER 3/12/98 BLD Form) |       | Matrix              |              |
| Item No.                                           | Sample Description (Field ID Number) | Date                                          | Time  | Lab                                                      | Comp. | PID Reading (ppm)   | Label Number |
| 1                                                  | Tw-IVE                               | 11-22-02                                      | 11:20 | N/A                                                      | N/A   |                     |              |
| 2                                                  | VE-IVE                               |                                               | 11:25 |                                                          |       |                     |              |
| 3                                                  | VE-2UE                               |                                               | 11:30 |                                                          |       |                     |              |
| 4                                                  | Tw-2AVE                              |                                               | 11:35 |                                                          |       |                     |              |
| 5                                                  | ST-1                                 |                                               | 11:40 |                                                          |       |                     |              |
| 6                                                  | PAS                                  |                                               | 10:55 |                                                          |       |                     |              |
| 7                                                  | SVE-EXH.                             |                                               | 10:25 |                                                          |       |                     |              |
| 8                                                  | ST-4                                 |                                               | 10:20 |                                                          |       |                     |              |
| 9                                                  |                                      |                                               |       |                                                          |       |                     |              |
| 10                                                 |                                      |                                               |       |                                                          |       |                     |              |
| 11                                                 |                                      |                                               |       |                                                          |       |                     |              |
| 12                                                 |                                      |                                               |       |                                                          |       |                     |              |
| 13                                                 |                                      |                                               |       |                                                          |       |                     |              |
| 14                                                 |                                      |                                               |       |                                                          |       |                     |              |
| 15                                                 |                                      |                                               |       |                                                          |       |                     |              |
| 16                                                 |                                      |                                               |       |                                                          |       |                     |              |
| 17                                                 |                                      |                                               |       |                                                          |       |                     |              |
| 18                                                 |                                      |                                               |       |                                                          |       |                     |              |

| Relinquished by: (Signature)<br><i>Roger Gray</i>                                                                                                                                                                               | Date / Time<br>11-22-02 12:00                                                                                                                                   | Received by: (Signature)<br><i>Fed Ex</i>                                                                                | Disposed of by: (Signature)                                      | Items: | Date / Time |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|--------|-------------|
| Relinquished by: (Signature)<br><i>STEVE CHOINERE</i> <td>Date / Time<br/>11/26/02 9:00 <td>Received by: (Signature)<br/><i>Paul Jones</i> <td>Disposed of by: (Signature) <td>Items:</td> <td>Date / Time</td> </td></td></td> | Date / Time<br>11/26/02 9:00 <td>Received by: (Signature)<br/><i>Paul Jones</i> <td>Disposed of by: (Signature) <td>Items:</td> <td>Date / Time</td> </td></td> | Received by: (Signature)<br><i>Paul Jones</i> <td>Disposed of by: (Signature) <td>Items:</td> <td>Date / Time</td> </td> | Disposed of by: (Signature) <td>Items:</td> <td>Date / Time</td> | Items: | Date / Time |

| Send Lab Results To:<br>KEITH DECKER,<br>EARTH TECH,<br>40 BRITISH AMERICAN BLVD.<br>LATHAM, N.Y. 12110                                   | Check Delivery Method:<br><input type="checkbox"/> Samples delivered in person<br><input type="checkbox"/> Common carrier | Laboratory Receiving Notes:<br>Custody Seal Intact?<br>Temp. of Shipping Container:<br>Sample Condition: |
|-------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| Remarks: TAT: 10 BUSINESS DAYS<br>SEND ENOUGH BAGS BACK WITH COOLER FOR NEXT SAMP.<br>Federal Express Airbill No.: C/O ROGER GRAY<br>Lab: |                                                                                                                           |                                                                                                          |

White Copy - Lab      Yellow Copy - File      Pink Copy - Client

Client: EarthTech  
Attn: Steve Choinere

Page1 of 1

Client's Project: NOW CORP., 55849.02  
Date Received: 11/25/02  
Matrix: Air  
Units: ppbv

EPA Method TO14

| Lab No:               |     | A2112501-01 |     | A2112501-02 |     | A2112501-03 |     | A2112501-04 |     | A2112501-05 |     |
|-----------------------|-----|-------------|-----|-------------|-----|-------------|-----|-------------|-----|-------------|-----|
| Client Sample I.D.:   |     | TW-1VE      |     | VE-1VE      |     | VE-2VE      |     | TW-2AVE     |     | ST-1        |     |
| Date Sampled:         |     | 11/22/02    |     | 11/22/02    |     | 11/22/02    |     | 11/22/02    |     | 11/22/02    |     |
| Date Analyzed:        |     | 11/25/02    |     | 11/25/02    |     | 11/25/02    |     | 11/25/02    |     | 11/25/02    |     |
| QC Batch No:          |     | 021125MS2A1 |     | 021125MS2A1 |     | 021125MS2A1 |     | 021125MS2A1 |     | 021125MS2A1 |     |
| Analyst Initials:     |     | SC          |     | SC          |     | SC          |     | SC          |     | SC          |     |
| Dilution Factor:      |     | 1.0         |     | 1.0         |     | 1.0         |     | 1.0         |     | 1.0         |     |
| ANALYTE               | MDL | Result      | RL  | Result      | RL  | Result      | RL  | Result      | RL  | Result      | RL  |
| Vinyl Chloride        | 1.0 | ND          | 1.0 | ND          | 1.0 | ND          | 1.0 | ND          | 1.0 | ND          | 1.0 |
| Chloroethane          | 1.0 | ND          | 1.0 | ND          | 1.0 | ND          | 1.0 | ND          | 1.0 | ND          | 1.0 |
| 1,1-Dichloroethene    | 1.0 | ND          | 1.0 | ND          | 1.0 | ND          | 1.0 | ND          | 1.0 | ND          | 1.0 |
| 1,1-Dichloroethane    | 1.0 | 1.4         | 1.0 | ND          | 1.0 | ND          | 1.0 | ND          | 1.0 | 2.3         | 1.0 |
| c-1,2-Dichloroethene  | 1.0 | ND          | 1.0 | ND          | 1.0 | ND          | 1.0 | ND          | 1.0 | ND          | 1.0 |
| 1,1,1-Trichloroethane | 1.0 | 10          | 1.0 | 7.4         | 1.0 | 6.3         | 1.0 | 5.5         | 1.0 | 14          | 1.0 |
| Benzene               | 1.0 | ND          | 1.0 | ND          | 1.0 | ND          | 1.0 | ND          | 1.0 | ND          | 1.0 |
| 1,2-Dichloroethane    | 1.0 | ND          | 1.0 | ND          | 1.0 | ND          | 1.0 | ND          | 1.0 | ND          | 1.0 |
| Trichloroethene       | 1.0 | 17          | 1.0 | 15          | 1.0 | 15          | 1.0 | 13          | 1.0 | 22          | 1.0 |
| Toluene               | 1.0 | 4.9         | 1.0 | 4.7         | 1.0 | 4.5         | 1.0 | 4.9         | 1.0 | 5.6         | 1.0 |
| 1,1,2-Trichloroethane | 1.0 | ND          | 1.0 | ND          | 1.0 | ND          | 1.0 | ND          | 1.0 | ND          | 1.0 |
| Tetrachloroethene     | 1.0 | ND          | 1.0 | ND          | 1.0 | ND          | 1.0 | ND          | 1.0 | ND          | 1.0 |
| Chlorobenzene         | 1.0 | ND          | 1.0 | ND          | 1.0 | ND          | 1.0 | ND          | 1.0 | ND          | 1.0 |
| Ethylbenzene          | 1.0 | ND          | 1.0 | ND          | 1.0 | ND          | 1.0 | ND          | 1.0 | ND          | 1.0 |
| p,&m-Xylene           | 1.0 | ND          | 1.0 | ND          | 1.0 | 1.1         | 1.0 | 1.0         | 1.0 | 1.8         | 1.0 |
| o-Xylene              | 1.0 | ND          | 1.0 | ND          | 1.0 | ND          | 1.0 | ND          | 1.0 | ND          | 1.0 |
|                       |     |             |     |             |     |             |     |             |     |             |     |

MDL = Method Detection Limit

ND = Not Detected (below RL)

RL = MDL X Dilution Factor

Reviewed/Approved By:



Mark Johnson  
Air Toxics Operations Manager

Date 12-4-02

The cover letter is an integral part of this analytical report





Client: EarthTech  
Attn: Steve Choinere

Page1 of 1

Client's Project: NOW CORP., 55849.02  
Date Received: 11/25/02  
Matrix: Air  
Units: ppbv

EPA Method TO14

|                       |             |             |             |        |     |
|-----------------------|-------------|-------------|-------------|--------|-----|
| Lab No:               | A2112501-06 | A2112501-07 | A2112501-08 |        |     |
| Client Sample I.D.:   | PAS         | SVE-EXH     | ST-4        |        |     |
| Date Sampled:         | 11/22/02    | 11/22/02    | 11/22/02    |        |     |
| Date Analyzed:        | 11/25/02    | 11/25/02    | 11/25/02    |        |     |
| QC Batch No:          | 021125MS2A1 | 021125MS2A1 | 021125MS2A1 |        |     |
| Analyst Initials:     | SC          | SC          | SC          |        |     |
| Dilution Factor:      | 5.0         | 1.0         | 1.0         |        |     |
| ANALYTE               | MDL         | Result      | RL          | Result | RL  |
| Vinyl Chloride        | 1.0         | ND          | 5.0         | ND     | 1.0 |
| Chloroethane          | 1.0         | ND          | 5.0         | ND     | 1.0 |
| 1,1-Dichloroethene    | 1.0         | 23          | 5.0         | ND     | 1.0 |
| 1,1-Dichloroethane    | 1.0         | 248         | 5.0         | 3.0    | 1.0 |
| c-1,2-Dichloroethene  | 1.0         | 21          | 5.0         | ND     | 1.0 |
| 1,1,1-Trichloroethane | 1.0         | 970         | 5.0         | 6.1    | 1.0 |
| Benzene               | 1.0         | ND          | 5.0         | ND     | 1.0 |
| 1,2-Dichloroethane    | 1.0         | ND          | 5.0         | ND     | 1.0 |
| Trichloroethene       | 1.0         | 383         | 5.0         | ND     | 1.0 |
| Toluene               | 1.0         | ND          | 5.0         | 4.8    | 1.0 |
| 1,1,2-Trichloroethane | 1.0         | ND          | 5.0         | ND     | 1.0 |
| Tetrachloroethene     | 1.0         | 32          | 5.0         | ND     | 1.0 |
| Chlorobenzene         | 1.0         | ND          | 5.0         | ND     | 1.0 |
| Ethylbenzene          | 1.0         | ND          | 5.0         | ND     | 1.0 |
| p,&m-Xylene           | 1.0         | ND          | 5.0         | 1.2    | 1.0 |
| o-Xylene              | 1.0         | ND          | 5.0         | ND     | 1.0 |

MDL = Method Detection Limit

ND = Not Detected (below RL)

RL = MDL X Dilution Factor

Reviewed/Approved By:



Mark Johnson

Air Toxics Operations Manager

Date

12-4-02

The cover letter is an integral part of this analytical report



## LCS/LCSD Recovery and RPD Summary Report

QC Batch #: 021125MS2A1

Matrix: Air

## EPA Method TO-14/TO-15

|                           |                |                 |                |       |                |       |     |             |              |             |               |
|---------------------------|----------------|-----------------|----------------|-------|----------------|-------|-----|-------------|--------------|-------------|---------------|
| Lab No:                   | Method Blank   |                 | LCS            |       | LCSD           |       |     |             |              |             |               |
| Date Analyzed:            | 11/25/02       |                 | 11/25/02       |       | 11/25/02       |       |     |             |              |             |               |
| Data File ID:             | 25NOV005.D     |                 | 25NOV003.D     |       | 25NOV004.D     |       |     |             |              |             |               |
| Analyst Initials:         | SC             |                 | SC             |       | SC             |       |     |             |              |             |               |
| Dilution Factor:          | 1.0            |                 | 1.0            |       | 1.0            |       |     |             |              |             |               |
|                           |                |                 |                |       |                |       |     |             |              |             |               |
| ANALYTE                   | Result<br>ppbv | Spike<br>Amount | Result<br>ppbv | % Rec | Result<br>ppbv | % Rec | RPD | Low<br>%Rec | High<br>%Rec | Max.<br>RPD | Pass/<br>Fail |
| 1,1-Dichloroethene        | 0.0            | 10.0            | 9.8            | 98    | 9.4            | 94    | 4.1 | 70          | 130          | 25          | Pass          |
| Methylene Chloride        | 0.0            | 10.0            | 9.2            | 92    | 8.9            | 89    | 3.7 | 70          | 130          | 25          | Pass          |
| Trichloroethene           | 0.0            | 10.0            | 10.5           | 105   | 10.2           | 102   | 2.6 | 70          | 130          | 25          | Pass          |
| Toluene                   | 0.0            | 10.0            | 8.8            | 88    | 8.7            | 87    | 0.6 | 70          | 130          | 25          | Pass          |
| 1,1,2,2-Tetrachloroethane | 0.0            | 10.0            | 7.7            | 77    | 7.8            | 78    | 1.5 | 70          | 130          | 25          | Pass          |

RPD = Relative Percent Difference

Reviewed/Approved By:



Mark Johnson

Air Toxics Operations Manager

Date: 12-4-02

The cover letter is an integral part of this analytical report



**Operation, Maintenance and Monitoring Report  
December 2002**

**NOW Corporation Site  
Site 3-14-008**

**Work Assignment No.  
D003821-29**

RECEIVED  
FEB 3 2003  
REGIONAL OFFICE  
ALBANY, NEW YORK

Prepared for:



**SUPERFUND STANDBY PROGRAM  
New York State  
Department of Environmental Conservation  
625 Broadway  
Albany, New York 12233**

Prepared by:

Earth Tech of New York, Inc.  
40 British American Boulevard  
Latham, New York 12110

January 30, 2003

Mr. Saiban Mahamooth  
NYSDEC Region 3  
21 South Putt Corners Road  
New Paltz, New York 12561

Re: NOW Corporation - Site #3-14-008  
Monthly Summary Report – “December” 2002

Dear Mr. Mahamooth:

Enclosed is a monthly summary report for the operation, monitoring and maintenance of the groundwater treatment system at the NOW Corporation site in the Town of Clinton, New York. This report covers the operation, maintenance and monitoring of the vapor extraction system and the groundwater pump and treatment system for a four-week reporting period (November 22 – December 20, 2002).

Telephone

518.951.2200

Facsimile

518.951.2300

The system was online and operational for the duration of the reporting period. Approximately 465,100 gallons of water were treated during the period. Discharge from the treatment system averaged approximately 16,611 gallons per day. According to flow meter readings, nearly all of the treated effluent was discharged to Crum Elbow Creek; a small volume (1272 gallons) was injected into the bedrock aquifer, via well IW-1. These values may not be accurate, because it is likely that the bedrock aquifer can accept more of the flow. As of the last day of the reporting period, a total of 26,793,000 gallons of groundwater had been recovered and treated by the system since it became operational.

Table 1 summarizes influent and effluent data for samples collected on December 20, 2002. All effluent discharge requirements were met. Table 2 summarizes the operation and maintenance data. Table 3 summarizes monitoring well water-level data. Table 4 summarizes the vapor extraction system air sampling data, as well as the air-stripper emissions (sample PAS). A copy of the laboratory reports is attached.

Earth Tech made two site visits to conduct the required system inspections, maintenance and monthly sampling. On December 6, the system was intentionally shut down for a brief period while technicians dismantled the air stripper, cleaned out the accumulated scale, and drilled out the holes in the stripper trays (the holes had become partially plugged with mineral deposits). The system was then restarted, and the stripper air intake was reset. Besides collecting air and water samples on December 20<sup>th</sup>, technicians increased the discharge on all three submersible pumps, and greased the air stripper blower motor bearings. The propane building heater is not working; a call for repair has been made to Kingston Oil Service Company.

Page 2  
Mr. Saiban Mahamooth  
NYSDEC Region 3

Please feel free to contact me at (518) 951-2262 if you have any questions regarding either this report, or the operation of the treatment system.

Sincerely,



Stephen R. Choiniere  
Project Manager

Attachments

**Table 1**  
**Summary of Influent and Effluent Data**  
**Sampling Date: December 20, 2002**  
**NOW Corporation Site**  
**Town of Clinton, New York**

| Analytes/<br>Parameters  | Total<br>Influent | Effluent    | Recovery Wells |             |           | Treatment<br>Requirements |                |
|--------------------------|-------------------|-------------|----------------|-------------|-----------|---------------------------|----------------|
|                          |                   |             | TW-1           | TW-2A       | TW-3      | (units)                   |                |
| Flow                     |                   | 16,611      |                |             |           | Monitor                   | gpd            |
| pH                       | 6.5               | 7.1         | NA             | NA          | NA        | 6.5 to 8.5                | standard units |
| TSS                      | <b>2.0</b>        | <1          | NA             | NA          | NA        | 50                        | mg/L           |
| TDS                      | <b>280</b>        | <b>258</b>  | NA             | NA          | NA        | 1000                      | mg/L           |
| Oil and Grease           | <1.0              | <1.0        | NA             | NA          | NA        | 15                        | mg/L           |
| Cyanide                  | <0.01             | <0.01       | NA             | NA          | NA        | 0.01                      | mg/L           |
| Zinc                     | <0.01             | <0.01       | NA             | NA          | NA        | 0.15                      | mg/L           |
| Aluminum, Total          | <0.1              | <0.1        | NA             | NA          | NA        | 2                         | mg/L           |
| Arsenic, Total           | <0.005            | <0.005      | NA             | NA          | NA        | 0.05                      | mg/L           |
| Barium, Total            | <b>0.07</b>       | <b>0.07</b> | NA             | NA          | NA        | 2                         | mg/L           |
| Copper                   | <0.005            | <0.005      | NA             | NA          | NA        | 0.024                     | mg/L           |
| Chromium                 | <0.005            | <0.005      | NA             | NA          | NA        | 0.1                       | mg/L           |
| Iron                     | <0.05             | <0.05       | NA             | NA          | NA        | 0.6                       | mg/L           |
| Manganese                | <b>0.1</b>        | <b>0.07</b> | NA             | NA          | NA        | 0.6                       | mg/L           |
| Mercury                  | <0.0004           | <0.0004     | NA             | NA          | NA        | 0.0008                    | mg/L           |
| Nickel                   | <0.05             | <0.05       | NA             | NA          | NA        | 0.2                       | mg/L           |
| Benzene                  | <5                | <0.5        | <5             | <5          | <5        | 0.8                       | ug/L           |
| Chlorobenzene            | <5                | <0.5        | <5             | <5          | <5        | 5                         | ug/L           |
| Chloroethane             | <10               | <0.5        | <10            | <10         | <10       | 5                         | ug/L           |
| 1,1-Dichloroethane       | <b>380</b>        | <0.5        | <b>89</b>      | <b>220</b>  | <b>27</b> | 5                         | ug/L           |
| 1,2-Dichloroethane       | <5                | <0.5        | <5             | <5          | <5        | 1.6                       | ug/L           |
| cis-1,2-Dichloroethene   | <b>11</b>         | <0.5        | <b>11</b>      | <b>15</b>   | <5        | 5                         | ug/L           |
| trans-1,2-Dichloroethene | <5                | <0.5        | <5             | <5          | <5        | 5                         | ug/L           |
| 1,1-Dichloroethene       | <b>9.2</b>        | <0.5        | <b>11</b>      | <b>16</b>   | <5        | 0.5                       | ug/L           |
| Ethylbenzene             | <5                | <0.5        | <5             | <5          | <5        | 5                         | ug/L           |
| Tetrachloroethene        | <5                | <0.5        | <5             | <5          | <5        | 1.4                       | ug/L           |
| Toluene                  | <5                | <0.5        | <5             | <5          | <5        | 5                         | ug/L           |
| 1,1,1-Trichloroethane    | <b>380</b>        | <0.5        | <b>48</b>      | <b>1400</b> | <b>14</b> | 5                         | ug/L           |
| 1,1,2-Trichloroethane    | <5                | <0.5        | <5             | <5          | <5        | 1.2                       | ug/L           |
| Trichloroethene          | <b>230</b>        | <0.5        | <b>120</b>     | <b>670</b>  | <b>22</b> | 5                         | ug/L           |
| Vinyl Chloride           | <10               | <0.5        | <10            | <10         | <10       | 2                         | ug/L           |
| 1,2- and 1,4-Xylenes     | <5                | <0.5        | <5             | <5          | <5        | 10                        | ug/L           |
| 1,3-Xylene               | <5                | <0.5        | <5             | <5          | <5        | 5                         | ug/L           |

*Notes:*

- 1) Positive results are presented in **bold** typeface. Numeric values are in units shown in far right column.
- 2) Boxed in **bold** denotes exceedance of treatment requirements.
- 3) NA indicates not analyzed for the indicated analyte.
- 4) "J" indicates an estimated concentration below the method detection limit.

**Table 2**  
**Summary of December 2002 O&M Data**

**NOW Corporation Site**  
**Town of Clinton, New York**

| <b>Instrumentation/Readings:</b>           | <b>12/20/02</b> | <b>Units</b>            |
|--------------------------------------------|-----------------|-------------------------|
| <b><i>TW-1</i></b>                         |                 |                         |
| Pumping Rate                               | 6               | GPM                     |
| Water Level Above Transducer               | 58.56           | feet                    |
| Flow Meter Reading                         | 9,412,600       | gallons                 |
| Pump Pressure                              | 75              | psi                     |
| <b><i>TW-2A</i></b>                        |                 |                         |
| Pumping Rate                               | 9               | GPM                     |
| Water Level Above Transducer               | 68.4            | feet                    |
| Flow Meter Reading                         | 5,868,100       | gallons                 |
| Pump Pressure                              | 52              | psi                     |
| <b><i>TW-3</i></b>                         |                 |                         |
| Pumping Rate                               | 4               | GPM                     |
| Water Level Above Transducer               | 66.4            | feet                    |
| Flow Meter Reading                         | 6,109,900       | gallons                 |
| Pump Pressure                              | 82              | psi                     |
| <b><i>Air Stripper</i></b>                 |                 |                         |
| Stripper Blower Pressure                   | 18.5            | inches H <sub>2</sub> O |
| Air Temperature in Stripper                | 52              | °F                      |
| Pressure Gauge - Left Leg                  | 1.3             | inches H <sub>2</sub> O |
| Pressure Gauge - Right Leg                 | 0.9             | inches H <sub>2</sub> O |
| Pressure/Vacuum on the Stripper            | -               | inches H <sub>2</sub> O |
| <b><i>Sand Filter</i></b>                  |                 |                         |
| Influent Pressure                          | 9               | psi                     |
| Effluent Pressure                          | 8               | psi                     |
| <i>Differential Pressure Across Filter</i> | 1               | psi                     |
| <b><i>Effluent Flow</i></b>                |                 |                         |
| Total System Meter Reading                 | 26,793,000      | gallons                 |
| IW-1 Flow Meter Reading                    | 1,313,195       | gallons                 |
| IW-2 Flow Meter Reading                    | 1,748,748       | gallons                 |
| <b><i>Vapor Extraction System</i></b>      |                 |                         |
| Vapor Blower Vacuum                        | 11.5            | inches Hg               |
| Vacuum before Filter with Dilution Air     | 11.0            | inches Hg               |
| Vacuum on Knock-out Pot                    | 14.5            | inches Hg               |
| Blower Inlet Temperature                   | 68              | °F                      |
| Blower Outlet Temperature                  | 70              | °F                      |
| Pressure After Blower                      | 38              | psi                     |
| Heat Exchanger Outlet Temperature          | 218             | °F                      |

*Note: N/A indicates Not Available.*

*NW - Not working*

**Table 3**  
**December 2002 Groundwater Levels**

**NOW Corporation Site**  
**Town of Clinton, New York**

| Well ID | MP<br>Elevation | 12/20/02                        |              |
|---------|-----------------|---------------------------------|--------------|
|         |                 | Depth to Water<br>(Ft below MP) | GW Elevation |
| MW-1    | 289.50          | 9.27                            | 280.23       |
| MW-2    | 332.51          | 24.77                           | 307.74       |
| MW-3    | 312.83          | 23.18                           | 289.65       |
| MW-3S   | 312.51          | 20.18                           | 292.33       |
| MW-4    | 298.29          | 20.48                           | 277.81       |
| MW-4D   | 298.16          | 20.29                           | 277.87       |
| MW-5    | 285.48          | 17.55                           | 267.93       |
| MW-6S   | 287.90          | 3.89                            | 284.01       |
| MW-6D   | 287.25          | 6.23                            | 281.02       |
| MW-7S   | 292.12          | 16.65                           | 275.47       |
| MW-7D   | 292.54          | 32.08                           | 260.46       |
| OW-1    | 307.75          | 39.29                           | 268.46       |
| OW-2    | 305.96          | 55.2                            | 250.76       |
| OW-6    | 294.81          | 3.56                            | 291.25       |
| IW-1    | 312.46          | 8.87                            | 303.59       |
| IW-2    | 306.56          | 3                               | 303.56       |
| MW-8    | 283.65          | N/A                             | N/A          |
| MW-9    | 275.37          | N/A                             | N/A          |
| MW-10   | 280.92          | N/A                             | N/A          |
| MW-11   | 283.72          | N/A                             | N/A          |
| OW-3    | 307.35          | N/A                             | N/A          |
| OW-4    | 308.30          | N/A                             | N/A          |
| OW-5    | 307.41          | N/A                             | N/A          |
| TW-2    | 290.52          | N/A                             | N/A          |

*Note: N/A indicates Not Available.*  
*MP denotes measuring point.*



**Table 4**  
**Groundwater Treatment System Air Sampling Data**  
**Sampling Date: December 20, 2002**  
**NOW Corporation Site**  
**Town of Clinton, New York**

| Analyte                | TW-1VE  |     | VE-1VE  |     | VE-2VE  |     | TW-2AVE |     | ST-1    |     | PAS     |     | SVE-EXH |     | ST-4    |     |
|------------------------|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|
|                        | Results | RL  | Results | RL  | Results | RL  | Results | RL  | Results | RL  | Results | RL  | Results | RL  | Results | RL  |
| Vinyl Chloride         | ND      | 1.0 | ND      | 1.0 | ND      | 1.0 | ND      | 1.0 | ND      | 1.0 | ND      | 4.0 | ND      | 1.0 | ND      | 1.0 |
| Chloroethane           | ND      | 1.0 | ND      | 1.0 | ND      | 1.0 | ND      | 1.0 | ND      | 1.0 | ND      | 4.0 | ND      | 1.0 | ND      | 1.0 |
| 1,1-Dichloroethene     | ND      | 1.0 | ND      | 1.0 | ND      | 1.0 | ND      | 1.0 | ND      | 1.0 | 15.0    | 4.0 | 1.2     | 1.0 | ND      | 1.0 |
| 1,1-Dichloroethane     | ND      | 1.0 | ND      | 1.0 | 1.1     | 1.0 | 1.4     | 1.0 | 3.1     | 1.0 | 155.0   | 4.0 | 2.7     | 1.0 | ND      | 1.0 |
| cis-1,2-Dichloroethene | ND      | 1.0 | ND      | 1.0 | ND      | 1.0 | ND      | 1.0 | ND      | 1.0 | 9.2     | 4.0 | ND      | 1.0 | ND      | 1.0 |
| 1,1,1-Trichloroethane  | 5.3     | 1.0 | 5.5     | 1.0 | 6.6     | 1.0 | 7.5     | 1.0 | 14.0    | 1.0 | 479.0   | 4.0 | 5.7     | 1.0 | ND      | 1.0 |
| Benzene                | ND      | 1.0 | ND      | 1.0 | ND      | 1.0 | ND      | 1.0 | ND      | 1.0 | ND      | 4.0 | ND      | 1.0 | ND      | 1.0 |
| 1,2-Dichloroethane     | ND      | 1.0 | ND      | 1.0 | ND      | 1.0 | ND      | 1.0 | ND      | 1.0 | ND      | 4.0 | ND      | 1.0 | ND      | 1.0 |
| Trichloroethene        | 14.0    | 1.0 | 14.0    | 1.0 | 15.0    | 1.0 | 17.0    | 1.0 | 24.0    | 1.0 | 214.0   | 4.0 | ND      | 1.0 | ND      | 1.0 |
| Toluene                | 4.4     | 1.0 | 2.5     | 1.0 | 4.6     | 1.0 | 2.6     | 1.0 | 2.4     | 1.0 | ND      | 4.0 | 1.9     | 1.0 | 2.0     | 1.0 |
| 1,1,2-Trichloroethane  | ND      | 1.0 | ND      | 1.0 | ND      | 1.0 | ND      | 1.0 | ND      | 1.0 | ND      | 4.0 | ND      | 1.0 | ND      | 1.0 |
| Tetrachloroethene      | ND      | 1.0 | ND      | 1.0 | ND      | 1.0 | ND      | 1.0 | ND      | 1.0 | 71.0    | 4.0 | ND      | 1.0 | ND      | 1.0 |
| Chlorobenzene          | ND      | 1.0 | ND      | 1.0 | ND      | 1.0 | ND      | 1.0 | ND      | 1.0 | ND      | 4.0 | ND      | 1.0 | ND      | 1.0 |
| Ethylbenzene           | ND      | 1.0 | ND      | 1.0 | ND      | 1.0 | ND      | 1.0 | ND      | 1.0 | ND      | 4.0 | ND      | 1.0 | ND      | 1.0 |
| p&m-Xylene             | 1.2     | 1.0 | 1.0     | 1.0 | 1.2     | 1.0 | ND      | 1.0 | 1.0     | 1.0 | ND      | 4.0 | ND      | 1.0 | ND      | 1.0 |
| o-Xylene               | ND      | 1.0 | ND      | 1.0 | ND      | 1.0 | ND      | 1.0 | ND      | 1.0 | ND      | 4.0 | ND      | 1.0 | ND      | 1.0 |

**Notes:**

- 1) All results are reported in ppbv.
- 2) Positive results are presented in **bold typeface**.
- 3) ND indicates Not Detected (Below RL).
- 4) RL = Reporting Limit

**Sample IDs:**

TW-1VE = Well TW-1 Dual-Phase Vapor Extraction  
TW-2AVE = Well TW-2A Dual-Phase Vapor Extraction  
VE-1VE = Well VE-1 Vapor Extraction  
VE-2VE = Well VE-2 Vapor Extraction  
ST-1 = Sampling Tap #1 (Raw; Four Vapor Extraction Wells Combined)  
SVE-EXH = Intermediate Sampling Tap, Between (2) 55-gal. drum carbon adsorbers  
ST-4 = Sampling Tap #4 (Final, After 2nd Carbon Adsorber)  
PAS = Air-stripper stack emissions



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LABORATORY REPORT

for

Earth Tech, Inc.  
40 British American Blvd.  
Latham, NY 12110

Attention: Keith Decker

PJ:55849.02

Report date: 01/03/03  
Number of samples analyzed: 6  
AES Project ID: 021220 S  
Invoice #: 250843

ELAP ID#: 10709

AIHA ID#: 100307  
Page

1



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CLIENT: Earth Tech, Inc.  
CLIENT'S SAMPLE ID: EFF. 12/02  
AES sample #: 021220 S01

Samples taken by: R. Gray  
MATRIX: Water

Date Sampled: 12/20/02  
Date sample received: 12/20/02  
Location: Now Corp.  
grab

| <u>PARAMETER PERFORMED</u> | <u>METHOD</u> | <u>RESULT</u> | <u>UNITS</u> | <u>NOTEBOOK REF</u> | <u>TEST DATE</u> |
|----------------------------|---------------|---------------|--------------|---------------------|------------------|
| Total Suspended Solids     | EPA-160.2     | <1            | mg/l         | JK-J-07             | 12/24/02         |
| Total Dissolved Solids     | SW-846        | 258           | mg/l         | LS-J-06             | 12/23/02         |
| Oil & Grease               | EPA-9070      | <1            | mg/l         | JK-G-28             | 12/31/02         |
| Cyanide, Total             | EPA-9012      | <0.01         | mg/l         | PL-L                | 12/31/02         |
| Zinc                       | EPA-6010      | <0.01         | mg/l         | SM-I-4E-94          | 12/31/02         |
| Aluminum                   | EPA-6010      | <0.1          | mg/l         | SM-I-4E-94          | 12/31/02         |
| Arsenic                    | EPA-6010      | <0.005        | mg/l         | SM-I-4E-94          | 12/31/02         |
| Barium                     | EPA-6010      | 0.07          | mg/l         | SM-I-4E-94          | 12/31/02         |
| Copper                     | EPA-6010      | <0.005        | mg/l         | SM-I-4E-94          | 12/31/02         |
| Chromium                   | EPA-6010      | <0.005        | mg/l         | SM-I-4E-94          | 12/31/02         |
| Iron                       | EPA-6010      | <0.05         | mg/l         | SM-I-4E-94          | 12/31/02         |
| Manganese                  | EPA-6010      | 0.07          | mg/l         | SM-I-4E-94          | 12/31/02         |
| Mercury                    | EPA-7471      | <0.0004       | mg/l         | KH-HG-C-19          | 12/26/02         |
| Nickel                     | EPA-6010      | <0.05         | mg/l         | SM-I-4E-94          | 12/31/02         |
| Benzene                    | EPA-8260      | <0.5          | ug/l         | MG-SAT-F18          | 12/30/02         |
| Chlorobenzene              | EPA-8260      | <0.5          | ug/l         | MG-SAT-F18          | 12/30/02         |
| Chloroethane               | EPA-8260      | <0.5          | ug/l         | MG-SAT-F18          | 12/30/02         |
| 1,1-Dichloroethane         | EPA-8260      | <0.5          | ug/l         | MG-SAT-F18          | 12/30/02         |
| 1,2-Dichloroethane         | EPA-8260      | <0.5          | ug/l         | MG-SAT-F18          | 12/30/02         |
| cis-1,2-Dichloroethene     | EPA-8260      | <0.5          | ug/l         | MG-SAT-F18          | 12/30/02         |



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CLIENT: Earth Tech, Inc.

CLIENT'S SAMPLE ID: EFF. 12/02

AES sample #: 021220 S01

Samples taken by: R. Gray

MATRIX: Water

Date Sampled: 12/20/02

Date sample received: 12/20/02

Location: Now Corp.

grab

continued:

| <u>PARAMETER PERFORMED</u> | <u>METHOD</u> | <u>RESULT</u> | <u>UNITS</u> | <u>NOTEBOOK REF</u> | <u>TEST DATE</u> |
|----------------------------|---------------|---------------|--------------|---------------------|------------------|
| trans-1,2-Dichloroethene   | EPA-8260      | <0.5          | ug/l         | MG-SAT-F18          | 12/30/02         |
| 1,1-Dichloroethene         | EPA-8260      | <0.5          | ug/l         | MG-SAT-F18          | 12/30/02         |
| Ethylbenzene               | EPA-8260      | <0.5          | ug/l         | MG-SAT-F18          | 12/30/02         |
| Tetrachloroethene          | EPA-8260      | <0.5          | ug/l         | MG-SAT-F18          | 12/30/02         |
| Toluene                    | EPA-8260      | <0.5          | ug/l         | MG-SAT-F18          | 12/30/02         |
| 1,1,1-Trichloroethane      | EPA-8260      | <0.5          | ug/l         | MG-SAT-F18          | 12/30/02         |
| 1,1,2-Trichloroethane      | EPA-8260      | <0.5          | ug/l         | MG-SAT-F18          | 12/30/02         |
| Trichloroethene            | EPA-8260      | <0.5          | ug/l         | MG-SAT-F18          | 12/30/02         |
| Vinyl Chloride             | EPA-8260      | <0.5          | ug/l         | MG-SAT-F18          | 12/30/02         |
| m,p-Xylene                 | EPA-8260      | <0.5          | ug/l         | MG-SAT-F18          | 12/30/02         |
| o-Xylene                   | EPA-8260      | <0.5          | ug/l         | MG-SAT-F18          | 12/30/02         |



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CLIENT: Earth Tech, Inc.  
CLIENT'S SAMPLE ID: INF. 12/02  
AES sample #: 021220 S02

Samples taken by: R. Gray  
MATRIX: Water

Date Sampled: 12/20/02  
Date sample received: 12/20/02  
Location: Now Corp.  
grab

| <u>PARAMETER PERFORMED</u> | <u>METHOD</u> | <u>RESULT</u> | <u>UNITS</u> | <u>NOTEBOOK REF</u> | <u>TEST DATE</u> |
|----------------------------|---------------|---------------|--------------|---------------------|------------------|
| Total Suspended Solids     | EPA-160.2     | 2.0           | mg/l         | JK-J-07             | 12/24/02         |
| Total Dissolved Solids     | SW-846        | 280           | mg/l         | LS-J-06             | 12/23/02         |
| Oil & Grease               | EPA-9070      | <1            | mg/l         | JK-G-28             | 12/31/02         |
| Cyanide, Total             | EPA-9012      | <0.01         | mg/l         | PL-L                | 12/31/02         |
| Zinc                       | EPA-6010      | <0.01         | mg/l         | SM-I-4I-94          | 12/31/02         |
| Aluminum                   | EPA-6010      | <0.1          | mg/l         | SM-I-4I-94          | 12/31/02         |
| Arsenic                    | EPA-6010      | <0.005        | mg/l         | SM-I-4I-94          | 12/31/02         |
| Barium                     | EPA-6010      | 0.07          | mg/l         | SM-I-4I-94          | 12/31/02         |
| Copper                     | EPA-6010      | <0.005        | mg/l         | SM-I-4I-94          | 12/31/02         |
| Chromium                   | EPA-6010      | <0.005        | mg/l         | SM-I-4I-94          | 12/31/02         |
| Iron                       | EPA-6010      | <0.05         | mg/l         | SM-I-4I-94          | 12/31/02         |
| Manganese                  | EPA-6010      | 0.10          | mg/l         | SM-I-4I-94          | 12/31/02         |
| Mercury                    | EPA-7471      | <0.0004       | mg/l         | KH-HG-C-19          | 12/26/02         |
| Nickel                     | EPA-6010      | <0.05         | mg/l         | SM-I-4I-94          | 12/31/02         |
| Benzene                    | EPA-8260      | <5            | ug/l         | MG-SAT-F18          | 12/30/02         |
| Chlorobenzene              | EPA-8260      | <5            | ug/l         | MG-SAT-F18          | 12/30/02         |
| Chloroethane               | EPA-8260      | <10           | ug/l         | MG-SAT-F18          | 12/30/02         |
| 1,1-Dichloroethane         | EPA-8260      | 380           | ug/l         | MG-SAT-F18          | 12/30/02         |
| 1,2-Dichloroethane         | EPA-8260      | <5            | ug/l         | MG-SAT-F18          | 12/30/02         |
| cis-1,2-Dichloroethene     | EPA-8260      | 11            | ug/l         | MG-SAT-F18          | 12/30/02         |



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CLIENT: Earth Tech, Inc.

CLIENT'S SAMPLE ID: INF. 12/02

AES sample #: 021220 S02

Samples taken by: R. Gray

MATRIX: Water

Date Sampled: 12/20/02

Date sample received: 12/20/02

Location: Now Corp.  
grab

continued:

| <u>PARAMETER PERFORMED</u> | <u>METHOD</u> | <u>RESULT</u> | <u>UNITS</u> | <u>NOTEBOOK REF</u> | <u>TEST DATE</u> |
|----------------------------|---------------|---------------|--------------|---------------------|------------------|
| trans-1,2-Dichloroethene   | EPA-8260      | <5            | ug/l         | MG-SAT-F18          | 12/30/02         |
| 1,1-Dichloroethene         | EPA-8260      | 9.2           | ug/l         | MG-SAT-F18          | 12/30/02         |
| Ethylbenzene               | EPA-8260      | <5            | ug/l         | MG-SAT-F18          | 12/30/02         |
| Tetrachloroethene          | EPA-8260      | <5            | ug/l         | MG-SAT-F18          | 12/30/02         |
| Toluene                    | EPA-8260      | <5            | ug/l         | MG-SAT-F18          | 12/30/02         |
| 1,1,1-Trichloroethane      | EPA-8260      | 380           | ug/l         | MG-SAT-F18          | 12/30/02         |
| 1,1,2-Trichloroethane      | EPA-8260      | <5            | ug/l         | MG-SAT-F18          | 12/30/02         |
| Trichloroethene            | EPA-8260      | 230           | ug/l         | MG-SAT-F18          | 12/30/02         |
| Vinyl Chloride             | EPA-8260      | <10           | ug/l         | MG-SAT-F18          | 12/30/02         |
| m,p-Xylene                 | EPA-8260      | <5            | ug/l         | MG-SAT-F18          | 12/30/02         |
| o-Xylene                   | EPA-8260      | <5            | ug/l         | MG-SAT-F18          | 12/30/02         |



Experience is the solution

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CLIENT: Earth Tech, Inc.  
CLIENT'S SAMPLE ID: TW-1  
AES sample #: 021220 S03

Samples taken by: R. Gray  
MATRIX: Water

Date Sampled: 12/20/02  
Date sample received: 12/20/02  
Location: Now Corp.  
grab

| <u>PARAMETER PERFORMED</u> | <u>METHOD</u> | <u>RESULT</u> | <u>UNITS</u> | <u>NOTEBOOK REF</u> | <u>TEST DATE</u> |
|----------------------------|---------------|---------------|--------------|---------------------|------------------|
| Benzene                    | EPA-8260      | <5            | ug/l         | MG-SAT-F18          | 12/30/02         |
| Chlorobenzene              | EPA-8260      | <5            | ug/l         | MG-SAT-F18          | 12/30/02         |
| Chloroethane               | EPA-8260      | <10           | ug/l         | MG-SAT-F18          | 12/30/02         |
| 1,1-Dichloroethane         | EPA-8260      | 89            | ug/l         | MG-SAT-F18          | 12/30/02         |
| 1,2-Dichloroethane         | EPA-8260      | <5            | ug/l         | MG-SAT-F18          | 12/30/02         |
| cis-1,2-Dichloroethene     | EPA-8260      | 11            | ug/l         | MG-SAT-F18          | 12/30/02         |
| trans-1,2-Dichloroethene   | EPA-8260      | <5            | ug/l         | MG-SAT-F18          | 12/30/02         |
| 1,1-Dichloroethene         | EPA-8260      | 11            | ug/l         | MG-SAT-F18          | 12/30/02         |
| Ethylbenzene               | EPA-8260      | <5            | ug/l         | MG-SAT-F18          | 12/30/02         |
| Tetrachloroethene          | EPA-8260      | <5            | ug/l         | MG-SAT-F18          | 12/30/02         |
| Toluene                    | EPA-8260      | <5            | ug/l         | MG-SAT-F18          | 12/30/02         |
| 1,1,1-Trichloroethane      | EPA-8260      | 48            | ug/l         | MG-SAT-F18          | 12/30/02         |
| 1,1,2-Trichloroethane      | EPA-8260      | <5            | ug/l         | MG-SAT-F18          | 12/30/02         |
| Trichloroethene            | EPA-8260      | 120           | ug/l         | MG-SAT-F18          | 12/30/02         |
| Vinyl Chloride             | EPA-8260      | <10           | ug/l         | MG-SAT-F18          | 12/30/02         |
| m,p-Xylene                 | EPA-8260      | <5            | ug/l         | MG-SAT-F18          | 12/30/02         |
| o-Xylene                   | EPA-8260      | <5            | ug/l         | MG-SAT-F18          | 12/30/02         |



Experience is the solution

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CLIENT: Earth Tech, Inc.  
CLIENT'S SAMPLE ID: TW-2A  
AES sample #: 021220 S04

Samples taken by: R. Gray  
MATRIX: Water

Date Sampled: 12/20/02  
Date sample received: 12/20/02  
Location: Now Corp.  
grab

| <u>PARAMETER PERFORMED</u> | <u>METHOD</u> | <u>RESULT</u> | <u>UNITS</u> | <u>NOTEBOOK REF</u> | <u>TEST DATE</u> |
|----------------------------|---------------|---------------|--------------|---------------------|------------------|
| Benzene                    | EPA-8260      | <5            | ug/l         | MG-SAT-F18          | 12/30/02         |
| Chlorobenzene              | EPA-8260      | <5            | ug/l         | MG-SAT-F18          | 12/30/02         |
| Chloroethane               | EPA-8260      | <10           | ug/l         | MG-SAT-F18          | 12/30/02         |
| 1,1-Dichloroethane         | EPA-8260      | 220           | ug/l         | MG-SAT-F18          | 12/30/02         |
| 1,2-Dichloroethane         | EPA-8260      | <5            | ug/l         | MG-SAT-F18          | 12/30/02         |
| cis-1,2-Dichloroethene     | EPA-8260      | 15            | ug/l         | MG-SAT-F18          | 12/30/02         |
| trans-1,2-Dichloroethene   | EPA-8260      | <5            | ug/l         | MG-SAT-F18          | 12/30/02         |
| 1,1-Dichloroethene         | EPA-8260      | 16            | ug/l         | MG-SAT-F18          | 12/30/02         |
| Ethylbenzene               | EPA-8260      | <5            | ug/l         | MG-SAT-F18          | 12/30/02         |
| Tetrachloroethene          | EPA-8260      | <5            | ug/l         | MG-SAT-F18          | 12/30/02         |
| Toluene                    | EPA-8260      | <5            | ug/l         | MG-SAT-F18          | 12/30/02         |
| 1,1,1-Trichloroethane      | EPA-8260      | 1400          | ug/l         | MG-SAT-F18          | 12/30/02         |
| 1,1,2-Trichloroethane      | EPA-8260      | <5            | ug/l         | MG-SAT-F18          | 12/30/02         |
| Trichloroethene            | EPA-8260      | 670           | ug/l         | MG-SAT-F18          | 12/30/02         |
| Vinyl Chloride             | EPA-8260      | <10           | ug/l         | MG-SAT-F18          | 12/30/02         |
| m,p-Xylene                 | EPA-8260      | <5            | ug/l         | MG-SAT-F18          | 12/30/02         |
| o-Xylene                   | EPA-8260      | <5            | ug/l         | MG-SAT-F18          | 12/30/02         |





Experience is the solution

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CLIENT: Earth Tech, Inc.  
CLIENT'S SAMPLE ID: TW-3  
AES sample #: 021220 S05

Samples taken by: R. Gray  
MATRIX: Water

Date Sampled: 12/20/02  
Date sample received: 12/20/02  
Location: Now Corp.  
grab

| <u>PARAMETER PERFORMED</u> | <u>METHOD</u> | <u>RESULT</u> | <u>UNITS</u> | <u>NOTEBOOK REF</u> | <u>TEST DATE</u> |
|----------------------------|---------------|---------------|--------------|---------------------|------------------|
| Benzene                    | EPA-8260      | <5            | ug/l         | MG-SAT-F18          | 12/30/02         |
| Chlorobenzene              | EPA-8260      | <5            | ug/l         | MG-SAT-F18          | 12/30/02         |
| Chloroethane               | EPA-8260      | <10           | ug/l         | MG-SAT-F18          | 12/30/02         |
| 1,1-Dichloroethane         | EPA-8260      | 27            | ug/l         | MG-SAT-F18          | 12/30/02         |
| 1,2-Dichloroethane         | EPA-8260      | <5            | ug/l         | MG-SAT-F18          | 12/30/02         |
| cis-1,2-Dichloroethene     | EPA-8260      | <5            | ug/l         | MG-SAT-F18          | 12/30/02         |
| trans-1,2-Dichloroethene   | EPA-8260      | <5            | ug/l         | MG-SAT-F18          | 12/30/02         |
| 1,1-Dichloroethene         | EPA-8260      | <5            | ug/l         | MG-SAT-F18          | 12/30/02         |
| Ethylbenzene               | EPA-8260      | <5            | ug/l         | MG-SAT-F18          | 12/30/02         |
| Tetrachloroethene          | EPA-8260      | <5            | ug/l         | MG-SAT-F18          | 12/30/02         |
| Toluene                    | EPA-8260      | <5            | ug/l         | MG-SAT-F18          | 12/30/02         |
| 1,1,1-Trichloroethane      | EPA-8260      | 14            | ug/l         | MG-SAT-F18          | 12/30/02         |
| 1,1,2-Trichloroethane      | EPA-8260      | <5            | ug/l         | MG-SAT-F18          | 12/30/02         |
| Trichloroethene            | EPA-8260      | 22            | ug/l         | MG-SAT-F18          | 12/30/02         |
| Vinyl Chloride             | EPA-8260      | <10           | ug/l         | MG-SAT-F18          | 12/30/02         |
| m,p-Xylene                 | EPA-8260      | <5            | ug/l         | MG-SAT-F18          | 12/30/02         |
| o-Xylene                   | EPA-8260      | <5            | ug/l         | MG-SAT-F18          | 12/30/02         |



Experience is the solution

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CLIENT: Earth Tech, Inc.  
CLIENT'S SAMPLE ID: Trip Blank  
AES sample #: 021220 S06

Samples taken by: R. Gray  
MATRIX: Water

Date Sampled: 12/20/02  
Date sample received: 12/20/02  
Location: Now Corp.  
grab

| <u>PARAMETER PERFORMED</u> | <u>METHOD</u> | <u>RESULT</u> | <u>UNITS</u> | <u>NOTEBOOK REF</u> | <u>TEST DATE</u> |
|----------------------------|---------------|---------------|--------------|---------------------|------------------|
| Benzene                    | EPA-8260      | <0.5          | ug/l         | MG-SAT-F18          | 12/30/02         |
| Chlorobenzene              | EPA-8260      | <0.5          | ug/l         | MG-SAT-F18          | 12/30/02         |
| Chloroethane               | EPA-8260      | <0.5          | ug/l         | MG-SAT-F18          | 12/30/02         |
| 1,1-Dichloroethane         | EPA-8260      | <0.5          | ug/l         | MG-SAT-F18          | 12/30/02         |
| 1,2-Dichloroethane         | EPA-8260      | <0.5          | ug/l         | MG-SAT-F18          | 12/30/02         |
| cis-1,2-Dichloroethene     | EPA-8260      | <0.5          | ug/l         | MG-SAT-F18          | 12/30/02         |
| trans-1,2-Dichloroethene   | EPA-8260      | <0.5          | ug/l         | MG-SAT-F18          | 12/30/02         |
| 1,1-Dichloroethene         | EPA-8260      | <0.5          | ug/l         | MG-SAT-F18          | 12/30/02         |
| Ethylbenzene               | EPA-8260      | <0.5          | ug/l         | MG-SAT-F18          | 12/30/02         |
| Tetrachloroethene          | EPA-8260      | <0.5          | ug/l         | MG-SAT-F18          | 12/30/02         |
| Toluene                    | EPA-8260      | <0.5          | ug/l         | MG-SAT-F18          | 12/30/02         |
| 1,1,1-Trichloroethane      | EPA-8260      | <0.5          | ug/l         | MG-SAT-F18          | 12/30/02         |
| 1,1,2-Trichloroethane      | EPA-8260      | <0.5          | ug/l         | MG-SAT-F18          | 12/30/02         |
| Trichloroethene            | EPA-8260      | <0.5          | ug/l         | MG-SAT-F18          | 12/30/02         |
| Vinyl Chloride             | EPA-8260      | <0.5          | ug/l         | MG-SAT-F18          | 12/30/02         |
| m,p-Xylene                 | EPA-8260      | <0.5          | ug/l         | MG-SAT-F18          | 12/30/02         |
| o-Xylene                   | EPA-8260      | <0.5          | ug/l         | MG-SAT-F18          | 12/30/02         |

APPROVED BY:

Report date: 01/03/03



E A R T H T E C H

A **tyco** INTERNATIONAL LTD. COMPANY

| Project Number<br>55849.02                                                                         |                                         | Project Name/Client<br>EARTH TECH |       | Custody Seal #                                                                                                            |       | Earth Tech Cooler #        |              |
|----------------------------------------------------------------------------------------------------|-----------------------------------------|-----------------------------------|-------|---------------------------------------------------------------------------------------------------------------------------|-------|----------------------------|--------------|
| Sample Custodian: (Signature)<br><i>Roger Hay</i>                                                  |                                         | NOW CORP.                         |       | Analysis Required                                                                                                         |       | Matrix                     |              |
| Item                                                                                               | Sample Description<br>(Field ID Number) | Date                              | Time  | Grab                                                                                                                      | Comp. | PID Reading<br>(ppm)       | Label Number |
| 1                                                                                                  | EFF                                     | 12/02                             | 10:10 | X                                                                                                                         |       |                            |              |
| 2                                                                                                  |                                         |                                   | 10:05 |                                                                                                                           |       |                            |              |
| 3                                                                                                  |                                         |                                   | 10:10 |                                                                                                                           |       |                            |              |
| 4                                                                                                  |                                         |                                   | 10:15 |                                                                                                                           |       |                            |              |
| 5                                                                                                  |                                         |                                   | 10:20 |                                                                                                                           |       |                            |              |
| 6                                                                                                  | INF                                     | 12/02                             | 10:30 |                                                                                                                           |       |                            |              |
| 7                                                                                                  |                                         |                                   | 10:35 |                                                                                                                           |       |                            |              |
| 8                                                                                                  |                                         |                                   | 10:40 |                                                                                                                           |       |                            |              |
| 9                                                                                                  |                                         |                                   | 10:45 |                                                                                                                           |       |                            |              |
| 10                                                                                                 |                                         |                                   | 10:50 |                                                                                                                           |       |                            |              |
| 11                                                                                                 | TW-1                                    |                                   | 11:00 |                                                                                                                           |       |                            |              |
| 12                                                                                                 | TW-2A                                   |                                   | 11:05 |                                                                                                                           |       |                            |              |
| 13                                                                                                 | TW-3                                    |                                   | 11:10 |                                                                                                                           |       |                            |              |
| 14                                                                                                 | TRIP BLANK                              |                                   |       |                                                                                                                           |       |                            |              |
| 15                                                                                                 |                                         |                                   |       |                                                                                                                           |       |                            |              |
| 16                                                                                                 |                                         |                                   |       |                                                                                                                           |       |                            |              |
| 17                                                                                                 |                                         |                                   |       |                                                                                                                           |       |                            |              |
| 18                                                                                                 |                                         |                                   |       |                                                                                                                           |       |                            |              |
| Relinquished by: (Signature)<br><i>Roger Hay</i>                                                   |                                         | Date / Time<br>12-02 11:10        |       | Received by: (Signature)<br><i>Patricia A. Lugo</i>                                                                       |       | Date / Time<br>12-02 11:10 |              |
| Relinquished by: (Signature)                                                                       |                                         | Date / Time                       |       | Received by: (Signature)                                                                                                  |       | Date / Time                |              |
| Send Lab Results To: KEITH DECKER<br>EARTH TECH<br>40 BRITISH AMERICAN BLVD.<br>LATHAM, N.Y. 12110 |                                         |                                   |       | Remarks:                                                                                                                  |       |                            |              |
| Federal Express Airbill No.:                                                                       |                                         |                                   |       | Check Delivery Method:<br><input type="checkbox"/> Samples delivered in person<br><input type="checkbox"/> Common carrier |       |                            |              |
| Laboratory Receiving Notes:                                                                        |                                         |                                   |       | Custody Seal Intact?<br>Temp. of Shipping Container:<br>Sample Condition:                                                 |       |                            |              |

White Copy - Lab      Yellow Copy - File      Pink Copy - Client

01/07/2003

JAN 13 2003

Earth Tech  
ATTN: Steve Choinere  
40 British American Blvd.  
Latham, NY 12110

Project Reference: NOW Corp., 55849.02  
Lab Number: A2122301-01/08

Enclosed are results for sample(s) received 12/23/02 by Air Technology Laboratories. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

**Report Narrative:**

Sample analyses were performed within method performance criteria.  
All results are reported without qualifications.

Results were faxed to Steve Choinere on 1/07/03.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,



Mark Johnson  
Operations Manager  
mark@atlglobal.com

Enclosures

**Note:** The cover letter is an integral part of this analytical report.



Client: EarthTech  
Attn: Steve Choiniere

Page 1 of 1

Client's Project: NOW CORP., 55849.02  
Date Received: 12/23/02  
Matrix: Air  
Units: ppbv

| EPA Method TO14       |     |              |     |              |     |              |     |               |     |             |     |
|-----------------------|-----|--------------|-----|--------------|-----|--------------|-----|---------------|-----|-------------|-----|
| Lab No:               |     | A2122301-01  |     | A2122301-02  |     | A2122301-03  |     | A2122301-04   |     | A2122301-05 |     |
| Client Sample I.D.:   |     | TW-1VE 12/02 |     | VE-1VE 12/02 |     | VE-2VE 12/02 |     | TW-2AVE 12/02 |     | ST-1 12/02  |     |
| Date Sampled:         |     | 12/20/02     |     | 12/20/02     |     | 12/20/02     |     | 12/20/02      |     | 12/20/02    |     |
| Date Analyzed:        |     | 12/23/02     |     | 12/23/02     |     | 12/23/02     |     | 12/23/02      |     | 12/23/02    |     |
| QC Batch No:          |     | 021223MS2A1  |     | 021223MS2A1  |     | 021223MS2A1  |     | 021223MS2A1   |     | 021223MS2A1 |     |
| Analyst Initials:     |     | SC           |     | SC           |     | SC           |     | SC            |     | SC          |     |
| Dilution Factor:      |     | 1.0          |     | 1.0          |     | 1.0          |     | 1.0           |     | 1.0         |     |
| ANALYTE               | PQL | Result       | RL  | Result       | RL  | Result       | RL  | Result        | RL  | Result      | RL  |
| Vinyl Chloride        | 1.0 | ND           | 1.0 | ND           | 1.0 | ND           | 1.0 | ND            | 1.0 | ND          | 1.0 |
| Chloroethane          | 1.0 | ND           | 1.0 | ND           | 1.0 | ND           | 1.0 | ND            | 1.0 | ND          | 1.0 |
| 1,1-Dichloroethene    | 1.0 | ND           | 1.0 | ND           | 1.0 | ND           | 1.0 | ND            | 1.0 | ND          | 1.0 |
| 1,1-Dichloroethane    | 1.0 | ND           | 1.0 | ND           | 1.0 | 1.1          | 1.0 | 1.4           | 1.0 | 3.1         | 1.0 |
| c-1,2-Dichloroethene  | 1.0 | ND           | 1.0 | ND           | 1.0 | ND           | 1.0 | ND            | 1.0 | ND          | 1.0 |
| 1,1,1-Trichloroethane | 1.0 | 5.3          | 1.0 | 5.5          | 1.0 | 6.6          | 1.0 | 7.5           | 1.0 | 14          | 1.0 |
| Benzene               | 1.0 | ND           | 1.0 | ND           | 1.0 | ND           | 1.0 | ND            | 1.0 | ND          | 1.0 |
| 1,2-Dichloroethane    | 1.0 | ND           | 1.0 | ND           | 1.0 | ND           | 1.0 | ND            | 1.0 | ND          | 1.0 |
| Trichloroethene       | 1.0 | 14           | 1.0 | 14           | 1.0 | 15           | 1.0 | 17            | 1.0 | 24          | 1.0 |
| Toluene               | 1.0 | 4.4          | 1.0 | 2.5          | 1.0 | 4.6          | 1.0 | 2.6           | 1.0 | 2.4         | 1.0 |
| 1,1,2-Trichloroethane | 1.0 | ND           | 1.0 | ND           | 1.0 | ND           | 1.0 | ND            | 1.0 | ND          | 1.0 |
| Tetrachloroethene     | 1.0 | ND           | 1.0 | ND           | 1.0 | ND           | 1.0 | ND            | 1.0 | ND          | 1.0 |
| Chlorobenzene         | 1.0 | ND           | 1.0 | ND           | 1.0 | ND           | 1.0 | ND            | 1.0 | ND          | 1.0 |
| Ethylbenzene          | 1.0 | ND           | 1.0 | ND           | 1.0 | ND           | 1.0 | ND            | 1.0 | ND          | 1.0 |
| p,&m-Xylene           | 1.0 | 1.2          | 1.0 | 1.0          | 1.0 | 1.2          | 1.0 | ND            | 1.0 | 1.0         | 1.0 |
| o-Xylene              | 1.0 | ND           | 1.0 | ND           | 1.0 | ND           | 1.0 | ND            | 1.0 | ND          | 1.0 |

PQL = Practical Quantitation Limit

ND= Not Detected (below RL)

RL = PQL X Dilution Factor

Reviewed/Approved By:



Mark Johnson  
Air Toxics Operations Manager

Date 1-7-03

The cover letter is an integral part of this analytical report



Client: EarthTech  
Attn: Steve Choiniere

Page 1 of 1

Client's Project: NOW CORP., 55849.02  
Date Received: 12/23/02  
Matrix: Air  
Units: ppbv

EPA Method TO14

|                       |             |               |             |        |     |
|-----------------------|-------------|---------------|-------------|--------|-----|
| Lab No:               | A2122301-06 | A2122301-07   | A2122301-08 |        |     |
| Client Sample I.D.:   | PAS 12/02   | SVE-EXH 12/02 | ST-4 12/02  |        |     |
| Date Sampled:         | 12/20/02    | 12/20/02      | 12/20/02    |        |     |
| Date Analyzed:        | 12/23/02    | 12/23/02      | 12/23/02    |        |     |
| QC Batch No:          | 021223MS2A1 | 021223MS2A1   | 021223MS2A1 |        |     |
| Analyst Initials:     | SC          | SC            | SC          |        |     |
| Dilution Factor:      | 4.0         | 1.0           | 1.0         |        |     |
| ANALYTE               | PQL         | Result        | RL          | Result | RL  |
| Vinyl Chloride        | 1.0         | ND            | 4.0         | ND     | 1.0 |
| Chloroethane          | 1.0         | ND            | 4.0         | ND     | 1.0 |
| 1,1-Dichloroethene    | 1.0         | 15            | 4.0         | 1.2    | 1.0 |
| 1,1-Dichloroethane    | 1.0         | 155           | 4.0         | 2.7    | 1.0 |
| c-1,2-Dichloroethene  | 1.0         | 9.2           | 4.0         | ND     | 1.0 |
| 1,1,1-Trichloroethane | 1.0         | 479           | 4.0         | 5.7    | 1.0 |
| Benzene               | 1.0         | ND            | 4.0         | ND     | 1.0 |
| 1,2-Dichloroethane    | 1.0         | ND            | 4.0         | ND     | 1.0 |
| Trichloroethene       | 1.0         | 214           | 4.0         | ND     | 1.0 |
| Toluene               | 1.0         | ND            | 4.0         | 1.9    | 1.0 |
| 1,1,2-Trichloroethane | 1.0         | ND            | 4.0         | ND     | 1.0 |
| Tetrachloroethene     | 1.0         | 71            | 4.0         | ND     | 1.0 |
| Chlorobenzene         | 1.0         | ND            | 4.0         | ND     | 1.0 |
| Ethylbenzene          | 1.0         | ND            | 4.0         | ND     | 1.0 |
| p,&m-Xylene           | 1.0         | ND            | 4.0         | ND     | 1.0 |
| o-Xylene              | 1.0         | ND            | 4.0         | ND     | 1.0 |

PQL = Practical Quantitation Limit

ND= Not Detected (below RL)

RL = PQL X Dilution Factor

Reviewed/Approved By:



Mark Johnson

Air Toxics Operations Manager

Date 1-7-03

The cover letter is an integral part of this analytical report





12-30-01

Chain of Custody Record



| Project Number<br>55849.02                  |                                      | Project Name/Client<br>EARTH TECH NOW CORP               |       | Earth Tech Cooler # |       |
|---------------------------------------------|--------------------------------------|----------------------------------------------------------|-------|---------------------|-------|
| Sample Custodian: (Signature)<br>Roger Gray |                                      | Analysis Required<br>(ANALYTE LIST PER 2/12/98 BID FORM) |       | Custody Seal #      |       |
| Item No.                                    | Sample Description (Field ID Number) | Date                                                     | Time  | Grab                | Comp. |
| 1                                           | Tw-1UE                               | 12/02                                                    | 11:15 | PA                  | PA    |
| 2                                           | VE-1UE                               | 12/02                                                    | 11:20 |                     |       |
| 3                                           | VE-2UE                               | 12/02                                                    | 11:35 |                     |       |
| 4                                           | Tw-2AUE                              | 12/02                                                    | 11:30 |                     |       |
| 5                                           | ST-1                                 | 12/02                                                    | 11:35 |                     |       |
| 6                                           | PAS                                  | 12/02                                                    | 11:40 |                     |       |
| 7                                           | SUE-EXH.                             | 12/02                                                    | 11:45 |                     |       |
| 8                                           | ST-4                                 | 12/02                                                    | 11:50 |                     |       |
| 9                                           |                                      |                                                          |       |                     |       |
| 10                                          |                                      |                                                          |       |                     |       |
| 11                                          |                                      |                                                          |       |                     |       |
| 12                                          |                                      |                                                          |       |                     |       |
| 13                                          |                                      |                                                          |       |                     |       |
| 14                                          |                                      |                                                          |       |                     |       |
| 15                                          |                                      |                                                          |       |                     |       |
| 16                                          |                                      |                                                          |       |                     |       |
| 17                                          |                                      |                                                          |       |                     |       |
| 18                                          |                                      |                                                          |       |                     |       |

| Relinquished by: (Signature)<br>Roger Gray                                                                                                          |  | Date / Time<br>12/02/02 12:00 | Received by: (Signature)<br>Felix                                      | Disposed of by: (Signature) |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------|------------------------------------------------------------------------|-----------------------------|
| Relinquished by: (Signature)<br>STEVE CHOMIERE <td>Date / Time</td> <td>Received by: (Signature)<br/>Felix<td>Disposed of by: (Signature)</td></td> |  | Date / Time                   | Received by: (Signature)<br>Felix <td>Disposed of by: (Signature)</td> | Disposed of by: (Signature) |

| Send Lab Results To:<br>40 BRITISH AMERICAN BLVD.<br>LATHAM, N.Y. 12110                                                                                                                                                                                                                                                           |  | Check Delivery Method:<br><input type="checkbox"/> Samples delivered in person<br><input type="checkbox"/> Common carrier                                 |  | Laboratory Receiving Notes:<br>Custody Seal Intact?<br>Temp. of Shipping Container:<br>Sample Condition: |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------|--|
| Remarks:<br>TAT: 10 BUSINESS DAYS<br>SEND ENOUGH BAGS BACK<br>WITH COOLER FOR NEXT SAMP.<br>Federal Express Airbill No.:<br>Lab: 8372-5564-2059 <td colspan="2">TAT: 10 BUSINESS DAYS<br/>SEND ENOUGH BAGS BACK<br/>WITH COOLER FOR NEXT SAMP.<br/>Federal Express Airbill No.:<br/>Lab: 8372-5564-2059<td colspan="2"></td></td> |  | TAT: 10 BUSINESS DAYS<br>SEND ENOUGH BAGS BACK<br>WITH COOLER FOR NEXT SAMP.<br>Federal Express Airbill No.:<br>Lab: 8372-5564-2059 <td colspan="2"></td> |  |                                                                                                          |  |