OCT 24 1991

91-1050

Central Vermont Public Service Corporation

October 22, 1991

Mr. Charles B. Schwer
Sites Management Section
Agency of Natural Resources
103 South Main Street - West Building
Waterbury, VT 05671-404

Dear Mr. Schwer:

On September 19, 1991 Central Vermont Public Service Corporation (CVPS) and Wehran Engineering excavated test pits at the CVPS Poultney Service Center (site # 91-1050). This investigation was conducted in compliance with the comments presented in your August 15, 1991 letter.

A total of six test pits were excavated to determine the direction of groundwater flow at the site. The enclosed site map indicates test pit locations and groundwater flow direction based upon the water surface elevation measured in each test pit. Groundwater from each test pit was scanned by headspace analysis with a PID. Excavation B-4 was the only test pit with volatile organic compounds detected by the PID (110 ppm). A water sample was taken from test pit B-4 along with samples from B-1, B-2 and B-5. The results of the EPA Method 624 analysis on the water samples are enclosed.

The water samples indicate the groundwater has not been impacted above enforcement standards. The concentrations of the three compounds detected are all well below the enforcement standards presented in table 1 of the Ground Water Protection Rule and Strategy. The impact is further minimized as local residences are supplied by municipal wells located 1.5 miles away from the site.

Based upon the site assessment and subsequent test results, CVPS requests permanent closure of this site. If you have any questions or comments, please contact me at 747-5707.

Sincerely,

John C Greenan

John C. Greenan, P.E.
Environmental Engineer

JCG:djh
Enclosures

77 Grove Street,
Rutland, Vermont 05701
802-773-2711

OCT 24 1991

#3

5-29-91

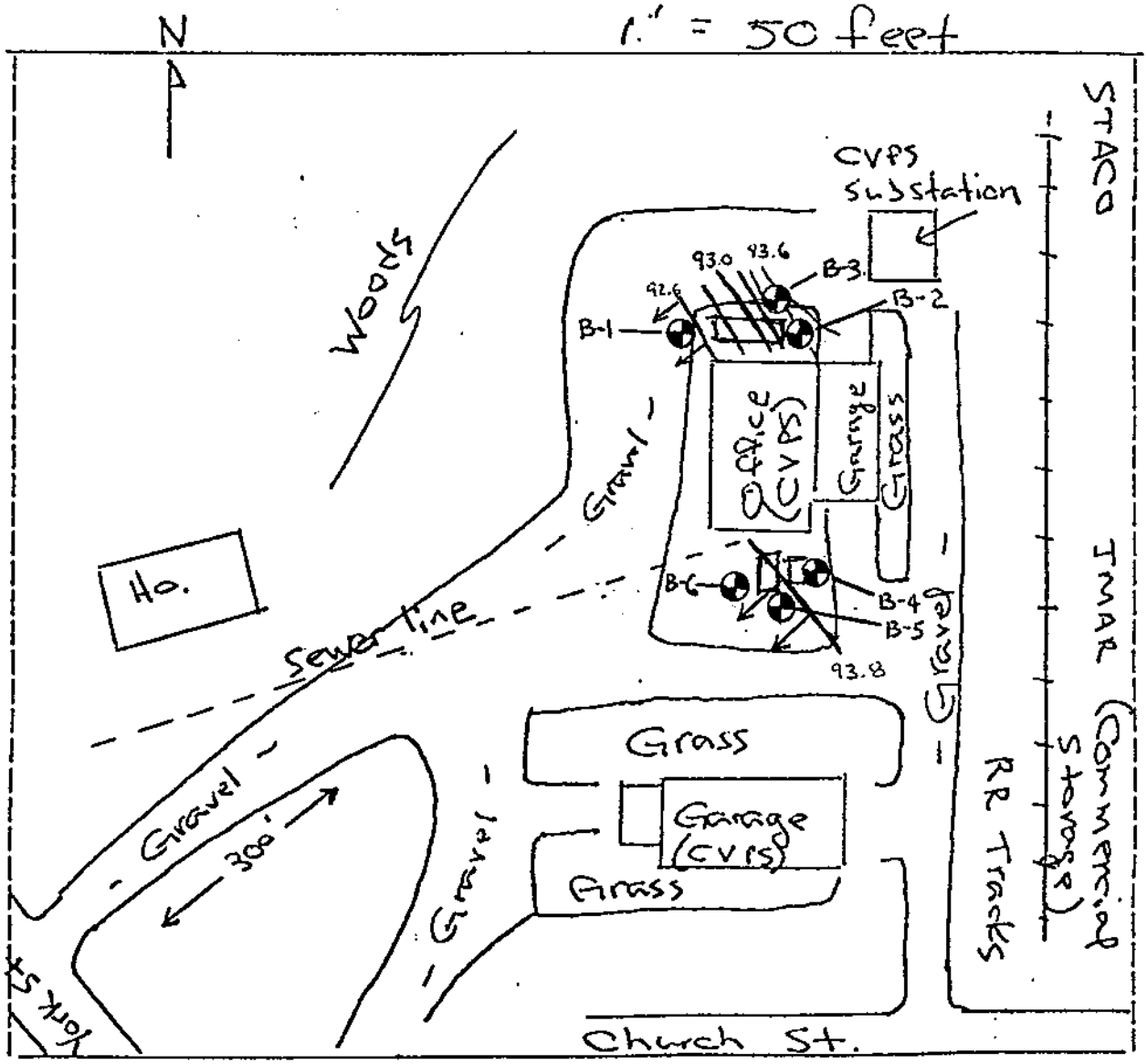
VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION
UNDERGROUND STORAGE TANK PROGRAM
SITE MAP

RECOMMENDED SCALE - 1" = 50 feet (but not smaller than 1" = 100 feet)

MAP DRAWN BY:

BUSINESS NAME WHERE TANK(S) LOCATED:

Show location of all tanks and property boundary; distance to permanent structures; monitoring wells; water wells within 500 foot radius; storm; sewer and water lines; sample points; areas of contamination and other pertinent site information. Indicate North arrow and major street names or route number.




B-# ACTUAL TEST PIT LOCATION

GROUNDWATER CONTOUR & FLOW DIRECTION
92.6

B1-B3 FORMER GAS TANK LOCATION

B4-B6 FORMER DIESEL TANKS LOCATION

NOTE: ALL ELEVATIONS REFERENCED FROM A TEMPORARY BENCHMARK

Analysis Report: EPA Method 624
(PAGE 1 OF 2 PAGES)

| | | | |
|---|---|---|---|
| Client: | Wehran, Engineering | IEA ID: | 0010-112-01 |
| Project: | 00641.02 | Sample: | B-1 |
| Report Date: | 10/08/91 | Type: | Water |
| Collected: | 09/19/91 | Container: | VOA |
| Received: | 09/20/91 | | |
| Analyzed: | 09/29/91 | Dilution | |
| By: | Barinelli | Factor: | 1 |

Priority Pollutant Compounds

| Number | Compound | PQL (ug/L) | Result (ug/L) |
|---|---|---|---|
| 1 | Benzene | 5 | BQL |
| 2 | Bromodichloromethane | 5 | BQL |
| 3 | Bromoform | 5 | BQL |
| 4 | Bromomethane | 10 | BQL |
| 5 | Carbon tetrachloride | 5 | BQL |
| 6 | Chlorobenzene | 5 | BQL |
| 7 | Chloroethane | 10 | BQL |
| 8 | 2-Chloroethylvinyl ether | 5 | BQL |
| 9 | Chloroform | 5 | BQL |
| 10 | Chloromethane | 10 | BQL |
| 11 | Dibromochloromethane | 5 | BQL |
| 12 | 1,2-Dichlorobenzene | 5 | BQL |
| 13 | 1,3-Dichlorobenzene | 5 | BQL |
| 14 | 1,4-Dichlorobenzene | 5 | BQL |
| 15 | 1,1-Dichloroethane | 5 | BQL |
| 16 | 1,2-Dichloroethane | 5 | BQL |
| 17 | 1,1-Dichloroethene | 5 | BQL |
| 18 | trans-1,2-Dichloroethene | 5 | BQL |
| 19 | 1,2-Dichloropropane | 5 | BQL |
| 20 | cis-1,3-Dichloropropene | 5 | BQL |
| 21 | trans-1,3-Dichloropropene | 5 | BQL |
| 22 | Ethylbenzene | 5 | BQL |
| 23 | Methylene chloride | 5 | BQL |
| 24 | 1,1,2,2-Tetrachloroethane | 5 | BQL |
| 25 | Tetrachloroethene | 5 | BQL |
| 26 | Toluene | 5 | BQL |
| 27 | 1,1,1-Trichloroethane | 5 | BQL |
| 28 | 1,1,2-Trichloroethane | 5 | BQL |
| 29 | Trichloroethene | 5 | BQL |
| 30 | Trichlorofluoromethane | 5 | BQL |
| 31 | Vinyl chloride | 10 | BQL |

Analysis Report: EPA Method 624


| | | | |
|---|---|---|---|
| Client: | Wehran, Engineering | IEA ID: | 0010-112-01 |
| Project: | 00641.02 | Sample: | B-1 |

Surrogate Standard Recovery:

| | |
|---|---|
| 1,2-Dichloroethane-d4 | 110 % |
| Toluene-d8 | 102 % |
| Bromofluorobenzene | 102 % |

Comments:

BQL = Below Quantitation Limit.
PQL = Practical Quantitation Limit.

Analysis Report: EPA Method 624


| | | | |
|---|---|---|---|
| Client: | Wehran, Engineering | IEA ID: | 0010-112-02 |
| Project: | 00641.02 | Sample: | B-2 |
| Report Date: | 10/08/91 | Type: | Water |
| Collected: | 09/19/91 | Container: | VOA |
| Received: | 09/20/91 | | |
| Analyzed: | 09/29/91 | Dilution | |
| By: | Barinelli | Factor: | 1 |

Priority Pollutant Compounds

| Number | Compound | PQL (ug/L) | Result (ug/L) |
|---|---|---|---|
| 1 | Benzene | 5 | BQL |
| 2 | Bromodichloromethane | 5 | BQL |
| 3 | Bromoform | 5 | BQL |
| 4 | Bromomethane | 10 | BQL |
| 5 | Carbon tetrachloride | 5 | BQL |
| 6 | Chlorobenzene | 5 | BQL |
| 7 | Chloroethane | 10 | BQL |
| 8 | 2-Chloroethylvinyl ether | 5 | BQL |
| 9 | Chloroform | 5 | BQL |
| 10 | Chloromethane | 10 | BQL |
| 11 | Dibromochloromethane | 5 | BQL |
| 12 | 1,2-Dichlorobenzene | 5 | BQL |
| 13 | 1,3-Dichlorobenzene | 5 | BQL |
| 14 | 1,4-Dichlorobenzene | 5 | BQL |
| 15 | 1,1-Dichloroethane | 5 | BQL |
| 16 | 1,2-Dichloroethane | 5 | BQL |
| 17 | 1,1-Dichloroethene | 5 | BQL |
| 18 | trans-1,2-Dichloroethene | 5 | BQL |
| 19 | 1,2-Dichloropropane | 5 | BQL |
| 20 | cis-1,3-Dichloropropene | 5 | BQL |
| 21 | trans-1,3-Dichloropropene | 5 | BQL |
| 22 | Ethylbenzene | 5 | BQL |
| 23 | Methylene chloride | 5 | BQL |
| 24 | 1,1,2,2-Tetrachloroethane | 5 | BQL |
| 25 | Tetrachloroethene | 5 | BQL |
| 26 | Toluene | 5 | BQL |
| 27 | 1,1,1-Trichloroethane | 5 | BQL |
| 28 | 1,1,2-Trichloroethane | 5 | BQL |
| 29 | Trichloroethene | 5 | BQL |
| 30 | Trichlorofluoromethane | 5 | BQL |
| 31 | Vinyl chloride | 10 | BQL |

Analysis Report: EPA Method 624


| | | | |
|---|---|---|---|
| Client: | Wehran, Engineering | IEA ID: | 0010-112-02 |
| Project: | 00641.02 | Sample: | B-2 |

Surrogate Standard Recovery:

| | |
|---|---|
| 1,2-Dichloroethane-d4 | 107 % |
| Toluene-d8 | 102 % |
| Bromofluorobenzene | 102 % |

Comments:

BQL = Below Quantitation Limit.
PQL = Practical Quantitation Limit.

Analysis Report: EPA Method 624


| | | | |
|---|---|---|---|
| Client: | Wehran, Engineering | IEA ID: | 0010-112-03 |
| Project: | 00641.02 | Sample: | B-4 |
| Report Date: | 10/08/91 | Type: | Water |
| Collected: | 09/19/91 | Container: | VOA |
| Received: | 09/20/91 | | |
| Analyzed: | 09/29/91 | Dilution | |
| By: | Barinelli | Factor: | 10 |

Priority Pollutant Compounds

| Number | Compound | PQL (ug/L) | Result (ug/L) |
|---|---|---|---|
| 1 | Benzene | 5 | BQL |
| 2 | Bromodichloromethane | 5 | BQL |
| 3 | Bromoform | 5 | BQL |
| 4 | Bromomethane | 10 | BQL |
| 5 | Carbon tetrachloride | 5 | BQL |
| 6 | Chlorobenzene | 5 | BQL |
| 7 | Chloroethane | 10 | BQL |
| 8 | 2-Chloroethylvinyl ether | 5 | BQL |
| 9 | Chloroform | 5 | BQL |
| 10 | Chloromethane | 10 | BQL |
| 11 | Dibromochloromethane | 5 | BQL |
| 12 | 1,2-Dichlorobenzene | 5 | BQL |
| 13 | 1,3-Dichlorobenzene | 5 | BQL |
| 14 | 1,4-Dichlorobenzene | 5 | BQL |
| 15 | 1,1-Dichloroethane | 5 | BQL |
| 16 | 1,2-Dichloroethane | 5 | BQL |
| 17 | 1,1-Dichloroethene | 5 | BQL |
| 18 | trans-1,2-Dichloroethene | 5 | BQL |
| 19 | 1,2-Dichloropropane | 5 | BQL |
| 20 | cis-1,3-Dichloropropene | 5 | BQL |
| 21 | trans-1,3-Dichloropropene | 5 | BQL |
| 22 | Ethylbenzene | 5 | 201 |
| 23 | Methylene chloride | 5 | BQL |
| 24 | 1,1,2,2-Tetrachloroethane | 5 | BQL |
| 25 | Tetrachloroethene | 5 | BQL |
| 26 | Toluene | 5 | 290 |
| 27 | 1,1,1-Trichloroethane | 5 | BQL |
| 28 | 1,1,2-Trichloroethane | 5 | BQL |
| 29 | Trichloroethene | 5 | BQL |
| 30 | Trichlorofluoromethane | 5 | BQL |
| 31 | Vinyl chloride | 10 | BQL |

Analysis Report: EPA Method 624
(PAGE 2 OF 2 PAGES)

| | | | |
|---|---|---|---|
| Client: | Wehran, Engineering | IEA ID: | 0010-112-03 |
| Project: | 00641.02 | Sample: | B-4 |

Surrogate Standard Recovery:

| | |
|---|---|
| 1,2-Dichloroethane-d4 | 108 % |
| Toluene-d8 | 102 % |
| Bromofluorobenzene | 103 % |

Comments:

BQL = Below Quantitation Limit.
PQL = Practical Quantitation Limit.
Quantitation limit elevated due to sample dilution prior to analysis.
Quantitation limits for this sample are obtained by multiplying the PQL by dilution factor.
Sample diluted due to high concentration of target compounds present.

Analysis Report: EPA Method 624
(PAGE 1 OF 2 PAGES)

| | | | |
|---|---|---|---|
| Client: | Wehran, Engineering | IEA ID: | 0010-112-04 |
| Project: | 00641.02 | Sample: | B-5 |
| Report Date: | 10/08/91 | Type: | Water |
| Collected: | 09/19/91 | Container: | VOA |
| Received: | 09/20/91 | | |
| Analyzed: | 09/29/91 | Dilution | |
| By: | Barinelli | Factor: | 1 |

Priority Pollutant Compounds

| Number | Compound | PQL (ug/L) | Result (ug/L) |
|---|---|---|---|
| 1 | Benzene | 5 | BQL |
| 2 | Bromodichloromethane | 5 | BQL |
| 3 | Bromoform | 5 | BQL |
| 4 | Bromomethane | 10 | BQL |
| 5 | Carbon tetrachloride | 5 | BQL |
| 6 | Chlorobenzene | 5 | BQL |
| 7 | Chloroethane | 10 | BQL |
| 8 | 2-Chloroethylvinyl ether | 5 | BQL |
| 9 | Chloroform | 5 | BQL |
| 10 | Chloromethane | 10 | BQL |
| 11 | Dibromochloromethane | 5 | BQL |
| 12 | 1,2-Dichlorobenzene | 5 | BQL |
| 13 | 1,3-Dichlorobenzene | 5 | BQL |
| 14 | 1,4-Dichlorobenzene | 5 | BQL |
| 15 | 1,1-Dichloroethane | 5 | BQL |
| 16 | 1,2-Dichloroethane | 5 | BQL |
| 17 | 1,1-Dichloroethene | 5 | BQL |
| 18 | trans-1,2-Dichloroethene | 5 | BQL |
| 19 | 1,2-Dichloropropane | 5 | BQL |
| 20 | cis-1,3-Dichloropropene | 5 | BQL |
| 21 | trans-1,3-Dichloropropene | 5 | BQL |
| 22 | Ethylbenzene | 5 | BQL |
| 23 | Methylene chloride | 5 | BQL |
| 24 | 1,1,2,2-Tetrachloroethane | 5 | BQL |
| 25 | Tetrachloroethene | 5 | BQL |
| 26 | Toluene | 5 | BQL |
| 27 | 1,1,1-Trichloroethane | 5 | 8 |
| 28 | 1,1,2-Trichloroethane | 5 | BQL |
| 29 | Trichloroethene | 5 | BQL |
| 30 | Trichlorofluoromethane | 5 | BQL |
| 31 | Vinyl chloride | 10 | BQL |

Analysis Report: EPA Method 624


| | | | |
|---|---|---|---|
| Client: | Wehran, Engineering | IEA ID: | 0010-112-04 |
| Project: | 00641.02 | Sample: | B-5 |

Surrogate Standard Recovery:

| | |
|---|---|
| 1,2-Dichloroethane-d4 | 108 % |
| Toluene-d8 | 101 % |
| Bromofluorobenzene | 104 % |

Comments:

BQL = Below Quantitation Limit.
PQL = Practical Quantitation Limit.

SEP 09 1991

Central Vermont Public Service Corporation

September 4, 1991

Charles B. Schwer, Supervisor
Sites Management Section
Agency of Natural Resources
103 South Main Street/West Building
Waterbury, Vermont 05671-404

Dear Mr. Schwer:

In accordance with your letter of August 15, 1991 and our phone conversation today, Central Vermont Public Service Corporation intends to conduct further investigation of the Poultney Service Center (Site # 91-1050) on September 19, 1991.

Wehran Engineering has recommended the excavation of test pits to further investigate the status of the former UST locations. Central Vermont Public Service Corporation is prepared to conduct this investigation with Wehran Engineering under the conditions and contingencies that you specified in your August 15, 1991 letter. Provided test pit water samples have contamination levels below enforcement standards, CVPS will request permanenet closure of this site.

If you have any questions or comments please contact me at 747-5707. If you are available, we welcome you to observe our investigation on September 19.

Sincerely,

John C Greenan

John C. Greenan, P.E.
Environmental Engineer

77 Grove Street,
Rutland, Vermont 05701
802-773-2711