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SITE INVESTIGATION REPORT

OF A PETROLEUM RELEASE

TRUE TEMPER SAWMILL
2 Maple Street
Wallingford, Vermont 05773

43°28'41" N. Lat.

72°58'42" W. Long.

SMS Site #99-2618

September 8, 2000

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2 MAPLE STREET
WALLINGFORD, VERMONT 05773
43°28'41" N. Lat., 72°58'42" W. Long.

SMS Site #99-2618

A Facility Owned By:

True Temper Hardware Corporation
465 Railroad Avenue
Camp Hill, Pennsylvania 17001-8859

Contact:

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September 8, 2000

EHS Project #H990191

TABLE OF CONTENTS

SECTION	PAGE
1.0 EXECUTIVE SUMMARY	1
2.0 BACKGROUND INFORMATION	3
2.1 Property Ownership Information	3
2.2 Site History, Location, And Description	4
2.2.1 Site Location	4
2.2.2 Physical Setting	4
2.2.3 Site History	4
2.2.4 Adjacent Property and Land Use	8
2.3 Maps	8
2.4 Receptors	11
2.5 Contaminants	11
2.6 Geology and Hydrogeology	11
2.6.1 Geology	11
2.6.2 Hydrogeology	18
3.0 DRILLING and SAMPLING PROTOCOLS	21
3.1 Hollow Stem Auger Test Boring Protocols	21
3.2 Direct Push Soil Sampling Protocols	21
3.3 Permanent Monitor Well Installation Protocols	22
3.4 Water Sampling Protocols	22
3.4.1 Collecting Water Samples from Test Borings	22
3.4.2 Collecting Water Samples from Geoprobe Holes	22
3.4.3 Collecting Water Samples from Monitor Wells	23
3.4.4 Collecting Surface Water Samples	23
3.5 Soil Gas Field Screening Protocol	23
3.6 Sample Handling and Quality Control Protocol	23
3.7 Laboratory Analytical Protocol	24
4.0 RESULTS	25
4.1 Limitations and Exceptions to the Approved Scope of Work	28
4.2 Field Screening Results	28
4.2.1 PID Readings	28
4.2.2 Basement Investigation	29
4.2.3 Free Product	30
4.3 Laboratory Analytical Results	31
4.3.1 Soils	31
4.3.2 Ground Water	34
4.3.3 Surface Water	38
5.0 RISK ASSESSMENT	39
6.0 INTERPRETATIONS and CONCLUSIONS	41
6.1 Area of Contamination	41

6.2 Contaminant Fate and Transport 41
6.3 Conclusions 46

7.0 REFERENCES 47

EXHIBITS

EXHIBIT A WORK PLAN

EXHIBIT B AERIAL PHOTOGRAPHS
SANBORN MAPS
CHAIN-OF-TITLE SUMMARY

EXHIBIT C DOCUMENTATION OF OIL FINGERPRINT AND AGE

EXHIBIT D SURVEY MAP
MAP OF WALLINGFORD FIRE DISTRICT
MAP OF WALLINGFORD SOURCE PROTECTION AREA

EXHIBIT E SOIL SURVEY OF RUTLAND COUNTY INFORMATION

EXHIBIT F TEST BORING LOGS
AS-BUILT DIAGRAMS
WELL DEVELOPMENT FORMS

EXHIBIT G VERMONT WELL COMPLETION REPORTS
AND BASIC WELL DATA FORMS

EXHIBIT H MFG, INC. WATER LEVEL DOCUMENTATION

EXHIBIT I SAMPLING LOGS AND CHAIN-OF-CUSTODY FORMS

EXHIBIT J LABORATORY ANALYTICAL REPORT

EXHIBIT K MFG LABORATORY ANALYTICAL REPORTS (partial)

EXHIBIT L RISK ASSESSMENT REPORT AND CALCULATIONS

FIGURES

FIGURE 1 Site Location Map

FIGURE 2 Facility Map

FIGURE 3 Sampling Locations

FIGURE 4 Water Table Map

FIGURE 5 Cross-Section, OPH-N to MW-6

FIGURE 6 Cross-Section, OPH-A to MW-7

FIGURE 7 Cross-Section, OPH-D to OPH-V

TABLES

TABLE 1 Owner Information

TABLE 2 Bedrock Units of the Champlain Valley Sequence (Thompson, 1967)

TABLE 3 Depth-to-Water Measurements and Ground-Water Table Elevations

TABLE 4 Analysis Methods Used

TABLE 5 Summary of Work Performed/Samples Collected, Wallingford Sawmill - Expressway Investigation and Related Prior Investigations

TABLE 6 PID Readings of Test Hole Samples

TABLE 7 PID Readings of Basement Wall Holes Sept.'99

TABLE 8 Test Holes with Free Product

TABLE 9 Presence/Absence and Thickness of Free-Phase Product in Monitor Wells

TABLE 10 Soil Analytical Results for February and March 1999

TABLE 11 Soil Analytical Results for May 1999

TABLE 12 Soil Analytical Results for September 1999

TABLE 13 Ground Water Analytical Results for February and March

TABLE 14 Ground Water Analytical Results for May 1999

TABLE 15 Ground Water Analytical Results for Sept.16, 1999

TABLE 16 Water Analytical Results for Surface Water

1.0 EXECUTIVE SUMMARY

As part of the sale of the True Temper Division, the Huffy Corporation agreed to investigate a number of areas at the Wallingford, Vermont mill, one of which was the area around a former oil pump house, tanks, and piping system. This area was investigated for the potential of contamination of subsurface soils from former site activities, including former unloading operations and former storage tanks containing petroleum products. The initial investigations of the former oil pump house area, conducted in February 1999, March 1999 and May 1999, disclosed the presence of elevated concentrations of total petroleum hydrocarbons and related compounds in the soils and ground water in the vicinity of a tank formerly used for oil storage (the "Release"). The subsequent Site Investigation of the facility was conducted by EHS Technology Group, LLC (EHS) to develop sufficient information to determine if there is a need for site corrective action. Except as set forth below (Section 4.1), all work was carried out in accordance with the scope of work prepared by EHS, and approved by the Vermont Department of Environmental Conservation (VtDEC). A copy of this Work Plan is included in Exhibit A.

To achieve the objectives:

- Historical information was collected;
- The potential source of the Release was investigated;
- Test holes were advanced to determine the full extent of the Release;
- Soil and water samples were collected to characterize the geology and hydrogeology, and to determine the concentration of contaminants, if any at the sample sites; and
- The fate, transport, and migration of petroleum in the soil, soil gasses and ground water were determined.

EHS's initial screening investigations (February 1999) discovered petroleum in the subsurface soils around the former oil pump house, underground storage tank, and piping systems which are on the middle of the east side of the facility. By visual observation, there were no areas with any significant oil contamination on or near the surface. Several rounds of samples were collected at greater distances away from the area of the former oil pump house, tanks and piping system. In total, soil and/or ground-water samples were collected from twenty-three test holes (see Figure 3 of this report). Seven monitor wells were installed and sampled to determine the impact of the petroleum contaminated soil on ground-water quality. These test holes and wells were also used to characterize the hydrogeology of the Site.

The Expressway investigation yielded the following results, findings and recommendations:

- Soil contamination by the released oil was found in an area to the northeast and southwest of the UST, from about 7 to 10 feet below grade. During the 1999 investigations, there has been no more than a sheen of free product observed in monitor wells in this plume area. In February 2000, a free-product layer approximately one inch thick was found in one monitor well (MW-2) located near the center of the release site, but after water levels rose in March, 2000, this free-product layer was no longer evident.

- Ground-water flow is toward the northwest, through layers of sand and gravel.

- A culverted mill race runs under the length of the facility. This concrete structure can act as a barrier to the Light Non Aqueous Phase Liquid (LNAPL) contaminant. There have been no significant concentrations of dissolved contaminants found in monitor wells down gradient of the culverted mill race.

- No organic vapors were detected in nearby basements.

- Surrounding residents are all on city water.

- The qualitative risk assessment indicates that maximum concentrations of contaminants in the soil and ground water are within an order of magnitude of the applicable Vermont risk-based standards.

2.0 BACKGROUND INFORMATION

2.1 Property Ownership Information

The following information documents the owners and operators of the Site and the adjacent properties.

Table 1 Owner Information

	Contact	Address	Phone Number
Site Owner			
True Temper Hardware Corp.	Noreen M. Fierro (Edwards & Angell, LLP)	51 John F. Kennedy Parkway Short Hills, NJ 07078	973-376-7700
Site Operator			
True Temper Hardware Corp.	Noreen M. Fierro (Edwards & Angell, LLP)	2 Maple Street Wallingford, VT 05773	802-446-2601
Adjacent Land Owners			
Vermont Railway, Inc.	Lisa Cota	1 Railway Lane Burlington, VT 05401	802-658-2550
Wallingford Fire District # 1	Rose Regula (Mon. - Thurs.) John Perry (Friday only)	Town Hall Scholl St. Wallingford, VT 05773	802-446-2964 802-446-2105
Town of Wallingford	Town Administrator	Town Hall, Scholl St. Wallingford, VT 05773	802-446-2872
Derek & Holly Carrara	Derek Carrara	Wallingford, VT 05773	802-446-2336
Francis & Dorthy Shaw	Francis Shaw	Wallingford, VT 05773	802-446-2669
Paul & Anna Thompson	Paul Thompson	Wallingford, VT 05773	no listing found
Raymond & Bernice Tanner	Raymond Tanner	Wallingford, VT 05773	802-259-2913

2.2 Site History, Location, And Description

2.2.1 Site Location

This TTHC facility is located at 2 Maple Street in the village of Wallingford, Rutland County, Vermont at 43°28' 41" north latitude 72°58' 42" west longitude (determined by interpolation from a USGS topographic quadrangle map) (the "Site" or subject property). The general site location is shown in Figure 1. The area investigated is located on the northeast corner of Maple Street and Creek Road, and is approximately 11 acres in size (see Figure 2).

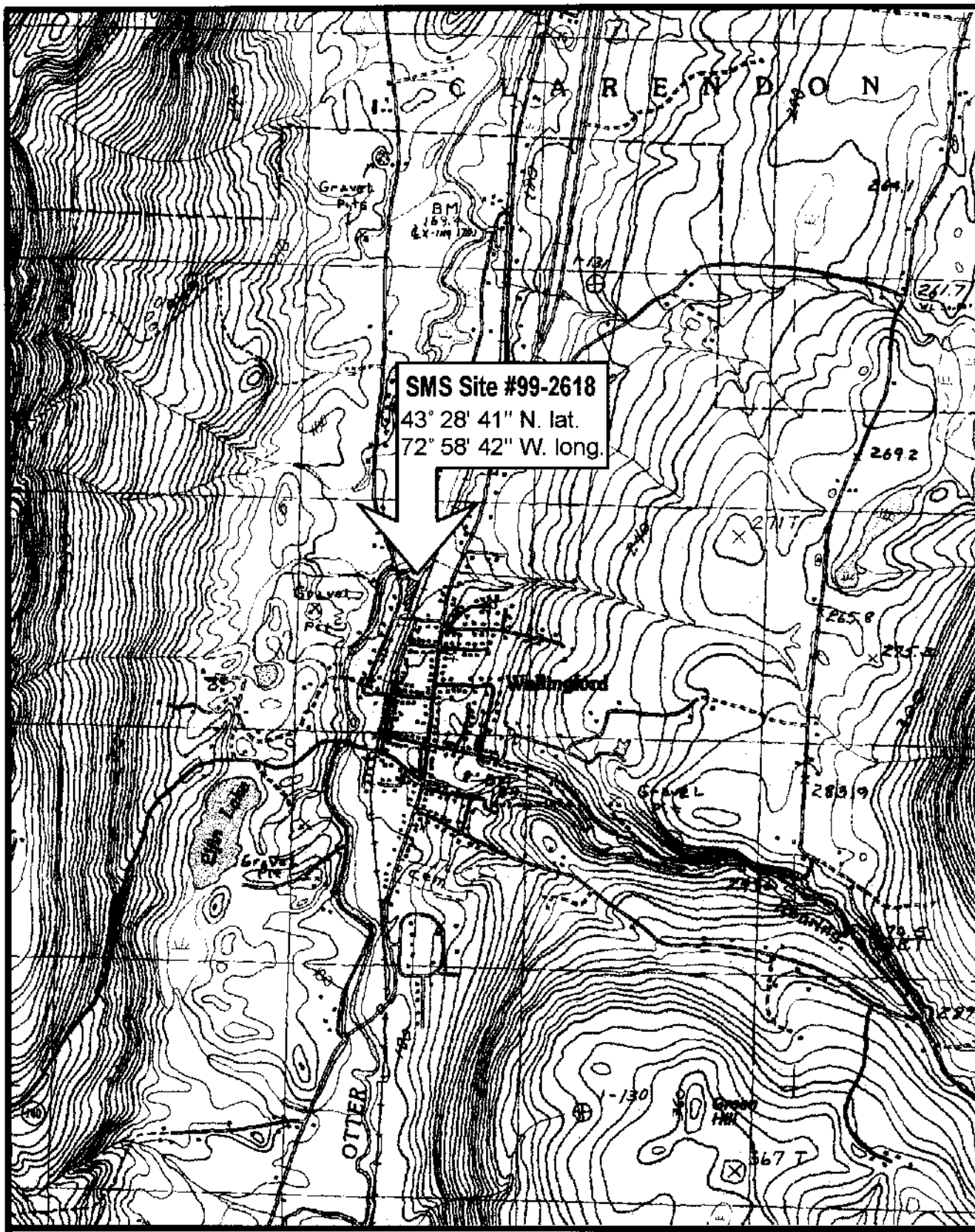
2.2.2 Physical Setting

The Site is in the valley of Otter Creek, between two mountain ridges. The topography of the Site slopes gently to the northwest. The elevation of the Site ranges from about 555 feet above mean sea level (MSL) on the southeastern corner, to about 545 feet MSL along Otter Creek at the northwest side of the property. Nearby mountain ridges rise over a thousand feet above the valley bottom where this Site is located. Drainage from the Site is directly to Otter Creek, or to the mill race and then to Otter Creek.

The Site includes a number of older, multi and single story, connected, mostly brick buildings and several out-buildings with a total of about 56,000 square feet. Most of the rest of the developed portion of the subject property is gravel-covered driveways, parking lots and log storage areas. The far north end of the property is covered by trees and brush. Some of the water from the creek was diverted into a mill race, part of which is in a culvert that runs under the buildings and the log storage area. The mill race was constructed to provide water power for the mill. The culvert in which the mill race flows was probably originally constructed of cut stone and mortar, but was later mostly replaced with poured concrete (through the release area). Direct observations of the millrace interior were made as part of this investigation, in September 1999. Water levels within the millrace were approximately 4 ½ feet deep, and were consistent with the water level in Otter Creek and to the observed level of the ground-water table. There was approximately 2 ½ feet of air space above the water surface in the millrace from the northern discharge point, southward through the plant for several hundred feet. At the site where the millrace passed beneath the on-site building, and at locations farther to the south, the ceiling of the millrace was the floor slab of the building, and was approximately 12 to 13 feet above the concrete floor of the millrace. The culverted section discharges into an open channel north of the plant and continues for about a mile before returning to the main stream.

2.2.3 Site History

The site history developed in this section is based on review of aerial photographs, the 1938 and 1946 Sanborn Fire Insurance Maps of the True Temper facility, Factory Insurance Association maps of 1967 and 1979 and on title information obtained from the County Recorder's Office in Rutland County. Copies of relevant historical information and data sources are attached as Exhibit B.



VERMONT

N

Contour Interval 6 meters (20 feet)

Approximate Scale in Feet

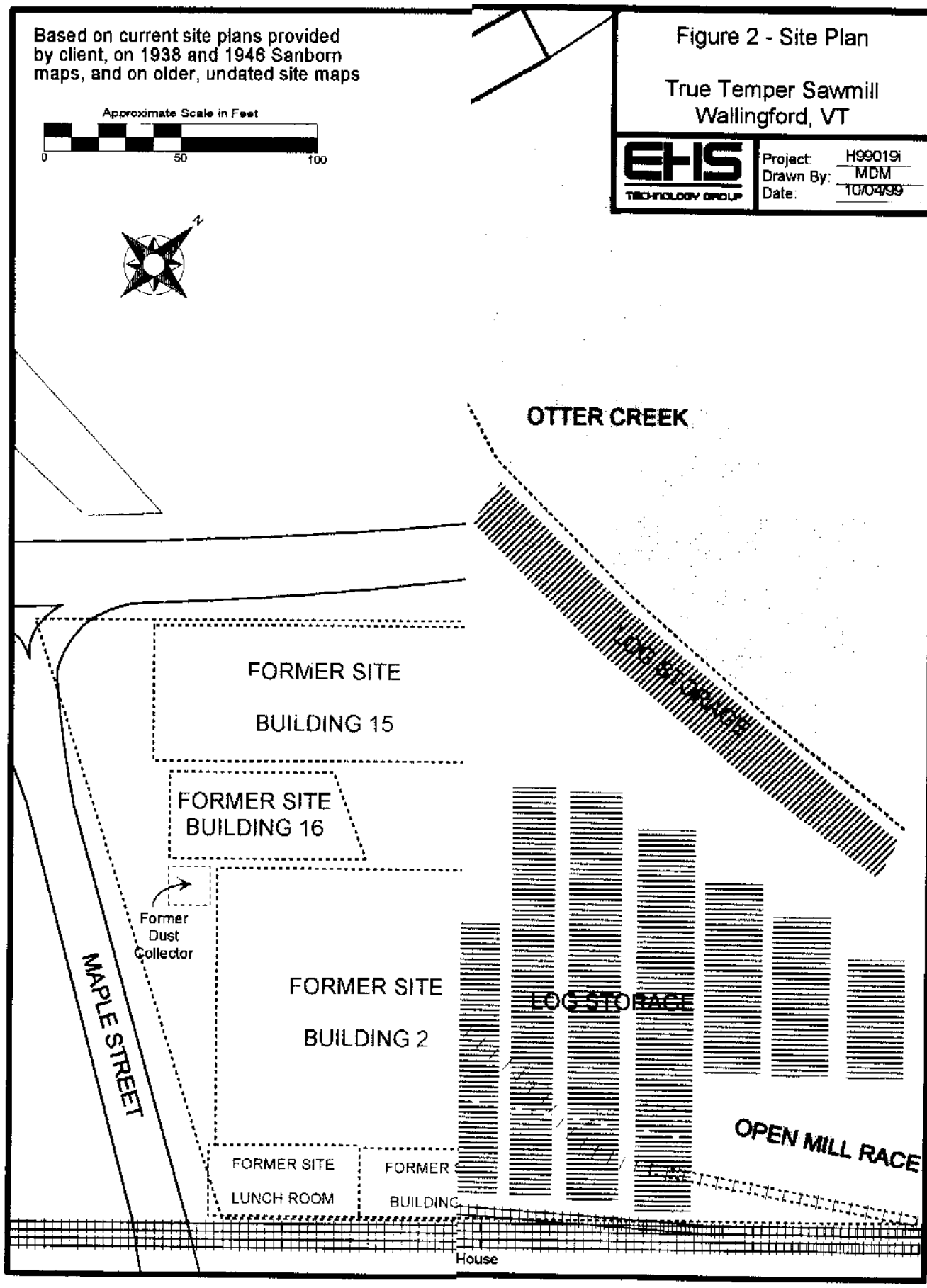
0 2000 4000 6000

Reference: Wallingford, VT Quadrangle
USGS 7.5 Minute Series (Topographic)
1986 Provisional Edition - DRG format

Figure 1 - SITE LOCATION
True Temper Sawmill
Wallingford, VT

EHS TECHNOLOGY GROUP

Project: H99019f
Drawn By: JMC
Date : 04/09/99


Based on current site plans provided by client, on 1938 and 1946 Sanborn maps, and on older, undated site maps
Approximate Scale in Feet
0
50
100
N
Figure 2 - Site Plan
True Temper Sawmill
Wallingford, VT
EHS
TECHNOLOGY GROUP
Project: H99019i
Drawn By: MDM
Date: 10/04/99
OTTER CREEK
LOG STORAGE
FORMER SITE
BUILDING 15
FORMER SITE
BUILDING 16
Former
Dust
Collector
MAPLE STREET
FORMER SITE
BUILDING 2
LOG STORAGE
OPEN MILL RACE
FORMER SITE
LUNCH ROOM
FORMER
BUILDING
House

The Site has been the location of manufacturing operations since 1911. The Site was initially occupied by the Wallingford Manufacturing Company. It was later transferred to The American Fork and Hoe Company and then to True Temper. The subject Site was part of a larger complex that has been broken up over the years. The facility has been involved in the manufacture of consumer goods including wood products and farm and garden tools. Operations have included a sawmill, and a woodworking mill, which are still operating. It also previously included a forge, metal finishing operation and a painting and varnishing operation, that have since been discontinued, probably in the early 1970's. The original manufacturing utilized the adjacent creek for power, by using a water wheel in the mill race under the mill. Some of the original buildings at the south end of the Site have been demolished. The Site was formerly serviced by the railroad that is on the east side of property. Two sidings ran into the facility. The sidings were used to bring in logs, fuel oil and coal and to ship out finished products. Coal and oil were unloaded on the east side of the Site in the area of the former oil pump house. Other materials were received and shipped from the siding down the middle of the Site. Both sidings have been abandoned. The Site has been heated and powered by on-site boilers that were formerly coal- and fuel oil-fed. The boilers now burn wood chips produced by the plant.

Based on test borings completed during the 1999 investigations, EHS concludes that much of the developed portion of the subject property sits on fill. Much of the fill contains cinders and ash that were probably generated by the early mills. Ash from the boilers is currently piled at the far north end of the Site. Shredded bark, cut-offs, gravel and bark muck, and logs are also stored at the north end of the subject property. Wood chips and sawdust are stored just north of the boiler house.

At the northeast corner of the facility there is a 108,000 gallon, concrete, underground storage tank that was originally used to store fuel oil. This tank, or the associated piping, is a probable source of the Release being investigated under this project. Use of the large tank for fuel oil was later discontinued, and eight smaller aboveground tanks were used until the operation was changed over first to coal then to wood chips. The small fuel oil pump house next to the large tank was demolished in December 1970 (see Figure 2 for former location of the pump house). Based on review of the Sanborn Fire Insurance Maps, the large underground storage tank formerly used for fuel storage is now used to store water as part of the fire protection system. The smaller fuel oil tanks that replaced this tank have also been removed. A large shed, used to store sawdust, now occupies part of the area where the above-ground fuel oil tanks were located. Diesel fuel has been stored around Site in a number of areas in above-ground storage tanks. Gasoline was formerly stored in a underground storage tank east of buildings 36 and 33. That tank was removed in about 1986. Gasoline and diesel are now stored in small tanks in the fuel shed, just west of the large underground storage tank.

Contaminated soil was discovered during a Phase II Screening Investigation that was initiated as part of the sale of the company in the spring of 1999. Three initial borings (OPH-A, OPH-B, and OPH-C) encountered oil-saturated soil in February of 1999. Six additional borings were advanced (OPH-D to OPH-I) in March 1999. All six encountered oil saturated soil, and four (OPH-D to OPH-G) were completed as monitor wells. A Geoprobe was used to collect samples from ten test borings (OPH-J to OPH-S) in May to

find the horizontal extent of the plume. The results of these investigations were presented to VtDEC in a report attached to a letter dated on June 2, 1999. These results are also included, along with additional information, in section 4.0 of this report. Five additional holes were drilled (OPH-T to OPH-X) in September of 1999, with three of them completed as monitor wells downgradient from the plume (OPH-U to OPH-W), as part of this investigation.

2.2.4 Adjacent Property and Land Use

The Site was originally part of a larger complex that included other sawmills, storage and manufacturing buildings and company-owned homes (based on review of the aerial photographs and the Sanborn Fire Insurance Maps). These other parcels and buildings have all been sold off and some of the buildings have been demolished. The area around the facility is now mostly residential. There are several commercial buildings to the south and east. A Wallingford municipal yard and storage building are located to the south. There is a single active, and one abandoned Vermont Railroad track on the east side of the plant. Further to the east is a vacant commercial building that occupies an area that was formerly another sawmill operation. There is a gas station a couple blocks to the southeast. Otter Creek is to the west and runs along part of the property boundary. There is a gravel pit west of the creek. The village wastewater treatment plant is located to the immediate north of the Site. The rest of the area is occupied by older, single family homes.

2.3 Maps

The general Site location is shown in Figure 1. The Facility Map is shown as Figure 2 and shows: past and present location of tanks, waste storage areas, and surface and subsurface structures. A survey map that shows property boundaries is included in Exhibit D. Figure 3 is a map showing the location of test holes and monitor wells were drilled and where other samples were collected. Figure 4 is a map that shows the ground-water table contours and direction of ground-water flow, as well as the extent of contaminated soil.

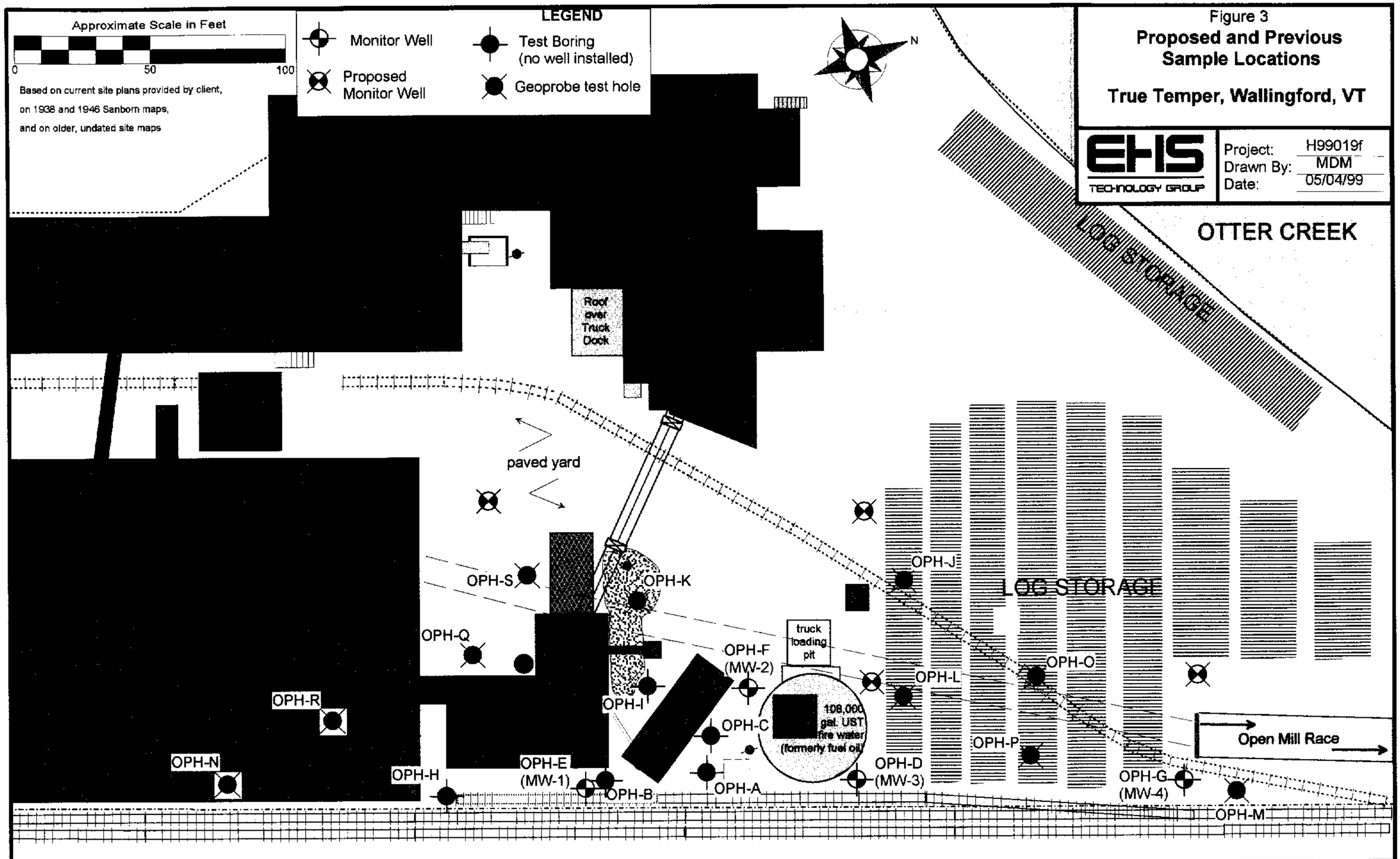


Figure 3
Proposed and Previous Sample Locations

True Temper, Wallingford, VT

EHS TECHNOLOGY GROUP

Project: H99019f
Drawn By: MDM
Date: 05/04/99

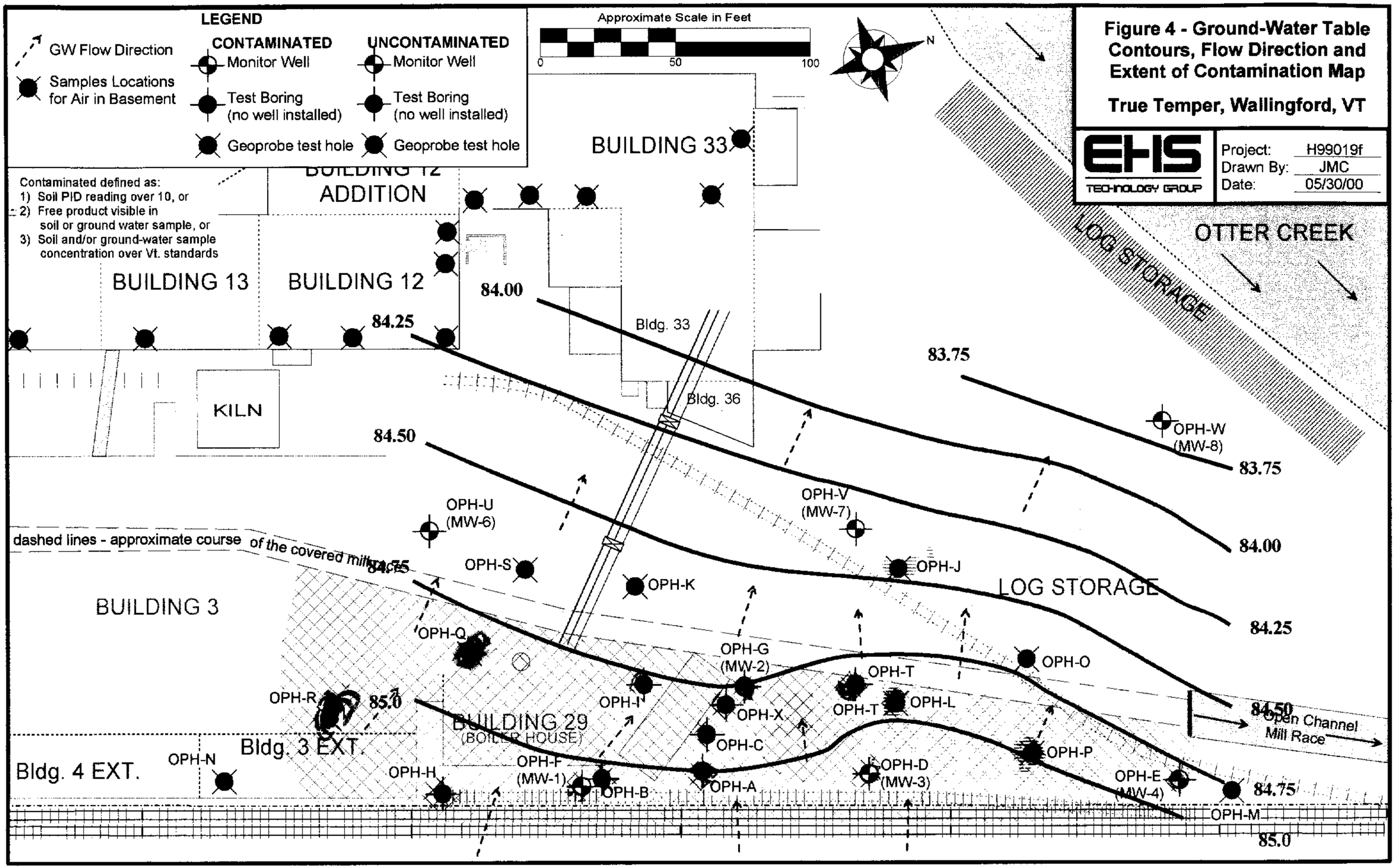


Figure 4 - Ground-Water Table Contours, Flow Direction and Extent of Contamination Map

True Temper, Wallingford, VT

EHS TECHNOLOGY GROUP

Project: H99019f
Drawn By: JMC
Date: 05/30/00

2.4 Receptors

The Site is located within the town of Wallingford, and nearby homes and businesses are supplied with public drinking water that is drawn from a well field that is south of town and upgradient from the Site. The map showing the Source Protection Area for the public water supply is included in Appendix A. The True Temper Site is not within the Source Protection Area. The Site is inside the area supplied with city water. A copy of the map with the Fire District that supplies the water is also included in Appendix A The nearest homes using private supply wells are up-hill from the Site, or down-gradient (north) of the Site, but across the river (LNAPLs cannot cross the river), and are more than ½ mile away. The nearest surface waters to the Release are Otter Creek and the mill race. Otter Creek, a significant fresh water stream is immediately adjacent to the subject property. The mill race is on the subject property and eventually returns to Otter Creek. The nearest basements to the Release location are under some of the facility buildings and are within 200 feet of the plume. Land to the north and east of the Release Site are wetlands. There appears to be no impacted or threatened human or ecological populations.

2.5 Contaminants

An analysis of the oils present in samples from OPH-J (8' to 12' below grade) OPH-Q (8' to 12' below grade) and OPH-R (8' to 10' below grade) indicates that the oil is diesel fuel or motor oil range petroleum.. (TestAmerica lab report, job no. 99.08081, cover page and page 47, included in Exhibit C. The complete lab report is included in Exhibit J) The date(s) of the release and the amount(s) of the oil released is unknown. Although there were a few soil samples that were fully saturated with oil, there has been insufficient quantities of free product recovered to determine viscosity, density, etc.

2.6 Geology and Hydrogeology

Site specific and regional geology and hydrogeology are included in this section.

2.6.1 Geology

The Site is located in the Vermont Valley Physiographic Province, a narrow, structurally-controlled valley underlain by dolomites and marbles, separating the Taconic Mountains (to the west) from the Green Mountains (to the east). Locally, this valley is drained by Otter Creek (and its tributaries) which flows to the north, towards Rutland, Vermont. There are nearby rock outcrops at the edge of the valley to the east and west, but the valley floor along the stream, where the Site is located, is covered by unconsolidated deposits laid down in association with the glaciers that covered the area until about 14,000 years ago. Test borings for production wells indicate that the depth to rock varies from between 4 and 8 feet to bedrock along U. S. 7 (300 feet east of the subject property, to between 80 and 100 feet to bedrock to the west of the subject property.

2.6.1.1 Regional and Site-Specific Soils

Regional Soils - According to the *Soil Survey of Rutland County, Vermont*, (USDA 1998) the subject property and the main portions of Wallingford to the south of the subject property are underlain by the Hinckley gravelly loamy fine sand, developed on 0 to 8% slopes (map symbol 13B). Hinckley soils are very deep, excessively drained soils, developed in sandy glaciofluvial deposits, such as kames, stream terraces, deltas, eskers and valley trains. These soils have rapid to very rapid vertical permeabilities. Where not disturbed by later development, Hinckley soils typically have A horizons consisting of about 6 inches of dark brown, gravelly, loamy fine sand, B horizons made up of about 17 inches of dark yellowish brown gravelly loamy fine sand, and C horizons composed of over 36 inches of dark grayish brown, very gravelly coarse sand. The *Soil Survey of Rutland County, Vermont* map for the Wallingford Area indicates that the subject property is an area where "Dumps and other non-soil areas" are present. Copies of the soil survey map and soil descriptions are included in Exhibit E.

Site-Specific Soils - Test boring logs on the subject property completed as part of this investigation are found in Exhibit F. These logs show that a layer between four and ten feet thick, composed of ash, wood chips and construction debris is present above the natural sandy materials. Fill (consisting of ash, cinders and coal fragments) was encountered in twenty of the twenty-four test borings completed, and construction/demolition debris (consisting of brick and mortar fragments, concrete and wood) was encountered in nine of the twenty-four test borings completed. None of the diagnostic horizons typical of the Hinckley gravelly loamy fine sand were present, but the subsurface natural materials encountered in the test borings are consistent with the presence of the Hinckley soil, or other sandy soils.

2.6.1.2 Unconsolidated Deposits

Regional Unconsolidated Deposits - No detailed mapping of the glacial deposits in the vicinity of Wallingford have been published. Stewart mapped the glacial deposits of the Wallingford 15' topographic map between 1956 and 1966, but his manuscript map has not been published. Information from that mapping was included in the *Surficial Geologic Map of Vermont*, compiled by Stewart and MacClintock (1970), and features of the glacial geology of the region were discussed in general terms in *The Surficial Geology and Pleistocene History of Vermont* (Stewart and MacClintock, 1969), published to accompany that map. The more detailed mapping conducted in the Rutland and Brandon areas, to the north of the Site, as well as additional subsurface investigations were reinterpreted by Stewart, and published as *Geology for Environmental Planning in the Rutland-Brandon Region, Vermont* (Stewart, 1972). Although this publication does not cover the Site or its surroundings in the vicinity of Wallingford, some information concerning the subsurface stratigraphy of the Otter Creek valley is contained in this report.

Additional site-specific information concerning the distribution of unconsolidated deposits and depth to bedrock within the Wallingford area is available from the State

of Vermont Well Completion Reports and Basic Well Data forms. By law, a Well Completion Report must be completed for all water supply wells drilled in Vermont. This form contains information concerning the well owner's name and address, the well driller's name and address, the well location, the drilling method used, well completion details, the water level and quantity of water produced, and a record of the materials encountered. Selected information from these Well Completion Reports are transcribed to Basic Well Data forms and located on a road map base by employees of the Vermont Department of Water Resources. EHS obtained copies of all Well Completion Reports and Basic Well Data forms for the area surrounding Wallingford. Use of this data is limited, in part by inadequate location information, and in part by the use of driller's field descriptions of units encountered. Copies of a location map prepared by EHS from the data, and of all Well Completion Reports and Basic Well Data forms is included in Exhibit G.

EHS has developed a stratigraphic model for the glacial deposits in the Wallingford area, based on the available published geological information, interpretations made from soil survey maps and Well Completion Reports, and from published descriptions of the behavior of temperate glaciers in areas of high topographic relief, and those terminating in lacustrine (or marine fjord) environments, such those that were present in central Vermont during the last ice age.

At least three drifts (composed of glacial till sheets and related sediments), differentiated on the basis of till fabric, are known to be present in Vermont. These are (from oldest to youngest) the Bennington Drift, the Shelburne Drift and the Burlington Drift. The available evidence indicates that all three drift sheets were deposited during the most recent, Wisconsinan Glaciation, between 26,000 and 12,400 B. P. (years before present). The youngest of the three drifts, the Burlington Drift, was deposited during a glacial readvance and subsequent retreat between 13,200 and 12,400 B. P. The lateral limit of the Burlington Drift in the vicinity of Wallingford is marked by the crest of an end moraine located about one mile east of the Site, at an elevation of 270 meters msl (885 feet msl). To the east of the moraine is a sand and gravel kame terrace, deposited by meltwater trapped between the glacier and the steep slope of the Green Mountains. The southern limit of the glacier that deposited the Burlington Drift was located near South Wallingford, about four miles south of the Site. At the time of the maximum advance of the glacier that deposited the Burlington Drift, the Site would have been covered by nearly 400 feet of ice.

As the ice retreated northward from the limit of the Burlington Drift, the retreating ice would have impounded a long, shallow lake within the northward-flowing Otter Creek valley. The elevation of the drainage divide between Otter Creek and Batten Hill Creek, near East Dorset is at an elevation of about 210 meters msl (690 feet msl). Based on this spillway elevation, the depth of water in the lake over the Site would have been at least 140 to 150 feet above the modern land surface. To the west of the subject property, where test borings indicate that the bedrock floor of the valley is 100 feet or more below grade, the depth of water in the lake would have been even greater.

In water depths this great, temperate glaciers do not generally form prominent end moraines across the valley, and also do not form continuous sheets of outwash that extend for great distances. Instead, isolated sand and gravel fans are usually deposited at the mouths of subglacial tunnels. These sand and gravel fans may be very thick, locally, but do not extend for great distances away from the front of the glacier. Eskers may be preserved at the former locations of the tunnels, and several esker remnants are visible to the south of Wallingford, on the east side of Otter Creek. Till layers may be preserved on the ice-contact face of these subaqueous fans, deposited at sites where the glacier becomes temporarily grounded on the thick sand and gravel deposits. Two such subaqueous fans appear to be present in the vicinity of Wallingford. One is located to the south of Wallingford, and to the west of Otter Creek. Up to 100 feet of fine to medium sand is described as being present, according to the logs for wells completed to the south of Elfin Lake. At the north (ice-proximal) end of this deposit, coarser sands and gravels are listed in the well logs, and a layer of till (described as "hardpan") is listed as being present in the log for a municipal water supply well located immediately south of the center of Wallingford (Well Completion Report 331, Exhibit B). A second subaqueous fan is present beneath the village of Wallingford, and in the vicinity of the Site, and of the eastern portion of a former sand and gravel pit located to the west of Otter Creek, immediately west of the Site. Exposures observed by EHS in this pit indicate that virtually all of the exploitable sand and gravel has been removed, and bedrock is now being crushed for aggregate within the pit. However, the large size of some of the pebbles and cobbles remaining in this pit exposure are evidence that they were deposited at, or immediately adjacent to an ice margin.

In settings such as this, the lake basin to the south of the ice margin becomes partially filled with fine-grained, lacustrine silts and clays, which drape over and surround older fan deposits. As the ice retreats farther to the north, younger lacustrine sediments are generally deposited to the north of the subaqueous fan deposits. Logs for wells on Creek Road, to the north of the Site indicate that there is about 215 feet of "clay" present above bedrock at these sites, less than 1/4 of a mile north of the Site (Well Completion Reports 234 and 278, Exhibit B).

Based on the available information, the sand and gravel deposits that underlie the Site are located near the northern margin of a subaqueous fan, deposited when the glacier margin was located at or immediately north of the Site. The limits of this fan are the bedrock walls of the valley to the east (along Main Street) and west (west of the gravel pit) of the Site, a till layer present atop older sand and gravel deposits to the south of the Site (south of Depot Street and Roaring Brook), and the former ice margin at or immediately north of the Site.

Following the retreat of the glacier to near Rutland, the lake impounded by the glacier within the Otter Creek valley would have drained, and Otter Creek began carving a channel into the unconsolidated deposits. Flood plain sediments deposited along the floor of this channel would include silts and sands, with scattered gravel layers and the possible inclusion of natural organic materials (wood and tree branches) as well as anthropogenic materials during historic times.

Site-Specific Unconsolidated Deposits - The logs for test borings completed on the subject property are included in Exhibit F. According to these logs, most of the investigated area was underlain by between 4 and 10 feet of fill material, consisting of ash and cinders, coal fragments, wood and bark chips and construction/demolition debris (bricks, mortar, concrete), mixed with sand and gravel. Fill was encountered in twenty of the twenty-four test borings completed, and construction/demolition debris was encountered in nine of the twenty-four test borings completed. This fill material was underlain by a layer of medium to fine sand, which was present to a depth of 10 to 12 feet below grade. Old wood fragments were found in four of the test borings within the sandy materials, at depths of 8 to 10 feet below grade. The presence of wood fragments at these depths suggests that the sandy layer is a flood plain deposit. The sandy materials are underlain by coarse-grained sand, granules and pebbles, with cobbles up to 6 inches in diameter recovered in the auger cuttings at some test borings. The coarser-grained sand and gravel deposits are interpreted to be proximal subglacial fan deposits.

2.6.1.3 Confining Layers

No subsurface materials that could act as a confining layer was detected in the samples from test borings completed on the Site, and based on the stratigraphic model described above, none is likely to be present beneath the Site. A confining layer is present above the sand and gravel layers that serve as the municipal water supply for the village of Wallingford, approximately 3500 feet south of the Site. According to Well Completion Report 331, silty sandy till with coarse gravels was present between 28 and 38 feet below grade, above the coarse gravel in which the well was completed. To the north of the Site, thick clay deposits are present within the valley, which isolate the sand and gravel beneath the Site from the shallow sands and gravel deposits present along Otter creek in the areas closer to Rutland.

2.6.1.4 Bedrock Information

The Vermont Valley physiographic province is underlain by rocks of the Champlain Valley Sequence, which were described in detail by Thompson (in Shumaker and Thompson, 1967, *Bedrock Geology of the Pawlet Quadrangle*). No detailed information concerning the bedrock present beneath the Site is available. Well Completion Reports generally cite the presence of limestone and/or marble as the rock type present beneath Wallingford and adjacent areas within the Otter Creek valley, but several of the rock units present within the Champlain Valley Sequence are composed partially or wholly of limestone, dolomite and marble. Table 2 gives the name, age, approximate thickness and composition of the rocks present beneath the Vermont Valley physiographic province.

Table 2 - Bedrock Units of the Champlain Valley Sequence (Thompson, 1967)

Age		Name		Thickness	Description
TECTONIC CONTACT - Sequence truncated by thrust faults, and overlain by Taconic Sequence rocks					
ORDOVICIAN	MIDDLE	Ira Formation		500 +	dark gray to black slate to phyllite, with minor gray-green hyllite, calcareous phyllite, gray to dark gray quartzite, with a basal pebbly quartzite and thin beds of blue to blue-black limestone and gray dolomite, and a thick bed of dolomitic breccia
ORDOVICIAN	MIDDLE	Baker Brook		0 - 200	Metavolcanics, consisting of quartz-muscovite, biotite schist with plagioclase feldspar augen, greenstone schist (epidote, albite chlorite, ankerite and actinolitic amphiole), with minor quartzite and black, carbonaceous phyllite
ANGULAR UNCONFORMITY The Baker Brook Volcanics locally overlie the Clarendon Springs Formation, the Shelburne Marble and the Bascom Formation					
ORDOVICIAN	LOWER	Bascom Formation		450	Blue-gray calcitic marble, with localized dolomitic mottling and interbedded layers of gray, yellow or orange-weathering dolomite, and minor interbeds of calcareous sandstone and black phyllite Basal unit of fine-grained, yellow-weathering dolomite up to one foot thick
ORDOVICIAN	LOWER	Shelburne Marble		250	White, medium to coarsely-crystalline marble with local grayish and greenish streaks, mined locally as "Vermont Marble"
CAMBRIAN	UPPER	Clarendon Springs Formation	upper dolomite member	200	light gray, massive to indistinctly-bedded, calcitic dolomite with abundant recrystallized chert as quartz masses, rare quartzite beds
CAMBRIAN	UPPER	Clarendon Springs Formation	Sutherland Falls Member	30 - 100	gray-streaked, white calcite marble, laterally interbedded with or transitional into dolomite near the upper and lower contacts
CAMBRIAN	UPPER	Clarendon Springs Formation	lower dolomite member	200	Gray-colored, calcitic dolomite with suspended sand grains and faint cross-bedding, with minor, thin white orthoquartzite beds and scattered chert masses (quartz knots)
CAMBRIAN	UPPER	Danby Formation		150	Gray-colored, calcitic dolomite with suspended sand grains and faint cross-bedding, with subordinate white orthoquartzite layers, becoming more abundant in lower portions of the unit, and pods and lenses of white calcite marble (Basal unit) Vitreous, white orthoquartzites, extensively cross-bedded, several inches to 3 feet thick, interbedded with subordinate gray-weathering dolomite

Table 2 - Bedrock Units of the Champlain Valley Sequence (Thompson, 1967)

Age		Name	Thickness	Description
CAMBRIAN	MIDDLE	Winooski Dolomite	600	Dolomite, weathering to orange, orange-red , yellow or buff colors, similar to those o the underlying Monkton Quartzite, with scattered, thinner layers of quartzite and phyllite, most common in the upper portion of the unit
CAMBRIAN	LOWER	Monkton Quartzite	600	Dolomite, weathering to orange, orange-red , yellow or buff colors, interbedded with subordinate red-colored, feldspathic quartzite (several inches to 30 feet), and minor beds of sandy dolomite, green and black phyllites. Subordinate lithologies comprise about 1/4 of the total thickness of the unit. The quartzites and sandy dolomites are commonly cross-bedded. (Basal bed) 8 - 12 feet of giant cross-bedded, sandy dolomite, with a porous weathered surface
CAMBRIAN	LOWER	Dunham (Rutland) Dolomite	900	gray, fine-grained to recrystallized dolomite, weathering to a buff to yellow color, in beds between 4 inches and 1 foot, separated by thin siliceous partings less than 1/4 of an inch thick. These partings are composed of recrystallized chert, schist and shales
CAMBRIAN	LOWER	Cheshire Quartzite	500-1000	massive, vitreous orthoquartzites in beds up to 50 feet thick, interbedded with carbonaceous phyllites, quartz-mica schists, schistose quartzites and feldspathic quartzites, with interbed material becoming more abundant towards the base of the unit
CAMBRIAN	LOWER	Dalton Formation	250	graywacke, interbedded with rusty-weathering limestones and impure dolomites grading downward into graywacke, with discontinuous lenses of pebbly beds and chlorite schist grading downward into pebble to cobble conglomerates, pebbles and cobbles composed of the underlying Mount Holly Complex lithologies
NONCONFORMITY - Highly-metamorphosed rocks indicative of burial to great depth overlain by sedimentary rocks				
PRECAMBRIAN		Mount Holly Complex	great	chloritic gneiss and feldspathic schist, cut by sheared and brecciated granitic pegmatite, interbedded with subordinate vitreous quartzite, mica schists, coarse marble and calc-silicate rocks. This unit was metamorphosed and deeply eroded, prior to deposition of the overlying Dalton Formation

2.6.2 Hydrogeology

2.6.2.1 Regional Hydrogeology

No published reports are available describing the hydrogeology of the area surrounding Wallingford. Unpublished data available includes the Well Completion Reports and Basic Well data forms described previously. According to these reports, the vast majority of water wells completed within the area surrounding Wallingford are bedrock wells. Solid casing is generally installed across the unconsolidated deposits, and an open hole is drilled downward (between less than 100 feet to as great as 400 feet below grade) through the bedrock, until a usable supply of water is obtained. Water is present within bedrock fractures and joints within the rock. Recharge to these wells is by infiltration downward through unconsolidated deposits. Due to the relatively low vertical permeability of the lacustrine deposits which substantially fill the valley of Otter Creek, and the high vertical permeability of the same deposits located to the east of the moraine east of Wallingford, much of the recharge for bedrock is likely to be through these kame deposits.

Only a few water supply wells are completed in unconsolidated deposits. All but two of these wells are located to the east and uphill from Wallingford, and are completed into the kame deposits to the east of and beneath thick till deposits that form the moraine located to the east of Wallingford. These kame deposits are hydrogeologically isolated from the unconsolidated deposits present along Otter Creek (and beneath the Site) by the presence of the thick glacial till that overlies the kame deposit.

Two water supply wells are reported to have been completed in unconsolidated deposits along Otter Creek. Both are owned by the Wallingford Fire District. These wells are located between 3000 and 5000 feet south and southwest of the Site, and are hydrogeologically up-gradient from the Site.

One well (Well Completion Report #36, Exhibit B) is located south of Elfin Lake. The boring for this well penetrated through 60 feet of fine sand, then 13 feet of coarse gravel. The well was completed using 73 feet of 6 inch diameter casing and no screen. After completion, the well was bailed at 50 gallons of water per hour for 7 hours. The static water level was 30 feet below grade, and the well was bailed dry at the end of the test.

The second water supply well (Well Completion Report #331, Exhibit B) is located along Meadow Road, south of SR 140, between the railroad and Otter Creek. The boring for this well penetrated unknown materials for 26 feet (lithology not recorded), silty sand for 2 feet, silty sandy till for 10 feet, and coarse gavel for 17 feet (between 38 and 55 feet below grade). The well was completed using 12 feet of 12 inch diameter stainless-steel screen, a #4 sand filter pack, and 45 feet of steel casing grouted with bentonite. After completion, the well was pumped at 150 gallons of water per minute for eight hours. The static water level was 5 feet below grade, and only minimal drawdown was observed during the well test. The driller

estimated that the maximum yield would be over 1,100 gallons per minute.

While these two wells are completed in unconsolidated deposits similar to those present beneath the Site, there is no possibility that any ground-water contamination that may be present beneath the Site can impact these wells, or could have impacted them in the past, for several reasons.

- The wells are located to the south of the Site, by about 3,000 feet (Well #331) and 5,000 feet (Well #36), while ground-water flow at the Site is to the north.
- A till layer was detected in the test boring for Well #331, which separates the shallower sand and gravel deposits which underlie the Site, from the deeper sand and gravel deposits in which the well is completed.
- Well # 36 is located west of Otter Creek. Floating contaminants, such as the oils present in the soils at the Site cannot migrate across an open stream. Ground-water samples were collected from downgradient monitor wells MW-6, MW-7 and MW-8, and from the mouth of the millrace. No floating layers were detected at these sampling locations, and no dissolved constituents were detected in these samples at concentrations greater than the Vermont Primary Ground-Water Quality Standards. Therefore, no adverse impact on the water quality in Otter creek is expected or anticipated, and no impact on ground water to the west of Otter creek is possible..
- Due to the distance of the wells from the subject property, the fact that these wells are upgradient from the subject property and due to the size of the zone of influence around these wells, it is impossible for site ground water to reach these wells.

2.6.2.2 Site-Specific Hydrogeology

Water levels have been measured in the wells installed in the vicinity of the tank in March of 1999 and September of 1999. Additional water level measurements were made in February of 2000 by McCully, Frick and Gillman. All supporting documentation provided by MFG is included in Exhibit H. Depth-to-water measurements and water table elevation values are given below in Table 3. The depth to water values are measured from the top of the well casings, which is several inches below the ground surface. Water levels were about 9 feet below grade in March, 1999, and between 10 and 11 feet below grade in September of 1999. Water levels rose slightly by February 2000. No exact water levels were measured in march 2000, but water levels at MW-2 had risen by about 2 feet between February and March 2000. These water levels appear to match the stage of Otter Creek.

Table 3 - Depth-to-Water Measurements and Ground-Water Table Elevation

Well		Measurement Date					
		3/15/99		9/16/99		2/11/00	
ID	TOC elev.	Depth	Elevation	Depth	Elevation	Depth	Elevation
MW-1	96.27	8.86	87.41	11.21	85.06	10.32	85.95
MW-2	95.32	9.29	86.03	10.59	84.73	10.14	85.18
MW-3	95.15	8.86	86.29	9.97	85.18	9.74	85.41
MW-4	95.12	9.55	85.57	10.35	84.77	10.25	84.87
MW-5	well not installed						
MW-6	94.63	well not installed		9.93	84.70	9.56	84.77
MW-7	94.73	well not installed		10.41	84.32	9.96	84.77
MW-8	93.72	well not installed		10.60	83.12	not accessible	

TOC - top-of-casing of the well

The MW-5 designation was assigned to a well that was to be installed at a drilling location adjacent to the tank. It was not possible to install a well at this location, or at other nearby sites due to refusal at depths above the ground-water table. Other monitor wells with higher numbers had already been installed. Therefore, MW-5 represents a location where no well was installed. A ground-water table map was constructed based on the water level measurements collected on September 16, 1999, and is included as Figure 4. Water levels for one additional well was also incorporated into this map, in order to confirm the flow directions and water levels obtained. As shown in this map, the ground-water flow direction is to the north, towards Otter Creek beneath the Site. Locally, in the vicinity of the log storage area, ground-water flows diverge slightly, due to recharge from water sprayed on the logs to keep them wet. The March data also indicate that ground-water flow is to the north, but the localized recharge area in the vicinity of the log storage area is not present. The gradient on the ground-water table is approximately 0.011 feet per foot, based on the regional flow direction determined from the September ground water table map for the area beneath Building #3. Locally steeper and gentler gradients are present in the recharge zone beneath the log storage area.

No laboratory or in-situ measurements of hydraulic conductivity have been made. Based on the presence of sand, gravel and cobbles beneath the ground-water table, the horizontal hydraulic conductivity of the saturated aquifer is estimated to be between $1x10^{-1}$ and $1x10^{-2}$ cm/sec. The vertical hydraulic conductivity of the overlying alluvial sands is estimated to be between $1x10^{-3}$ to $1x10^{-4}$ cm/sec. No estimate of the hydraulic conductivity of the fill was made, due to the heterogeneity of these materials.

3.0 DRILLING and SAMPLING PROTOCOLS

3.1 Hollow Stem Auger Test Boring Protocols

Some of the test borings (OPH-A to OHP-I and OPH-T to OPH-W)were advanced using hollow stem auger drilling techniques. Drilling was conducted by Green Mountain Boring and by Fore Testing and Drilling. All drilling was conducted under the direct supervision of EHS. Three screening investigation borings were completed in February 1999, five borings were advanced in March of 1999, and five borings were drilled in September.

Underground utilities were located prior to each drilling episode. Due to the concrete pavement and/or the frozen soil, in February and March, the initial hole was sometimes started with a jack hammer and a shovel for the first one to two feet. Drilling was done according to standard EHS protocol. Test borings were advanced with a Mobile B-50 mounted on an ATV using 3¼ inch I.D. hollow stem augers (February 1999), with a Mobile B-47, mounted on a truck using 4¼ inch I.D. hollow stem augers (March 1999); and a Diedrich D50, trailer-mounted drilling rig, using 4¼ inch I.D. hollow stem augers (September 1999). Soil samples from borings were continuously collected in advance of the drilled hole with a 2" x 24" split spoon sampler driven ahead of the augers. Soil samples were classified and logged by a geologist familiar with the local geology. Subsurface exploration logs are included in Exhibit F.

The test borings not completed as monitor wells were backfilled with cuttings, sand, cement and/ bentonite to prevent the accelerated migration of possible surface contaminants into the aquifers below. Sampling equipment was decontaminated by a detergent wash and tap water rinse between samples to avoid cross contamination. Drilling equipment was decontaminated between drilling sites by a high pressure washer using high temperature water.

3.2 Direct Push Soil Sampling Protocols

Some of the test borings (OPH-J to OPH-S) were advanced using a direct push soil sampling technique. Drilling was completed by Northeastern Environmental Technologies Corp. All sampling was completed under the direct supervision of EHS. A total of ten test holes were advanced in May 1999.

Underground utilities were located prior to drilling. Drilling was completed according to standard Geoprobe protocol. Test borings were advanced with a Geoprobe 540U rig mounted on a truck using a 1.5 inch x 48 inch Geoprobe sampler. Soil samples from borings were continuously collected. Soil samples were classified and logged by a geologist familiar with the local geology. Subsurface exploration logs are included in Exhibit F.

Direct push sampling using a percussive hammer was used to advance small diameter holes to collect soil, and ground water samples. This system is often referred to as the Geoprobe® method of advancing holes from the company that was the first major manufacturer of the equipment. In this method, a 2" OD, steel tube equipped with a cutting shoe was driven into the ground at four foot intervals. The steel tube contained a plastic liner which was used to collect the sample. A steel drive tip connects to hollow drive rods, which were used to push the sampler. The sampler was driven or pushed to the desired sampling depth. Once the top of the desired sampling interval was

reached, the drive tip was loosened using release rods, and the soil sample was collected by advancing the sampler downward through the desired sampling interval. The sampler was then removed from the hole, and the sample (contained in the inner liner) was recovered. In some holes, a water sample was collected in the void which is created once the sampling tool was driven to the desired depth, then pulled back a short distance. Holes were grouted with bentonite clay.

3.3 Permanent Monitor Well Installation Protocols

Seven of the twenty-three borings advanced for these investigations were completed as permanent monitor wells. A monitor well was also installed in the southeast corner of the subject property and water levels from that well are also used to determine groundwater flow directions.

Monitor wells were designed by EHS to match conditions encountered at each boring site. Wells were constructed of 2 inch diameter, schedule 40, PVC casing and screen with 0.010" or .020" slots. The screens were surrounded with a fine-grained, sand filter pack that was sealed from the surface by a bentonite clay seal and a bentonite fill in the annular space around the casing. The well heads were completed with a locking cap and a flush-mount cover, set in the ground in a two foot by two foot by six inch thick concrete pad. Drilling logs and as-built drawings of the wells are included in Exhibit F.

The monitor wells were developed by multiple cycles of pumping, surging and bailing to remove cuttings and to improve connection with the surrounding aquifer. Well development forms are also included in Exhibit F. Water levels in all monitor wells were measured to the nearest 0.01 foot from top-of-casing (TOC). Water levels in test borings were measured to the nearest 0.01 foot from top of hole. Water levels in wells were allowed to stabilize 24 hours before measurement. Water levels were measured and potentiometric surfaces were calculated.

An elevation survey of the top of the monitor well casings was run using an arbitrary datum of 100 feet for the top of the concrete foundation at the east corner of the sawdust shed. The top of casings (TOC) elevation and the water depths and elevations as shown in Table 3. Using triangulation of these water elevations, the contours and dip of the water table was calculated, as shown in Figure 4. The flow of the water in the uppermost unconsolidated aquifer is assumed to be perpendicular to the ground-water table contours.

3.4 Water Sampling Protocols

3.4.1 Collecting Water Samples from Test Borings

A ground-water sample was taken from inside the augers at one of the initial borings before backfilling. After pulling the augers back about a foot and then purging the hole by bailing to remove some of the water disturbed by the drilling, a grab sample was collected with a pre-cleaned, disposable, polyethylene bailer and a new polyethylene bailer rope. The bailer was emptied directly into the vials or bottles supplied by the laboratory.

3.4.2 Collecting Water Samples from Geoprobe Holes

Ground-water samples were collected from most of the Geoprobe holes. After collecting the

last soil sample interval a temporary screen was pushed to an interval at and just below the top of the zone of saturation. The hole was purged with a vacuum pump and new plastic tubing until it was dewatered, or until about one gallon of water had been purged. After the water level restabilized and the turbidity had settled, a sample was drawn part way up the tubing, the tubing was withdrawn and the water was released into the sample vials or bottles. The sample was collected from the top of the water column and checked for floating product.

3.4.3 Collecting Water Samples from Monitor Wells

Water samples were collected from the monitor wells after they had been developed and had at least 24 hours to stabilize. Prior to sampling, water levels were measured to the nearest 0.01 foot from the top of casing and the volume in the well casings was calculated. The initial samples were collected from the top of the water column and checked for floating product. After the wells had been purged of stale water in the casing by a pump or a bailer (a minimum of four casing-volumes were purged) the sample for laboratory analyses was collected. Monitor-well water samples were collected with a pre-cleaned, disposable, polyethylene bailer and a new polyethylene bailer rope. The bailer was emptied directly into the vials or bottles supplied by the laboratory.

3.4.4 Collecting Surface Water Samples

Water samples were collected from the millrace, by dipping the pre-cleaned sample jars into the millrace at a point about ten yards downstream from the end of the culverted section. The sample jars were placed in the stream upstream from the sampler, and the samples were collected at the water surface. Water for field parameter measurements (pH, temperature, specific conductance) was collected in a separate container.

3.5 Soil Gas Field Screening Protocol

When the soil samples were first opened, the samples were quickly checked for olfactory and visual evidence of contamination, and organic vapors of most soil samples were field measured with a photoionization detector (PID). Samples were split, with one part placed in sample jars for laboratory analysis and one placed in a baggie for head space analysis. In cold weather, samples were screened only after the sample had been warmed to room temperature. Soil gas screening was done with a PID with a 10.2 eV probe that was calibrated to benzene using an isobutylene standard. PID screening results are included on the test boring logs, in Exhibit F.

3.6 Sample Handling and Quality Control Protocol

All samples were immediately visually characterized by the on-site geologist upon retrieval. Soil and waste samples were checked for olfactory and visual evidence of contamination, and most were screened with an PID. Liquid samples were checked for non-aqueous phases. Ground-water samples were field tested for temperature, pH and specific conductivity. Characterizations were documented on drilling logs. If the sample was to be retained for laboratory analysis, sampling data and conditions have been documented and sample logs, which are included in Exhibit I. Based on field screening, samples representative of the most obviously contaminated zones or most likely-to-be-contaminated zones will be selected for laboratory analysis by EHS.

To assure quality control, one duplicate sample was collected for every ten samples. One trip blank was prepared in the lab and carried in the field for every lot of bottles prepared. One field blank was collected for each sampling event. All sampling was conducted at an OSHA level "D" level of personal protection for workers. Field monitoring indicated no need for a higher level of protection.

Samples were preserved as appropriate to the required analysis, and transported to the lab under standard chain-of-custody protocol. Chain-of-custody forms are also included in Exhibit I.

3.7 Laboratory Analytical Protocol

Chemical analysis of samples was performed by the Test America laboratory, or by Adirondack Environmental Services, independent laboratories under subcontracts with EHS. The analytical parameters chosen were based on hazardous and regulated materials typically associated with gasoline or fuel oil. Methods used are shown in Table 4. The full analytical report is attached as Exhibit I and includes holding times and QC test results.

Table 4 Analysis Methods Used

Parameter	Method	Parameter	Method
BTEX in water	EPA 602	Total Petroleum Hydrocarbons (TPH)	SW8468015 mod.
BTEX in soil	SW 846 8021	Total Petroleum Hydrocarbons (TPH)	418.1
VOCs	SW846 8260	PAHs	SW846 8270

4.0 RESULTS

In accordance with the scope of work prepared for the earlier investigations, and in accordance with the approved work plan, the results of the investigations are presented in this section. A summary showing the work performed and the samples collected is presented in Table 5, below. Test holes around the boiler house have encountered a layer of oil-contaminated soil at a depth of about ten feet. The contaminated soil layer is two to three feet thick. PID screening of soil gases from oil-contaminated soils have exceeded Vermont action levels. Monitor wells east of the culverted mill race have shown small patches of oil on the ground water surface. Monitor wells west of the culverted mill race have not shown an oil sheen.

Table 5 - Summary of Work Performed/Samples Collected
Wallingford Sawmill - Expressway Investigation and Related Prior Investigations

Boring / Well	Date Installed	Installation Method	Samples Collected for Lab Analysis	Analyzed For
Note: all recovered soil samples from all test borings/geoprobe borings were screened using a photoionizing detector (PID)				
OPH-A	2/27/99	Auger Boring	Soil 8'-10'	TPH, BTEX, PAH
			Ground Water	TPH, BTEX, PAH
OPH-B	2/27/99	Auger Boring	Soil 8'-10'	TPH, BTEX, PAH
OPH-C	2/27/99	Auger Boring	Soil 8'-10'	TPH, BTEX, PAH
OPH-D / MW-3	3/11/99	Auger Boring Well Installed	Soil 8'-10'	TPH, BTEX
			Ground Water (& duplicate)	TPH, BTEX
			Ground Water (5/99)	BTEX, SVOC
			Ground Water (9/99)	VOC
			MFG GW split (9/99)	VOC
OPH-E / MW-4	3/11/99	Auger Boring Well Installed	no soil sample analyzed, no PID detections above 10	
			Ground Water	TPH, BTEX
			Ground Water (5/99)	BTEX, SVOC
			Ground Water (9/99)	VOC
			MFG GW split (9/99)	VOC

Table 5 - Summary of Work Performed/Samples Collected
Wallingford Sawmill - Expressway Investigation and Related Prior Investigations

Boring / Well	Date Installed	Installation Method	Samples Collected for Lab Analysis	Analyzed For
OPH-F / MW-1	3/11/99	Auger Boring Well Installed	No soil sample analyzed - PID readings for 8' to 14' up to 20, with a petroleum odor	
			Ground Water (3/99)	TPH, BTEX
			Ground Water (5/99)	BTEX, SVOC
			Ground Water (9/99)	VOC
			MFG GW split (9/99)	VOC
OPH-G / MW-2	3/12/99	Auger Boring Well Installed	Soil 12'-14'	TPH, BTEX
			Ground Water (3/99)	TPH, BTEX
			Ground Water (5/99)	BTEX, SVOC
			Ground Water (9/99) (& duplicate)	VOC
			MFG GW split (9/99)	VOC
OPH-H	3/15/99	Auger Boring	Soil 12'-14'	TPH, BTEX
OPH-I	3/15/99	Auger Boring	Soil 8'-10'	TPH, BTEX
OPH-J	5/19/99	Geoprobe	Soil 8'-12'	TPH
			Ground Water (5/99)	BTEX, SVOC
OPH-K	5/19/99	Geoprobe	Soil 12'	BTEX
			Ground Water (5/99)	BTEX, SVOC
OPH-L	5/19/99	Geoprobe	No soil sample analyzed - PID readings for 8' to 16' up to 62, with a petroleum odor	
			Ground Water (5/99)	BTEX, SVOC
OPH-M	5/19/99	Geoprobe	no soil sample analyzed, no PID detections above 0.0	
			Ground Water (5/99)	BTEX, SVOC
OPH-N	5/19/99	Geoprobe	no soil sample analyzed, no PID detections above 0.0	
			Ground Water (5/99)	BTEX, SVOC

Table 5 - Summary of Work Performed/Samples Collected
Wallingford Sawmill - Expressway Investigation and Related Prior Investigations

Boring / Well	Date Installed	Installation Method	Samples Collected for Lab Analysis	Analyzed For
OPH-O	5/20/99	Geoprobe	no soil sample analyzed, no PID detections above 0.0	
			Ground Water (5/99)	BTEX, SVOC
OPH-P	5/20/99	Geoprobe	Soil 10'-12'	BTEX
OPH-Q	5/20/99	Geoprobe	Soil 8'-12'	TPH
OPH-R	5/20/99	Geoprobe	Soil 8'-10'	TPH
OPH-S	5/20/99	Geoprobe	no samples, no PID detection above 0.0, refusal at 10 feet, no water encountered	
OPH-T	9/14/99	Auger Boring	Soil 8'	TPH, VOC
			MFG Split Sample	TPH, VOC
OPH-U / MW-6	9/13/99	Auger Boring Well Installed	no soil sample analyzed, no PID detections above 0.0	
			Ground Water (9/99)	VOC
			MFG GW split (9/99)	VOC
OPH-V / MW-7	9/13/99	Auger Boring Well Installed	no soil sample analyzed, no PID detections above 0.4	
			MFG Soil sample	TPH, VOC
			Ground Water (9/99)	VOC
			MFG GW split (9/99)	VOC
OPH-W / MW-8	9/14/99	Auger Boring Well Installed	no soil sample analyzed, no PID detections above 0.0	
			MFG Soil sample	TPH, VOC
			Ground Water (9/99)	VOC
			MFG GW split (9/99)	VOC
OPH-X	9/14/99	Auger Boring	no samples, refusal at 8.2 feet, no water encountered	
			MFG Soil sample	TPH, VOC

Table 5 - Summary of Work Performed/Samples Collected
Wallingford Sawmill - Expressway Investigation and Related Prior Investigations

Boring / Well	Date Installed	Installation Method	Samples Collected for Lab Analysis	Analyzed For
MFG-1a / MW-9	9/14/99	Auger Boring Well Installed	No Expressway Investigation samples collected, well installed for another purpose, but water level elevation data used to determine flow directions	

4.1 Limitations and Exceptions to the Approved Scope of Work

Field conditions and limitations made it impossible to complete all of the tasks listed in the approved Scope of Work included as Exhibit A. The following tasks could not be completed:

- PID screening of the millrace - At the time the field work was carried out in September, 1999, water levels within the millrace were chest high, and less than three feet of air space was present above the water surface. The entire millrace was visually inspected, but it was not safe or practical to carry a PID into the millrace. The inspection team observed no olfactory or visual evidence of contamination within the millrace.

- Deep test boring and installation of a monitor well between the tank and the millrace - A test boring was completed in the area between the tank and the millrace (OPH-T), but the boring could only be advanced to refusal on concrete at a depth of 8.5 feet. Auxiliary holes in the vicinity of this test boring were drilled to refusal at the same depth. At this site, there is apparently no space between the ring foundation for the tank and the millrace. Consequently, no deep boring to determine the lower limit of contamination could be completed, and no monitor well could be installed in this area.

4.2 Field Screening Results

Soil samples from many of the test holes had PID readings greater than the action level of 10 for soils with possible fuel oil contamination. Many of the soils had obvious free oil in the sample. Water samples only had a trace sheen. There were no PID detectable odors in near-by basements on the property.

4.2.1 PID Readings

PID readings were made for one or more soil samples collected from each of the test borings completed as part of this investigation. The PID values for each sample are included in the test boring logs, in Exhibit A. The maximum PID value obtained for samples from each test boring are included in Table 6 below. Those values higher than the PID value of 10 used by the Vermont Department of Conservation are indicated by bold type. (The *Agency Guidelines for Petroleum Contaminated Soil and Debris*, prepared and issued by the Department of Environmental Conservation, Waste Management Division (WMD) "encourages the use of a photoionization detector (PID) for the direct screening of soil or

debris contaminated with gasoline, fuel oils, and used oil.", and establishes PID readings < 20 ppm gasoline and < 10 ppm fuel oils as the most restrictive criteria for soil handling. Excavated soils with PID readings below these values may be used to backfill a UST excavation, so long as no sensitive receptor is immediately affected.) All PID readings and depths at which these readings were obtained are included in test boring logs in Exhibit F.

Table 6 PID Readings of Test Hole Samples

TEST HOLE	MAX. PID READING	TEST HOLE	MAX. PID READING	TEST HOLE	MAX. PID READING
OPH - A	28	OPH - I	27	OPH - Q	43
OPH - B	17	OPH -J	2.6	OPH - R	24
OPH - C	21	OPH - K	0	OPH -S	0
OPH - D	21	OPH - L	62	OPH - T	15
OPH - E	6	OPH - M	0	OPH - U	0
OPH - F	20	OPH - N	0	OPH - V	0.4
OPH - G	22	OPH - O	0	OPH - W	0
OPH - H	18	OPH - P	33	OPH - X	100

4.2.2 Basement Investigation

PID readings were also taken in the basement of those buildings on the property closest to the presumed release site. Each reading was taken at a crack in the basement walls, or at holes through the walls at pipe and drain locations. The reading for each location are included in Table 7. The locations of these basement soil gas samples are shown in Figure 3.

Table 7 PID Readings of Basement Wall Holes Sept.'99

WALL HOLE	BUILDING	PID READING	WALL HOLE	BUILDING	PID READING
BAS-1	33	0.0	BAS-11	13	0.0
BAS-2		0.0	BAS-12	14	0.0
BAS-3		0.0	BAS-13		0.0
BAS-4		0.0			
BAS-5		0.0			
BAS-6	12	0.0			
BAS-7		0.0			
BAS-8		0.0			
BAS-9		0.0			
BAS-10		0.0			

As part of the Scope of Work for the Expressway Investigation, PID readings were to be

taken at cracks and openings within the covered millrace. However, due to high water levels, it was not safe or practical to carry the PID into the millrace. During the inspection of the millrace, no visual or olfactory evidence for contamination was observed.

4.2.3 Free Product

Free product was present in soil samples from some test borings and Geoprobe® holes. No free product layer was observed in monitor wells during the March and September 1999 installations and well samplings, but a discontinuous sheen was observed in the development/purge water containers when monitor well water samples were collected from monitor wells MW-1, MW-2, MW-3 and MW-4. No film has been observed at MW-6, MW-7 and MW-8. Table 8 lists holes where free product was seen. Depths where oil was encountered are included on test boring logs in Exhibit F, and on sampling logs in Exhibit I.

Table 8 Test Holes with Free Product
February, March and September, 1999

Test Hole	In Soil	In Water	Test Hole	In Soil	In Water	Test Hole	In Soil	In Water
OPH - A	**yes**	**trace sheen**	OPH -J	no	no	OPH -S	no	no
OPH - B	**yes**	n/a	OPH - K	no	no	OPH - T	**yes**	**trace sheen**
OPH - C	**yes**	n/a	OPH - L	**yes**	**trace sheen**	OPH - U	no	no
OPH - D	**yes**	**trace sheen**	OPH - M	no	no	OPH - V	no	no
OPH - E	**yes**	**trace sheen**	OPH - N	no	no	OPH - W	no	no
OPH - F	**yes**	**trace sheen**	OPH - O	no	no	OPH - X	**yes**	n/a
OPH - G	**yes**	**trace sheen**	OPH - P	**yes**	**trace sheen**			
OPH - H	**yes**	n/a	OPH - Q	**yes**	n/a			
OPH - I	**yes**	n/a	OPH - R	**yes**	n/a			

n/a - no observation available (no water sample)

MFG inspected the monitor wells on February 11, 2000 and re-inspected MW-2 on March 31, 2000 for floating layers. MFG's observations are included in Exhibit H. The results of EHS observations in March and September of 1999 and MFG's observations in February and March of 2000 are summarized in Table 9, below.

Table 9 - Presence/Absence and Thickness of Free-Phase Product in Monitor Wells

Well	Date of Observation			
	March 15, 1999	September 16, 1999	February 2000	March 1999
MW-1	film on purge water	discontinuous film on purge water	none	no measurement taken
MW-2	film on purge water	film on purge water	0.08'	none
MW-3	film on purge water	discontinuous film on purge water	none	no measurement taken
MW-4	film on purge water	none	none	no measurement taken
MW-6	wells not installed	none	none	no measurement taken
MW-7		none	none	no measurement taken
MW-8		none	none	no measurement taken

An oil skimmer was installed in MW-2 on September 1, 2000.

4.3 Laboratory Analytical Results

4.3.1 Soils

Selected soil samples were submitted to the laboratory for analysis. The samples selected were those from each test boring associated with the highest PID readings, and where the oil was most visible. Data for samples collected in February/March, May and September are listed in Tables 10, 11 and 12. Also included in the September results are analyses for four samples collected by MFG at the site of EHS test borings. Documentation of the MFG samples are included in Exhibit H, and analyses for the MFG samples are included in Exhibit K. The soil sample concentrations are compared to U. S. EPA Region III Risk-Based Concentrations (RBCs) for industrial exposure settings, dated April 13, 2000. These comparison concentrations are not established by any state or federal regulation, but are commonly used as comparison standards, and are one of several risk-based comparisons referred to in Vermont DEC guidance documents.

Table 10 Soil Analytical Results for February and March, 1999

Compounds \ Location	OPH-A 8-10'	OPH-B 8-10'	OPH-C 8-10'	OPH-D 8-10'	OPH-G 12-14'	OPH-H 12-14'	OPH-I 8-10'	Region III RBCs (Industrial)
Benzene µg/Kg	<5.0	<5.0	<5.0	<100	<100	<100	<100	100,000
Ethylbenzene µg/Kg	297	82.8	27.3	<200	<200	<200	<200	200,000,000
Toluene µg/Kg	<25	<25	<25	<200	<200	<200	<200	410,000,000
Xylenes µg/Kg	150	29.3	40.8	<200	<200	<200	450	*4,100,000,000
PAHs µg/Kg	BDL	BDL	BDL	ntf	ntf	ntf	ntf	not applicable
Total Petroleum Hydrocarbons *mg/l*	16,100	7,120	8,670	990	3400	1100	770	no standard available

BDL - Below Detection Limits
ntf - not tested for
* - Region III comparison value exceeds unity for xylene, actual standard listed

Table 11 Soil Analytical Results for May 1999

Compounds \ Location	OPH-K 12'	OPH-J 8-12'	OPH-Q 8-12'	OPH-P 10-12'	OPH-R 8-12	Trip Blank	Region III RBCs (Industrial)
VOCs							
Benzene µg/Kg	<5	<250	ntf	<5.0	ntf	<2	100,000
Ethylbenzene µg/Kg	<5	3,920	ntf	648	ntf	<2	200,000,000
Toluene µg/Kg	<5	<250	ntf	112	ntf	<2	410,000,000
Total Xylenes µg/Kg	<5	800	ntf	<25	ntf	<2	*4,100,000,000
Total Petroleum Hydrocarbons mg/kg	ntf	49,500	1,280	ntf	3,260	ntf	no standard available

ntf - not tested for
* - Region III comparison value exceeds unity for xylene, actual value listed

Table 12 Soil Analytical Results for September 1999

Compounds \ Location	EHS sample	MFG Samples				Region III RBCs (Industrial)
	OPH-T 8'	S-5 (OPH-T) 8'	S-7	S-8	S-10 (OPH-X)	
VOCs (µg/Kg)						
Methylene Chloride	< 10.0	3.2 (B)	4.5 (B)	2.8 (B)	2.4 (B)	760,000
Benzene	<5.0	3.0	< 1.2	< 1.2	1.7	100,000
Ethylbenzene	<5.0	1.8	< 4.8	< 4.4	< 4.4	200,000,000
Toluene	<5.0	1.2	< 6	1.3	4.5	410,000,000
Total Xylenes	18.2	11.0	< 6	< 6.2	1.0	*4,100,000,000
p-Isopropyltoluene	55.1	ntf	ntf	ntf	ntf	no standard available
n-Propylbenzene	10.7	ntf	ntf	ntf	ntf	no standard available
Napthalene	81.6	ntf	ntf	ntf	ntf	41,000,000
1,2,4-Trimethylbenzene	125.	ntf	ntf	ntf	ntf	100,000,000
1,3,5-Trimethylbenzene	60.1	ntf	ntf	ntf	ntf	100,00,000
Total Petroleum Hydrocarbons mg/kg						no standard available
Diesel Range (DRO)	12,900	6,800	BDL	BDL	336	
Gasoline Range (GRO)	ntf	26	BDL	BDL	12	

(B) - also detected in laboratory blank
ntf - not tested for
* - Region III comparison value exceeds unity for xylene

4.3.2 Ground Water

Ground-water samples were collected in February/March, May and in September of 1999 from selected test borings, and from monitor wells. Data for the ground-water samples are listed in Tables 13, 14 and 15. MFG collected split samples from the wells in September, 1999. Analytic values for the split samples are included in Table 15 as the italicized values. All ground-water detections are compared to the Vermont Primary Ground-Water Quality Standard Enforcement Standard.

Table 13 Ground Water Analytical Results for February and March

Compounds \ Location	boring OPH-A	MW 1	MW 2	MW 3 & Dup.	MW 4	Field Blank	Trip Blank	Vermont GQS
LNAPL (visible sheen on water)	trace	trace	trace	trace	trace	none	none	n/a
Benzene µg/l	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	5
Ethylbenzene µg/l	<1	<1	<1	<1 <1	<1	<1	<1	700
Toluene µg/l	<2	<1	<1	<1 <1	<1	<1	<1	1,000
Xylenes µg/l	8.6	3	11	<1 1	<1	<1	<1	10,000
Total Petroleum Hydrocarbons mg/l	74	12,000	43,000	16,000 11,000	870	<1	<1	n/a

Table 14 Ground Water Analytical Results for May 1999

Compounds \ Location		MW 1	MW-2	MW-3	MW-4	Trip Blank	Vermont GQS
BTEX							
Benzene	µg/l	<2	<2	<2	<2	<2	5
Toluene	µg/l	<2	<2	<2	<2	<2	700
Ethylbenzene	µg/l	<2	<2	<2	<2	<2	1,000
Total Xylenes	µg/l	<2	<2	<2	<2	<2	10,000
SVOCs							
Acenaphthene	µg/l	26	163	<10	<10	ntf	n/a
Anthracene	µg/l	<10	<100	<10	<10	ntf	2,100
bis(2-ethylhexyl) phthalate	µg/l	<10	<100	13	<10	ntf	n/a
Dibenzofuran	µg/l	15	<100	<10	<10	ntf	n/a
Flouranthene	µg/l	<10	169	<10	<10	ntf	280
Flourene	µg/l	29	146	<10	<10	ntf	280
Naphthalene	µg/l	<10	<100	<10	<10	ntf	20
Phenanthrene	µg/l	26	330	<10	<10	ntf	n/a
Pyrene	µg/l	<10	135	<10	<10	ntf	n/a
Other SVOCs		BDL	BDL	BDL	BDL	ntf	n/a

BDL - Below Detection Limits (generally < 10 µg/l for most compounds in samples from MW-1, MW-2 and MW-4, and < 100 µg/l for most compounds in samples from MW-2. For some compounds, the method detection limits are higher)

n/a - no applicable standard

ntf - not tested for

Table 14 continued Water Analytical Results for May 1999

Compounds / Location		OPH-J	OPH-K	OPH-L	OPH-M	OPH-O	Vermont GQS
BTEX							
Benzene	µg/l	<2	<2	<2	<2	<2	5
Toluene	µg/l	<2	<2	<2	<2	<2	700
Ethylbenzene	µg/l	<2	<2	<2	<2	<2	1,000
Total Xylenes	µg/l	<2	<2	4.8	<2	<2	10,000
SVOCs							
Acenaphthene	µg/l	<10	<10	<500	<10	<10	n/a
Anthracene	µg/l	<10	<10	546	<10	<10	2,100
bis(2-ethylhexyl) phthalate	µg/l	<10	<10	<500	<10	<10	n/a
Dibenzofuran	µg/l	<10	<10	<500	<10	<10	n/a
Flouranthene	µg/l	<10	<10	<500	<10	<10	280
Flourene	µg/l	<10	<10	898	<10	<10	280
Naphthalene	µg/l	<10	<10	<500	<10	<10	20
Phenanthrene	µg/l	10	<10	1450	<10	<10	n/a
Pyrene	µg/l	<10	<10	<500	<10	<10	n/a
Other SVOCs	µg/l	BDL	BDL	BDL	BDL	BDL	n/a

BDL - Below Detection Limits (generally < 10 µg/l for most compounds in samples from OPH-J, OPH-K, OPH-M and OPH-O, and < 500 µg/l for most compounds in samples from OPH-L. For some compounds, the method detection limits are higher)

n/a - no applicable standard

Table 15 Ground Water Analytical Results for Sept.16, 1999

Compounds \ Location	MW-1	MW-2 (dup)	MW-3	MW-4	MW-6	MW-7	MW-8	Trip Blank	Field Blank	Vermont GQS
Benzene µg/l	<1.0 *< 0.3*	<1.0 <1.0 *< 0.3*	<1.0 *< 0.3*	<1.0 *< 0.3*	<1.0 *< 0.3*	<1.0 *< 0.3*	<1.0 *< 0.3*	<1.0 *< 0.3*	<1.0 *< 0.3*	5
Ethylbenzene µg/l	<1.0 *< 0.3*	<1.0 <1.0 *< 0.3*	<1.0 *< 0.3*	<1.0 *< 0.3*	<1.0 *< 0.3*	<1.0 *< 0.3*	<1.0 *< 0.3*	<1.0 *< 0.3*	<1.0 *< 0.3*	700
Chloroform* µg/l	<1.0 *< 0.4*	<1.0 <1.0 *< 0.4*	<1.0 *< 0.4*	<1.0 *< 0.4*	5.7 ***5.1***	<1.0 *< 0.4*	<1.0 *< 0.4*	<1.0 *< 0.4*	<1.0 ***0.5***	6
Toluene µg/l	<1.0 *< 0.3*	<1.0 <1.0 *< 0.3*	<1.0 *< 0.3*	<1.0 *< 0.3*	<1.0 *< 0.3*	1.8 ***2.5***	<1.0 *< 0.3*	<1.0 *< 0.3*	1.5 *< 0.3*	1,000
Xylene µg/l	<1.0 *< 0.3*	4.0 4.2 *3.7*	<1.0 *< 0.3*	<1.0 *< 0.3*	<1.0 *< 0.3*	<1.0 *< 0.3*	<1.0 *< 0.3*	<1.0 *< 0.3*	<1.0 *< 0.3*	10,000
Napthalene µg/l	6.4 *5.3*	58.6 58.4 *76*	< 5 ***0.5***	< 5 *< 0.1*	< 5 *< 0.1*	< 5 *< 0.1*	< 5 *< 0.1*	< 5 *< 0.1*	< 5 *< 0.1*	20
Other VOCs**	BDL *BDL*	BDL BDL *BDL*	BDL *BDL*	BDL *BDL*	BDL *BDL*	BDL *BDL*	BDL *BDL*	BDL *BDL*	BDL *BDL*	not applicable

BDL - Below Detection Limits (generally < 1.0 µg/l for most compounds in samples from all wells. For some compounds, the method detection limits are higher)

* Chloroform is not a normal component in petroleum hydrocarbon fuels; also, it has not been detected in any other sample from this Site.

** Bromoform, Bromodichloromethane and Dibromochloromethane were detected in the MFG field blank, but not in the trip blank or any of the environmental samples.

4.3.3 Surface Water

Surface water samples were collected from the downstream section of the millrace in May and September of 1999. The laboratory analytical results for these samples are listed in Table 16, along with the field blank for the September data.

Table 16 Water Analytical Results for Surface Water

Compounds \ Location		Mill Race May 21, 1999	Mill Race Sept. 16, 1999	Sept. Field Blank
Benzene	µg/l	<2.0	<1.0	<1.0
Ethylbenzene	µg/l	<2.0	<1.0	<1.0
Toluene	µg/l	<2.0	1.1	1.5
Xylene	µg/l	<2.0	<1.0	<1.0
Other VOCs		ntf	BDL	BDL
All SVOCS		BDL	ntf	ntf

BDL = Below Detection Limits
ntf = Not tested for

5.0 RISK ASSESSMENT

EHS performed a qualitative assessment of human health risks in accordance with Vermont Agency of Natural Resources' two-tiered approach to the evaluation of human health risks at a hazardous release site (refer to *Corrective Action Guidance*, Vermont Agency of Natural Resources, Department of Environmental Conservation, November 1997)

The qualitative evaluation of risk was performed by comparing sampling results from the various environmental media to their respective state or federal environmental standards or with risk-based concentrations (RBCs). The risk comparisons show that most of the site constituents are at maximum concentrations of at least an order of magnitude below the comparison values. The exceptions to this observation are benzene and some of the semivolatile organic compounds (particularly the polycyclic aromatic hydrocarbons, or PAHs) in groundwater. The next two paragraphs describe these exceptions.

Benzene was never detected above the method detection level in any of the environmental samples collected at the Site. However, under the conservative assumptions of risk assessments, the practical quantitation limits (the detection limit for one particular sample in one particular analysis) for benzene analysis in soil, groundwater, and surface water samples at the Wallingford site were compared to the respective Vermont or risk-based standards. The comparison reveals that practical quantitation limits for benzene in groundwater samples from the Wallingford facility are within an order of magnitude less than the comparison values.

Concentrations of some of the semivolatile organic compounds (SVOCs, particularly the polycyclic aromatic hydrocarbons, or PAHs) were detected in groundwater at the Wallingford site. However, five of the nine detected SVOCs do not have an established Vermont Primary Groundwater Quality Enforcement Standard (refer to Chapter 12: *Groundwater Protection Rule and Strategy*, Vermont Agency of Natural Resources, Department of Environmental Conservation, November 1997). Two of the PAHs, fluorene and naphthalene, were detected at concentrations within one order of magnitude greater than the Vermont Primary Groundwater Quality Enforcement Standard.

As part of this qualitative risk assessment, potentially exposed human receptors and exposure pathways were evaluated for this Site and are discussed above in Section 2.4 of this Site Investigation Report. The current and future potentially exposed population is assumed to be a commercial/industrial worker (i.e., no children on site and no adults living on site). Groundwater and surface water exposure pathways are not considered complete for this Site because neither groundwater nor surface water in the vicinity of the Site is used for drinking water or showering purposes. Nearby homes and businesses are supplied with public drinking water that is drawn from a well field that is south of town and upgradient of the Site. The nearby Otter Creek was not observed as being used for public drinking water or showering. Volatilization of soil vapors from contaminated soil is not considered a significant exposure pathway at this Site because air samples collected from numerous basement buildings located as near as 200 feet from the petroleum release site did not reflect any elevated VOC readings. Dermal contact of future site excavation workers to contaminated soil, inadvertent ingestion of contaminated soil or inhalation of contaminated soil particulates are also considered unlikely exposure pathways because contaminated soil was detected at a depth of eight to ten feet below grade, below the typical depth required for utility excavations. Thus, no likely, significant, and/or complete potential human exposure pathways were identified for

the Wallingford True Temper facility.

The results of the qualitative risk comparisons fall within the situation (cited in *Corrective Action Guidance*, Vermont Agency of Natural Resources, Department of Environmental Conservation, November 1997, and described in Section 2.0 of the text of the qualitative risk assessment) in which the Soils Management Section (SMS) of the Vermont DEC may ask for additional evaluation concerning risk, including additional qualitative, and in some cases, quantitative evaluation of risk posed by the hazardous compounds. The SMS evaluates these situations on a case-by-case basis.

The complete text of the qualitative risk assessment is included as Exhibit L.

6.0 INTERPRETATIONS and CONCLUSIONS

6.1 Area of Contamination

Oil-contaminated soil and/or ground water was found in an area of the property. The approximate area is shown in Figure 4, which is based on the soil and ground-water analyses, the PID screening of soil samples. The area (as defined by visible oil in the soil, soil and ground-water analytical results in excess of comparison standards, and PID readings above the Vermont DEC screening standard of 10) was found at fifteen locations and was generally near the depth of the water table, which was about 10 feet below grade. Elevated PID readings were obtained for soil samples above the ground-water table only within the area immediately surrounding the tank which is suspected of being the cause of the Release.

The water table slopes to the northwest, with a gradient of 0.011 feet per foot. Oil contamination appears to have migrated laterally to the northeast and southwest.

Test holes and monitor wells west of the culvert encountered no significant oil contaminated soil, no free floating product, and no significant dissolved chemicals in the ground water. No elevated PID readings (above the Vermont DEC standard of 10) were detected for soil samples from west of the culvert. No floating layers or films were observed in test boring water or monitor well samples collected from west of the culvert. Elevated levels of total petroleum hydrocarbons and detectable ethylbenzene and xylenes were found in one soil sample collected from OPH-J, located to the west of the culvert, downgradient from the presumed site of the Release, and adjacent to an area used for truck refueling. Field notes indicate that the soil containing the visible oil staining was a thin layer, (about ½ foot thick), with no visible free-phase oil, and that the sample was collected from only within the oil-stained soil interval. A water sample collected from OPH-J contained no detectable volatile organic compounds. Monitor well MW-7 was installed near the site of OPH-J. No oil-stained soil was detected in the test boring, and only trace levels of toluene were detected in the monitor well samples collected in September 1999. Based on these results, the apparent soil contamination detected in samples from OPH-J is of limited extent, has limited to no impact on the ground-water quality, and may not be related to the Release from the former fuel oil UST. The plume has no detectable impact on the adjacent surface waters, as documented by the analyses of water samples collected from the millrace.

6.2 Contaminant Fate and Transport

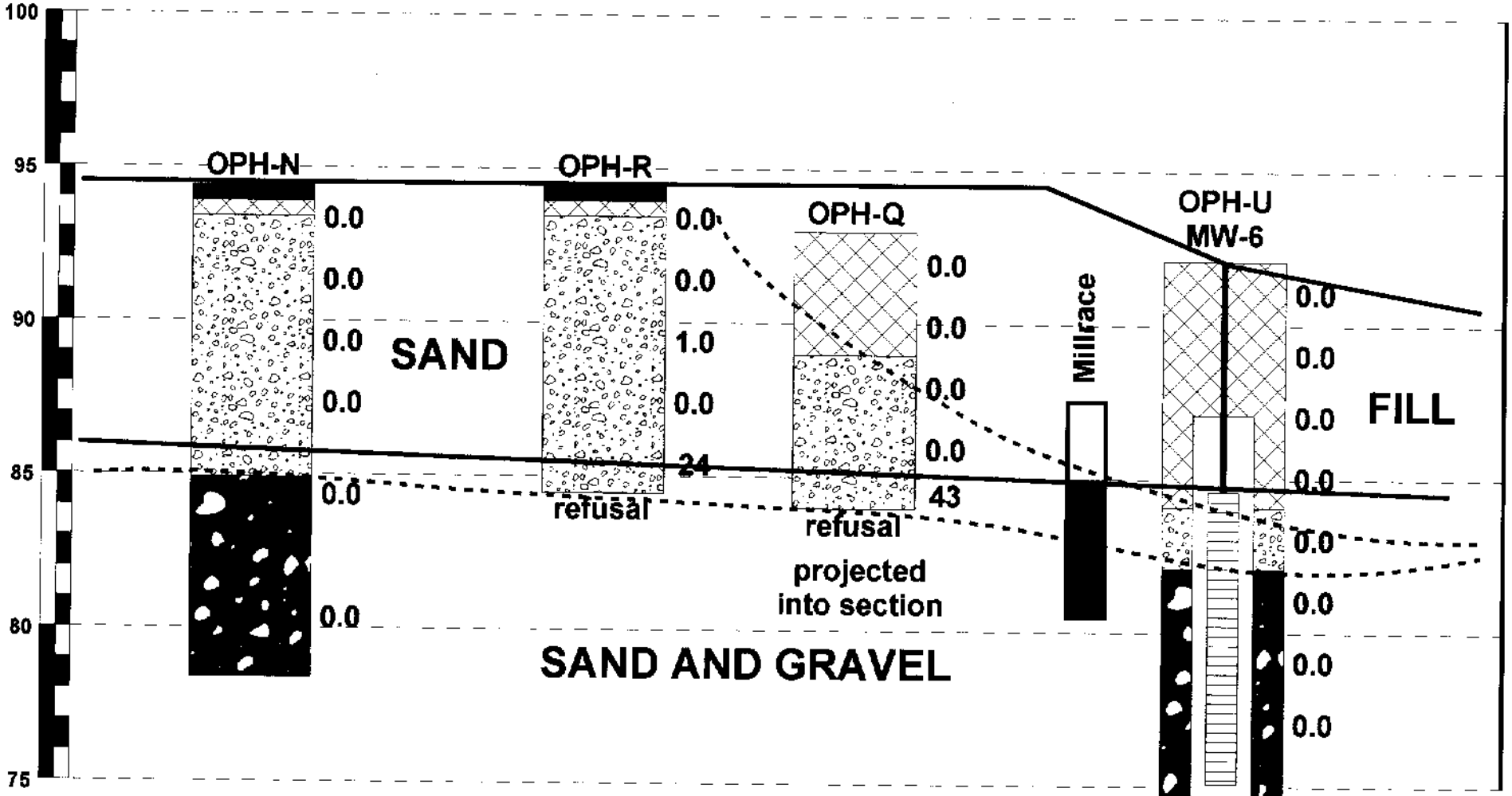
Based on the distribution of oil-contaminated soil on the property, the source of the release appears to have been the 108,000 gallon buried tank, located in the center of the area where soil contamination was found, or in associated piping leading into and out of this tank. The released oil would have migrated downward to the ground-water table, then laterally to the northeast and southwest, floating on the ground water. As ground-water levels have risen and fallen, the oil has adhered to the mineral grain surfaces over a vertical distance of about 3 feet or less.

The extent of oil migration, measured by this investigation from the release site is illustrated in Figures 5, 6 and 7, which show the materials encountered in the subsurface, the ground-water table, the position of the culverted millrace, and the PID readings obtained during screening of the soil samples Water samples collected from the downgradient monitor wells did not contain any of the

dissolved components in excess of Vermont primary ground-water standards. Migration to the southwest and northeast along the margins may have occurred.

While no free-phase product more extensive than a film on the purge water container was observed in the test holes and monitor wells during 1999 (while water levels were falling), a free-product layer had accumulated at MW-2 between September 1999 and February 2000 (while water levels presumably stabilized at seasonally-low levels). No free product was observed at the other six monitor wells in February 2000. By the end of March 2000, the spring thaw had occurred, snowpack in the surrounding mountains had melted, and ground-water levels rose by about two feet. The free-product layer at MW-2 was no longer present. The free-product observations with time suggest that there is residual liquid oil present within a smeared zone within the limits of fluctuation of the ground-water table. This oil can migrate downward and accumulate as a free-product layer in an area surrounding MW-2 at times of seasonally-low water, but is stranded on the soil when ground-water levels rise.

Concentrations will not increase, as the 108,000 gallon tank which was the presumed source of the oil no longer contains oil, and therefore cannot release additional oil into the environment. With time, the most volatile components of the oil will evaporate, and the remaining, less volatile constituents will be digested by soil bacteria.



Vertical Scale 1" = 5'
Horizontal Scale 1" = 20'
Vertical Exaggeration 4X

Artificial Fill 0.0 PID reading

Sand ------- Lithologic Contact

Sand and Gravel ——— Water Table (Sept., 1999)

Well Casing

Well Screen

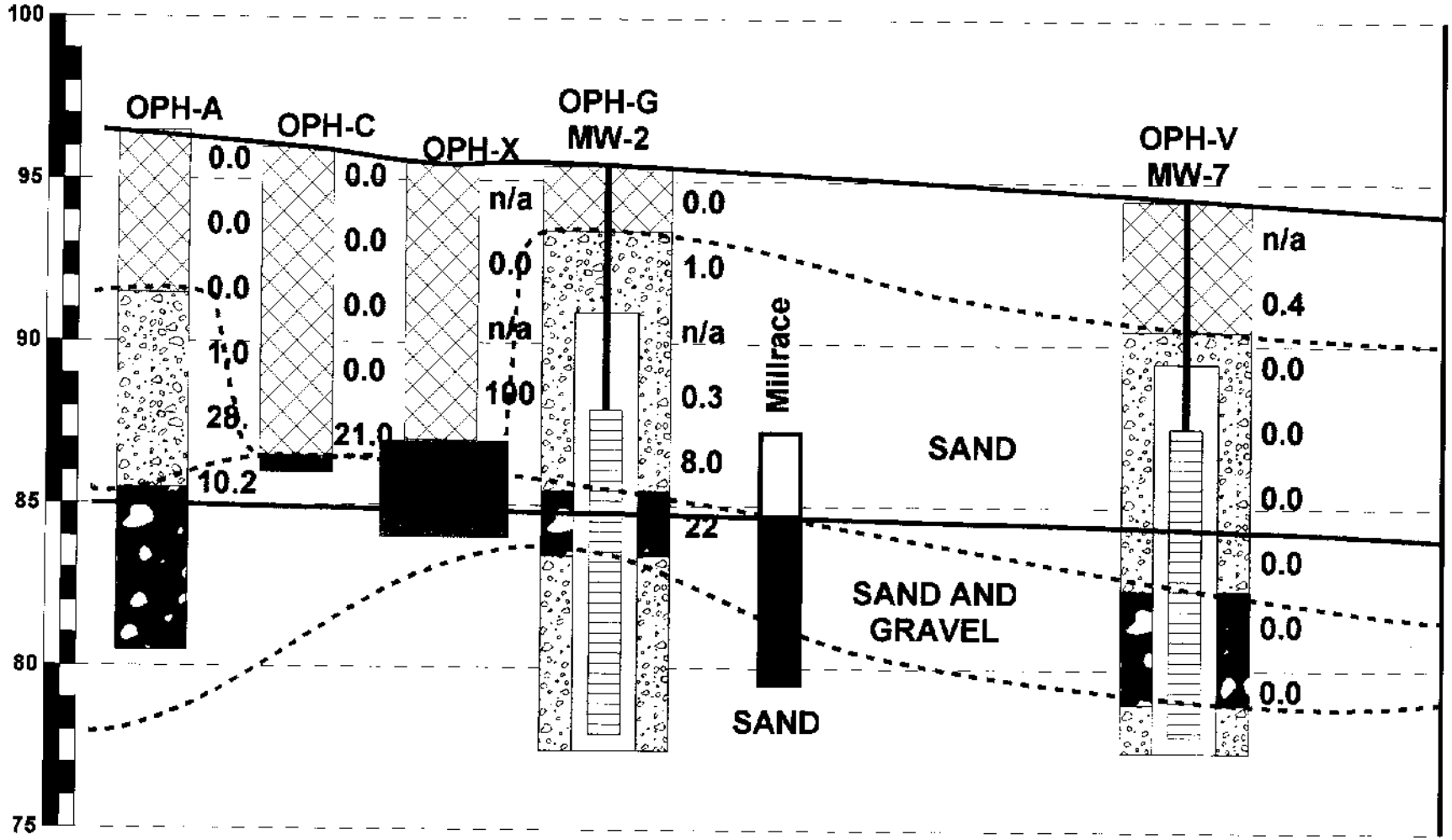
Filter Pack

Figure 5 - Geological Cross Section OPH-A to OPH V

True Temper, Wallingford, VT

EHS TECHNOLOGY GROUP

Project: H99019i
Drawn By: JMC
Date: 05/23/00



Vertical Scale 1" = 5'
Horizontal Scale 1" = 20'
Vertical Exaggeration 4X

Artificial Fill 0.0 PID reading

Sand ------- Lithologic Contact

Sand and Gravel _____ Water Table (Sept., 1999)

Well Casing

Well Screen

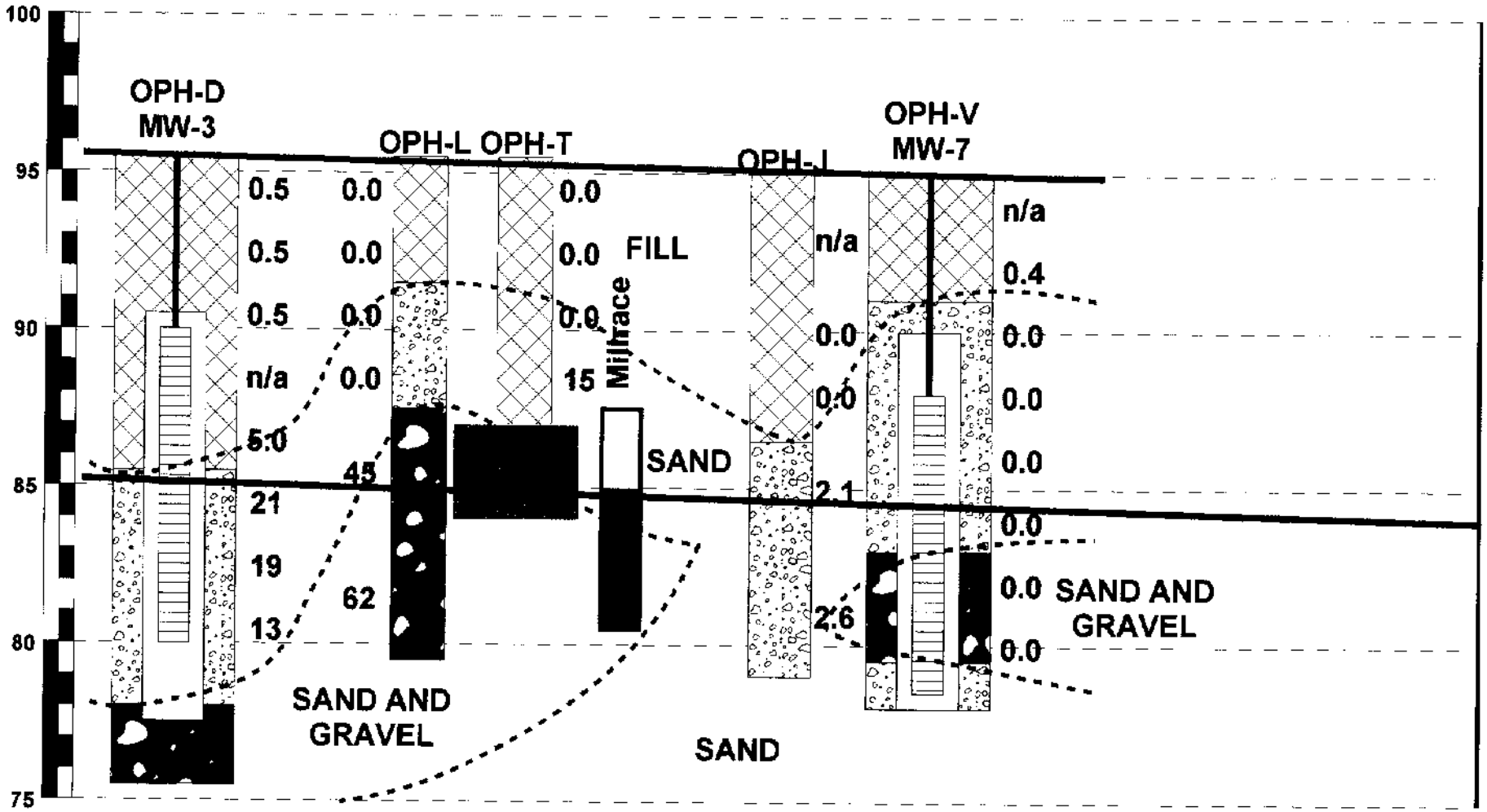
Filter Pack

Figure 6 - Geological Cross Section OPH-A to OPH V

True Temper, Wallingford, VT

EHS TECHNOLOGY GROUP

Project: H99019i
Drawn By: JMC
Date: 05/23/00



Vertical Scale 1" = 5'
Horizontal Scale 1" = 20'
Vertical Exaggeration 4X

Artificial Fill 0.0 PID reading

Sand ------- Lithologic Contact

Sand and Gravel ——— Water Table (Sept., 1999)

Well Casing

Well Screen

Filter Pack

Figure 7 - Geological Cross Section OPH-D to OPH V

True Temper, Wallingford, VT

EHS TECHNOLOGY GROUP

Project: H99019i
Drawn By: JMC
Date: 05/23/00

6.3 Conclusions

Oil-contaminated soil and ground water has been encountered in a limited area through a series of investigations at the True Temper Mill, Wallingford, Vermont. The lateral and vertical extent of the contamination has been approximated through collection of soil, ground water, surface water and air samples, and is shown in Figure 4. The oil appears to have originated from a 108,000 gallon underground storage tank, formerly used to store heating oil, but now used to store water as part of a fire suppression system. Fate and transport analysis indicates that the oil will not migrate further, and will remain beneath the property. Qualitative risk assessments indicate that the maximum concentrations of soil and ground-water contaminants are within an order of magnitude of the screening levels defined in VtDEC guidance documents, and that oil-contaminated soil does not pose a significant health risk to commercial workers on site.

EHS has successfully completed a Site Investigation, which includes all tasks listed in the Scope of Work approved by VtDEC except for those that were physically impossible (as described in this report), has outlined the approximate lateral and vertical extent of soil and ground-water contamination, and has completed a qualitative risk assessment. Based on the results of this investigation, EHS recommends a Corrective Action as follows:

1. Passive collection of free-phase oil from MW-2, and

2. Annual observations to confirm the effectiveness of the removal of floating oil, if present.

7.0 REFERENCES

- Conrad, D and Dudley, J. (1993) *Aggregate Resources of Vermont (with Sand and Gravel Resource Maps)*; Vermont Geological Survey

- Ferguson, H. J. (1998) *Soil Survey of Rutland County, Vermont*; U. S. Department of Agriculture, Natural Resources Conservation Service

- Fetter, C. W. (1988) *Applied Hydrogeology, 2nd Edition*; Macmillan Publishing Company, New York, NY, 592 p.

- Fullerton, D. S. (1992) *Quaternary Geologic Map of the Hudson River 4°x6° Quadrangle, United States and Canada*; U. S. Geological Survey Miscellaneous Investigation Map I-1420 (NK-18)

- Shumaker, R. C. and Thompson Jr., J. B. (1967) *Bedrock Geology of the Pawlet Quadrangle, Vermont*; Vermont Geological Survey Bulletin #30

- Stewart, D. P and MacClintock (1969) *The Surficial Geology and Pleistocene History of Vermont*; Vermont Geological Survey Bulletin #31

- Stewart, D. P and MacClintock (1970) *Surficial Geologic Map of Vermont*; Vermont Geological Survey Map

- Stewart, D. P (1970) *Geology for Environmental Planning in the Rutland-Brandon Region, Vermont*; Vermont Geological Survey, Water Resources Department, Environmental Geology #2

- *Agency Guidelines for Petroleum Contaminated Soil and Debris*, prepared and issued by the Department of Environmental Conservation, Waste Management Division (WMD)

The following references are from the Risk Assessment, included as Exhibit L.

- *Soil Screening Guidance: Technical Background Document* (May 1996), USEPA Office of Solid Waste and Emergency Response, EPA/540/R-95/128)

- *Risk Assessment Guidance for Superfund: Volume I, Human Health Evaluation Manual (Part A)*, (USEPA, Interim final, 1989)

- *Statistical Analysis of Ground-Water Monitoring Data at RCRA Facilities*, Interim Final Guidance (April 1989) and Addendum to Interim Final Guidance (April 1992), USEPA

- *Chapter 12, Groundwater Protection Rule and Strategy (Rule 97-P14)*, Vermont Agency of Natural Resources, Department of Environmental Conservation (Effective Date: November 15, 1997)

- *Vermont Water Quality Standards*...(Effective Date: April 21, 1997)

F-2 WORK PLAN

COPY

EDWARDS & ANGELL, LLP
A Massachusetts Limited Liability Partnership
Including Professional Corporations

COUNSELLORS AT LAW
since 1894

PARTNER IN CHARGE
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(973) 376-7700
FAX (973) 376-8380

FILE

Send copy to Mr. Michaud Mr. EY

August 3, 1999

Via Federal Express

Mr. Gerold Noyes, Environmental Engineer
State of Vermont - Department of Environmental Conservation
Waste Management Division
103 South Main Street/West Office
Waterbury, VT 05671-0404

RE: True Temper Hardware
2 Maple Street, Wallingford, Vermont
SMS Site No. 99-2618

Dear Mr. Noyes:

We represent True Temper Hardware, owner of the above referenced facility (the "Site"). Enclosed are the following documentation related to the release previously reported for the Site:

1. Site Investigation Expressway Notification Form;

2. Work Plan for Expressway Investigation of the Wallingford Sawmill; and

3. Illustrated Site map.

Pursuant to a contractual agreement between True Temper Hardware and the Huffy Corporation ("Huffy"), former owner of the Site, the enclosed documentation has been prepared by Huffy and its chosen environmental consultant, EHS Technology Group, LLC.

As soon as we receive the Vermont Department of Environmental Conservation's ("VtDEC") response to the enclosed we will schedule the proposed work. In the interim should you have any questions regarding the enclosed please feel free to contact me.

Very truly yours,

Noreen M. Fierro

Noreen M. Fierro

NMF/kv
Enclosure
cc: Mr. Charles Carpenter (w/encl.)
Eric J. Nemeth, Esq. (w/encl.)
Philip Shworer, Esq. (w/encl.)
Mr. John Checchio (w/encl.)

Waste Management Division
103 South Main Street/West Office
Waterbury, Vermont 05671-0404
(802) 241-3888, FAX (802) 241-3296

SITE INVESTIGATION EXPRESSWAY NOTIFICATION FORM

Site Owner: True Temper Hardware Corporation of USI Hardware and Tools

Prior Owner: True Temper Division of Huffy Corporation

Party Funding Investigation and Seeking PCF Coverage: Huffy Corporation

Site Name, Town: True Temper Sawmill, Wallingford

✔ Yes, this site will participate in the Site Investigation Expressway Process.

___ No, this site will not participate in the Site Investigation Expressway Process.

If yes, please complete the checklist below:

✓ Contamination present in soils above action levels ✔ Yes ___ No
If yes, summarize levels:
Soil intervals with the highest soil contamination were near the water table at 9'. Soil-sample PID readings ranged from 0 to 62 ppm with one location having a PID reading greater than 40 ppm, and ten locations having PID readings greater than 10 ppm

✓ Free product observed ✔ Yes ___ No

✓ Groundwater contamination observed ✔ Yes ___ No

✓ Surface water contamination observed ___ Yes ✔ No

✓ Suspected release of hazardous substances ___ Yes ✔ No
If yes, please explain:
n/a

✓ Affected receptors ___ Yes ✔ No
If yes, please identify receptors including names and addresses of third party receptors:
n/a

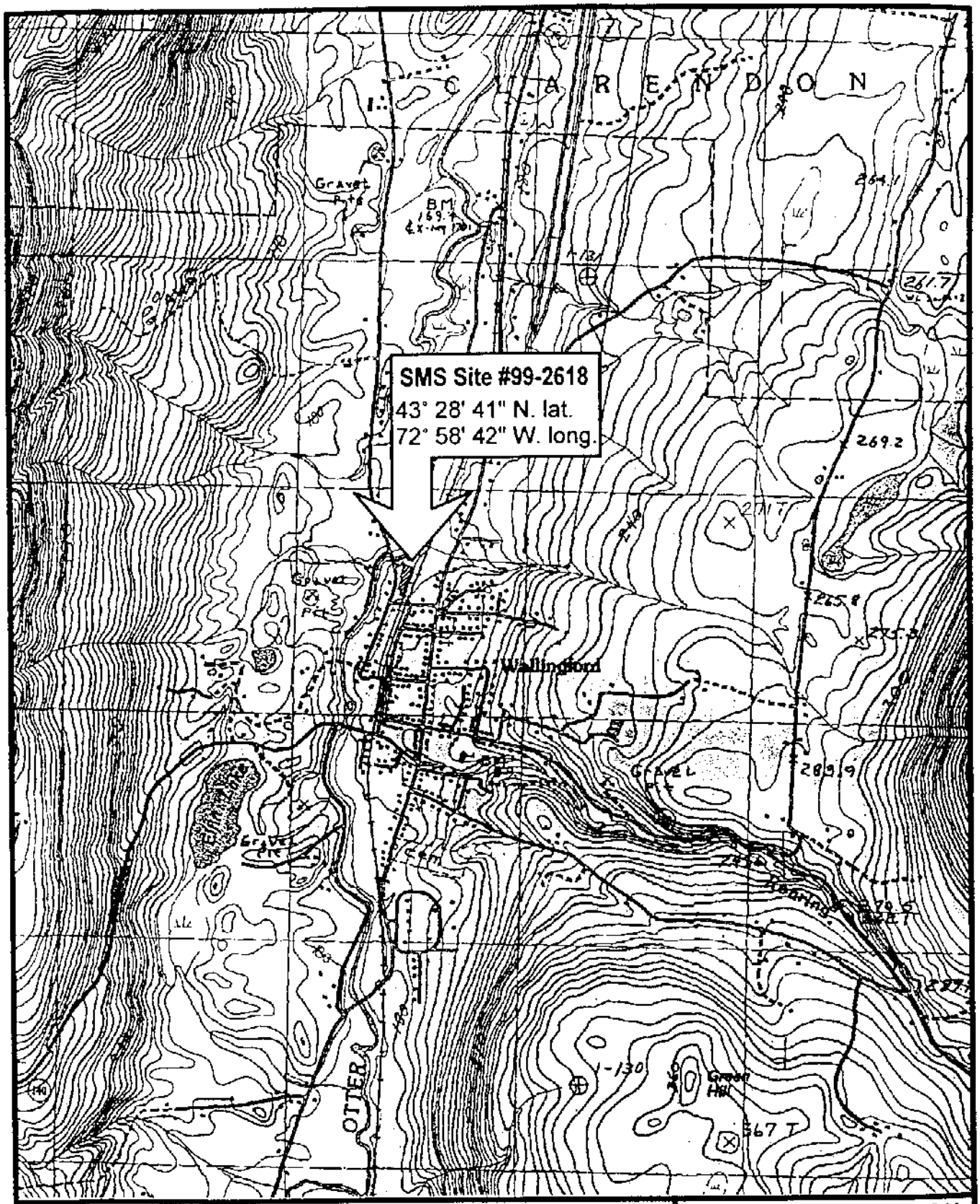
Please provide an estimated date when you expect to submit Site Investigation Report: 9/24/99

Owner's Signature/Date: Noreen M. Perry, Counsel for True Temper Hardw

Consultant's Signature/Date: [illegible]

The SMS has reviewed this expressway notification form and approves / disapproves of this action.

SMS Signature/Date _____



VERMONT

N

Contour Interval 6 meters (20 feet)

Approximate Scale in Feet

0 2000 4000 6000

Reference: Wallingford, VT Quadrangle
USGS 7.5 Minute Series (Topographic)
1986 Provisional Edition - DRG format

Figure 1 - SITE LOCATION
True Temper Sawmill
Wallingford, VT

EHS TECHNOLOGY GROUP

Project: H99019f
Drawn By: JMC
Date : 04/09/99

Work Plan for Expressway Investigation of the Wallingford Sawmill

Prepared for Huffy Corporation by EHS Technology Group, LLC

1.0 Introduction

As part of the sale of the True Temper Division, the Huffy Corporation (Huffy) conducted a subsurface soil and groundwater investigation of the Wallingford Sawmill, 2 Maple Street, Wallingford, Vermont. Petroleum product contamination was observed in soil and ground water samples. Nine soil borings were constructed (4 were completed as groundwater monitor wells) at former fuel unloading and underground storage tank (UST) locations. Soil samples containing up to 16,100 mg/kg and groundwater samples with up to 43,000 mg/l of total petroleum hydrocarbons were noted. Petroleum odors and sheens were noted in the samples taken and at the soil boring locations. Results of the investigation were provided to the Vermont Department of Environmental Conservation (VtDEC) by the current owner, USI Hardware & Tools (USIHT) on June 2, 1999. Based on the contamination found at the Wallingford Sawmill, the VtDEC Sites Management Section (SMS) determined additional work is necessary to determine the severity of contamination. The VtDEC SMS also determined that "[after reviewing the files of the UST program for this property, the past and current underground storage tanks at the Wallingford Sawmill appear eligible for participation in the Petroleum Cleanup Fund (PCF)]. Thus, the investigation described below will be performed by Huffy in accordance with SMS guidance for the purpose of reimbursement by the PCF.

2.0 Scope of Work

The proposed scope of work is based upon the tasks outlined by the VtDEC's letter dated June 7, 1999.

2.1 Define the Degree and Extent of Contamination

<u>Vt DEC requirement</u>: Further define the degree and extent of contamination to the soil.

<u>Huffy Proposal:</u> To further define the degree and extent of contamination to the soil, four additional soil borings will be completed. The approximate locations of the additional soil borings are depicted on the site diagram provided as Attachment A. Soil samples have been collected at 19 locations to define the horizontal extent of contamination to the soil. Selected samples have been field screened and/or laboratory analyzed to determine the degree of contamination. The vertical extent of contamination will be determined by collecting soil samples from a test boring advanced to ten feet below the ground water table (or auger refusal) near the center of contaminated soil. The horizontal extent of contamination has been determined by the collection of soil samples at increasing distances away from the location where contamination was initially discovered.

Soil samples will be collected from test borings. EHS will notify utility companies, as required by law, to locate buried public utility lines in the area of the subsurface investigation prior to any drilling or excavation. All field operations will be performed under the direct supervision of an EHS geologist. Test borings will be advanced by a truck-mounted drilling rig, under a subcontract to EHS, using 3¼, 4¼, or 6¼ inch I.D. hollow stem augers, or a Geoprobe™ macro sampler. Actual depths will be field determined by the on-site geologist.

Continuous split-spoon or direct-push (Geoprobe®) samples will be taken from soil borings. The borings will be logged by a qualified geologist familiar with the local stratigraphy. Sampling equipment will be decontaminated between samples to avoid cross contamination. Drilling equipment will be decontaminated between drilling sites by a high temperature and high pressure cleaning. Cuttings will be drummed and stored on site until laboratory analysis results are available to determine proper disposal. EHS will arrange for the proper methods of disposal of the such wastes. Test borings not completed as monitor wells will be backfilled with bentonite clay.

All soil samples will be characterized, checked for olfactory and visual evidence of contamination, and organic vapors will be field measured with a photoionization detector (PID) using a 10.2 eV probe.

Based on field screening, samples representative of the most obviously contaminated zones or most likely-to-be-contaminated zones will be selected for laboratory analysis by EHS. Chemical analysis of samples will be performed by an independent laboratory under a subcontract with EHS. Soil samples will be analyzed for volatile organic compounds (VOCs) by EPA method 8260, and/or total petroleum hydrocarbons by 8015.

An oil sample will be collected, if possible, and analyzed for viscosity, density, K_{oc}, etc.

A representative soil sample, selected by EHS, will be delivered to a geotechnical testing laboratory for bulk density, fraction organic content, pH, REDOX potential, grain size, permeability and porosity analyses as appropriate.

2.2 Air Space Evaluation

<u>Vt DEC requirement</u>: If appropriate, determine if the airspace beneath the site and site adjacent building(s) (e.g. basements) has been impacted by the release using a PID. Wall and floor construction and susceptibility to vapor migration should be noted. PID measurements should be made in cracks and/or joints likely impacted. If the airspace has been impacted, SMS requests confirmatory sampling and laboratory analysis be performed using EPA Method TO-2.

Huffy Proposal: Air samples will be collected in the nearby basements and in the culverted mill race that is on the down-gradient side of the plume. Areas to be sampled are depicted on the site diagram provided as Attachment A. Air sampling will be done with a PID using a 10.2 lamp. If the air space has been impacted, confirmatory sampling and laboratory analysis will be performed using EPA method TO-2. Areas to be sampled will also be inspected for potential confounding sources of organic contamination such as chemical storage, fuel combustion, or manufacturing operations.

2.3 Groundwater Contamination Evaluation

Vt DEC requirement: Determine the degree and extent of contamination, if any, to groundwater. A sufficient number of monitoring sites should be installed to adequately define the severity of site contamination. Analyze groundwater samples for volatile organic compounds (VOCs) using EPA Method 8260. At sites proximal to water supply sources, determine the hydrologic relationship of the contaminated area to the water supply source. Pumping influences should be considered in the evaluation.

Huffy Proposal: Water samples have previously been collected from the four monitor wells (two times), from the mill race (once), and from eight test borings (six lab tested). The previous water samples have been tested for benzene, toluene, ethylbenzene and xylenes (BTEX) and/or semi-volatile organic compounds (SVOCs). It is proposed that water samples be collected from four new monitor wells, the four existing wells and the mill race, and be analyzed for the full list of volatile organic compounds (VOCs).

Data collected from test borings and monitor wells will include depth to product (if present), product thickness (if present), depth to the water table and chemical contaminants present.

The possible impact on the mill race will be investigated by the collection of a water sample from the mill race near the northern property line. A floating boom will also be strung across the mill race to see if any oil film is collected.

Monitor wells will be constructed of 2 or 4 inch diameter PVC casing and screen. Well heads will be completed with flush mount well covers set in a concrete pad because of their location in traffic areas. Screened sections of the monitor wells will be set across the water table and will be a minimum of five feet below the expected seasonal low of the water table. Wells will be developed by repeated surging, then pumping or bailing to remove sediment and create a good connection with the aquifer. When monitor wells are to be sampled, water levels will be measured to the nearest 0.01 foot and non-aqueous phase liquids will be checked for. The wells will be purged to remove stale water in the casings. Monitor-well samples will be collected with a disposable polyethylene bailer. Mill-race samples will be collected

by dipping the sample bottle in the water. Water samples from the Geoprobe holes will be collected in disposable tubing with a foot valve. Samples will be immediately placed in bottles supplied by the laboratory and placed in a cooler with ice. The monitor well samples will be field tested for temperature, pH and specific conductivity. Field instruments will be calibrated prior to each days use.

Developing, purging, and decontamination water will be drummed and stored on site until laboratory analysis results are available to determine proper disposal.

Water samples will be preserved as appropriate to the required analysis, and transported to the lab under standard chain-of-custody protocol. Chemical analysis of samples will be performed by an independent laboratory under a subcontract with EHS. Water samples will be analyzed for VOCs by EPA method 8260.

2.4 Sensitive Receptor Impact Assessment

<u>Vt DEC requirement</u>: Assess the potential for contaminant impact on sensitive receptors. Base this update on all available information and include basements of adjacent buildings, nearly surface water, any proximal drinking water sources, wetlands, sensitive ecologic areas, outdoor or indoor air, sewers or utility corridors. Sample and analyze any at-risk water supplies for VOCs.

<u>Huffy Proposal:</u> To assess the potential for contamination impact on sensitive receptors, EHS will conduct a review of the available literature and records to determine the proximity of sensitive receptors in the area. The search will check such things as: published state geological and water literature, well completion records from the Department of Water Resources, soil surveys, and utility company records. At-risk water supplies will be sampled and analyzed for VOCs.

2.5 Groundwater Long-Term Treatment and/or Monitoring Needs Assessment

<u>Vt DEC requirement</u>: Determine the need for long-term treatment and/or monitoring that addresses groundwater contamination.

<u>Huffy Proposal:</u> EHS will evaluate the need for long-term treatment and/or monitoring that addresses groundwater contamination by conducting a qualitative, and if necessary, a quantitative risk assessment.

The qualitative approach will entail obtaining representative sampling results for each possible pathway of concern. For ground water, surface water, indoor air, and outdoor air, Vermont standards will be used for comparison. For soils, a risk based concentration will be used for comparison.

If site representative sampling results exceed Vermont or USEPA generic standards, a quantitative human health risk assessment may be required. If necessary, a

quantitative risk assessment will be performed using standard risk assessment protocols from the U.S. Environmental Protection Agency's (USEPA's) *Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual, Part A*, (Interim Final, 1989) which includes performance of four steps: data evaluation, exposure assessment, toxicity assessment, and risk characterization. The quantitative risk assessment will evaluate current and future risks from an industrial exposure scenario only (i.e. risks to children and from drinking or showering in the ground water will not be evaluated). The quantitative risk assessment will present an evaluation of the risk from the primary compounds of concern identified in the Site Investigation. These compounds of concern include #2 fuel oil, motor oil, diesel, and kerosene. The quantitative risk assessment will incorporate site-specific exposure parameters where available; otherwise, it will use default exposure parameters from Vermont or USEPA risk assessment guidelines.

2.6 Free Phase Petroleum Recovery Assessment

<u>VtDEC requirement</u>: Actively recover any free phase petroleum product measured in the ground in excess of 1/8 inch. If this is done manually, a log must be maintained which documents the dates product is measured, the thickness of the product and the amount removed.

<u>Huffy Proposal:</u> Previous sampling has not encountered free product in excess of 1/8 inch thick. However, EHS will install a passive oil collection system if floating product is found in any of the monitor wells greater than 1/8 inch thick. The passive oil collection device will consist of a skimmer system which incorporates the use of a buoy assembly to remove free product down to a sheen. Periodically, the canister will be emptied manually though a drain valve and the date, product thickness and removed volume will be recorded.

2.7 Summary Report

<u>VtDEC requirement</u>: Submit a summary report that outlines the work performed, as well as provides conclusions and recommendations. As appropriate, include analytical data; a site map showing the location of any potential sensitive receptors, stockpiled soils and monitoring or sample locations; an area map; detailed well logs; and a groundwater contour map.

<u>Huffy Proposal:</u> To document the work performed and to provide conclusions and recommendations, EHS will prepare a summary report. This report will include: analytical data; a map showing the location of any potential sensitive receptors, stockpiled soil; and monitoring or sample locations; an area map; detailed well logs; and a ground water contour map.

The report will be organized as follows:

- Maps showing
  - general location
  - site plan
  - monitoring or sample locations
  - location of any potential sensitive receptors
  - ground water contours and flow directions
- A review of the history of the site
- A review of the regional geology
- Field documentation including:
  - drilling logs,
  - as-built drawings of the monitor wells,
  - field sampling logs and chain-of-custody forms for all samples,
- Documentation of protocol used in the field and laboratory
- Tabulated data and actual laboratory analysis reports
- Calculations of
  - elevations
  - contaminant movement
  - risk assessments
- EHS 's interpretations and conclusions,
- Recommendations

2.8 Work Plan or Expressway Form

Vt DEC requirement: With the Workplan or Expressway form, please submit a site location map at an approximate scale of 1:24000 showing the location of the site. Please include a scale, a north arrow, the SMS site number, and a citation of the source map. The purpose of this map is to enable the SMS to enter the site location into a Geographical Information Systems database.

Huffy Proposal: The Expressway Form and site location map are provided as Attachment B.

2.9 Corrective Action Feasibility Report and a Corrective Action Plan

Vt DEC requirement: Submit a report of a Corrective Action Feasibility Report (CAFI) and a Corrective Action Plan (CAP) if needed.

Huffy Proposal: If needed, to contain contaminants, to remove gross contamination, and/or to minimize/eliminate unacceptable risk or impacts to receptors, EHS will prepare a corrective action plan or long term monitoring plan after evaluating the data and conducting a feasibility investigation. The feasibility investigation report will include a general review of all appropriate remedial alternatives and a formal evaluation on one or more of the most appropriate remedial alternatives.

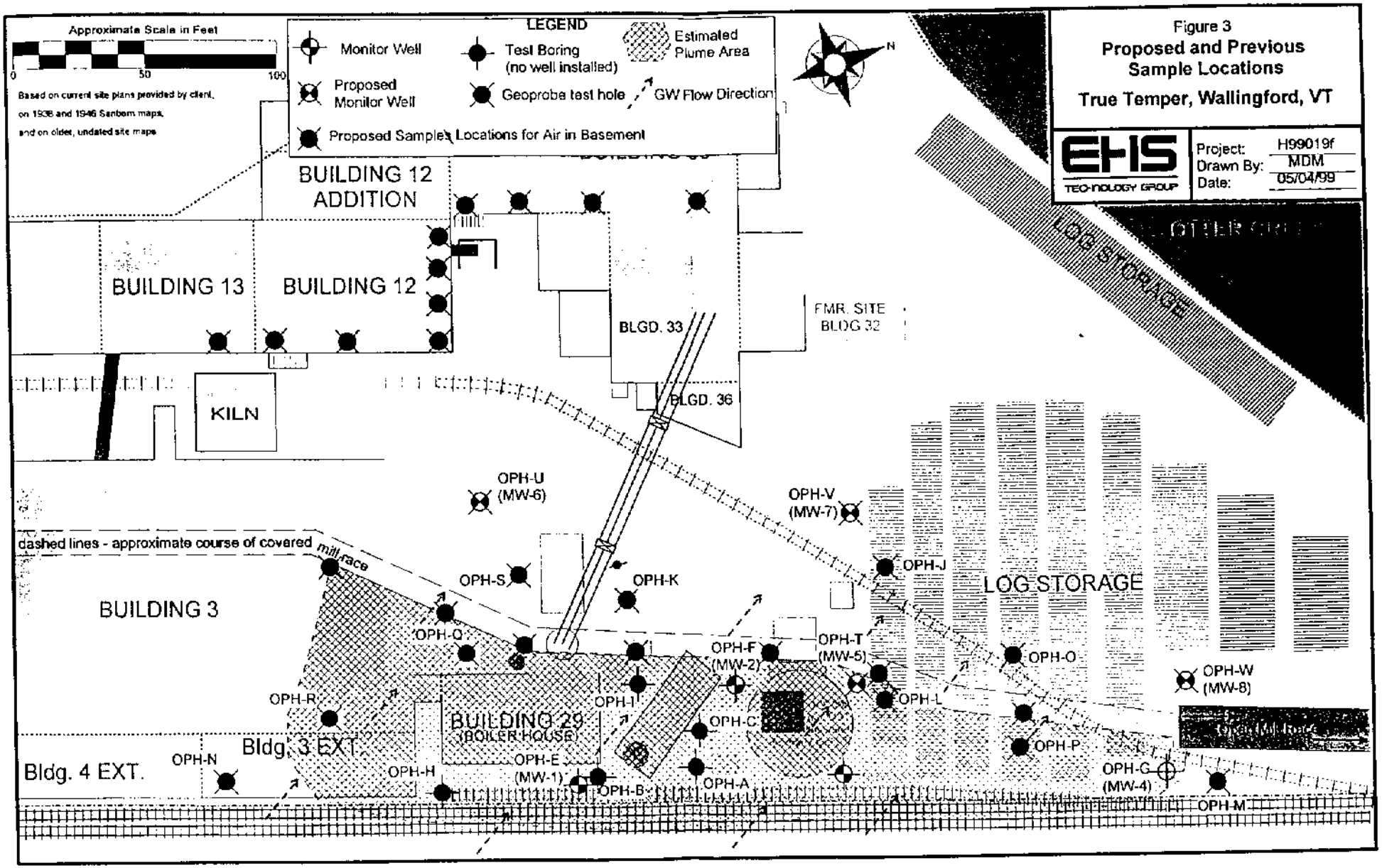


Figure 3
Proposed and Previous Sample Locations
True Temper, Wallingford, VT

EHS TECHNOLOGY GROUP

Project: H99019f
Drawn By: MDM
Date: 05/04/99

1938

HUFFY-TRUE TEMPER
WALLINGFORD 1938 N ↑
Scale: ~ 1"=2000'

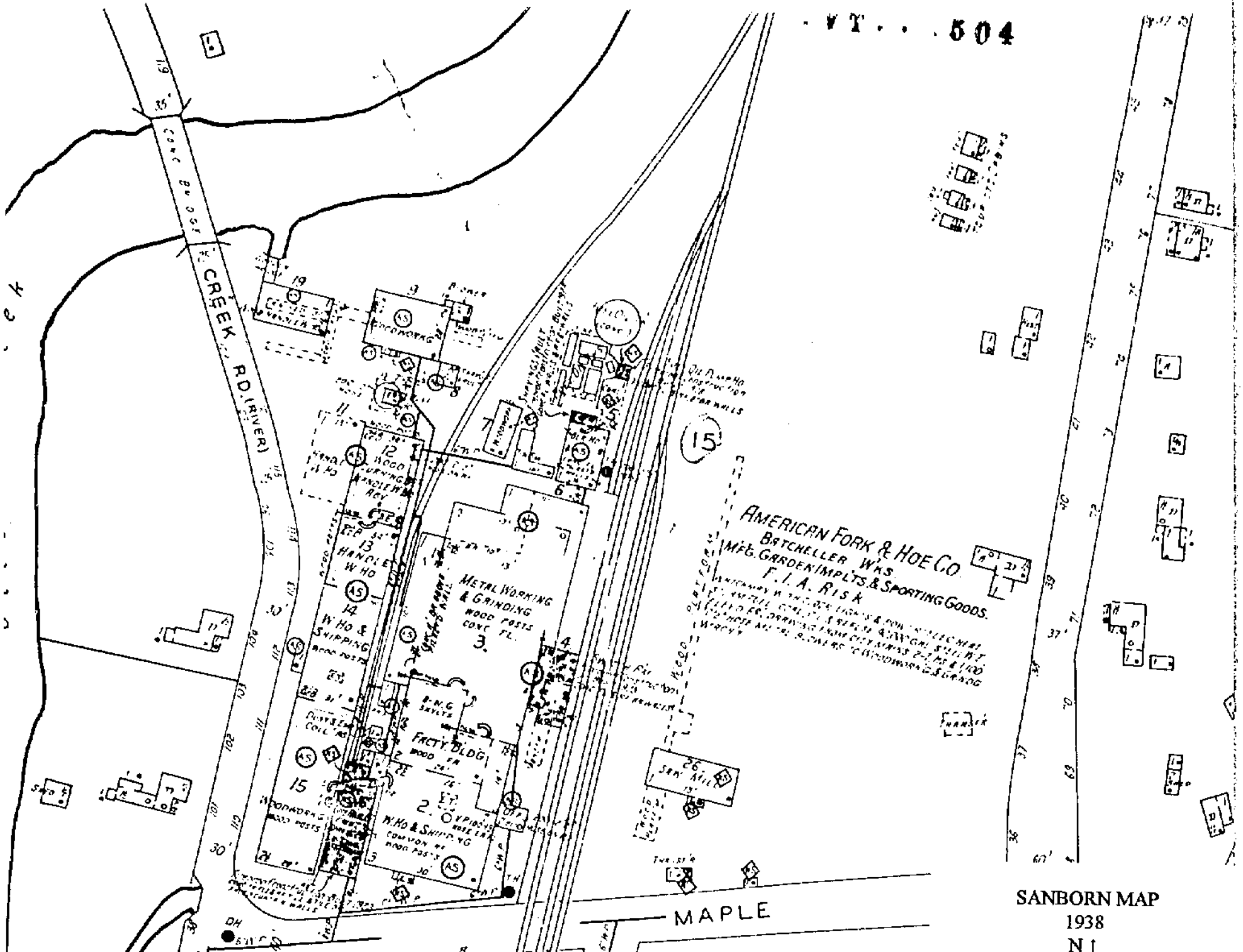
HUFFY-TRUE TEMPER
WALLINGFORD 1942 N ↑
Scale: ~ 1"=1667'

HUFFY-TRUE TEMPER
WALLINGFORD 1954 N ↑
Scale: ~ 1"=2400'

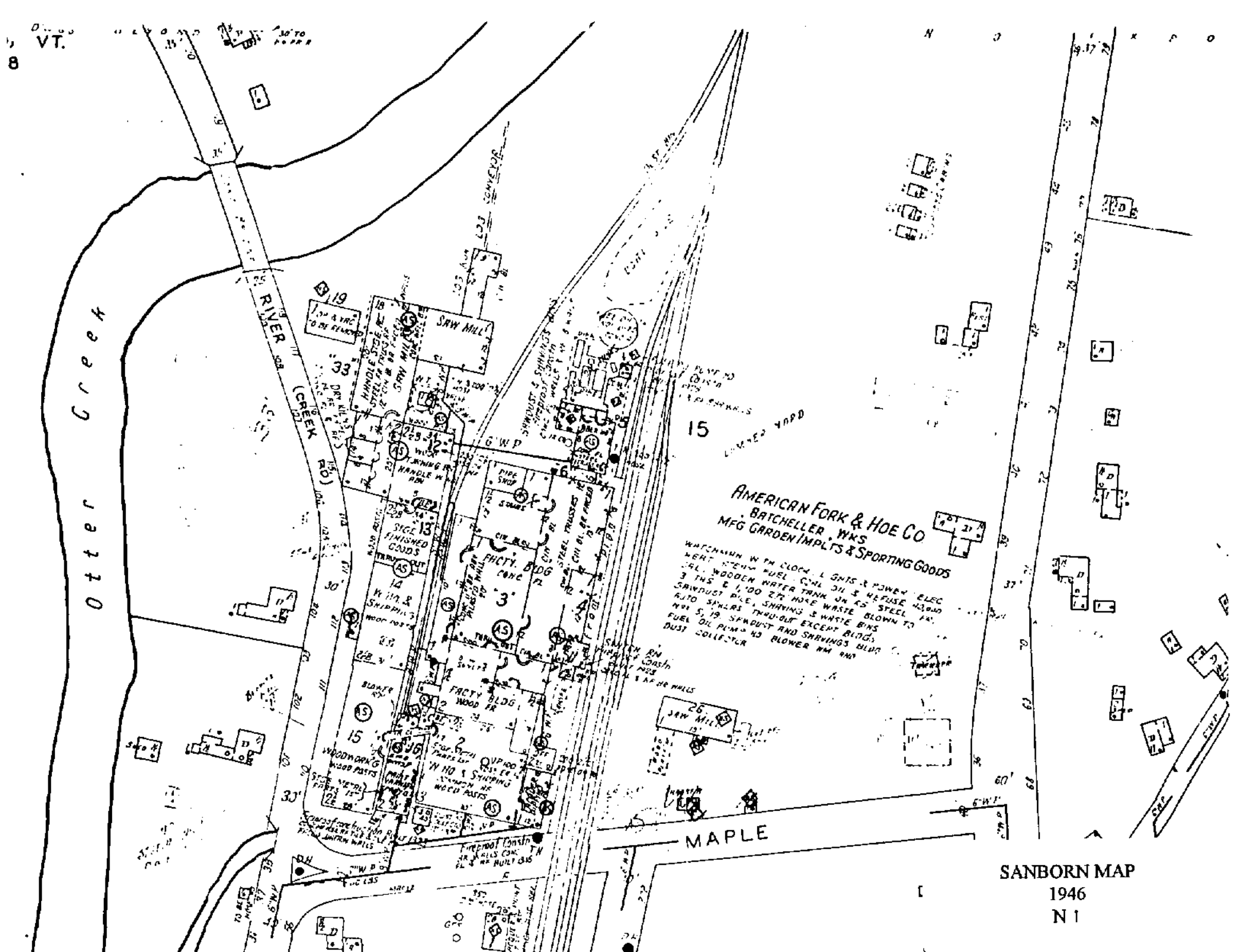
HUFFY-TRUE TEMPER
WALLINGFORD 1975 N 1
Scale: ~ 1"=1625'

HUFFY-TRUE TEMPER
WALLINGFORD 1986 N 1
Scale: ~ 1"=1675'

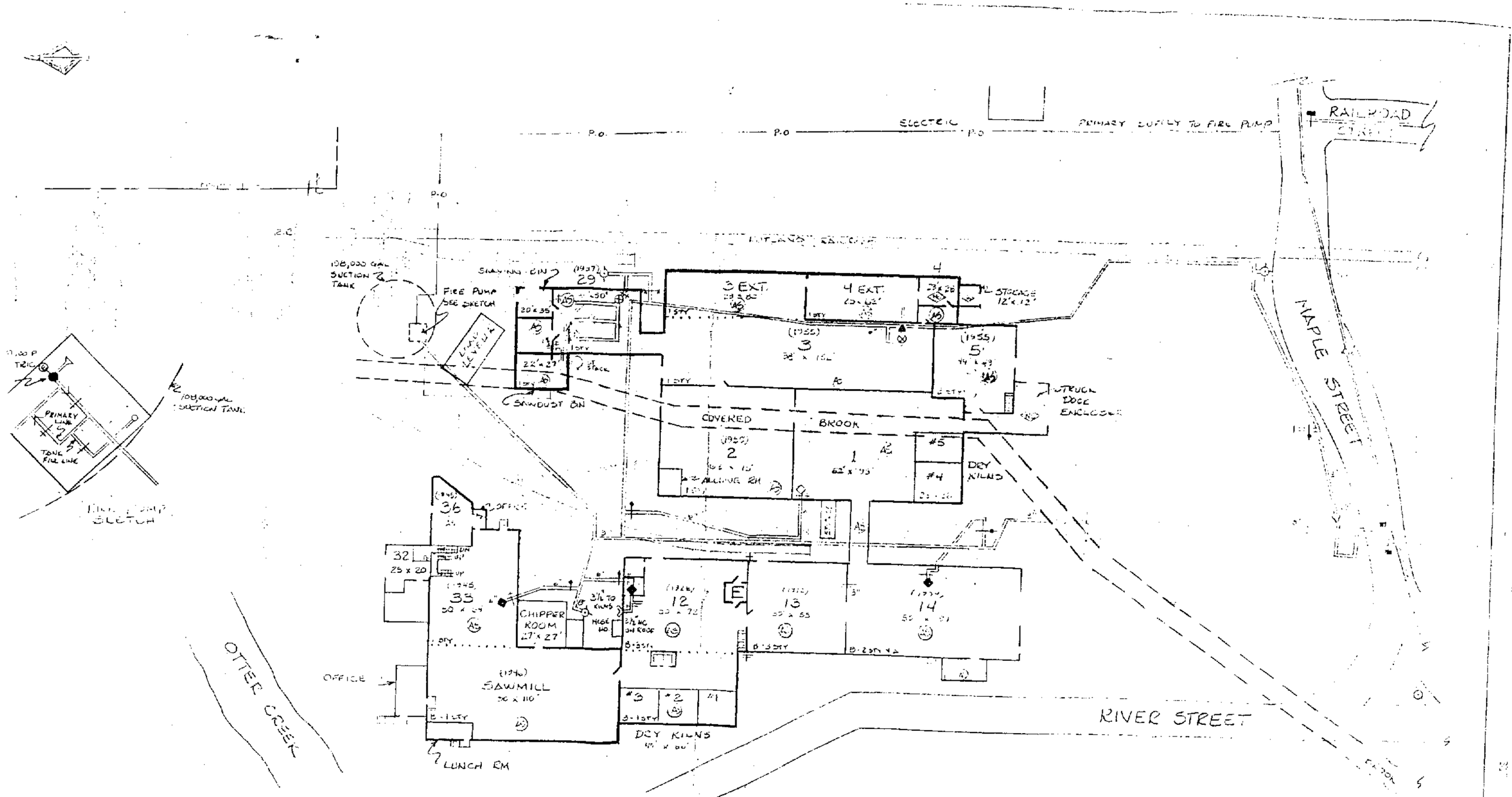
HUFFY-TRUE TEMPER
WALLINGFORD 1992 N
Scale: ~ 1"=825'



SANBORN MAP
1938
N ↑



SANBORN MAP
1946
N 1



LEGEND

...RANT		OHC	HOSE CONNECTION
...F VALVE		AS	SPRINKLERED BUILDING
...ER RISER		AS	UNSPRINKLERED BUILDING
...PT. CONNECTION			CHIMNEY
...VE		●	TRANSFORMER
...CATOR VALVE			STAIRS

BUILDINGS

1 WAREHOUSE
2 WAREHOUSE
3 GARAGE
3X STORAGE
4 ELECTRICAL PANEL RM.
4X MACHINE SHOP
5 PALLET SHOP
12 PRODUCTION
13 WAREHOUSE

NOTES

- THIS MAP WAS COMPILED FROM THE [illegible] EXISTING MAPS:
- PROPERTY [illegible] BATCHELLER [illegible]
- [illegible]

NO	REVISION DESCRIPTION	DATE	BY	APP

SITE DESCRIPTION

Figure 1 shows the general location of the site in Wallingford, Rutland County, Vermont. Figure 2 shows the site plan. The site consists of the True Temper sawmill and surrounding property. The property includes 10.84 acres of land. The sawmill sits in the middle of the property. The log piles and spray yard are located on the north side of the plant.

The True Temper sawmill produces wooden dowels that will be finished into the handles for True Temper products including rakes, hoes, shovels, shears and other gardening hand tools. Logs are purchased from suppliers, then debarked, sawed and turned into unfinished dowels. The dowels are kiln dried on-site, then sent to the Union City, Pennsylvania facility where they are final turned and finished with varnish. This sawmill has 23 employees and operates one shift per day. The sawmill currently saws approximately 44,000 log feet per week. The plant operates year round.

SITE HISTORY

The site history was developed based on a review of title documents at the Rutland County Recorder's office, an examination of historical aerial photographs and personal interviews. The information was used to determine past uses of this property. Qsource is not a title research company. Therefore, the chain of title information presented below should not be considered a title examination and should not be relied upon for determining clear title to this property.

The site consists of 10.84 acres located in Wallingford, Rutland County, Vermont.

The property is currently owned by H.C.A., Inc. (the Huffy Corporation, Inc.) which purchased the site from Emhart Industries, Inc. on November 2, 1990. Emhart Industries, Inc. had obtained this property through a warranty deed from Allegheny Ludlum Industries, Inc. on February 23, 1978. A confirmation deed, dated December 16, 1985 transferred title to the property from True Temper Corporation and Allegheny Industries to USM Corporation (which later changed its name to Emhart Industries, Inc.).

Allegheny Industries had purchased this property as six separate parcels. Parcel 1 was transferred to Allegheny Industries from The American Fork and Hoe Company on July 1, 1949. The American Fork and Hoe Company later changed its name to True Temper Corp. The American Fork and Hoe Company had obtained this parcel from Wallingford Manufacturing Company on December 13, 1924. Parcel 2, was obtained by Allegheny Industries from The American Fork and Hoe Company on September 24, 1929. Parcel 3, was purchased by Allegheny Industries from The American Fork and Hoe Company on August 19, 1947. The American Fork and Hoe Company had obtained this property from

L.G. Benjamin on March 4, 1942. Parcel 4, was obtained by True Temper Corporation on February 19, 1952. (True Temper was previously The American Fork and Hoe Company). True Temper had purchased this parcel from George F. and Mary P. Edmunds on March 24, 1947. Parcel 5, which contained 35 acres, was purchased by Allegheny Industries from The American Fork and Hoe Company on September 7, 1946. Parcel 6 was purchased by Allegheny Industries from The American Fork and Hoe Company on August 17, 1942.

Aerial photographs from 1962 and 1976 were reviewed at the Rutland County Soil and Water Conservation District Office. Copies of these aerial photographs are included in Exhibit B. Both aerial photographs show the site and surrounding properties as developed. Otter Creek is visible to the west in both photographs.

Mr. Joe Phillips, of True Temper, was interviewed regarding the site history. According to Mr. Phillips, this property has been developed since the 1800's. The plant originally began as a stone shop. Then in 1911, The American Fork and Hoe Company began operations on-site. The American Fork and Hoe Company produced hand tools similar to those produced by True Temper today. During the 1940's and 1950's, forging and metal treating operations were performed at this location. During the 1970's, the dowels were also finished with paints and lacquers at this location. Currently, this plant is a sawmill only. The buildings on-site range in age from 39 to 100 plus years.

ON-SITE INSPECTION

On August 14, 1991, Ellen Stanifer of Qsource performed an on-site inspection of the True Temper Sawmill. Observations are presented by category below.

Current Operations - The True Temper sawmill in Wallingford, Vermont produces wooden dowels that will be finished and used as the handles for True Temper products such as rakes, hoes, shovels, shears and other gardening hand tools. Logs are purchased from suppliers and staged on the north side of the site. The suppliers obtain the logs from New York and the New England area. This True Temper plant purchases ash, hard maple, yellow birch, oak and occasionally soft maple. The logs are continually sprayed with water to reduce cracking and insect infestation, which can damage the logs (Exhibit A, photo 1). The water is pumped from Otter Creek to a sediment pond before spraying on the logs. The logs are moved to the sawmill, where they are debarked (photo 2). Saws cut the logs into boards, and the boards are cut into square poles, which are then turned into round dowels (photos 3 and 4). Four kilns are used to dry the dowels (photo 5). Additional dowels are shipped from Pine Valley, New York and several other sawmill for kiln drying before being sent to Union City, Pennsylvania. The dried dowels are palletized and staged until they are shipped to the Union City, Pennsylvania plant, where they are final turned and finished with varnish (photo 6). The finished handles are sent to the Shiremantown, Pennsylvania plant for final assembly.

Some third party products, especially for the furniture mills, are also produced at this plant. In addition, pallets are produced on this site for True Temper use only.

TestAmerica
INCORPORATED

ANALYTICAL AND QUALITY CONTROL REPORT

Mike Morris
EHS TECHNOLOGY GROUP, LLC
P. O. Box 3040
Miamisburg, OH 45343-3040

06/09/1999

Job Number: 99.08081

Enclosed is the Analytical and Quality Control reports for the following samples submitted to the Dayton Division of TestAmerica, Inc. for analysis:

Sample Number	Sample Description	Date Taken	Date Received
538357	Trip Blank		05/24/1999
538358	OPH-MR	05/21/1999	05/24/1999
538359	OPH-LW	05/21/1999	05/24/1999
538360	OPH-MW	05/19/1999	05/24/1999
538361	OPH-K-12	05/19/1999	05/24/1999
538362	OPH-J 8-12	05/19/1999	05/24/1999
538363	OPH-Q 8-12	05/19/1999	05/24/1999
538364	OPH-P 10-12	05/20/1999	05/24/1999
538365	OPH-Oil	05/19/1999	05/24/1999
538366	OPH-R 8-10	05/20/1999	05/24/1999
538367	OPH-J 8-12	05/19/1999	05/24/1999
538368	OPH-OW	05/20/1999	05/24/1999
538369	OPH-KW	05/19/1999	05/24/1999
538370	OPH-JW	05/19/1999	05/24/1999
538371	MW1	05/20/1999	05/24/1999
538372	MW2	05/20/1999	05/24/1999
538373	MW3	05/20/1999	05/24/1999
538374	MW4	05/20/1999	05/24/1999
538375	Trip Blank		05/24/1999

The Quality Control report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

TestAmerica, Inc. certifies that the analytical results contained herein apply only to the specific samples analyzed.

Reproduction of this analytical report is permitted only in its entirety.

Enclosure

Approved By

3601 SOUTH DIXIE DRIVE / DAYTON, OH 45439 / 937-294-6856 / FAX: 937-294-7816

TestAmerica
INCORPORATED

NOTES AND COMMENTS

NET Job Number: 99.08081

Sample Number: 538360

Analysis: 8270 BNA

The recovery for the d12-Perylene internal standard is below the recommended acceptance limit. No target analytes are affected.

Sample Number: 538362, 538364

Analysis: BTEX Non-Aq

The percent recovery for surrogate 4-Bromofluorobenzene was above the recommended acceptance limit. This deviation was a result of matrix interference. The matrix interference was confirmed by duplicate analysis.

TPH 8015M ANALYSIS: HYDROCARBON TYPES FOUND

Lab No.	Sample ID	Hydrocarbon Type
538363	OPH-Q 8-12	Diesel Fuel/Motor Oil Range
538365	OPH-Oil	Kerosene Range
538366	OPH-R 8-10	Diesel Fuel/Motor Oil Range
538367	OPH-J 8-12	Diesel Fuel Range

EHS TECHNOLOGY GROUP

TELECONFERENCE

CLIENT/CONTACT:	**Jon Sonderman**	DATE:	May 30, 2000
COMPANY:	Test America, Inc.	PHONE NUMBER:	294-6856

EHS REPRESENTATIVE: J. Michael Clinch

PROJECT #: HUF02/H99019i

SUBJECT: Qualitative evaluation of oil

Following analysis of the May 1999 sampling event at the Huffy-True Temper Wallingford (Vt.) sawmill, Mike Morris (EHS) spoke with Jon Sonderman (Test America) regarding the nature and age of the oil encountered. Jon characterized the oil as "quite old" diesel-range composition oil. This observation was added to the draft Expressway Report completed for this site.

Edwards & Angell, LLP has requested additional documentation of this finding. I contacted Jon Sonderman, who confirmed the original conversation, and added additional details concerning his observations of the data.

According to Jon (telephone conversation 5/30/00):

1. The absence of benzene can be explained by either the presence of a diesel-type oil (heavier molecular weight, benzene concentrations low to absent) or as an old, degraded gasoline-type oil, where the lower-molecular weight benzene and toluene have evaporated or been bioremediated.

2. The presence of elevated DRO-range Total Petroleum Hydrocarbons (TPH) is indicative of the presence of a diesel-type oil (consistent with fuel oils) rather than a gasoline type oil.

3. If the oil were due to a motor oil release, higher concentrations of polycyclic aromatic hydrocarbons (PAHs) would have been present.

4. The low napthalene concentrations present in the samples, when compared to the TPH values indicates that the diesel-type oils are old and degraded.

When I reviewed what was known about the 108,000 gallon storage tank (fuel oil tank for some period of time, no longer used for fuel storage since prior to 1967 based on insurance maps) Jon felt that his qualitative description of the oils as an old degraded diesel-type oil were consistent with that history. Jon also suggested that the remaining oil was quite complex, and may have a complex history of releases and degradation.

cc:

Agency of Natural Resources
Department of Environmental Conservation

Water Supply Division
The Old Pantry Building
103 South Main Street
Waterbury, VT 05671-0403
802-241-3400
Fax: 802-241-3284

TRANSMITTAL SHEET

Date: 10/13/99 *Total Number of Pages:* 2

PLEASE DELIVER THE ACCOMPANYING MATERIAL TO:

Name: Mike Clinch

Firm:

Fax Number: 937-865-3611

Sender's Name: David Allerton

COMMENTS:

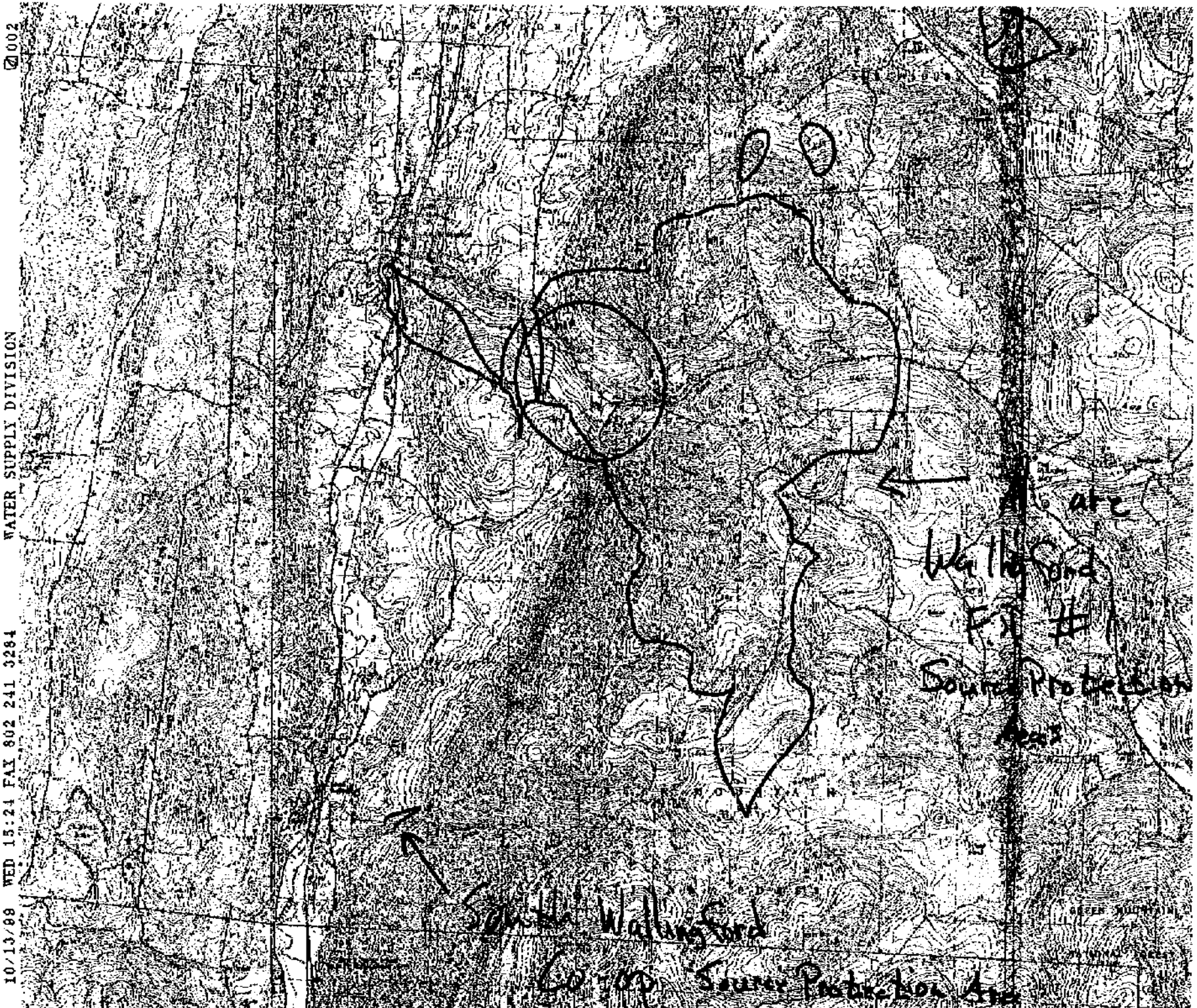
If the map does not fax well, I can mail it to you. Call and let me know.

Please call immediately if any pages are not received.

Name: David Allerton *Telephone* 802-241-3400

ad\fax.95

10/13/99 WED 15:24 FAX 802 241 3284 WATER SUPPLY DIVISION 002

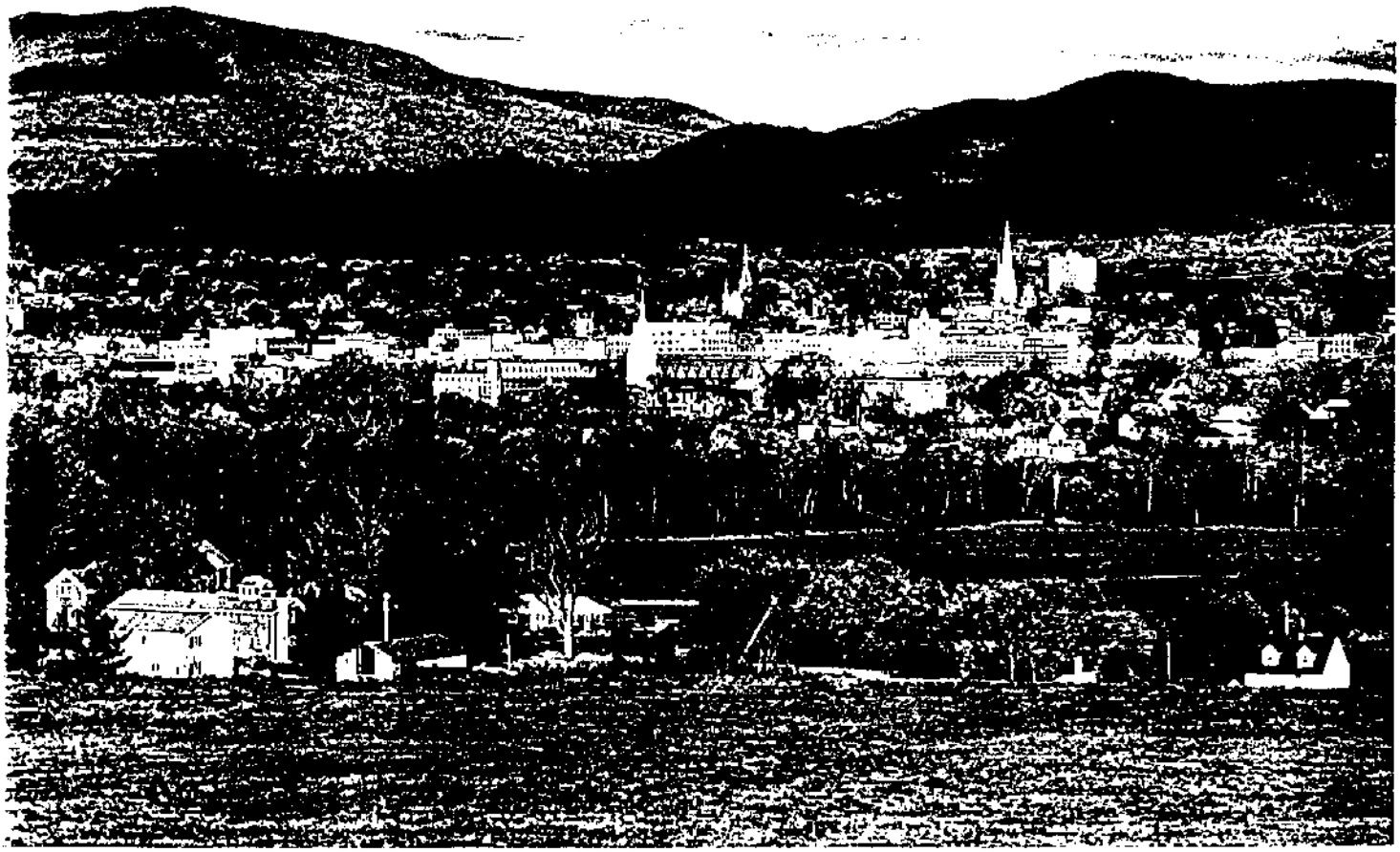


United States
Department of
Agriculture

Natural Resources
Conservation Service
and Forest Service

In cooperation with
Vermont Agency of
Natural Resources
and Vermont Agricultural
Experiment Station

Soil Survey of Rutland County, Vermont



Soil Survey of
Rutland County, Vermont

By Henry J. Ferguson, Natural Resources Conservation Service

Fieldwork by Henry J. Ferguson, Robert F. Long, Bradford A. Higgins, Gregory W. Howard, John A. Pratt, Thomas R. Villars, and John P. Wulforst, Natural Resources Conservation Service; Fred Putnam Jr. and Donna Duffy, Forest Service; and Douglass W. Gehring and Dwayne R. Williams, Vermont Agency of Natural Resources

United States Department of Agriculture,
Natural Resources Conservation Service and Forest Service
in cooperation with
the Vermont Agency of Natural Resources and the Vermont Agricultural Experiment Station

RUTLAND COUNTY is in the southwestern part of Vermont (fig. 1). The county has a land area of 596,787 acres, or 932 square miles. The total area including water is 604,467 acres, or 944 square miles. The county was incorporated in 1781. Rutland, the second largest city in Vermont with a population of 18,435, is the county seat. The 1980 census listed the county population at 58,332.

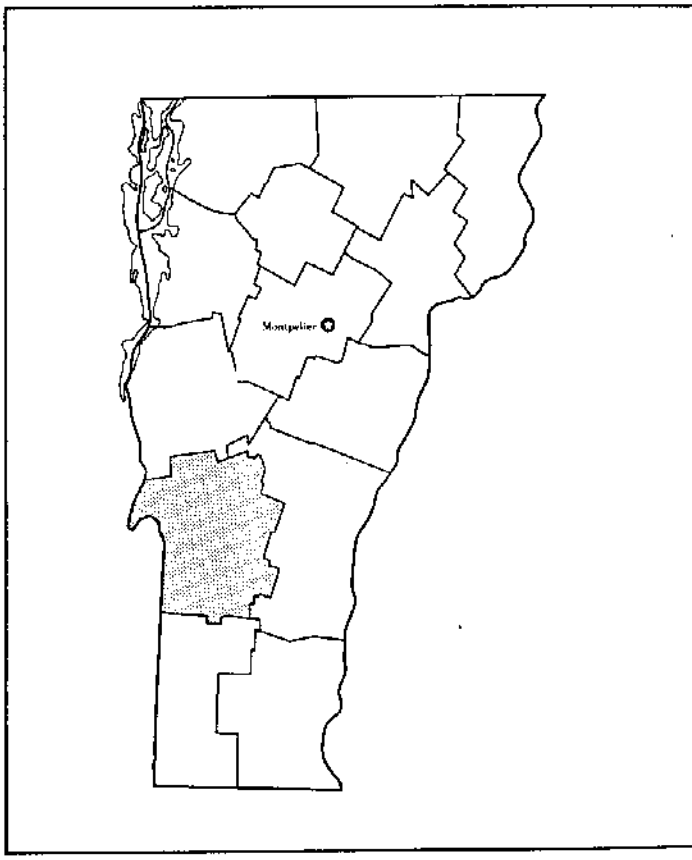


Figure 1.—Location of Rutland County in Vermont.

General Nature of the County

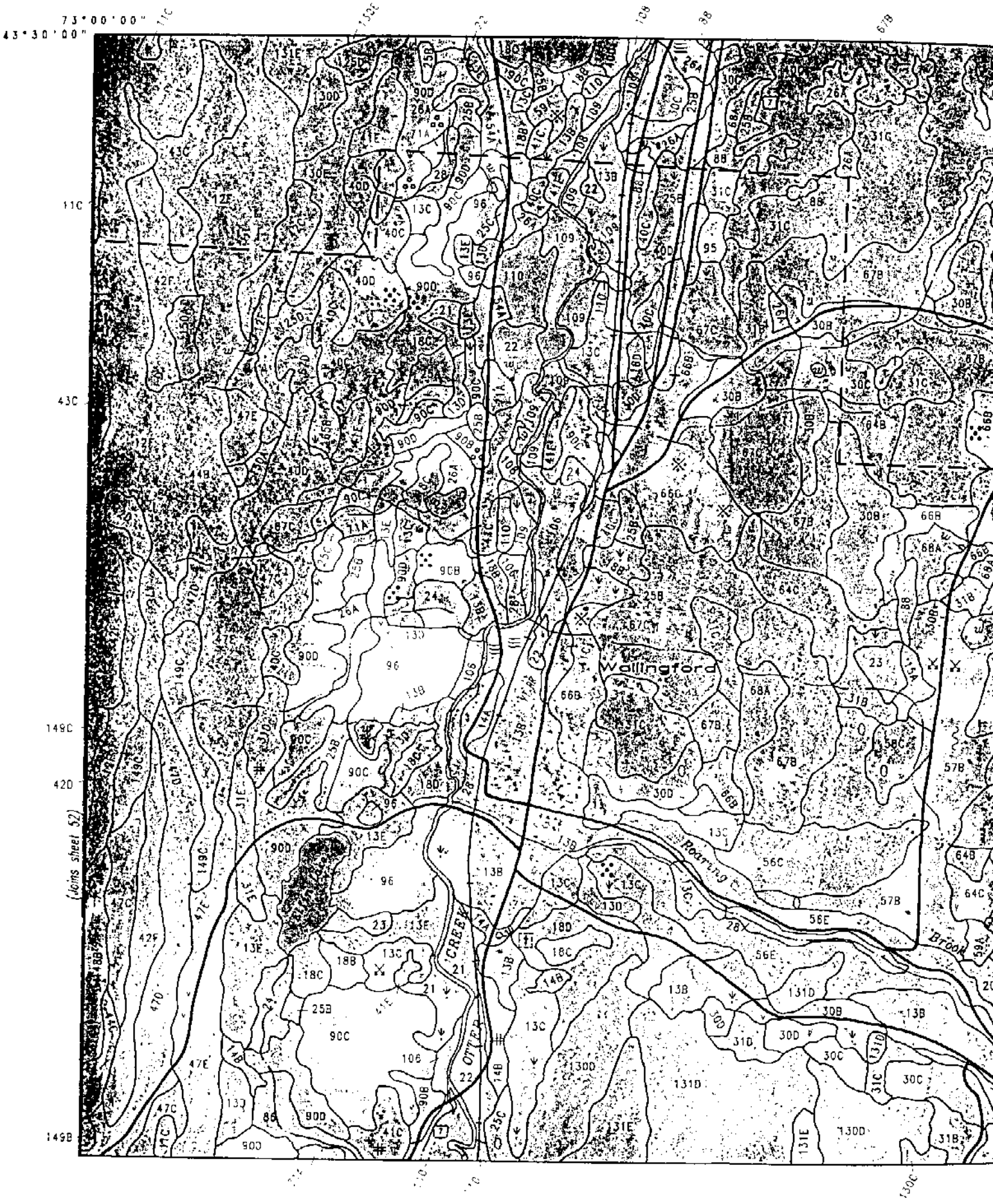
Climate

Prepared by the National Climate Center, Asheville, North Carolina

Winters in Rutland County are cold, and summers are moderately warm with occasional hot spells. The mountainous areas are markedly cooler than the main agricultural areas in the lowlands. The frequency of precipitation is fairly evenly distributed throughout the year. Periods of severe drought are rare. Short dry spells are fairly common in the summer, however, and irrigation may be desirable, especially for high-value truck and fruit crops (*9*). Spray irrigation may also be used to help protect high-value crops, such as strawberries, against late frosts in the spring.

Winter snows occur frequently, occasionally as blizzards, and cover the ground much of the time.

Table 1 gives data on temperature and precipitation


73°00'00"
43°30'00"
Wallingford
Roaring
Brook
OTTER
CREEK
(Joins sheet 52)

CONVENTIONAL AND SPECIAL SYMBOLS LEGEND

CULTURAL FEATURES

BOUNDARIES

- National, state, or province
- County or parish
- Minor civil division
- Reservation (national forest or park, state forest or park, and large airport)
- Land grant
- Limit of soil survey (label)
- Field sheet matchline and neatline

AD HOC BOUNDARY (label)

- Small airport, airfield, park, oilfield, cemetery, or flood pool

STATE COORDINATE TICK
1 890 000 FEET

LAND DIVISION CORNER (sections and land grants)

ROADS

- Divided (median shown if scale permits)
- Other roads
- Trail

ROAD EMBLEM & DESIGNATIONS

- Interstate — 173
- Federal — 287
- State — 57
- County, farm or ranch — 1263

RAILROAD

POWER TRANSMISSION LINE (normally not shown)

PIPE LINE (normally not shown)

FENCE (normally not shown)

LEVEES

- Without road
- With road
- With railroad

DAMS

- Large (to scale)
- Medium or Small (Named where applicable)

PITS

- Gravel pit
- Mine or quarry

MISCELLANEOUS CULTURAL FEATURES

- Farmstead, house (omit in urban area) (occupied)
- Church
- School
- Indian mound (label)
- Located object (label) — Tower
- Tank (label) — Gas
- Wells, oil or gas
- Windmill
- Kitchen midden

WATER FEATURES

DRAINAGE

- Perennial, double line
- Perennial, single line
- Intermittent
- Drainage end
- Canals or ditches
  - Double-line (label) — CANAL
  - Drainage and/or irrigation

LAKES, PONDS AND RESERVOIRS

- Perennial — water
- Intermittent — int

MISCELLANEOUS WATER FEATURES

- Marsh or swamp
- Spring
- Well, artesian
- Well, irrigation
- Wet spot

SPECIAL SYMBOLS FOR SOIL SURVEY

SOIL DELINEATIONS AND SYMBOLS — 73 82B

ESCARPMENTS

- Bedrock (points down slope)
- Other than bedrock (points down slope)

SHORT STEEP SLOPE

GULLY

DEPRESSION OR SINK

SOIL SAMPLE (normally not shown)

MISCELLANEOUS

- Blowout
- Clay spot
- Gravelly spot
- Gumbo, slick or scabby spot (sodic)
- Dumps and other similar non soil areas
- Prominent hill or peak
- Rock outcrop (includes sandstone and shale)
- Saline spot
- Sandy spot
- Severely eroded spot
- Slide or slip (tips point upslope)
- Stony spot, very stony spot
- Talus slope
- Silt spot

Included in this unit in mapping are small areas of the well drained, very deep Dutchess soils. These soils are in troughs between rock outcrops and on the lower side slopes of hills and ridges. Included soils and rock outcrop make up about 10 percent of the unit.

Important soil properties—

Permeability: Taconic and Hubbardton—moderate or moderately rapid; Macomber—moderate
Available water capacity: Taconic—very low or low; Hubbardton—very low; Macomber—moderate
Soil reaction: Very strongly acid or strongly acid
Depth to bedrock: Taconic—10 to 20 inches; Hubbardton—2 to 10 inches; Macomber—20 to 40 inches;
Depth to the water table: At least 60 inches
Root zone: Typically extends to bedrock
Potential for frost action: Moderate

Most areas of this unit are used as woodland. Some areas are developed.

This unit is poorly suited to hay and improved pasture. Some areas are used as unimproved pasture. The use of equipment is limited by the rock outcrops, the slope, the stones on the surface, and the depth to bedrock. The unit is droughty.

This unit is unsuited to cultivated crops because of the slope, the rock outcrops, the stones on the surface, and the depth to bedrock.

The potential productivity of this unit is moderate for sugar maple and high for eastern white pine. Erosion, seedling mortality, and windthrow are hazards. The main problem affecting timber production and harvesting is the equipment limitation. Constructing skid trails and logging roads across the slope and installing culverts and water bars as necessary help to control erosion. Harvesting during winter or during dry periods reduces the hazard of erosion. Operating logging equipment in the less steep areas of the unit minimizes the equipment limitation caused by the slope. In some areas rock outcrops interfere with the operation of equipment. Droughtiness, which results from the very low available water capacity of the Taconic and Hubbardton soils, causes a high rate of seedling survival. The rate can be reduced by planting seedlings in early spring, thus allowing them to obtain moisture from spring rains. The depth to bedrock restricts the rooting depth, resulting in the uprooting of some trees during windy periods. Selective cutting minimizes the windthrow hazard. Logging during periods of snow cover minimizes the equipment limitation caused by surface stones and rock outcrops.

This unit is generally unsuitable as a site for dwellings with basements because of the slope and the depth to bedrock. Onsite investigation is needed to identify adjacent areas that may be better suited to this use.

This unit is generally unsuitable as a site for septic tank absorption fields because of the depth to bedrock and the slope. Onsite investigation is needed to identify adjacent areas that may be better suited to this use.

The depth to bedrock and the slope limit the use of this unit as a site for local roads and streets. The potential for frost action also is a limitation. Careful planning of road grades and locations helps to avoid the need for removal of the bedrock. In some areas blasting is necessary to remove the bedrock. Providing coarser textured base material helps to prevent the damage caused by frost action. Adapting the design of the roads to the natural slope and blasting help to overcome the slope.

The capability subclass is VIIs.

13B—Hinckley gravelly loamy fine sand, 0 to 8 percent slopes. This soil is very deep, excessively drained, and nearly level and gently sloping. It is on long, narrow terraces and in broad areas that are slightly higher than the adjacent flood plain and at the base of hills and mountains. Areas are long and narrow or irregular in shape and range from 5 to 150 acres in size.

The typical sequence, depth, and composition of the layers in this soil are as follows:

Surface layer:
0 to 6 inches, dark brown gravelly loamy fine sand

Subsoil:
6 to 23 inches, dark yellowish brown gravelly loamy fine sand

Substratum:
23 to 60 inches, dark grayish brown very gravelly coarse sand

Some areas of this unit include soils that have less than 35 percent rock fragments throughout. Some areas include soils that have a redder subsoil.

Included in this unit in mapping are small areas of the well drained Paxton soils, the moderately well drained and somewhat poorly drained Sudbury soils, and the excessively drained Windsor soils. Paxton soils are near the edges of the unit, Sudbury soils are in depressions and drainageways, and Windsor soils are in landscape positions similar to those of the Hinckley soil. Included soils make up 15 to 20 percent of the unit.

Important soil properties—

Permeability: Rapid in the subsoil and very rapid in the substratum

Available water capacity: Very low
Soil reaction: Extremely acid to moderately acid
Depth to bedrock: More than 60 inches
Depth to the water table: At least 60 inches
Root zone: Typically extends to a depth of at least 60 inches
Potential for frost action: Low

Most areas of this unit are used for row crops, mainly silage corn. Other crops include grain corn and truck crops. Some areas are used as pasture or woodland or are developed.

This unit is well suited to hay and pasture. The very low available water capacity and low natural fertility are the main limitations. Timely deferment of grazing, rotational grazing, applications of lime and fertilizer, harvesting at the proper stage of plant growth, and weed and brush control increase the quantity and quality of feed and forage. Planting drought-tolerant species helps to overcome the very low available water capacity.

This unit is suited to cultivated crops, especially drought-tolerant crops. The very low available water capacity, low natural fertility, and a low organic matter content are limitations. Erosion is a hazard. A system of conservation tillage that leaves all or part of the crop residue on the surface, cover crops, a cropping system that includes grasses and legumes, and contour tillage help to control erosion. Supplemental applications of organic material increase the available water capacity and maintain fertility and the organic matter content. Irrigation is necessary for the optimum growth of high-value truck crops during dry years.

The potential productivity of this unit is moderate for sugar maple and high for eastern white pine. Seedling mortality is a hazard. Droughtiness, which results from the very low available water capacity, causes a high rate of seedling mortality. The rate can be reduced by planting seedlings in early spring, thus allowing them to obtain moisture from spring rains.

This unit has few limitations as a site for dwellings with basements. Land grading can divert surface water away from the dwellings and thus helps to prevent wetness in basements. There is a hazard of cutbanks caving.

A poor filtering capacity limits this soil as a site for septic tank absorption fields. Effluent moves through the soil readily but often is not adequately treated, causing a hazard of contamination to ground water. Contamination can be detected by periodic testing of the ground water.

This unit has few limitations as a site for local roads and streets.

The capability subclass is IIIs.

13C—Hinckley gravelly loamy fine sand, 8 to 15 percent slopes. This soil is very deep, excessively drained, and strongly sloping. It is on long, narrow terraces, knolls, and broad areas that are slightly higher than the adjacent flood plain and at the base of hills and mountains. Areas are irregular in shape and range from 5 to 100 acres in size.

The typical sequence, depth, and composition of the layers in this soil are as follows—

Surface layer:
0 to 6 inches, dark brown gravelly loamy fine sand

Subsoil:
6 to 23 inches, dark yellowish brown gravelly loamy fine sand

Substratum:
23 to 60 inches, dark grayish brown very gravelly coarse sand

Some areas of this unit include soils that have less than 35 percent rock fragments throughout. Some areas include soils that have a redder subsoil.

Included in this unit in mapping are small areas of the well drained Paxton soils, the moderately well drained and somewhat poorly drained Sudbury soils, and the excessively drained Windsor soils. Paxton soils are near the edges of the unit, Sudbury soils are in depressions and drainageways, and Windsor soils are in landscape positions similar to those of the Hinckley soil. Included soils make up 15 to 20 percent of the unit.

Important soil properties—

Permeability: Rapid in the subsoil and very rapid in the substratum
Available water capacity: Very low
Soil reaction: Extremely acid to moderately acid
Depth to bedrock: More than 60 inches
Depth to the water table: At least 60 inches
Root zone: Typically extends to a depth of at least 60 inches
Potential for frost action: Low

Most areas of this unit is used for cropland and hay and pasture. Some areas are developed, and other areas are used as woodland.

This unit is suited to hay and pasture. The very low available water capacity and low natural fertility are the main limitations. Timely deferment of grazing, rotational grazing, applications of lime and fertilizer, harvesting at the proper stage of plant growth, and weed and brush control increase the quantity and quality of feed and forage. Planting drought-tolerant species helps to overcome the very low available water capacity.

This unit is poorly suited to cultivated crops. The very

EHS TECHNOLOGY GROUP, INC.
SUBSURFACE EXPLORATION LOG

PROJECT Huffy / True Temper / Ames PROJECT # H99019f

Pit or Boring # OPH A
Page 2 of 2

DEPTH	SAMPLE INFORMATION #	TYPE	FROM / TO	REC	BLOW CT ADV RATE	PID or ELEV	MATERIAL / DRILLING AND OTHER NOTES
10	6	SS	10.0 to 12.0	14"	1	petro odor 10.2	SAND, medium to fine, dark gray, oily, water saturated
					0		
11					1		COBBLES & SAND, med.ium to coarse, dark gray, oily
					12		GRAVEL with some sand, gray brown,
12	x	x	x	x	x	n/a	Deepened to get water
					x		
13					x		
					x		
14					x		
					x		
15					x		
							Bottom of Boring Total depth = 15'
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

P.O. Box 3040, Miamisburg, OH 45343-3040 Phone #: 937-865-3553 or 800-356-9039 FAX # 937-865-3611

EHS TECHNOLOGY GROUP, INC

SUBSURFACE EXPLORATION LOG

PROJECT Huffy / True Temper / Ames PROJECT # H99019f

Pit or Boring # OPH B
Page 1 of 1

SITE ADDRESS 2 Maple Street

STATE VT COUNTY Rutland CITY Wallingford

LOCATION ON THE SITE At northeast corner of boiler house, 6' southeast

METHOD 3¼" I.D. HSA RIG Mobile B-50 on ATV HOLE DIA. 8 " SAMPLER & SIZE split spoon 2"x24"

DRILLING CO. Green Mtn. Boring DRILLERS Ron Graneau LOGGED BY M. Morris

DATE STARTED 2 / 27 / 99 DATE FINISHED 2 / 27 / 99

X BACKFILLED DATE 2 / 27 /99 MATERIAL bentonite & sand, or ~~BORING COMPLETED AS A~~

DEPTH TO WATER: Encountered at 9', At completion None ', After 2 Hrs. water was at 9.5 '

DEPTH	SAMPLE INFORMATION #	TYPE	FROM / TO	REC.	BLOW CT ADV RATE	PID or ELEV.	MATERIAL / DRILLING AND OTHER NOTES
0							surface: gravel, sawdust and snow
1					xx xx		gravel with some sand and ash, frozen
2	1	SS	1.0 to 2.0	10"	7 12	0	ASH and silt COAL fragments
3 4	2	SS	2.0' to 4.0'	6"	3 3 2 1	2	COAL and ASH
5 6	3	SS	4.0' to 6.0'	1"	2 1 1 1	1	SAND and ASH
7 8	4	SS	6.0' to 8.0'	7"	2 1 1 2	1	ASH, SAND, coarse, some gravel
9 10	5	SS	8.0' to 10.0'	12"	2 1 0 3	17	SAND and ASH, black, oily water saturated SAND, oily, black
							Bottom of Boring Total depth 10.0'

P.O. Box 3040, Miamisburg, OH 45343-3040 Phone #: 937-865-3553 or 800-356-9039 FAX # 937-865-3611

EHS TECHNOLOGY GROUP, INC.

SUBSURFACE EXPLORATION LOG

PROJECT Huffy / True Temper / Ames PROJECT # H99019f

Pit or Boring # OPH C
Page 1 of 1

SITE ADDRESS 2 Maple Street

STATE VT COUNTY Rutland CITY Wallingford

LOCATION ON THE SITE Between sawdust/leveler shed and fire water pump house

METHOD 3¼" HSA RIG Mobile B-50 on ATV HOLE DIA. 8" SAMPLER & SIZE split spoon 2"x24"

DRILLING CO. Green Mtn. Boring DRILLERS Ron Graneau LOGGED BY M. Morris

DATE STARTED 2/27/99 DATE FINISHED 2/ 27 / 99

X BACKFILLED DATE 2/27/99 MATERIAL bentonite and sand or ~~BORING COMPLETED AS A~~

DEPTH TO WATER: Encountered at 9', At completion none ', After 1/2 hr. hole collapsed

DEPTH	SAMPLE INFORMATION #	TYPE	FROM / TO	REC.	BLOW CT ADV RATE	PID or ELEV.	MATERIAL / DRILLING AND OTHER NOTES
0							surface: sawdust and snow over grass
1	1	SS	1.0' to 2.0'	14"	x x 2 1	0	ASH and COAL Fragments Some sand, black and tan Frozen SAND
3	2	SS	2.0' to 4.0'	1"	1 1 1 1	0	SAND and ASH, tan, Damp
5	3	SS	4.0' to 6.0'	14"	3 1 1 1	0	COAL (?) SAND and ASH
7	4	SS	6.0' to 8.0'	3"	1 0 0 6	0	SAND med, and some granules light tan Coal Fragments
9	5	SS	8.0' to 10.0'	12"	85 37 21 6	21	CONCRETE and rebar SAND, coarse & GRAVEL, black oily, water saturated

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SUBSURFACE EXPLORATION LOG

PROJECT Huffy / True Temper / Ames PROJECT # H99019f

Pit or Boring # OPH D
Page 1 of 2

SITE ADDRESS 2 Maple Street

STATE VT COUNTY Rutland CITY Wallingford

LOCATION ON THE SITE From edge of fire water UST 6.5 feet northeast

METHOD 4¼" I.D. HSA RIG Mobile B-47 HOLE DIA. 8" SAMPLER & SIZE split spoon 2"x24"

DRILLING CO. Green Mtn. Boring DRILLERS Ron Graneau LOGGED BY M. Morris

DATE STARTED 3/11/99 DATE FINISHED 3/11/99

X BORING COMPLETED AS MW-3 or ~~BACKFILLED DATE / /99 MATERIAL~~

DEPTH TO WATER: Encountered at 9 ', At completion 9 ', After 24 Hrs. water was at 9 '

DEPTH	SAMPLE INFORMATION #	TYPE	FROM / TO	REC.	BLOW CT ADV RATE	PID or ELEV.	MATERIAL / DRILLING AND OTHER NOTES
0							surface: Grass and snow
1	1	SS	0.0 to 2.0	16"	30, 40, 15, 8	0.5	GRAVEL, some sand and sawdust, frozen
2							
3	2	SS	2.0' to 4.0'	½"	5, 4, 3, 2	0.5	Brick fragment, no other sample
4							
5	3	SS	4.0' to 6.0'	6"	5, 2, 2, 1	0.5	ASH and SAND, brown, damp
6							
7	4	SS	6.0' to 8.0'	0	1, 1, 1, 2	n/a	no recovery
8							
9	5	SS	8.0' to 10.0'	9"	3, 20, 3, 2	petro odor	ASH and SAND, black, oily, Water saturated
10						5.0	

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PROJECT Huffy / True Temper / Ames PROJECT # H99019f

Pit or Boring # OPH D
Page 2 of 2

DEPTH	SAMPLE INFORMATION #	TYPE	FROM / TO	REC	BLOW CT ADV RATE	PID or ELEV	MATERIAL DRILLING AND OTHER NOTES
10	6	SS	10.0' to 12.0'	16"	2 1 1 1	petro odor 21	SAND, medium to finer with depth, oily, black to dark brown with depth, water saturated
11							
12	7	SS	12.0' to 14.0'	16"	3 2 1 1	petro odor 19	SAND with a couple wood fragments
13							
14	8	SS	14.0' to 16.0'	14"	20 10 3 2	petro odor 13	SAND, medium to coarse, olive gray, oily, saturated
15							
16	9	SS	16.0' to 18.0'	14"	3 1 4 6	petro odor	SAND, coarse, black, & dk brown, oily, SAND, fine, dark brown and black, oily, water saturated
17							
18	10	SS	18.0' to 20.0'	12"	5 7 5 9	petro odor	SAND and some Gravel, olive brown, water saturated
19							
20							Bottom of Boring Total depth 20.0'
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

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PROJECT Huffy / True Temper / Ames PROJECT # H99019f

Pit or Boring # OPH E
Page 1 of 2

SITE ADDRESS 2 Maple Street

STATE VT COUNTY Rutland CITY Wallingford

LOCATION ON THE SITE 28' ESE of the north end of the mill race outfall, next to the north spray pipe

METHOD 4¼" I.D. HSA RIG Mobile B-47 HOLE DIA. 8" SAMPLER & SIZE split spoon 2"x24"

DRILLING CO. Green Mtn. Boring DRILLERS Ron Graneau LOGGED BY M. Morris

DATE STARTED 3 / 11 / 99 DATE FINISHED 3 / 11 / 99

X BORING COMPLETED AS MW-4 or ~~BACKFILLED DATE / /99 MATERIAL~~

DEPTH TO WATER: Encountered at 11', At completion 11', After 24 hrs. water was at 10.5'

DEPTH	SAMPLE INFORMATION #	TYPE	FROM / TO	REC.	BLOW CT ADV RATE	PID or ELEV.	MATERIAL	DRILLING AND OTHER NOTES
0							surface: tall grass and snow	
1	1	SS	0.0' to 2.0'	12"	30, 13, 8, 9	0	ASH, and sand, frozen; Brick fragments	
3	2	SS	2.0' to 4.0'	13"	7, 7, 4, 3	0	ASH, sand and brick fragments	
5	3	SS	4.0' to 6.0'	10"	2, 2, 2, 1	0	ASH, sand and brick fragments	
7	4	SS	6.0' to 8.0'	6"	2, 5, 5, 6	0	ASH, sand and brick fragments	
9	5	SS	8.0' to 10.0'	0	6, 4, 3, 3	n/a	rock in tip	no recovery

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PROJECT Huffy / True Temper / Ames PROJECT # H99019f

Pit or Boring # OPH-E
Page 2 of 2

DEPTH	SAMPLE INFORMATION #	TYPE	FROM / TO	REC	BLOW CT ADV RATE	PID or ELEV	MATERIAL DRILLING AND OTHER NOTES
10	6	SS	10.0' to 12.0'	11"	10 / 12 / 16 / 40	1	GRAVEL, some sand, tan & brown, water saturated
11							
12	7	SS	12.0' to 14.0'	12"	40 / 30 / 19 / 60	little odor 3	GRAVEL, some sand, trace oil sheen, water saturated
13							
14	8	SS	14.0' to 16.0'	15"	54 / 50 / 37 / 25	petro odor 6	COBBLES, granules, some sand, olive brown, Water saturated, trace oil sheen
15							
16	9	SS	16.0' to 18.0'	14"	20 / 12 / 10 / 10	n/a	GRANULES, sand, medium; olive brown water saturated, trace oil sheen
17							
18	10	SS	18.0' to 20.0'	13"	17 / 12 / 9 / 9	n/a	GRANULES, sand, medium; olive brown water saturated, trace oil sheen
19							
20							Bottom of Boring Total depth = 20.0'
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

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PROJECT Huffy / True Temper / Ames PROJECT # H99019f

Pit or Boring # OPH F
Page 1 of 2

SITE ADDRESS 2 Maple Street

STATE VT COUNTY Rutland CITY Wallingford

LOCATION ON THE SITE 12' SE of NE corner of boiler house

METHOD 4¼" I.D. HSA RIG Mobile B-47 HOLE DIA. 8" SAMPLER & SIZE splitspoon 2"x24"

DRILLING CO. Green Mtn.Boring DRILLERS RonGraneau LOGGED BY M.Morris

DATE STARTED 3/11/99 DATE FINISHED 3/11/99

X BORING COMPLETED AS MW-1 or ~~BACKFILLED DATE / / MATERIAL~~

DEPTH TO WATER: Encountered at 9", At completion 12', After 2 hrs. water was at 8.8'

DEPTH	SAMPLE INFORMATION #	TYPE	FROM / TO	REC.	BLOW CT ADV RATE	PID or ELEV.	MATERIAL	DRILLING AND OTHER NOTES
0							surface: Gravel, sawdust and snow	
	1	SS	0.0 to 0.5'	0	100/5"		GRAVEL, ash and sand, black, frozen	
1					x	n/a		
					x		CONCRETE	
2					x			
	2	SS	2.0' to 2.2'	0	100/3"		COBBLES	
3					x	n/a		
					x			
4					x			
	3	SS	4.0' to 6.0'	6"	1		SAND	
5					2			
					4		ASH, black, damp	
6					1			
	4	SS	6.0' to 8.0'	11"	2			
7					1		ASH, black, damp	
					1			
8					1			
	5	SS	8.0' to 10.0'	10"	2	petro odor	ASH, black, oily	WET
9					2			
					3			SATURATED
10					5			

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SUBSURFACE EXPLORATION LOG

PROJECT Huffy / True Temper / Ames PROJECT # H99019f

Pit or Boring # OPH-F
Page 2 of 2

DEPTH	SAMPLE INFORMATION #	TYPE	FROM / TO	REC	BLOW CT ADV RATE	PID or ELEV	MATERIAL / DRILLING AND OTHER NOTES
10	6	SS	10.0' to 12.0'	18"	3	Petro odor 20	SAND, fine, dark brown & black, oily, saturated
					3		
11					2		SAND, med. to coarse, dark brown & black, oily
					2		
12	7	SS	12.0' to 14.0'	18"	2	petro odor	SAND, med.to fine, gray brown, oily, saturated
					2		
13					3		[wood fragments]
					5		
14	8	SS	14.0' to 16.0'	5"	4		SAND & GRAVEL, dark brownish gray, saturated
					6		
15					6		
					7		
16	9	SS	16.0' to 18.0'	8"	7		
					5		
17					5		SAND, fine; some gravel and silt, olive brown, saturated
					4		
18							Bottom of Boring Total Depth = 18.0'
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

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SUBSURFACE EXPLORATION LOG

PROJECT Huffy / True Temper / Ames PROJECT # H99019f

Pit or Boring # OPH G
Page 1 of 2

SITE ADDRESS 2 Maple Street

STATE VT COUNTY Rutland CITY Wallingford

LOCATION ON THE SITE 5' Southwest of edge of fire water UST

METHOD 4¼" I.D. HSA RIG Mobile B-47 HOLE DIA. 8" SAMPLER & SIZE splitspoon 2"x24"

DRILLING CO. Green Mtn.Boring DRILLERS RonGraneau LOGGED BY M.Morris

DATE STARTED 3 / 12 / 99 DATE FINISHED 3 / 12 / 99

X BORING COMPLETED AS MW-2 or ~~BACKFILLED DATE / / MATERIAL~~

DEPTH TO WATER: Encountered at 9.5', At completion 15', After 24 hrs. water was at 9.3'

DEPTH	SAMPLE INFORMATION #	TYPE	FROM / TO	REC.	BLOW CT ADV RATE	PID or ELEV.	MATERIAL / DRILLING AND OTHER NOTES
0							surface: wood chps, gravel and ice
	1	SS	1.0' To 2.0'	6"	x x 3 5	0	GRAVEL, same sand, some sawdust, frozen
1 2							
	2	SS	2.0' to 4.0'	9"	10 5 7 7	1	SAND, some gravel, some silt
3 4							
	3	SS	4.0' to 6.0'	0	5 5 3 3	n/a	no recovery
5 6							
	4	SS	6.0' to 8.0'	14"	6 6 8 5	0.3	SAND, little gravel, little silt, damp
7 8							
	5	SS	8.0' to 10.0'	12"	7 5 6 5	8.0	SAND, fine, yellow brown, wet SAND, fine, black, oily, water saturated
9 10							

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PROJECT Huffy / True Temper / Ames PROJECT # H99019f

Pit or Boring # OPH G
Page 2 of 2

DEPTH	SAMPLE INFORMATION #	TYPE	FROM / TO	REC	BLOW CT ADV RATE	PID	MATERIAL DRILLING AND OTHER NOTES
10	6	SS	10.0' to 12.0'	2"	10 / 7 / 6 / 5	Petro odor 22	GRAVEL, some sand, black, oily sheen Water saturated
11							
12	7	SS	12.0' to 14.0'	14"	10 / 8 / 4 / 2	petro odor	SAND, medium, few gravel, black, oily Water saturated
13							
14	8	SS	14.0' to 16.0'	10"	7 / 12 / 15 / 15	petro odor	SAND, medium; some gravel, black, oily Water saturated
15							
16	9	SS	16.0' to 18.0'	12"	8 / 9 / 11 / 10	petro odor	SAND, medium; some gravel, black, oily Water saturated
17							
18							Bottom of Boring Total Depth 18.0'
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

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SUBSURFACE EXPLORATION LOG

PROJECT Huffy / True Temper / Ames PROJECT # H99019f

Pit or Boring # OPH H
Page 1 of 1

SITE ADDRESS 2 Maple Street

STATE VT COUNTY Rutland CITY Wallingford

LOCATION ON THE SITE near SE corner of boiler house; 12.5' E of boiler house, 11.5' N of bldg 3 ext.

METHOD 3¼" I.D. HSA RIG Mobile B-47 HOLE DIA. 8 " SAMPLER & SIZE splitspoon 2"x24"

DRILLING CO. Green Mtn.Boring DRILLERS RonGraneau LOGGED BY M.Morris

DATE STARTED 3/15/99 DATE FINISHED 3/15/99

X BACKFILLED DATE 3/15/99 MATERIAL sand or ~~BORING COMPLETED AS A~~

DEPTH TO WATER: Encountered at 8 ', At completion none ', After 1 hr. Hole collapsed

DEPTH	SAMPLE INFORMATION #	TYPE	FROM / TO	REC.	BLOW CT ADV RATE	PID	MATERIAL / DRILLING AND OTHER NOTES
0							surface: snow over gravel and grass
1	1	SS	0.0' to 2.0'	19	40 67 17 7	0	gravel, sawdust and ice SAND & GRAVEL, frozen ASH, black, frozen
3	2	SS	2.0' to 4.0'	10"	11 4 4 3	0	ASH, black, damp
5	3	SS	4.0' to 6.0'	3"	3 0 0 1	1	SILT, SAND, GRANULES, black, damp
7	4	SS	6.0' to 8.0'	1"	1 2 2 2		same (?)
9	5	SS	8.0' to 10.0'	24"	2 3 4 6	10	SAND, medium to fine, brown wet SAND, medium to fine, gray, wet
11	6	SS	10.0' to 12.0'	10"	2 3 5 24	10	SAND, medium to fine, dark brown, oil sheen, Water saturated
13	7	SS	12.0' to 13.0'	1"	84 100/5.5	18	GRAVEL, some sand, oily sheen, water saturated
							Bottom of boring Total depth 13.0'

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SUBSURFACE EXPLORATION LOG

PROJECT Huffy / True Temper / Ames PROJECT # H99019f

Pit or Boring # OPH-1
Page 1 of 1

SITE ADDRESS 2 Maple Street

STATE VT COUNTY Rutland CITY Wallingford

LOCATION ON THE SITE between boiler house & sawdust shed, from NE corner of BH: 10.5' N, 32' W

METHOD 3¼" I.D. HSA RIG Mobile B-47 HOLE DIA. 8 " SAMPLER & SIZE splitspoon 2"x24"

DRILLING CO. Green Mtn.Boring DRILLERS RonGraneau LOGGED BY M.Morris

DATE STARTED 3/15/99 DATE FINISHED 3/15/99

X BACKFILLED DATE 3/15/99 MATERIAL sand and bentonite ~~or BORING COMPLETED AS~~

DEPTH TO WATER: Encountered at 8 ', At completion none ', After 1/2 hr. Collapsed

DEPTH	SAMPLE INFORMATION #	TYPE	FROM / TO	REC.	BLOW CT ADV.RATE	PID	MATERIAL / DRILLING AND OTHER NOTES
0							surface: Wood chip and ice
1	1		1.0' est. to 2.0'	X	X x 7 8	0	wood chips, ice
2							
3	2	SS	2.0' to 4.0'	2"	7 8 3 1	0	rotten wood and silt
4							
5	3	SS	4.0' to 6.0'	1/2"	2 0 0 0	n/a	VOID
6							
7	4	SS	6.0' to 8.0'	1"	2 8 20 100/5"	4	trace recovery (?) Wood, sand, gravel CONCRETE
8							
9	5	SS	8.0' to 10.0'	18"	10 5 4 4	odor 27	SAND, medium to coarse, black, oily, water saturated
10							
11	6	SS	10.0' to 12.0'	25"	10 15 21 35	20	SAND, medium, gray, oily sheen, water saturated
12							
							Bottom of Boring Total Depth + 12.0'

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SUBSURFACE EXPLORATION LOG

PROJECT Huffy/True Temper/ Wallingford Oil Spill PROJECT # H99019f

Boring # OPH -J
Page 1 of 2

SITE ADDRESS 2 Maple Street

STATE VT COUNTY Rutland CITY/TOWNSHIP Rutland

LOCATION ON SITE in log storage area, (Row 6) NW of UST, 35' NW of pump house, 15' NE of fuel shed

METHOD(S) Direct Push RIG Geoprobe 540U HOLE DIA. 2.5" SAMPLER & SIZE 1 ½" x 48' GP

DRILLING CO. NE Env. Tech DRILLERS Jim and Nick LOGGED BY M.Morris

DATE STARTED 5 /19/99 DATE FINISHED 5 /19/ 99

~~BORING COMPLETED AS MW~~ or x BACKFILLED DATE 5/19/99 MATERIAL bentonite

DEPTH TO WATER: Encountered n/a ', At completion 10.14 ', After 2 hrs. water was at 9.60 '

DEPTH	SAMPLE INFORMATION #	TYPE	FROM / TO	REC.	BLOW CT ADV RATE	PID or Elev.	MATERIAL / DRILLING AND OTHER NOTES
0							surface: muck and gravel
1	1	auger cuttings	0.0' - 4.0'	n/a		n/a	muck and gravel FILL Cinders, ash and sand with few brick fragments
2							
3							
4							
5	2	GP	4.0' - 8.0'	8"		0.0	AS ABOVE
6							
7						0.0	
8							
9	3	GP	8.0' - 12.0'	8"		2.1	SAND, wet
10							
11							
12							

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SUBSURFACE EXPLORATION LOG

PROJECT Huffy/True Temper/ Wallingford Oil Spill PROJECT # H99019f

Pit or Boring # OPH -J
Page 2 of 2

DEPTH	SAMPLE INFORMATION #	TYPE	FROM / TO	REC	BLOW CT ADV RATE	PID or ELEV	MATERIAL / DRILLING AND OTHER NOTES
12	4	GP	12' - 16'	12"		2.6	SAND, some gravel trace oil-stained soil, 13.5' - 14'
13							
14							
15							
16							Bottom of Boring at 16'
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

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SUBSURFACE EXPLORATION LOG

PROJECT Huffy/True Temper/ Wallingford Oil Spill PROJECT # H99019f

Boring # OPH - K
Page 1 of 2

SITE ADDRESS 2 Maple Street

STATE VT COUNTY Rutland CITY/TOWNSHIP Rutland

LOCATION ON SITE chip pile area - 18' NW of boiler house

METHOD(S) Direct Push RIG Geoprobe 540U HOLE DIA. 2.5" SAMPLER & SIZE 1 ½" x 48" GP

DRILLING CO. NE Env. Tech DRILLERS Jim & Nick LOGGED BY M.Morris

DATE STARTED 5 / 19 / 99 DATE FINISHED 5 / 19 / 99

~~BORING COMPLETED AS MW~~ or __ BACKFILLED DATE 5/20/99 MATERIAL bentonite

DEPTH TO WATER: Encountered n/a ', At completion 9.80 ', After 2 hrs. water was at 8.25 '
After 18 hrs. water was at 8.63 '

DEPTH	SAMPLE INFORMATION #	TYPE	FROM / TO	REC.	BLOW CT ADV RATE	PID or Elev.	MATERIAL / DRILLING AND OTHER NOTES
0							surface: Wood Chips
1	1a	cut	0.0' - 2.0'	n/a		0.0	Wood Chips FILL Ash, cinders, sand and little brick fragments
2							
3	1b	GP	2.0' - 4.0'	19"		0.0	GRAVEL AND PEAT SAND, medium to fine
4							
5	2	GP	4.0' - 8.0'	33"		0.0	SAND, little gravel
6							
7						0.0	SAND, some gravel
8							
9	3	GP	8.0' - 12.0'	8"		0.0	SAND and GRAVEL - saturated (no film on water surface - no oil) old wood fragment
10							
11							
12							

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PROJECT Huffy/True Temper/ Wallingford Oil Spill PROJECT # H99019f

Pit or Boring # OPH - K
Page 2 of 2

DEPTH	SAMPLE INFORMATION #	TYPE	FROM / TO	REC	BLOW CT ADV RATE	PID or ELEV	MATERIAL / DRILLING AND OTHER NOTES
12							
13	4	GP	12' - 16'	12"		0.0	GRAVEL, some sand (no oil)
14							
15							
16							Bottom of boring at 16'
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

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PROJECT Huffy/True Temper/ Wallingford Oil Spill PROJECT # H99019f Boring # OPII -L
Page 1 of 2

SITE ADDRESS 2 Maple Street

STATE VT COUNTY Rutland CITY/TOWNSHIP Rutland

LOCATION ON SITE log storage area, (Row 6) north of pumphouse

METHOD(S) Direct Push RIG Geoprobe 540U HOLE DIA. 2.5" SAMPLER & SIZE 1 ½" x 48' GP

DRILLING CO. NE Env. Tech DRILLERS Jim and Nick LOGGED BY M.Morris

DATE STARTED 5 /19/99 DATE FINISHED 5 /19/ 99

~~BORING COMPLETED AS MW~~ or x BACKFILLED DATE 5/20/99 MATERIAL bentonite

DEPTH TO WATER: Encountered n/a ', At completion 9.57 ', After 18 hrs. water was at 7.98 '

DEPTH	SAMPLE INFORMATION #	TYPE	FROM / TO	REC.	BLOW CT ADV RATE	PID or Elev.	MATERIAL / DRILLING AND OTHER NOTES
0							surface: muck and gravel
1	1	GP	0.0' - 4.0'	12"		0.0	muck and gravel FILL Cinders, ash and sand
2							
3						0.0	
4							
5	2	GP	4.0' - 8.0'	18"		0.0	SAND, little gravel
6							
7						0.0	
8							
9	3	GP	8.0' - 12.0'	20"		45	SAND, some gravel very oily, only a film on water (no free-product layer)
10							
11							
12							

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PROJECT Huffy/True Temper/ Wallingford Oil Spill PROJECT # H99019f

Pit or Boring # OPH -1,
Page 2 of 2

DEPTH	SAMPLE INFORMATION #	TYPE	FROM / TO	REC	BLOW CT ADV RATE	PID or ELEV	MATERIAL / DRILLING AND OTHER NOTES
12							
13	4	GP	12' - 16'	24"		62	SAND, some gravel
14							oily
15							
16							Bottom of Boring at 16'
17							
18							
19							
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EHS TECHNOLOGY GROUP, INC
SUBSURFACE EXPLORATION LOG

Boring # OPH -M
Page 1 of 2

PROJECT Huffy/True Temper/ Wallingford Oil Spill PROJECT # H99019f

SITE ADDRESS 2 Maple Street

STATE VT COUNTY Rutland CITY/TOWNSHIP Rutland

LOCATION ON SITE NE of log storage area in RR spur, 37' NNE of millrace headwall

METHOD(S) Direct Push RIG Geoprobe 540U HOLE DIA. 2.5" SAMPLER & SIZE 1 ½" x 48' GP

DRILLING CO. NE Env. Tech DRILLERS Jim and Nick LOGGED BY M.Morris

DATE STARTED 5 /19/99 DATE FINISHED 5 /19/ 99

~~BORING COMPLETED AS MW-~~ or x BACKFILLED DATE 5/19/99 MATERIAL bentonite

DEPTH TO WATER: Encountered n/a ', At completion n/a After x hrs. water was at n/a '

DEPTH	SAMPLE INFORMATION #	TYPE	FROM / TO	REC.	BLOW CT ADV RATE	PID or Elev.	MATERIAL DRILLING AND OTHER NOTES
0							surface: overgrown RR tracks
1	1	GP	0.0' - 4.0'	17"		0.0	FILL, gravel (ballast)
2							FILL Cinders, ash, silt and sand black, orange, tan and brown, damp
3						0.0	
4							
5	2	GP	4.0' - 8.0'	29"		0.0	
6							AS ABOVE
7						0.0	1" CHARCOAL
8							
9	3	GP	8.0' - 12.0'	8"		0.0	ASH and sand
10							SAND
11							GRAVEL, some sand (no oil)
12							BOTTOM OF BORING AT 12'

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SUBSURFACE EXPLORATION LOG

Boring # OPH -N
Page 1 of 2

PROJECT Huffy/True Temper/ Wallingford Oil Spill PROJECT # H99019f

SITE ADDRESS 2 Maple Street

STATE VT COUNTY Rutland CITY/TOWNSHIP Rutland

LOCATION ON SITE inside building 3 ext. from SE corner, 13' N, 9.5' west

METHOD(S) Direct Push RIG Geoprobe 540U HOLE DIA. 2.5" SAMPLER & SIZE 1 ½" x 48' GP

DRILLING CO. NE Env. Tech DRILLERS Jim and Nick LOGGED BY M.Morris

DATE STARTED 5 /19/99 DATE FINISHED 5 /19/ 99

~~BORING COMPLETED AS MW-~~ or x BACKFILLED DATE 5/19/99 MATERIAL bentonite

DEPTH TO WATER: Encountered n/a ', At completion 8.90 ', After x hrs. water was at n/a '

DEPTH	SAMPLE INFORMATION #	TYPE	FROM / TO	REC	BLOW CT ADV RATE	PID or Elev.	MATERIAL / DRILLING AND OTHER NOTES
0							surface: concrete
1	1	auger cuttings	0.0' - 4.0'	n/a		0.0	4" concrete over gravel
2							SAND, dark brown-black, fine, damp
3						0.0	SAND, fine, some silt, brown, damp
4							
5	2	GP	4.0' - 8.0'	12"		0.0	SAND, fine, little granules, little silt trace pebbles, damp, yellow brown no visible oil
6							
7						0.0	
8							
9	3	GP	8.0' - 12.0'	24"		0.0	
10							SAND and GRAVEL, saturated, no oil
11							
12							

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SUBSURFACE EXPLORATION LOG

PROJECT Huffy/True Temper/ Wallingford Oil Spill PROJECT # H99019f

Pit or Boring # OPII-N
Page 2 of 2

DEPTH	SAMPLE INFORMATION #	TYPE	FROM / TO	REC	BLOW CT ADV RATE	PID or ELEV	MATERIAL / DRILLING AND OTHER NOTES
12	4	GP	12' to 16'	18"		0.0	SAND, coarse and gravel yellowish brown, saturated (no oil)
13							
14							
15							
16							Bottom of Boring at 16'
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

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SUBSURFACE EXPLORATION LOG

Boring # OPH - O
Page 1 of 2

PROJECT Huffy/True Temper/ Wallingford Oil Spill PROJECT # H99019f

SITE ADDRESS 2 Maple Street

STATE VT COUNTY Rutland CITY/TOWNSHIP Rutland

LOCATION ON SITE in log storage area, 79' N of pump house, 79' west of CL of RR siding

METHOD(S) Direct Push RIG Geoprobe 540U HOLE DIA. 2.5" SAMPLER & SIZE 1 ½" x 48" GP

DRILLING CO. NE Env. Tech DRILLERS Jim & Nick LOGGED BY M.Morris

DATE STARTED 5 / 20 / 99 DATE FINISHED 5 / 20 / 99

~~BORING COMPLETED AS MW~~ or BACKFILLED DATE 5/20/99 MATERIAL bentonite

DEPTH TO WATER: Encountered n/a ', At completion n/a ', After x hrs. water was at n/a '

DEPTH	SAMPLE INFORMATION #	TYPE	FROM / TO	REC.	BLOW CT ADV RATE	PID or Elev.	MATERIAL / DRILLING AND OTHER NOTES
0							surface: Muck and Gravel
1	1a	cut	0.0' to 2.0'	n/a		0.0	Muck and Gravel, wet
2							FILL
3	1b	GP	2.0' to 4.0'	22"	harder softer	0.0	ash, cinders sand, silt, wet
4							SAND, some gravel
5	2	GP	4.0' to 8.0'	16"	soft	0.0	
6							(poor recovery from this zone)
7						0.0	
8							
9	3	GP	8.0' to 12.0'	14"		0.0	GRAVEL, some sand, saturated
10							(no film on water surface - no oil)
11							old wood fragment
12							

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SUBSURFACE EXPLORATION LOG

PROJECT Huffy/True Temper/ Wallingford Oil Spill PROJECT # H99019f

Pit or Boring # OPH - O
Page 2 of 2

DEPTH	SAMPLE INFORMATION #	TYPE	FROM / TO	REC	BLOW CT ADV RATE	PID or ELEV	MATERIAL / DRILLING AND OTHER NOTES
12							
13	4	GP	12' - 16'	30"		0.0	GRAVEL, some sand (no oil)
14							
15							
16							Bottom of boring at 16'
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

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SUBSURFACE EXPLORATION LOG

Boring # OPH - P
Page 1 of 2

PROJECT Huffy/True Temper/ Wallingford Oil Spill PROJECT # H99019f

SITE ADDRESS 2 Maple Street

STATE VT COUNTY Rutland CITY/TOWNSHIP Rutland

LOCATION ON SITE in log storage area, 41 ½' west of CL of railroad siding, 79' N of pump house

METHOD(S) Direct Push RIG Geoprobe 540U HOLE DIA. 2.5" SAMPLER & SIZE 1 ½" x 48' GP

DRILLING CO. NE Env. Tech DRILLERS Jim and Nick LOGGED BY M.Morris

DATE STARTED 5 /20/99 DATE FINISHED 5 /20/ 99

~~BORING COMPLETED AS MW-~~ or x BACKFILLED DATE 5/20/99 MATERIAL bentonite

DEPTH TO WATER: Encountered n/a ', At completion n/a ', After x hrs. water was at n/a '

DEPTH	SAMPLE INFORMATION #	TYPE	FROM / TO	REC.	BLOW CT ADV RATE	PID or Elev.	MATERIAL / DRILLING AND OTHER NOTES
0							surface: Muck and Gravel
1	1	auger cuttings	0.0' - 4.0'	n/a		0.0	Muck and Gravel
2							
3						0.0	FILL ash, cinders, sand and silt, brick fragments
4							
5	2	GP	4.0' - 8.0'	6"		0.0	AS ABOVE
6							
7						0.0	
8							
9	3	GP	8.0' to 12.0'	24"	stiff	33 odor	SAND, medium to fine, saturated, brown (no free product present)
10							SAND and GRAVEL, saturated, no oil
11					softer		GRAVEL, some sand
12							
							Bottom of boring at 12'

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Boring # OPH - Q
Page 1 of 2

PROJECT Huffy/True Temper/ Wallingford Oil Spill PROJECT # H99019f

SITE ADDRESS 2 Maple Street

STATE VT COUNTY Rutland CITY/TOWNSHIP Rutland

LOCATION ON SITE courtyard, 9.1' west of boilerhouse, 17' north of building #3

METHOD(S) Direct Push RIG Geoprobe 540U HOLE DIA. 2.5" SAMPLER & SIZE 1 ½" x 48' GP

DRILLING CO. NE Env. Tech DRILLERS Jim and Nick LOGGED BY M.Morris

DATE STARTED 5 /20/99 DATE FINISHED 5 /20/ 99

~~BORING COMPLETED AS MW~~ or x BACKFILLED DATE 5/20/99 MATERIAL bentonite

DEPTH TO WATER: Encountered n/a ', At completion 7.25 ', After x hrs. water was at n/a '

DEPTH	SAMPLE INFORMATION #	TYPE	FROM / TO	REC.	BLOW CT ADV RATE	PID or Elev.	MATERIAL / DRILLING AND OTHER NOTES
0							surface: concrete
1	1	auger cuttings	0.0' - 4.0'	n/a		0.0	4" concrete over gravel FILL ash, cinders, sand, silt
2							
3						0.0	
4							
5	2	GP	4.0' - 8.0'	11"		0.0	
6							SAND, some gravel, brown
7						0.0	saturated
8							
9	3	GP	8.0' - 9.0'	9"		43	SAND, some gravel, gray-black, oily
10							bottom of boring @ 9.0', refusal
11							
12							

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SUBSURFACE EXPLORATION LOG

Boring # OPH - R
Page 1 of 2

PROJECT Huffy/True Temper/ Wallingford Oil Spill PROJECT # H99019f

SITE ADDRESS 2 Maple Street

STATE VT COUNTY Rutland CITY/TOWNSHIP Rutland

LOCATION ON SITE inside building #3 near door, 22' south, 37' west of building corner

METHOD(S) Direct Push RIG Geoprobe 540U HOLE DIA. 2.5" SAMPLER & SIZE 1 ½" x 48' GP

DRILLING CO. NE Env. Tech DRILLERS Jim and Nick LOGGED BY M.Morris

DATE STARTED 5 /20/99 DATE FINISHED 5 /20/ 99

~~BORING COMPLETED AS MW-~~ or x BACKFILLED DATE 5/20/99 MATERIAL bentonite

DEPTH TO WATER: Encountered n/a ', At completion n/a ', After x hrs. water was at n/a '

DEPTH	SAMPLE INFORMATION #	TYPE	FROM / TO	REC.	BLOW CT ADV RATE	PID or Elev.	MATERIAL / DRILLING AND OTHER NOTES
0							surface: concrete
1	1	GP	0.0' - 4.0'	16"		0.0	6" concrete over gravel GRAVEL, some sand and silt
2							
3						0.0	
4							
5	2	GP	4.0' - 8.0'	20"		1.0	SAND, some silt, brown little gravel, damp
6							
7						0.0	SAND, medium-fine, yellowish brown
8	3	GP	8.0' to 10.0'	9"		24	SAND, medium to fine, gray
9							
10							
11							bottom of boring @ 10.0', refusal
12							

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SUBSURFACE EXPLORATION LOG

PROJECT Huffy/True Temper/ Wallingford Oil Spill PROJECT # H99019f

Boring # OPH - S
Page 1 of 2

SITE ADDRESS 2 Maple Street

STATE VT COUNTY Rutland CITY/TOWNSHIP Rutland

LOCATION ON SITE Courtyard, 47' west of boilerhouse, 38 ½' north of building #3

METHOD(S) Direct Push RIG Geoprobe 540U HOLE DIA. 2.5" SAMPLER & SIZE 1 ½" x 48' GP

DRILLING CO. NE Env. Tech DRILLERS Jim and Nick LOGGED BY M.Morris

DATE STARTED 5 /20/99 DATE FINISHED 5 /20/ 99

~~BORING COMPLETED AS MW-~~ or x BACKFILLED DATE 5/20/99 MATERIAL bentonite

DEPTH TO WATER: Encountered n/a ', At completion n/a ', After x hrs. water was at n/a '

DEPTH	SAMPLE INFORMATION #	TYPE	FROM / TO	REC.	BLOW CT ADV RATE	PID or Elev.	MATERIAL / DRILLING AND OTHER NOTES
0							surface: concrete
1	1	GP	0.0' - 4.0'	18"		0.0	3" concrete over gravel FILL ash, cinders, sand and silt
2							
3						0.0	
4							
5	2	GP	4.0' - 8.0'	23"		0.0	GRAVEL and SAND, medium to fine
6							
7						0.0	
8							SAND, medium to fine, gray few rusty granules
9	3	GP	8.0' - 9.0'	12"		0.0	SAND and GRAVEL, saturated (no oil observed)
10							
11							bottom of boring @ 10.0', refusal
12							

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SUBSURFACE EXPLORATION LOG

Project	True Temper Wallingford	Project #	H99019 i
Site Address	2 Maple Street		
City/Twp.	Wallingford	County	Rutland
State	VT		
Location	17.5' N of fire pump house 24.5' E of fuel shed		
Drilling Co.	Fore Testing	Operator	Bob Bender
Logged by	M.Morris		
Method(s)	4¼"ID HSA	Rig	D-50
Sampler method	split spoon		
Hole Size	10"	Start Date	Sept. 14, 1999
End Date	Sept. 14, 1999		

Hole # OPH-T

Page 1 of 1

[ ] Boring completed as a well, OR [X] Backfilled: Date 9/14 Material bentonite

DEPTH TO WATER: Encountered at ? ' At completion ? ' After .5 hr. water was at ? '

Depth	Sample Information #	Type	From / to	Recov	Adv. rate Blow count	PID	Material / Drilling and Other Notes
							Surface Sawdust & gravel with grass
0							
1	1	SS	0.0' to 2.0'	12"	1 1 1 1	0	FILL, Cinders and ash
2							
3	2	SS	2.0' to 4.0'	1/2"	3 3 2 2	0	FILL, Cinders and Ash
4							
5	3	SS	4.0' to 6.0'	5"	1 1 1 2	0	FILL, Cinders and ash
6							
7	4	SS	6.0' to 8.0'	0	3 3 3 2	15	
8							
9	5	SS	8.0' to 8.5'	15"	35 100/ ½"		SILT, SAND and some gravel, black, Oil saturated blow in
10							Bottom of Boring TD + 8.5' Concrete (?)

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SUBSURFACE EXPLORATION LOG

Project	True Temper Wallingford	Project #	H99019
Site Address	2 Maple Street		
City/Twp.	Wallingford	County	Rutland
State	VT		
Location	In work yard west of boiler house, 20' N of Bldg.3 and 43' W of Bldg. 39		
Drilling Co.	Fore Testing	Operator	Bob Bender
Logged by	M.Morris		
Method(s)	4¼"ID HSA	Rig	D-50
Sampler method	split spoon		
Hole Size	14"	Start Date	Sept. 13, 1999
End Date	Sept. 13, 1999		

Hole # OPH-U

Page 1 of 2

[X] Boring completed as a well, OR [ ] ~~Backfilled: Date~~ _____ ~~Material~~ _____

DEPTH TO WATER: Encountered at 10' At completion 14.1' After ___hrs. water was at ___'

Depth	Sample Information #	Type	From / to	Recov	Adv. rate Blow count	PID	Material / Drilling and Other Notes
							Surface Gravel
0							
1	1	cut	0.0' to 2.0'	n/a	x x x x	0	SAND & GRAVEL
2							SAND
3	2	ss	2.0' to 4.0'	14"	4 3 3 3	0	FILL, sand & Cinders
4							
5	3	ss	4.0' to 6.0'	6"	2 3 3 6	0	FILL, cinders, coarse
6							
7	4	ss	6.0' to 8.0'	3"	5 3 3 4	0	FILL, cinders and sand
8							
9	5	ss	8.0' to 10.0'	5"	2 2 30 21	0	SAND & silt, thin oxidized zones wet not saturated MFG took sample
10							

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SUBSURFACE EXPLORATION LOG

Project Name True Temper, Wallingford Project # H99019i Hole # OPH-U page 2 of 2

Depth	SAMPLE INFORMATION #	Type	Interval	Recov	Blow Count	PID	Material / Drilling and other notes
10							
11	6	ss	10.0' to 12.0'	11"	20 12 22 18	0	SAND & GRAVEL, saturated
12							
13	7	ss	12.0' to 14.0'	7"	12 11 8 4	0	SAND & COBBLES, saturated
14							
15	8	ss	14.0' to 16.0'		11 8 5 3	0	SAND, coarse and GRANULES
16							
17	x	x	x	x	x x		
18							Bottom of Boring TD + 17.5
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							

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SUBSURFACE EXPLORATION LOG

Project	True Temper Wallingford	Project #	H99019	Hole #	OPH-V
Site Address	2 Maple Street			Page 1 of 2	
City/Twp.	Wallingford	County	Rutland	State	VT
Location	at south side of log storage, 15' West of SW corner of fuel shed				
Drilling Co.	Fore Testing	Operator	Bob Bender	Logged by	M.Morris
Method(s)	4¼"ID HSA	Rig	D-50	Sampler method	split spoon
Hole Size	8"	Start Date	Sept. 13, 1999	End Date	Sept. 13, 1999

[X] Boring completed as a well, ~~-OR~~ [ ] ~~Backfilled: Date~~ ____ ~~Material~~ ____

DEPTH TO WATER: Encountered at 7' At completion 11.5 ' After ___hrs. water was at ___'

Depth	Sample Information #	Type	From / to	Recov	Adv. rate Blow count	PID	Material / Drilling and Other Notes
0							Surface Muck and gravel
1	1	CUT	0.0' to 2.0'	n/a	x x x x		FILL, Gravel, small, and sawdust, sat. Light gray FILL, gravel, cobbles and some sand Brown, saturated
2							
3	2	SS	2.0' to 4.0'	17"	12 11 10 10	0.4	FILL, sand and gravel, brown FILL, cinders, black
4							
5	3	SS	4.0' to 6.0'	8"	25 22 21 12	0.0	SAND & GRAVEL, tan & gray
6							
7	4	SS	6.0' to 8.0'	18"	5 3 3 3	0.0	SAND, med. to fine SAND, fine to v.fine, some silt, gray brown
8							
9	5	SS	8.0' to 10.0'	12"	1 ↓ ↓ ↓	0.0	"
10							

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SUBSURFACE EXPLORATION LOG

Project Name True Temper, Wallingford Project # H99019i Hole # OPH-V page 2 of 2

Depth	SAMPLE INFORMATION #	Type	Interval	Recov.	Blow Count	PID	Material / Drilling and other notes
10							
11	6	SS	1.0' TO 12.0'	8"	2 1 2 20	0	SAND Rock in tip
12							
13	7	SS	12.0' to 14.0'	8"	12 16 14 15	0	GRAVEL, little sand, coarse Little silt, saturated Gray-brown
14							
15	8	SS	14.0' to 16.6'	8"	12 21 30 8	0	GRAVEL
16							SAND
17	x	x	x	x	x x		
18							BOTTOM OF BORING TD = 17'
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							

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SUBSURFACE EXPLORATION LOG

Project	True Temper Wallingford	Project #	H99019
Site Address	2 Maple Street		
City/Twp.	Wallingford	County	Rutland
State	VT		
Location	79' SSW of manhole marker post at north end of the log storage area		
Drilling Co.	Fore Testing	Operator	Bob Bender
Logged by	M.Morris		
Method(s)	4¼"ID HSA	Rig	D-50
Sampler method	split spoon		
Hole Size	14"	Start Date	Sept. 14, 1999
End Date	Sept. 14, 1999		

Hole # OPH-W

[X] Boring completed as a well, ~~OR~~ [ ] ~~Backfilled: Date~~ ____ ~~Material~~ ____

DEPTH TO WATER: Encountered at 13' At completion 12.9' After ___hrs. water was at ___'

Depth	Sample Information #	Type	From / to	Recov	Adv. rate Blow count	PID	Material / Drilling and Other Notes
							Surface gravel and bark muck
0							
1	1	CUT	0.0' to 2.0'	n/a	x x x x		FILL, gravel & bark muck
2							
3	2	SS	2.0' to 4.0'	11"	5 5 5 8	0	FILL, sand & gravel
4							
5	3	SS	4.0' to 6.0'	0"	8 16 16 20		(Gravel ?) Pushed a rock
6							
7	4	SS	6.0' to 8.0'	3"	3 4 3 4	0	GRAVEL with sand Cuttings 1"-6" rocks
8							
9	5	SS	8.0' to 10.0'	7"	3 3 4 5	0	COBBLES (rig bounce) and SAND trace old wood
10							

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SUBSURFACE EXPLORATION LOG

Project Name True Temper, Wallingford Project # H99019i Hole # OPH-W page 2 of 2

Depth	SAMPLE INFORMATION #	Type	Interval	Recov	Blow Count	PID	Material / Drilling and other notes
10							
11	6	SS	10.0' to 12.0'	1"	10 15 16 24	0	SAND & GRAVEL
12							
13	7	SS	12.0' to 14.0'	1"	12 15 123 16	0	SAND & GRAVEL, saturated
14							
15	8	SS	14.0/ to 16.0'	7"	12 14 8 5	0	SAND & GRAVEL, some silt, saturated
16							
17							
18							Bottom of Boring TD = 17.5'
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							

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SUBSURFACE EXPLORATION LOG

Project	True Temper Wallingford	Project #	H99019 i
Site Address	2 Maple Street	Hole #	OPH-X
		Page 1 of 1	
City/Twp.	Wallingford	County	Rutland
State	VT		
Location	between sawdust shed and fire pump house, 16.25' South of door to fire pump house		
Drilling Co.	Fore Testing	Operator	Bob Bender
Logged by	M.Morris		
Method(s)	4¼"ID HSA	Rig	D-50
Sampler method	split spoon		
Hole Size	9"	Start Date	Sept. 14, 1999
End Date	Sept. 14, 1999		

[ ] ~~Boring completed as a well~~ OR [x] Backfilled: Date 9/14 Material concrete

DEPTH TO WATER: Encountered at ___' At completion ___' After ___hrs. water was at ___'

Depth	Sample Information #	Type	From / to	Recov	Adv. rate Blow count	PID	Material / Drilling and Other Notes
0							Surface Sawdust
1	1	cut	0.0' to 2.0'	n/a	x x x x		FILL, sawdust, some silt and sand
2							
3	2	SS	2.0' to 4.0'	10'	5 4 4 5	0	FILL, silt sand & sawdust little ash brick and gravel
4							
5	3	SS	4.0' to 6.0'	9"	4 3 4 2		FILL, silt sand & some ash little gravel and mortar fragments
6							
7	4	SS	6.0' to 8.0'		16 20 15 20 100	100	FILL, weathered mortar fragments some sand and gravel
8							Refusal
9							BOTTOM OF BORING TD 8.2'
10							

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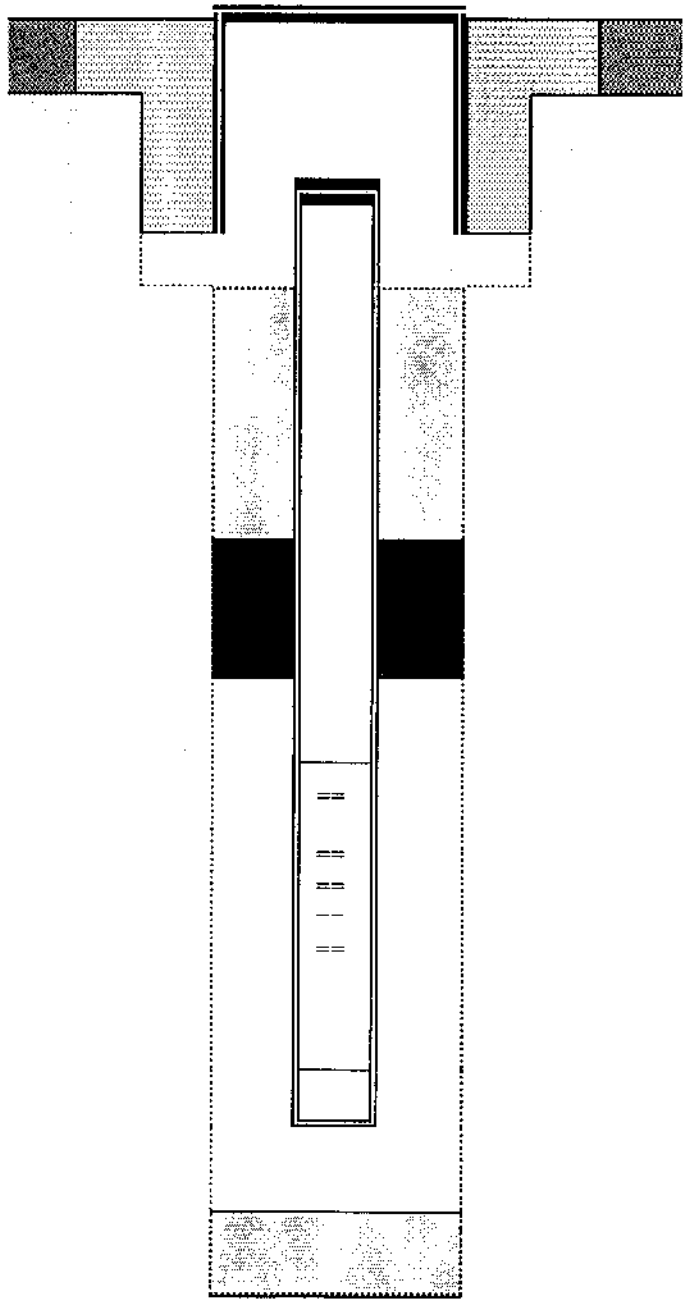
EHS TECHNOLOGY GROUP, INC.

FLUSH MOUNT MONITOR WELL AS-BUILT RECORD DRAWING

PROJECT # H99019f **BOREHOLE #** OPH F **WELL #** MW-1

DATE INSTALLATION COMPLETED 3 / 12 / 99 DATE DEVELOPED 3 / 12 / 99 DATE PUMP INSTALLED n/a

LOCATION ON SITE 11 feet southeast of northeast corner of boiler house



DEPTH	ELEV.	
+ 0.1'	96.67	Top of Pad Size 2' x 2' x 6"
0.0'	96.57	**Ground Surface**
-0.3'	96.27	Top of well Casing

Security Cover: 8" Dia. 12 " Depth

-2.0'	94.6	Top of Grout

Grout in annular void:
made of powdered bentonite
volume 1 bag

Riser: Material PVC Sch. 40
Dia. 2" Length 7.0 '

-3.0'	93.6	Top of Pack Seal

Filter Pack Seal:
Made of bentonite pellets

-4.5'	92.1	Top of Filter Pack

Filter Pack Made of coarse sand
Volume 225 lbs.

-7.6	89.0	Top of Slots

Screen Section Made of PVC
Dia. 2 in. Length 10 ft.
Slot Size 0.010 in.

-8.86 (TOC)	87.41	Water Level on 3 / 15 / 99
-17.1	79.5	Bottom of Slots
-17.61	78.96	Bottom of Well
-17.8	78.8	Bottom of Filter Pack

Material below Filter Pack sand & cave

18.0'	78.6	Bottom of Borehole
8	inches	Borehole diameter

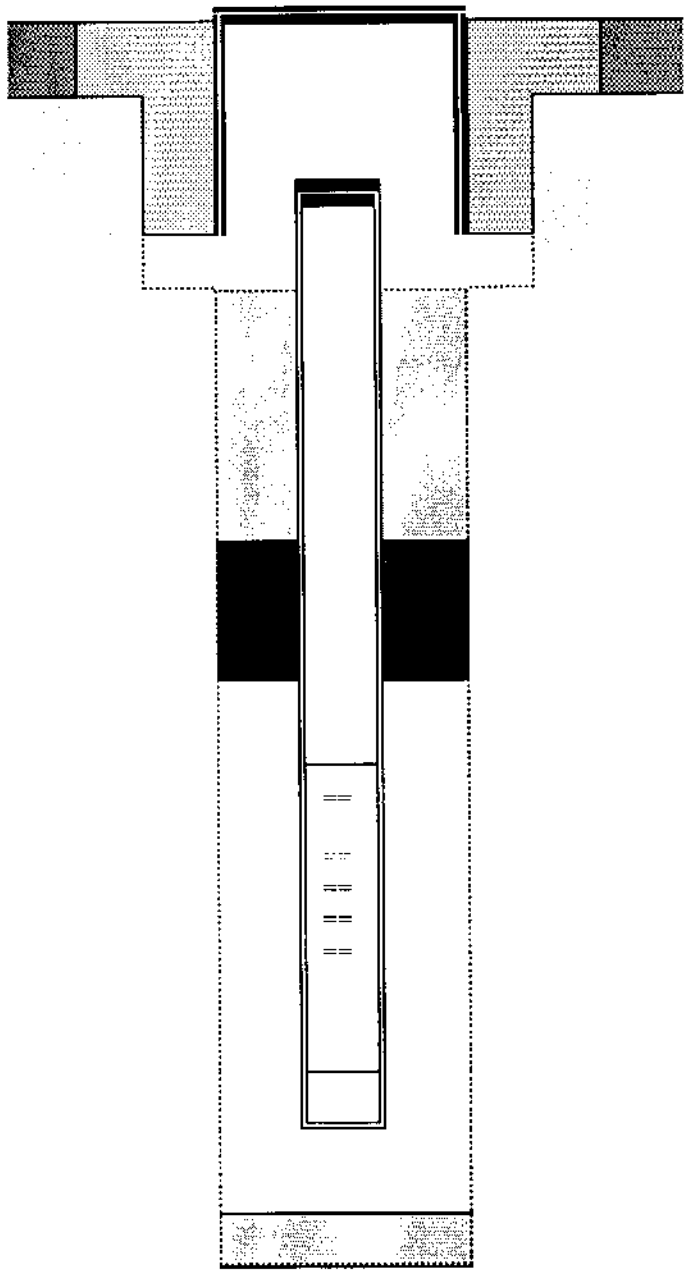
EHS TECHNOLOGY GROUP, INC.

FLUSH MOUNT MONITOR WELL AS-BUILT RECORD DRAWING

PROJECT # H99019f BOREHOLE # OPH WELL # MW-2

DATE INSTALLATION COMPLETED 3 / 12 / 99 DATE DEVELOPED 3 / 14 / 99 DATE PUMP INSTALLED / /

LOCATION ON SITE 12' N of sawdust/leveler bins, 7' S of SW corner of fire pump house



DEPTH	ELEV.	
0.1	95.97	Top of Pad Size 2' x 2' x 6"
0.0'	95.87	**Ground Surface**
-0.45'	95.32	Top of well Casing

Security Cover: 8 " Dia. 12 " Depth

-1.5	94.4	Top of Grout

Grout in annular void:
made of bentonite
volume 1 bag

Riser: Material PVC Sch. 40
Dia. 2 " Length 7.0 '

-2.0	93.9	Top of Pack Seal

Filter Pack Seal:
Made of bentonite chips

-4.5	91.4	Top of Filter Pack

Filter Pack Made of Coarse sand
Volume 2 ½ 100 lb bags

-7.7	88.2	Top of Slots

Screen Section Made of Sch 40 PVC
Dia. 2 in. Length 10.0 ft.
Slot Size 0.010 in.

9.20' (TOC)	86.12	Water Level on 3 / 14 / 99
-17.2	78.7	Bottom of Slots
-17.64	78.23	Bottom of Well
-18.2	77.7	Bottom of Filter Pack

Material below Filter Pack sand & cave

-18.4	77.5	Bottom of Borehole
9	inches	Borehole diameter

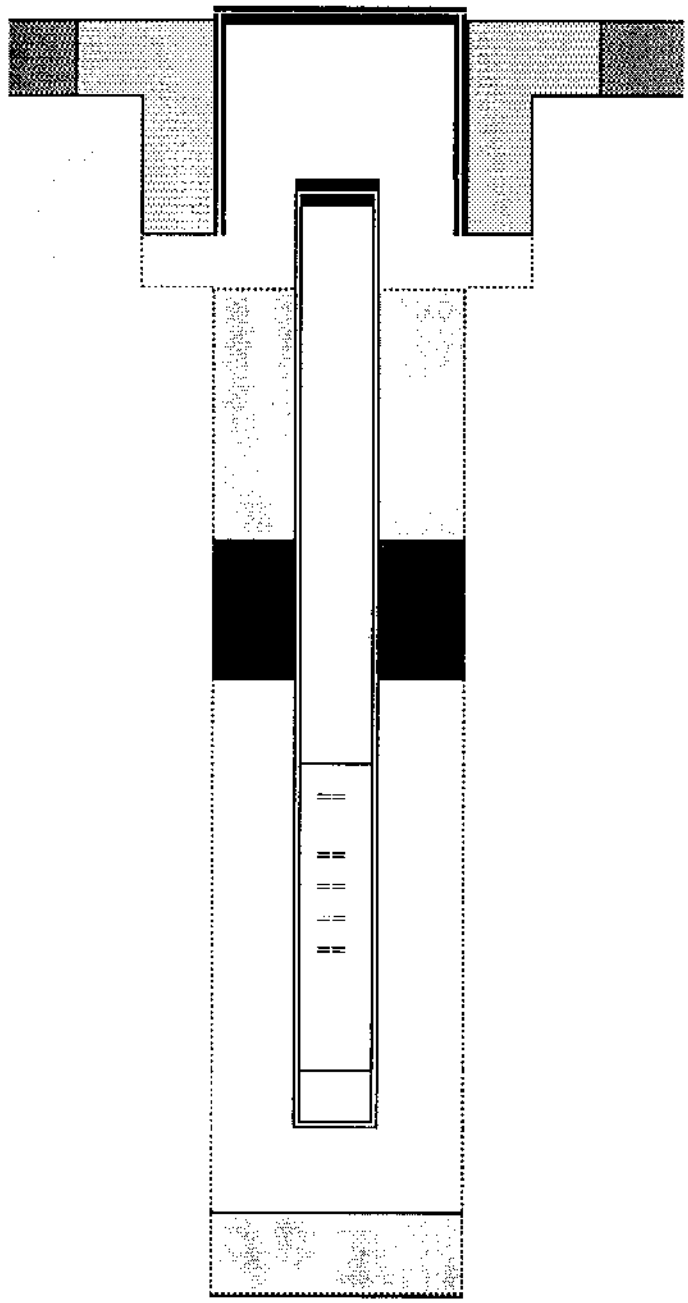
EHS TECHNOLOGY GROUP, INC

FLUSH MOUNT MONITOR WELL AS-BUILT RECORD DRAWING

PROJECT # 1199019f **BOREHOLE #** OPH D **WELL #** MW-3

DATE INSTALLATION COMPLETED 3 /11 /99 DATE DEVELOPED 3 /12 /99 DATE PUMP INSTALLED n /a

LOCATION ON SITE 6 feet northeast of edge of 108,000 gallon fire water UST



DEPTH	ELEV.	
±0.2	95.55	Top of Pad Size 2' x 2' x6"
0.0'	95.35	**Ground Surface**
- 0.2	95.15	Top of well Casing

Security Cover: 8" Dia. 12" Depth

-2.0	93.4	Top of Grout

Grout in annular void:
made of bentonite powder
volume 1 bag

Riser: Material PVC Sch. 40
Dia. 2 " Length 5.0 '

-4.5'	90.9	Top of Pack Seal

Filter Pack Seal:
Made of benonite chips

-5.0	90.5	Top of Filter Pack

Filter Pack Made of coarse sand
Volume 225 lbs.

-5.6	89.8	Top of Slots

Screen Section Made of PVC
Dia. 2 in. Length 10 ft.
Slot Size 0.010 in.

-8.86 **(TOC)**	86.29	Water Level on 3 / 15 / 99
-15.1	80.3	Bottom of Slots
-15.56	79.79	Bottom of Well
-17.0'	78.4	Bottom of Filter Pack

Material below Filter Pack sand & slump

-20.0	75.4	Bottom of Borehole
8	inches	Borehole diameter

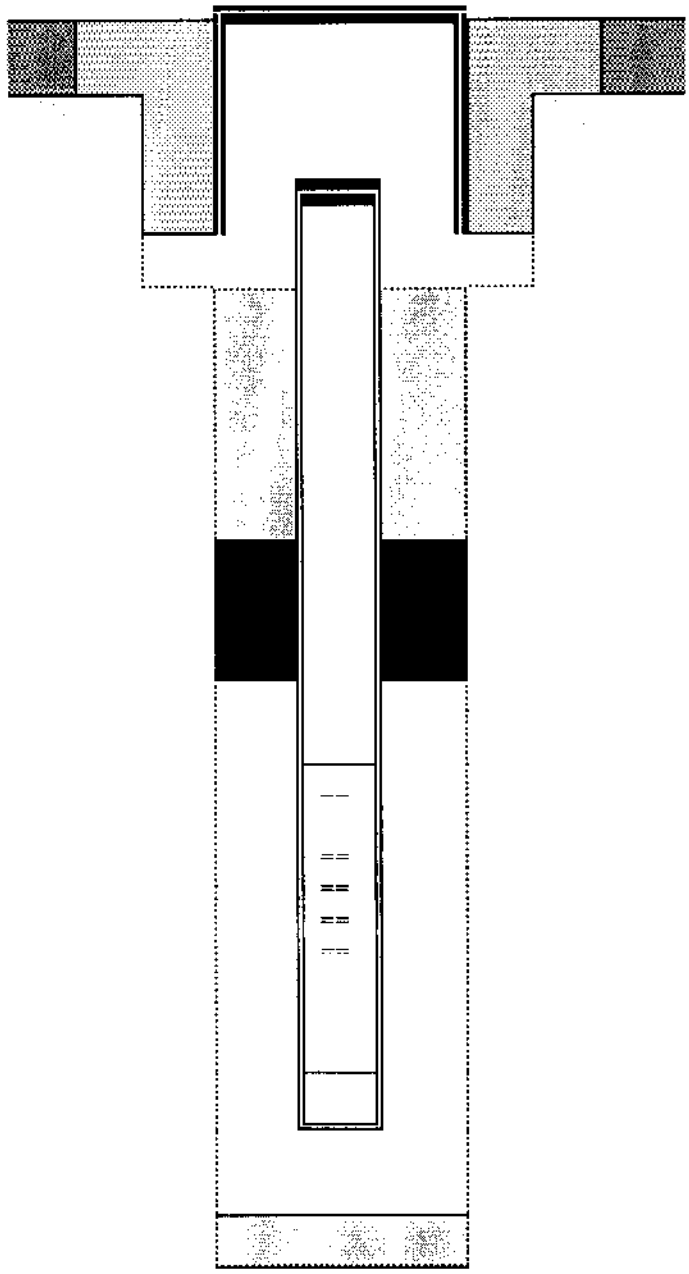
EHS TECHNOLOGY GROUP, INC.

FLUSH MOUNT MONITOR WELL AS-BUILT RECORD DRAWING

PROJECT # H99019f **BOREHOLE #** OPH E **WELL #** MW-4

DATE INSTALLATION COMPLETED 3 / 11 / 99 DATE DEVELOPED 3 / 12 / 99 DATE PUMP INSTALLED n/a

LOCATION ON SITE 28 feet east southeast of northern outfall of covered brook



DEPTH	ELEV.	
±0.3	95.62	Top of Pad Size 2' x 2' x6"
0.0'	95.32	**Ground Surface**
-0.2	95.12	Top of well Casing

Security Cover: 8 " Dia. 12 " Depth

-2.0	93.3	Top of Grout

Grout in annular void:
made of powdered bentonite
volume 1 bag

Riser: Material PVC Sch. 40
Dia. 2" Length 7.0 '

-3.5	91.8	Top of Pack Seal

Filter Pack Seal:
Made of bentonite chips

-5.0	90.3	Top of Filter Pack

Filter Pack Made of coarse sand
Volume 225 lbs.

-7.0	88.3	Top of Slots

Screen Section Made of Sch 40 PVC
Dia. 2 in. Length 10 ft.
Slot Size 0.010 in.

-9.55 **(TOC)**	85.57	Water Level on 3 / 15 / 99
-16.5	78.8	Bottom of Slots
-17.0	78.3	Bottom of Well
-18.0	77.3	Bottom of Filter Pack

Material below Filter Pack sand & slump

-20.0	75.3	Bottom of Borehole
8	inches	Borehole diameter

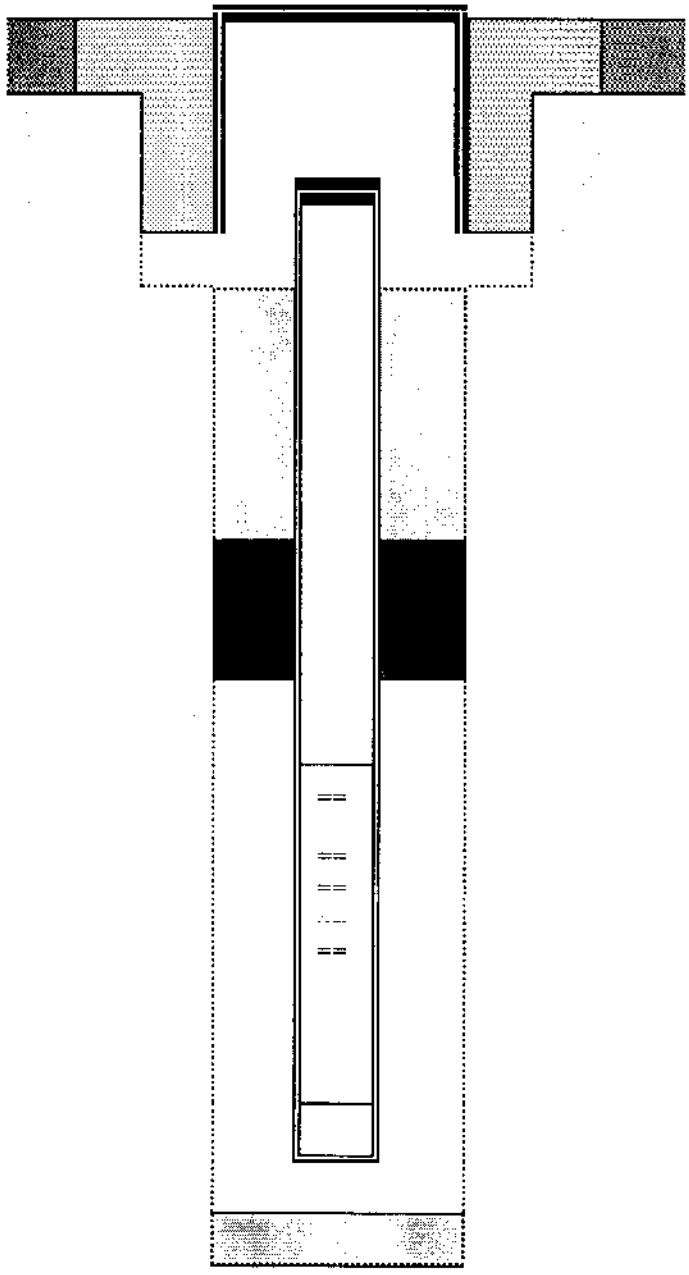
EHS TECHNOLOGY GROUP, INC.

FLUSH MOUNT MONITOR WELL AS-BUILT RECORD DRAWING

PROJECT # H99019i **BOREHOLE #** OPH-U **WELL #** MW-6

DATE INSTALLATION COMPLETED 9/ 13 / 99 DATE DEVELOPED 9 /15 /99 DATE PUMP INSTALLED n / a

LOCATION ON SITE In work yard west of boiler house, 20' N of Bldg.3 and 43' W of Bldg. 39



DEPTH	ELEV.	
+0.05	94.94	Top of Pad Size 2' x 2' x 6"
0.0'	94.89	**Ground Surface**
-.31	94.63	Top of well Casing

Security Cover: 9" Dia. 12 " Depth

-2.0	92.9	Top of Grout

Grout in annular void:
made of bentonite granules
volume 2 bags

Riser: Material PVC Sch. 40
Dia. 2 " Length 6.6'

-4.0	90.9	Top of Pack Seal

Filter Pack Seal:
Made of bentonite pellets, ½ bucket

-5.0	89.9	Top of Filter Pack

Filter Pack Made of #5 Global sand
Volume 7 bags

-7.2	87.7	Top of Slots

Screen Section Made of PVC
Dia. 2 in. Length 10 ft.
Slot Size 0.010 in.

9.93	84.70	Water Level on 9 /15 /99

(TOC)

-16.7	78.2	Bottom of Slots
-17.21	77.68	Bottom of Well
-17.3	77.6	Bottom of Filter Pack

Material below Filter Pack cave

17.5'	77.4	Bottom of Borehole
14	inches	Borehole diameter

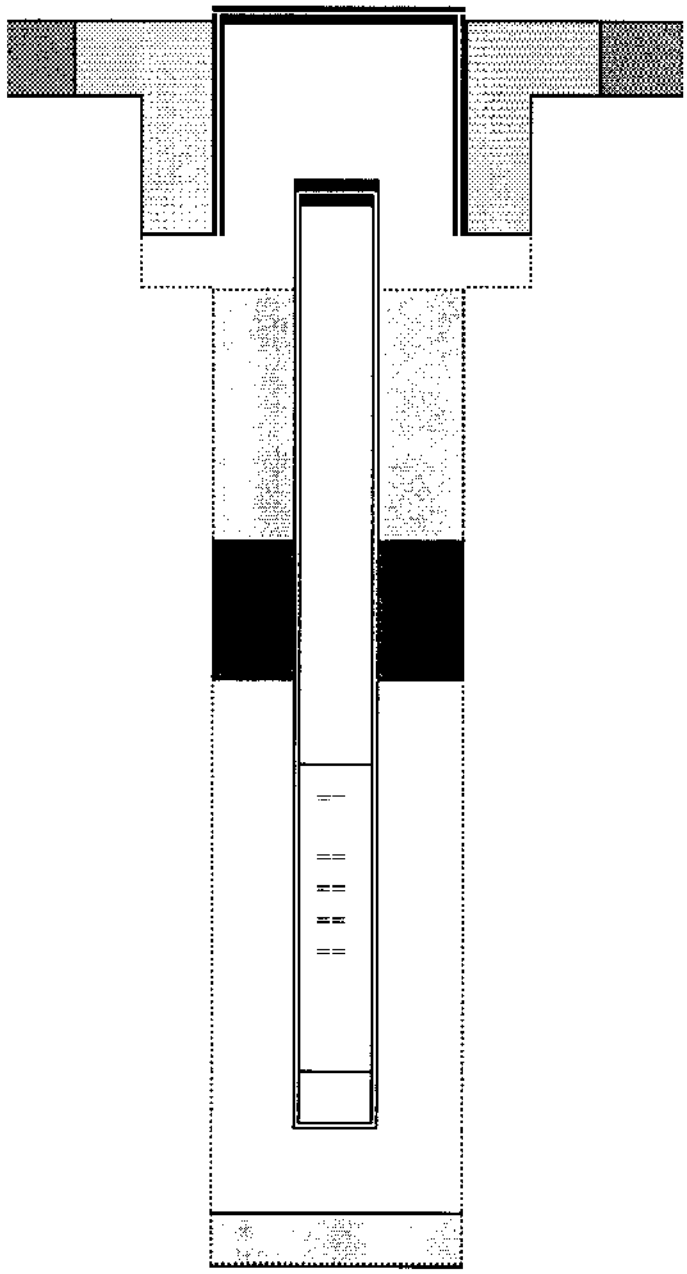
EHS TECHNOLOGY GROUP, INC

FLUSH MOUNT MONITOR WELL AS-BUILT RECORD DRAWING

PROJECT # 11990191 **BOREHOLE #** OPH-V **WELL #** MW-7

DATE INSTALLATION COMPLETED 9/13/99 DATE DEVELOPED 9/15/99 DATE PUMP INSTALLED n/a

LOCATION ON SITE at south side of log storage, 15' West of SW corner of fuel shed



DEPTH	ELEV.	
+0.1	94.99	Top of Pad Size 2' x 2' x 6"
0.0'	94.89	**Ground Surface**
-.16	94.73	Top of well Casing

Security Cover: 9" Dia. 12 " Depth

-2	92.9	Top of Grout

Grout in annular void:
made of bentonite granules
volume 2 bags

Riser: Material PVC Sch. 40
Dia. 2 " Length 6.4'

-4.0'	90.9	Top of Pack Seal

Filter Pack Seal:
Made of bentonite pellets, ½ bucket

-4.9'	90.0	Top of Filter Pack

Filter Pack Made of #5 Global sand
Volume 4.5 bags

-7.2	87.7	Top of Slots

Screen Section Made of PVC
Dia. 2 in. Length 10 ft.
Slot Size 0.010 in.

-10.41 **(TOC)**	84.32	Water Level on 9/15/99
-16.4	78.5	Bottom of Slots
-16.9	78.0	Bottom of Well
-17	77.9	Bottom of Filter Pack

Material below Filter Pack n/a

- 17	77.9	Bottom of Borehole
8	inches	Borehole diameter

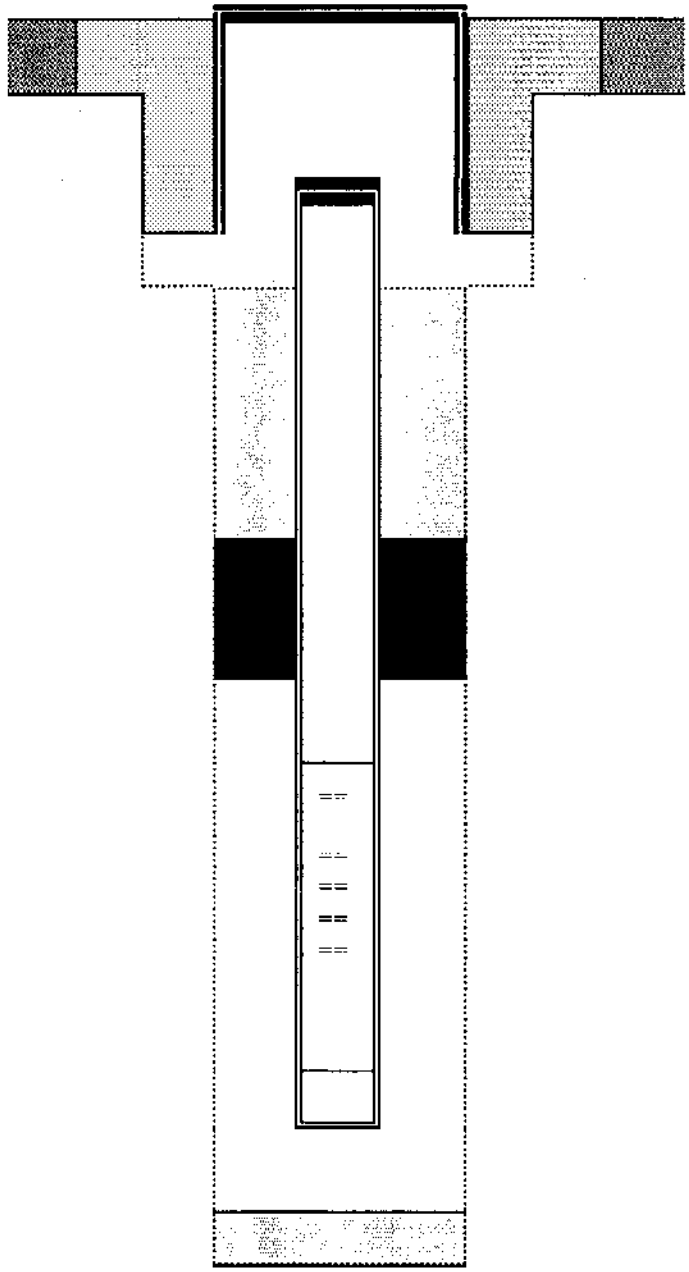
EHS TECHNOLOGY GROUP, INC

FLUSH MOUNT MONITOR WELL AS-BUILT RECORD DRAWING

PROJECT # H99019i **BOREHOLE #** OPH-W **WELL #** MW-8

DATE INSTALLATION COMPLETED 9/14/99 DATE DEVELOPED 9/15/99 DATE PUMP INSTALLED n/a

LOCATION ON SITE 79' SSW of manhole marker-post at north end of the log storage area



DEPTH	ELEV.	
0.1	94.32	Top of Pad Size 2' x 2' x 6"
0.0'	94.22	**Ground Surface**
-0.5'	93.72	Top of well Casing

Security Cover: 9" Dia. 12 " Depth

-2	92.2	Top of Grout

Grout in annular void:
made of bentonite
volume 1 bag

Riser: Material PVC Sch. 40
Dia. 2 " Length 6.8'

-3.8'	90.4	Top of Pack Seal

Filter Pack Seal:
Made of bentonite pellets, ½ bucket

-5.1	89.1	Top of Filter Pack

Filter Pack Made of #5 Global sand
Volume 7 bags

-7.2'	87.0	Top of Slots

Screen Section Made of PVC
Dia. 2 in. Length 10 ft.
Slot Size 0.010 in.

-10.60 **(TOC)**	83.12	Water Level on 9/15/99
-16.7'	77.5	Bottom of Slots
17.19	77.03	Bottom of Well
-17.4	76.8	Bottom of Filter Pack

Material below Filter Pack Cave

-17.5'	76.7	Bottom of Borehole
14	inches	Borehole diameter

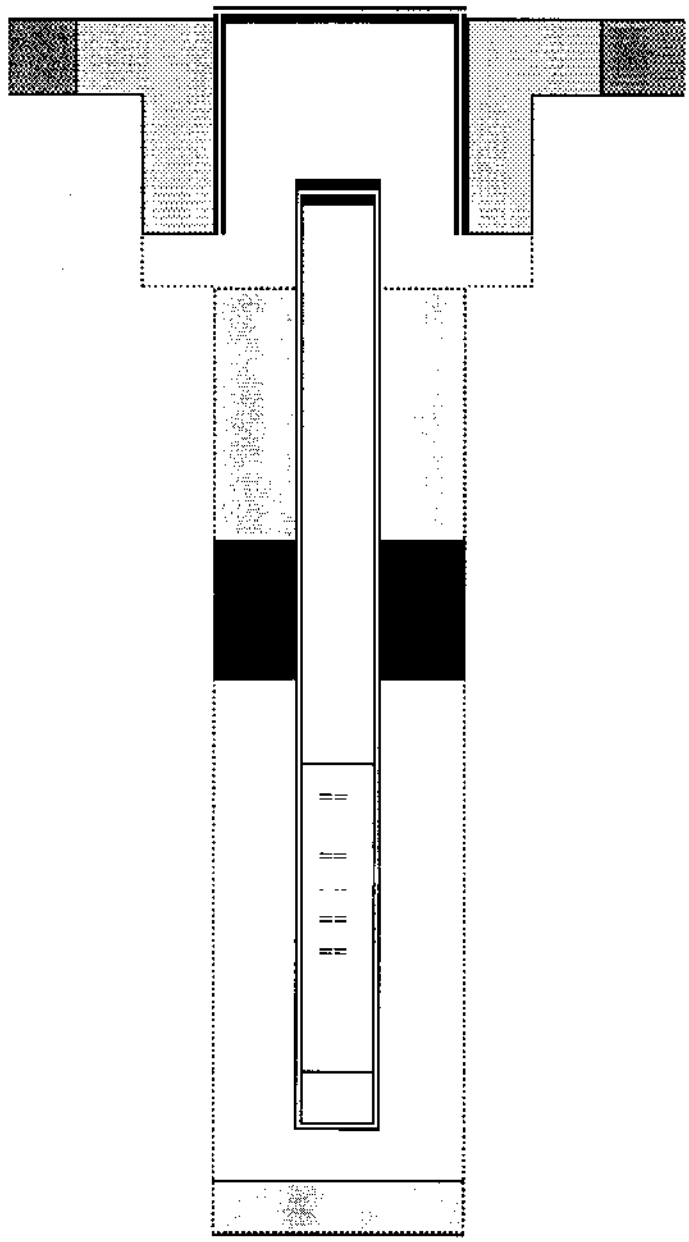
EHS TECHNOLOGY GROUP, INC.

FLUSH MOUNT MONITOR WELL AS-BUILT RECORD DRAWING

PROJECT # H99019i **BOREHOLE #** MFG-1a **WELL #** MW-9

DATE INSTALLATION COMPLETED 9/14/99 DATE DEVELOPED 9/15/99 DATE PUMP INSTALLED n/a

LOCATION ON SITE at SE corner of mill by old transformer pad, 12' W of bldg. 5, 11.5' S of bldg. 4



DEPTH	ELEV.	
+0.1	95.69	Top of Pad Size 2' x 2' x 6"
0.0'	95.59	**Ground Surface**
-.25	95.34	Top of well Casing

Security Cover: 9" Dia. 12" Depth

-2.3	93.3	Top of Grout

Grout in annular void:
made of bentonite granules
volume 2/3 bag

Riser: Material PVC Sch. 40
Dia. 2" Length 4.5'

-4.0	91.6	Top of Pack Seal

Filter Pack Seal:
Made of bentonite pellets, ½ bucket

-6.0'	89.6	Top of Filter Pack

Filter Pack Made of #5 Global sand
Volume 4 bags

5.6'	90.0	Top of Slots

Screen Section Made of PVC
Dia. 2 in. Length 10 ft.
Slot Size 0.010 in.

-8.30' (TOC)	87.04	Water Level on 9/15/99
-14.6'	81.0	Bottom of Slots
-15.1'	80.5	Bottom of Well
-15.5'	80.1	Bottom of Filter Pack

Material below Filter Pack cave

-16.0'	79.6	Bottom of Borehole
9	inches	Borehole diameter

WELL DEVELOPMENT RECORD

PROJECT Huffy / True Temper / Ames PROJ.# H99019f WELL # MW-1
WELL LOCATION near NE corner of boiler house
COMPANY EHS CREW NAME(S) Matt & Mike

AS-BUILT INFORMATION:

Total depth to bottom plug (from TOC) 17.4 feet
Total depth to bottom of slots (from TOC) 16.9 feet
Casing Diameter 2 inches Casing schedule 40
Slot Size 0.020 inches Screen interval 7.1' to 16.9'

DEVELOPMENT METHOD/EQUIPMENT USED:

Surging by Surge block and bailer Evacuated by pump and bailer
Depth measurments by electric tape Turbidity determined by eye

INITIAL WELL CONDITIONS:

Depth to water surface (TOC) 8.85 feet
Depth to bottom of well (TOC) 16.9 feet

2"dia. wells have 0.17 gal./ft.
4"dia. wells have 0.66 gal./ft.

Initial volume of water in well: 8.05 feet of water x .17 gal./ft = 1.4 gal.
Volume of water lost to formation while drilling: 0 gal.
Turbidity high Particle sizes fine sand + silt
Color dark brown Odor petro
Estimated initial production/recovery rate 1 gpm

DEVELOPING DATA:

Time and date development started 2:15 3/12/99

Volume removed	9	16	30	42					
Surged	yes	yes	yes	yes					
Turbidity Meas.	very	very	some	little					
other									
other									
other									

Volume of water added to well during development 0 gal.
Total volume of water and sediment removed from well 42 gal.
Water and sediment disposed of by Drummed
Time and date development stopped 4:00 3/12/99

CONDITIONS AFTER DEVELOPMENT:

Depth to water surface (TOC) 8.85 feet ☐ static ☐ rising
Depth to bottom of well (TOC) 16.9 feet
Total volume of water removed: 42 gal.
Turbidity some Particle Sizes silt + fine sand
Color brown Odor petro
Estimated final production/recovery rate 1 gpm

DEVELOPMENT ACCEPTED BY [signature]
(Signature)

WELL DEVELOPMENT RECORD

PROJECT Huffy / True Temper / Ames PROJ.# H99019f WELL # MW-2
WELL LOCATION between fire pump house and sawdust shed
COMPANY EHS CREW NAME(S) Matt & Mike

AS-BUILT INFORMATION:

Total depth to bottom plug (from TOC) 17.0 feet
Total depth to bottom of slots (from TOC) 16.5 feet
Casing Diameter 2 inches Casing schedule 40
Slot Size 0.020 inches Screen interval 7.6' to 16.5'

DEVELOPMENT METHOD/EQUIPMENT USED:

Surging by Surge block and bailer Evacuated by pump and bailer
Depth measurments by electric tape Turbidity determined by eye

INITIAL WELL CONDITIONS:

Depth to water surface (TOC) 9.20 feet
Depth to bottom of well (TOC) 17.00 feet

2"dia. wells have 0.17 gal./ft.
4"dia. wells have 0.66 gal./ft.

Initial volume of water in well: 7.8 feet of water x 0.17 gal./ft = 1.3 gal.
Volume of water lost to formation while drilling: 0 gal.
Turbidity heavy Particle sizes silt + fine sand
Color black brown Odor fuel oil
Estimated initial production/recovery rate 1 gpm

DEVELOPING DATA:

Time and date development started 3 PM 3/14/99

Volume removed	5	10	15	20	30	40	L			
Surged	✓	✓	✓	✓	✓	✓				
Turbidity Meas.	heavy	heavy	heavy	some	some	some				
other										
other										
other										

Volume of water added to well during development 0 gal.
Total volume of water and sediment removed from well 42 gal.
Water and sediment disposed of by Drummed
Time and date development stopped 6:PM 3/14/99

CONDITIONS AFTER DEVELOPMENT:

Depth to water surface (TOC) 9.20 feet ☐ static ☐ rising
Depth to bottom of well (TOC) 17.00 feet
Total volume of water removed: 42 gal.
Turbidity some Particle Sizes silt + fine sand
Color brown Odor petro
Estimated final production/recovery rate 1 gpm

DEVELOPMENT ACCEPTED BY [signature]
(Signature)

WELL DEVELOPMENT RECORD

PROJECT Huffy / True Temper / Ames PROJ.# H99019f WELL # MW-3
WELL LOCATION 6' NE of fire water UST
COMPANY EHS CREW NAME(S) Matt & Mike

AS-BUILT INFORMATION:

Total depth to bottom plug (from TOC) 15.3 feet
Total depth to bottom of slots (from TOC) 14.1 feet
Casing Diameter 2 inches Casing schedule 40
Slot Size 0.020 inches Screen interval 5.5' to 14.1'

DEVELOPMENT METHOD/EQUIPMENT USED:

Surging by Surge block and bailer Evacuated by pump and bailer
Depth measurments by electric tape Turbidity determined by eye

INITIAL WELL CONDITIONS:

Depth to water surface (TOC) 8.86 feet
Depth to bottom of well (TOC) 14.1 feet

2"dia. wells have 0.17 gal./ft.
4"dia. wells have 0.66 gal./ft.

Initial volume of water in well: 5.24 feet of water x 0.17 gal./ft = 0.9 gal.
Volume of water lost to formation while drilling: 0 gal.
Turbidity high Particle sizes silt + fine sand
Color brown black Odor petro
Estimated initial production/recovery rate 1 gpm

DEVELOPING DATA:

Time and date development started 9 3/12/99

Volume removed	12	15	18	24	29	32	35		
Surged	✓	✓	✓	✓	✓	✓	✓		
Turbidity Meas.	very	very	very	very	some	some	some		
other									
other									
other									

Volume of water added to well during development 0 gal.
Total volume of water and sediment removed from well 35 gal.
Water and sediment disposed of by Drummed
Time and date development stopped 11:00 3/12/99

CONDITIONS AFTER DEVELOPMENT:

Depth to water surface (TOC) 8.86 feet ☐ static ☐ rising
Depth to bottom of well (TOC) 14.1 feet
Total volume of water removed: 35 gal.
Turbidity some Particle Sizes silt + fine sand
Color brown Odor Petro
Estimated final production/recovery rate 1 gpm

DEVELOPMENT ACCEPTED BY [signature]
(Signature)

WELL DEVELOPMENT RECORD

PROJECT Huffy / True Temper / Ames PROJ.# H99019f WELL # MW-4
WELL LOCATION SE of culvert outfall by spray pipe
COMPANY EHS CREW NAME(S) Matt & Mike

AS-BUILT INFORMATION:

Total depth to bottom plug (from TOC) 16.8 feet
Total depth to bottom of slots (from TOC) 16.5 feet
Casing Diameter 2 inches Casing schedule 40
Slot Size 0.020 inches Screen interval 6.4' to 16.5'

DEVELOPMENT METHOD/EQUIPMENT USED:

Surging by Surge block and bailer Evacuated by pump and bailer
Depth measurments by electric tape Turbidity determined by eye

INITIAL WELL CONDITIONS:

Depth to water surface (TOC) 9.55 feet
Depth to bottom of well (TOC) 16.5 feet

2"dia. wells have 0.17 gal./ft.
4"dia. wells have 0.66 gal./ft.

Initial volume of water in well: 7 feet of water x 0.17 gal./ft = 1.2 gal.
Volume of water lost to formation while drilling: 0 gal.
Turbidity very high Particle sizes silt + fine sand
Color black brown Odor petro
Estimated initial production/recovery rate 1 gpm

DEVELOPING DATA:

Time and date development started 11:35 3/12/99

Volume removed	6	9	13	18	24	27	29	31	
Surged	✓	✓	✓	✓	✓	✓	✓	✓	
Turbidity Meas.	very	very	very	very	very	some	some	some	
other									
other									
other									

Volume of water added to well during development 0 gal.
Total volume of water and sediment removed from well 31 gal.
Water and sediment disposed of by Drummed
Time and date development stopped 2:0 3/12/99

CONDITIONS AFTER DEVELOPMENT:

Depth to water surface (TOC) 9.55 feet ☐ static ☐ rising
Depth to bottom of well (TOC) 16.5 feet
Total volume of water removed: 31 gal.
Turbidity some Particle Sizes silt + fine sand
Color brown Odor petro
Estimated final production/recovery rate <1 gpm

DEVELOPMENT ACCEPTED BY [signature]
(Signature)

BASIC WELL DATA

WALLINGFORD (Town) — 06-050 (Code Numbers)

Location measured from _____

Well No.	Owner	Location	Depth (Ft.)	Yield (G.P.M.)	Rock or Gravel
033	EDWARD WELLS	27a4 432751 725533	275	1	ROCK
034	LEWIS BELLAMY	27a7 432830 725220	58	71	GRAVEL
035	JOS. WILDER	27a2 432655 725840	75	7	ROCK
036	WALLINGFORD FIRE DIST #1	27a1 432759 725920	73	50	GRAVEL
037	ROBT JOHNSON	27a1 432924 725808	142	3½	ROCK
038	RAYMOND PETROSSI	27a3 432356 725925	330	2	"
039	JOHN ZECHER	27a4 432744 725550	200	1	"
040	HOWARD DAVISON	27a2 432658 725847	110	5	"
041	HUGO BAILEY	27a4 432747 725727	197	5	"
042	RICHARD SAVERY	27a7 432843 725408	172	3½	"
043	JOANNE CROSSMAN	27a3 432422 725930	260	7	"
044	EUGENE BOGERT	27a1 432918 725743	172	6	"
045	WAGGAMAN & COLLYER	27a1 432834 725851	178	30	"
X 046	Continental Telephone Co. of Vt.	27a1	59	20	"
47	Alvin Belcher	27a8	114	2	"
48	Todd Morse	27a7	130	4	"
49	Marceline Lambert	27a4	46	12	"
X 50	ROGER LAPRE	27a1	250	½	ROCK
X 51	" # 4	27a1	175	1	"
52	DARROW R. McLEOD	27a7	122	7	"
X 53	FRED THURLOW	27a1	297	10	"
54	CHARLES EDMUND	27a1	197	4	"
55	ROGER LAPRE	(NO LOCATION AVAILABLE)	303	2	"
56	GERALD ROBERTS	27a1	190	2½	ROCK
57	JOHN Blanchard (Re: Mr. Powers)	27a1	141	30	ROCK
58	ALBERT PIERRO	27a5	160	4	"
59	ROBERT MOREL	27a1	204	12	"
60	WM. BLANCHARD	27a1	126	½	"
61	Roger Lapre	27a1	250	1 3/4	ROCK
62	John Bennett	27a8	63	5	gravel
63	ALFRED ARLLONA	27a7	75	5	ROCK
64	FUNZIO GIOVANNIELLO	27a8	297	6	ROCK

WR. # 71

Wells Drilled in the town of : WALLINGFORD 3/04/99

Includes Well Completion Reports For Map Cell: 27A1

Rept #	Owner (if known) Or purchaser	Map Cell	Yield GPM	Total Depth (feet)	Depth Rock (feet)	Casing length (feet)	Static Water level	Date Drilled	Driller ID
1	BAGLEY , REV. JAMES	27A1	1.00	323.00	~~0.00~~ 28	33.00	14.00	12/21/66	51
2	KELLEY , ALBERT	27A1	4.00	83.00	~~0.00~~ 45	57.00	14.00	1/04/67	51
3	KELLY , ALBERT	27A1	2.00	172.00	~~0.00~~ 67	75.00	20.00	1/11/67	51
6	SUMMERS , CHARLOTTE	27A1	1.00	250.00	~~0.00~~ 45	46.00	17.00	10/10/67	51
14	KEYS , WILLIAM	27A1	12.00	71.00	~~0.00~~ 5	12.00	3.00	11/07/69	26
18	STEVENS , LAWRENCE	27A1	10.00	130.00	~~0.00~~ 8	20.00	11.00	6/06/70	6
19	BAKER, JR. , FREDERICK	27A1	6.00	115.00	~~0.00~~ 8	20.00	9.00	6/05/70	6
21	FARRAR , STANELY	27A1	5.00	150.00	~~0.00~~ 11	23.00	15.00	11/04/70	26
22	CROSSMAN , WASHINGTON	27A1	10.00	122.00	~~0.00~~ 7	20.00	9.00	10/05/70	6
23	FELLENZER , ARCHIE	27A1	8.00	123.00	~~0.00~~ 28	96.00	11.00	10/05/70	6
25	FISH , SHERWIN	27A1	20.00	122.00	~~0.00~~ 122+	122.00	23.00	6/28/71	26
36	WALLINGFORD FIRE DISTRICT	27A1	50.00	73.00	0.00 73+	73.00	30.00	7/24/72	41
37	JOHNSON , ROBERT	27A1	3.00	142.00	~~0.00~~ 32	35.00	19.00	8/09/72	41
45	WAGGAMON & COLLYER ,	27A1	30.00	178.00	~~0.00~~ 55	59.00	12.00	1/05/73	58
46	CONTINENTAL TELEPHONE ,	27A1	20.00	143.00	~~0.00~~ 33	59.00	0.00	6/21/73	51
50	LAPRE , ROGER	27A1	0.00	250.00	~~0.00~~ C	20.00	15.00	11/13/73	41
51	LAPRE , ROGER	27A1	1.00	175.00	~~0.00~~ C-70	20.00	6.00	11/20/73	41
53	THURLOW , FRED	27A1	10.00	297.00	~~0.00~~ 7	20.00	20.00	10/25/73	6
54	EDMUNDS , CHARLES	27A1	4.00	197.00	~~0.00~~ 29	41.00	0.00	12/10/73	6
56	ROBERTS , GERALD	27A1	2.00	190.00	~~0.00~~ 4	20.00	6.00	3/14/74	41
59	MOREL , ROBERT	27A1	12.00	204.00	~~0.00~~ 2	20.00	10.00	4/22/74	41
60	BLANCHARD , WILLIAM	27A1	0.00	126.00	~~0.00~~ 65	70.00	60.00	5/21/74	41
61	LAPRE , ROGER	27A1	1.00	250.00	~~0.00~~ 4	15.00	20.00	7/25/74	41
69	MORITZ , WILLIAM	27A1	5.00	85.00	~~0.00~~ 56	65.00	10.00	11/06/74	16
71	ROCKWELL , MILO	27A1	4.00	145.00	~~0.00~~ 25	46.00	0.00	7/31/75	51
73	DUPREE , GEORGE	27A1	3.00	205.00	~~0.00~~ 67	81.00	0.00	9/30/75	51
74	SAVERY , MRS. B.	27A1	10.00	136.00	~~0.00~~ 28	31.00	26.00	8/26/75	122
75	COATE , WILLIAM	27A1	6.00	131.00	~~0.00~~ 29	33.00	10.00	8/16/75	122
76	LAPRE , ROGER	27A1	30.00	197.00	~~0.00~~ 10	15.00	24.00	10/23/75	41
78	RUMRILL ,	27A1	25.00	95.00	0.00 95+	90.00	20.00	/ /	16
79	LEWIS , GORDON	27A1	1.00	205.00	~~0.00~~ 15	29.00	5.00	8/09/76	51
88	LIDSTONE , ERNEST	27A1	0.00	297.00	~~0.00~~ 4	21.00	6.00	7/09/77	6
97	RYAN , THOMAS	27A1	4.00	106.00	0.00 106+	107.00	30.00	7/20/78	6
+ 117	CANNEY , JOHN	27A1	20.00	185.00	~~0.00~~ 52	63.00	7.00	6/17/81	58
118	DAVENPORT , ROBERT	27A1	15.00	245.00	~~0.00~~ 8	20.00	0.00	6/12/81	58

Wells Drilled in the town of : WALLINGFORD 6/11/99

Includes Well Completion Reports For Map Cell: 27A1

Rept #	Owner (if known) Or purchaser	Map Cell	Yield GPM	Total Depth (feet)	Depth Rock (feet)	Casing length (feet)	Static Water level	Date Drilled	Driller ID
117	CANNEY , JOHN	27A1	20.00	185.00	~~0.00~~ 26	63.00	7.00	6/17/81	58
118	DAVENPORT , ROBERT	27A1	15.00	245.00	0.00	20.00	0.00	6/12/81	58
126	ALDERMAN , PHIL	27A1	30.00	405.00	0.00	100.00	20.00	4/12/83	33
129	SHAW , FRANCES	27A1	15.00	265.00	0.00	40.00	15.00	10/14/82	176
133	DUPREY , RICHARD	27A1	5.00	305.00	0.00	20.00	4.00	7/13/83	176
140	HENNESSY , LYNN	27A1	9.00	245.00	0.00	125.00	25.00	6/11/83	176
141	BAKER , ALLEN	27A1	0.00	272.00	0.00	125.00	60.00	4/23/84	6
142	FISH , SHERWIN	27A1	12.00	110.00	0.00	110.00	0.00	11/24/83	26
150	Reed , James	27A1	20.00	440.00	0.00	60.00	0.00	11/01/84	23
151	Mrs Relo ,	27A1	5.00	345.00	0.00	95.00	63.00	12/04/84	176
154	Plainfield Ski Club ,	27A1	8.00	400.00	0.00	22.00	16.00	12/17/84	51
161	Downie , Ernest	27A1	8.00	225.00	0.00	22.00	20.00	7/19/85	176
168	Miller , Larry	27A1	20.00	285.00	0.00	170.00	15.00	8/16/85	176
173	Treat , David/Sarah	27A1	20.00	165.00	0.00	130.00	18.00	7/29/85	176
174	Treat , David/Sarah	27A1	20.00	125.00	0.00	100.00	30.00	6/24/85	176
175	Boucher , Ron	27A1	15.00	105.00	0.00	82.00	26.00	1/10/86	176
182	Edmunds , Chris	27A1	2.00	272.00	0.00	61.00	15.00	8/18/86	213
193	Fredette , Gary	27A1	50.00	200.00	0.00	50.00	18.00	11/26/86	176
203	Moyer , Chip	27A1	8.00	305.00	0.00	32.00	8.00	7/24/87	176
206	Johnson , Bob	27A1	2.00	385.00	0.00	32.00	50.00	7/11/87	176
212	Morton , Bert	27A1	12.00	310.00	0.00	60.00	0.00	10/08/87	213
213	Murphy , Mike	27A1	7.00	265.00	0.00	126.00	30.00	4/17/87	176
219	Gottlieb Jr , Charles	27A1	1.00	665.00	0.00	80.00	40.00	8/01/88	176
234	Gleason , Bill	27A1	10.00	270.00	0.00	230.00	40.00	8/31/89	176
235	Terry , Pamela	27A1	15.00	165.00	0.00	122.00	19.00	9/01/89	176
239	Slade , Bill	27A1	5.00	285.00	0.00	40.00	40.00	10/28/89	176
240	Ethler , Dick	27A1	8.00	265.00	0.00	20.00	4.00	11/01/89	176
244	Bullock , Harriet	27A1	30.00	210.00	0.00	200.00	0.00	1/03/90	176
246	Plumer , Andy	27A1	10.00	265.00	0.00	31.00	0.00	6/02/90	176
250	Brown , Dan	27A1	12.00	265.00	0.00	195.00	0.00	4/02/90	176
251	Shaw , Ron	27A1	20.00	205.00	0.00	46.00	0.00	4/30/90	176
252	Brown , Mike	27A1	8.00	70.00	0.00	56.00	30.00	2/28/91	176
257	Kaye , Ton	27A1	3.00	297.00	0.00	39.00	20.00	6/27/91	213
265	Brown , Mike	27A1	10.00	265.00	0.00	92.00	20.00	6/28/91	176
266	Brown , Mike	27A1	12.00	205.00	0.00	130.00	50.00	7/01/91	176

Wells Drilled in the town of : WALLINGFORD 3/04/99

Includes Well Completion Reports For Map Cell: 27A1

Rept #	Owner (if known) Or purchaser	Map Cell	Yield GPM	Total Depth (feet)	Depth Rock (feet)	Casing length (feet)	Static Water level	Date Drilled	Driller ID
126	ALDERMAN , PHIL	27A1	30.00	405.00	~~0.00~~ 80	100.00	20.00	4/12/83	33
129	SHAW , FRANCES	27A1	15.00	265.00	~~0.00~~ 40	40.00	15.00	10/14/82	176
133	DUPREY , RICHARD	27A1	5.00	305.00	~~0.00~~ 19	20.00	4.00	7/13/83	176
140	HENNESSY , LYNN	27A1	9.00	245.00	~~0.00~~ 80	125.00	25.00	6/11/83	176
141	BAKER , ALLEN	27A1	0.00	272.00	~~0.00~~ 40	125.00	60.00	4/23/84	6
142	FISH , SHERWIN	27A1	12.00	110.00	~~0.00~~ 100+	110.00	0.00	11/24/83	26
150	Reed , James	27A1	20.00	440.00	~~0.00~~ 58	60.00	0.00	11/01/84	23
151	Mrs Relo ,	27A1	5.00	345.00	~~0.00~~ 93	95.00	63.00	12/04/84	176
154	Plainfield Ski Club ,	27A1	8.00	400.00	~~0.00~~ 11	22.00	16.00	12/17/84	51
161	Downie , Ernest	27A1	8.00	225.00	~~0.00~~ 22	22.00	20.00	7/19/85	176
168	Miller , Larry	27A1	20.00	285.00	~~0.00~~ 170	170.00	15.00	8/16/85	176
173	Treat , David/Sarah	27A1	20.00	165.00	~~0.00~~ 130	130.00	18.00	7/29/85	176
174	Treat , David/Sarah	27A1	20.00	125.00	~~0.00~~ 70	100.00	30.00	6/24/85	176
175	Boucher , Ron	27A1	15.00	105.00	~~0.00~~ 105+	82.00	26.00	1/10/86	176
182	Edmunds , Chris	27A1	2.00	272.00	~~0.00~~ 40	61.00	15.00	8/18/86	213
193	Fredette , Gary	27A1	50.00	200.00	~~0.00~~ 40	50.00	18.00	11/26/86	176
203	Moyer , Chip	27A1	8.00	305.00	~~0.00~~ 22	32.00	8.00	7/24/87	176
206	Johnson , Bob	27A1	2.00	385.00	~~0.00~~ 27	32.00	50.00	7/11/87	176
212	Morton , Bert	27A1	12.00	310.00	~~0.00~~ 35	60.00	0.00	10/08/87	213
213	Murphy , Mike	27A1	7.00	265.00	~~0.00~~ 115	126.00	30.00	4/17/87	176
219	Gottlieb Jr , Charles	27A1	1.00	665.00	~~0.00~~ 70	80.00	40.00	8/01/88	176
234	Gleason , Bill	27A1	10.00	270.00	~~0.00~~ 215	230.00	40.00	8/31/89	176
235	Terry , Pamela	27A1	15.00	165.00	~~0.00~~ 110	122.00	19.00	9/01/89	176
239	Slade , Bill	27A1	5.00	285.00	~~0.00~~ 30	40.00	40.00	10/28/89	176
240	Ethler , Dick	27A1	8.00	265.00	~~0.00~~ 10	20.00	4.00	11/01/89	176
244	Bullock , Harriet	27A1	30.00	210.00	~~0.00~~ 190	200.00	0.00	1/03/90	176
246	Plumer , Andy	27A1	10.00	265.00	~~0.00~~ 6	31.00	0.00	6/02/90	176
250	Brown , Dan	27A1	12.00	265.00	~~0.00~~ 178	195.00	0.00	4/02/90	176
251	Shaw , Ron	27A1	20.00	205.00	~~0.00~~ 33	46.00	0.00	4/30/90	176
252	Brown , Mike	27A1	8.00	70.00	~~0.00~~ 70+	56.00	30.00	2/28/91	176
257	Kaye , Ton	27A1	3.00	297.00	~~0.00~~ 16	39.00	20.00	6/27/91	213
265	Brown , Mike	27A1	10.00	265.00	~~0.00~~ 80	92.00	20.00	6/28/91	176
266	Brown , Mike	27A1	12.00	205.00	~~0.00~~ 110	130.00	50.00	7/01/91	176
273	Slade , Bill	27A1	5.00	285.00	~~0.00~~ 29	40.00	20.00	10/28/89	176
278	Gleason , Bill	27A1	10.00	270.00	~~0.00~~ 215	230.00	40.00	8/31/89	176

Wells Drilled in the town of : WALLINGFORD 3/04/99

Includes Well Completion Reports For Map Cell: 27A1

Rept #	Owner (if known) Or purchaser	Map Cell	Yield GPM	Total Depth (feet)	Depth Rock (feet)	Casing length (feet)	Static Water level	Date Drilled	Driller ID
288	Sloan , Caroline	27A1	1.00	505.00	~~0.00~~ 15	28.00	30.00	11/02/92	176
296	Korchak , Richard	27A1	0.00	485.00	~~0.00~~ 4	20.00	50.00	9/25/93	176
302	Edmunds , James	27A1	1.00	410.00	~~0.00~~ 15	30.00	35.00	7/31/94	176
303	Beebe , Alan	27A1	20.00	145.00	~~0.00~~ 50	65.00	10.00	7/31/94	176
304	Davis , Roy	27A1	30.00	150.00	~~0.00~~ 100	140.00	12.00	9/12/94	176
312	Wallingford Fire District #1 ,	27A1	100.00	800.00	~~0.00~~ 85	106.00	10.00	11/21/94	51
314	MCLAUGHLIN , ANNA	27A1	6.00	170.00	~~0.00~~ 120	130.00	0.00	6/23/81	16
317	NIEDYWIECKI , CRAIG	27A1	1.00	605.00	~~0.00~~ 38	50.00	100.00	6/29/95	176
322	EDDY, JR. , BERNARD J.	27A1	20.00	122.00	~~0.00~~ 14	28.00	20.00	6/20/95	213
323	THURLOW , FRED & LOIS H.	27A1	1.00	322.00	~~0.00~~ 8	21.00	12.00	6/21/95	213
329	DAVENPORT , JEFF	27A1	4.00	405.00	~~0.00~~ 8	22.00	10.00	10/14/95	176
331	WALLINGFORD FIRE DISTRICT	27A1	150.00	55.00	~~0.00~~ 55+	45.00	5.00	12/19/95	0
335	Burnham , Frank	27A1	40.00	245.00	~~0.00~~ 33	37.00	27.00	11/07/95	93
2,082	FREDRICKS , IRA	27A1	2.00	265.00	~~0.00~~ 35	50.00	9.00	7/19/96	176
2,083	SHAW , RON	27A1	4.00	425.00	~~0.00~~ 28	40.00	10.00	7/23/96	176
2,084	BRUCE , TERRY	27A1	7.00	325.00	~~0.00~~ 32	54.00	210.00	12/19/96	176
2,861	A.T. CAMPNEY ,	27A1	100.00	140.00	~~0.00~~ 25	80.00	20.00	10/18/96	23
6,992	ROMUNTO , BOB	27A1	5.00	450.00	~~0.00~~ 65	100.00	0.00	8/05/98	227

Wells Drilled in the town of : WALLINGFORD 6/11/99

Includes Well Completion Reports For Map Cell: 27A1

Rept #	Owner (if known) Or purchaser	Map Cell	Yield GPM	Total Depth (feet)	Depth Rock (feet)	Casing length (feet)	Static Water level	Date Drilled	Driller ID
✓1	BAGLEY , REV. JAMES	27A1	1.00	323.00	0.00	33.00	14.00	12/21/66	51
✓2	KELLEY , ALBERT	27A1	4.00	83.00	0.00	57.00	14.00	1/04/67	51
✓3	KELLY , ALBERT	27A1	2.00	172.00	0.00	75.00	20.00	1/11/67	51
✓6	SUMMERS , CHARLOTTE	27A1	1.00	250.00	0.00	46.00	17.00	10/10/67	51
✓14	KEYS , WILLIAM	27A1	12.00	71.00	0.00	12.00	3.00	11/07/69	26
✗18	STEVENS , LAWRENCE	27A1	10.00	130.00	0.00	20.00	11.00	6/06/70	6
✗19	BAKER, JR. , FREDERICK	27A1	6.00	115.00	0.00	20.00	9.00	6/05/70	6
✗21	FARRAR , STANELY	27A1	5.00	150.00	0.00	23.00	15.00	11/04/70	26
✗22	CROSSMAN , WASHINGTON	27A1	10.00	122.00	0.00	20.00	9.00	10/05/70	6
✗23	FELLENZER , ARCHIE	27A1	8.00	123.00	0.00	96.00	11.00	10/05/70	6
25	FISH , SHERWIN	27A1	20.00	122.00	0.00	122.00	23.00	6/28/71	26
36	WALLINGFORD FIRE DISTRICT	27A1	50.00	73.00	0.00	73.00	30.00	7/24/72	41
37	JOHNSON , ROBERT	27A1	3.00	142.00	0.00	35.00	19.00	8/09/72	41
44	BOGERT , EUGENE	27A1	6.00	172.00	0.00	33.00	8.00	11/01/72	6
45	WAGGAMON & COLLYER ,	27A1	30.00	178.00	0.00	59.00	12.00	1/05/73	58
46	CONTINENTAL TELEPHONE ,	27A1	20.00	143.00	0.00	59.00	0.00	6/21/73	51
50	LAPRE , ROGER	27A1	0.00	250.00	0.00	20.00	15.00	11/13/73	41
51	LAPRE , ROGER	27A1	1.00	175.00	0.00	20.00	6.00	11/20/73	41
53	THURLOW , FRED	27A1	10.00	297.00	0.00	20.00	20.00	10/25/73	6
54	EDMUNDS , CHARLES	27A1	4.00	197.00	0.00	41.00	0.00	12/10/73	6
56	ROBERTS , GERALD	27A1	2.00	190.00	0.00	20.00	6.00	3/14/74	41
57	BLANCHARD , JOHN	27A1	30.00	141.00	0.00	141.00	10.00	4/05/74	41
59	MOREL , ROBERT	27A1	12.00	204.00	0.00	20.00	10.00	4/22/74	41
60	BLANCHARD , WILLIAM	27A1	0.00	126.00	0.00	70.00	60.00	5/21/74	41
61	LAPRE , ROGER	27A1	1.00	250.00	0.00	15.00	20.00	7/25/74	41
69	MORITZ , WILLIAM	27A1	5.00	85.00	0.00	65.00	10.00	11/06/74	16
71	ROCKWELL , MILO	27A1	4.00	145.00	0.00	46.00	0.00	7/31/75	51
73	DUPREE , GEORGE	27A1	3.00	205.00	0.00	81.00	0.00	9/30/75	51
74	SAVERY , MRS. B.	27A1	10.00	136.00	0.00	31.00	26.00	8/26/75	122
75	COATE , WILLIAM	27A1	6.00	131.00	0.00	33.00	10.00	8/16/75	122
76	LAPRE , ROGER	27A1	30.00	197.00	0.00	15.00	24.00	10/23/75	41
78	RUMRILL ,	27A1	25.00	95.00	0.00	90.00	20.00	/ /	16
79	LEWIS , GORDON	27A1	1.00	205.00	0.00	29.00	5.00	8/09/76	51
88	LIDSTONE , ERNEST	27A1	0.00	297.00	0.00	21.00	6.00	7/09/77	6
97	RYAN , THOMAS	27A1	4.00	106.00	0.00	107.00	30.00	7/20/78	6

BASIC WELL DATA

Wallingford (Town) — 06 - 050 (Code Numbers)

Location measured from _____

Well No.	Owner	Location	Depth (Ft.)	Yield (G.P.M.)	Rock or Gravel
001	Rev. James Bagley	27a1 N-43°29'28" - W-72°58'34"	323	1	Rock
002	Albert Kelley	27a1 N-43°29'14" - W-72°58'27"	83	4	Rock
003	Albert Kelley	27a1 N-43°29'05" - W-72°58'30"	172	2	Rock
004	John Callahan	27C2 N-43°26'54" - W-72°52'32"	112	6	Rock
005	William Brooks	27C2 N-43°26'34" - W-72°58'17"	29	10	Rock
006	Charlotte Summers	27a1 N-43°29'35" - W-72°58'25"	250	1	Rock
007	John Ladenburg	17C8 N-43°25'58" - W-73°00'19"	129	10	Rock
008	Norbert Cole	27C2 N-43°27'00" - W-72°52'37"	146	2½	Rock
009	Harold Underwood	N-43°26'35" - W-72°58'03"	60	5+	Rock
010	Edward Rothhoff	27a2 N-43°26'34" - W-72°57'50"	96	4	Gravel
011	John H Chase	27a5 43 27 07 72 56 43	92	20	Rock
012	Howard Blomenthal	27a4 43 27 30 72 55 12	128	4	"
013	S.B. Rodgers	27a2 43 25 56 72 58 25	135	10	"
014	Wm. Keys	27a1 43 29 42 72 58 45	71	12	"
015	Valentine Rollins	27a2 43 26 28 72 57 45	75	50	"
016	Leo Farley	27a8 432710 72 52 41	86	3	Gravel
017	Lynn Edmunds	27a7 432732 72 52 54	132	30	"
018	Lawrence Stevens	27a1 432843 72 58 37	130	10	Rock
019	Frederick Baker Jr.	27a1 432836 72 58 35	115	6	"
020	Norman LaBlanc	87a7 432740 72 55 02	110	9	"
021	Stanley S. Farmer	27a1 432928 72 58 55	150	5½	"
022	Washington Crossman	27a1 432916 72 58 19	122	10	"
023	Arthur Fairbrother	27a1 432910 72 58 12	123	8	"
024	Herbert Abney	17C8 432701 73 00 12	180	1.5	"
025	Sherwin Fish	27a1 432822 72 58 23	122	20	Gravel
026	Senaca Thompson	27a8 432610 72 53 11	137	10	Rock
027	Walter Louden	27a4 432747 72 55 15	123	2½	"
028	Roy Chapman	27a4 432808 72 55 13	140	2	"
029	Mrs Robt Redfield	17C8 432558 73 00 20	250	5	"
030	Geo. Stone	27a4 432756 72 57 31	196	2	"
031	Mildred Kronfeld	27a8 432532 72 53 30	325	1½	"
032	E. Wallingford Baptist Church	27a8 432707 72 52 32	312	8	"

WR. # 71

BASIC WELL DATA

WALLINGFORD (Town) — 65-75 (Code Numbers)

Well No.	Owner	Location	Depth (Ft.)	Yield (G.P.M.)	Rock or Gravel
65	ALFRED PARKER	27a8	265	20	ROCK
66	LILLIAN MARTIN	27C1	50	30	GRAVEL
67	MARGARET REDFIELD	17C8	209	5½	ROCK
68	JEFFREY ALLEN	27a8	190	½	ROCK
69	WILLIAM MORITZ	27a1	85	5	ROCK
70	RAMOND SPARKS	27a8	86	10	GRAVEL
71	MILO ROCKWELL	27a1	145	4	ROCK
72	ARTHUR DAWSON	27a2	175	3	ROCK
73	GEORGE DUPREE	27a1	205	3	ROCK
74	MRS. B. SAVERY	27a1	136	10	ROCK
75	WILLIAM COATE	27a1	131	6	ROCK

GO TO NEXT FOLDER PLEASE

WR #71
1974

TOWN: WALLINGFORD

WELL NOS.: 76 - 100

BASIC WELL DATA

Well No.	Well Owner		Yield (gpm)	Total Depth (feet)	Depth To Bedrock (feet)	Static Water Level	Driller Other Info
76	ROGER LAPRE	27a1	30	197	10	24	41
77	MISS CECILE G. BETTI	27c2	14	140	62	1	48
78	RUMRILL	27a1	25	95	GRAVEL	20	16
79	GORDON LEWIS	27a1	1½	205	15	5	57
80	OLIKER		1½	250	35		23
81	Robert JAKES	27a2	1¼	265	190	25	51
82	Miss Helen FOX	27a7	5	285	80	40	58
83	Henry BURNHAM	27a2	6	225	117	20	58
84	Walter Scanton	27a8	40 per hr.	397	38	50	6
85	Robert Best	27a2	24	44	gravel	12	122
86	MR. & MRS. BARTON	27a4	15	176	GRAVEL	76	132
87	JOHN McCANN	27c2	5	123	55	7	132
88	ERNEST LIDSTONE	27a1	½	297	4	6	6
89	MARVIN BLANCHARD	27a4	10	170	64	50	6
Sketch 90	MALCOM HANBURY		3	125	15	flows	23
Sketch 91	E. P. GRUNWALD		2½	400	30		23
Sketch 92	GARY VAN GUILDER		20	110	105	30	58
" 93	RAYMOND PETROSSI		20	150	112	30	58
" 94	ELMER BRTHERS		5	71	44	FLOWS	12?
" 95	DICK WEART		20+	132	44	11	12?
Sketch 96	GARY COLE		6	105	63	20	12?
Sketch 97	MR. THOMAS RYAN	27a1	4	106	GRAVEL	30	6
" 98	VERNE HAWKINS	27a4	12	38	GRAVEL	18	6
Sketch 99	JOHN BUTTERWORTH		¼	400	27	20	51
Sketch 100	JEFF CROSS		6	225	91	15	26

WR #71
1974

TOWN: WALLINGFORD

WELL NOS.: 101-125

BASIC WELL DATA

Well No.	Well Owner	Yield (gpm)	Total Depth (feet)	Depth To Bedrock (feet)	Static Water Level	Driller No.
101	RONALD BOUCHER	30	225	115		33
102	DANA CAREY	3	348	50	12	58
103	ROBERT DUNNE	12	225	20	40	58
104	LAWRENCE KELLER	3	230	ROTTEN LEDGE	30	23
105	RUTH ROBERTS	9	193	17/17	23	93
106	BOB AHLEY	2	265	51/60	20	23
107	WILLARD O. STORK 27a7	9½	144	43/43		93
108	George Gumienny	75	225	78/88	10	58
109	Martin Denofer	20	225	15/20	20	58
110	Ron Boucher	20	180	120/140	40	33
111	Douglas Pldof 27a2	50	187	24/30		51
112	Sherwin Fish	6	97	97/97 G	15	26 G
113	Joe Wilder 27a2	5	107	7/10½	18	132
114	WILLARD STORK 27a8	9½	144	41/43	22	93
115	PHILLIP MURRAY 27a5	40	265	127/138	10	58
116	DR. WARREN HAGGERTY 27a4	10	265	44/56½		58
117	JOHN CANNEY 27a1	20	185	51½/61	7	58
118	Robert DAVENPORT 27a1	15	245	8/18	F½	58
119	DAVID PERRY 27a3	15	205	65/73½	13	58
120	MRS. GEORGE HOLDEN 27a5	30	138	9/138	35	41
121	ROGER WALESJEK 27a8	20	297	92/93	20	6
122	ROBERT WILDMAN 27a8	7	130	2/19	10	51
123	JIM KENNEY 27a8	3	80	5/10½	2	132
124	EARLE WADE 27a8	1¾	280	68/75	0	51
125	F. HOWARD BLOOD 27a8	4	310	55/63	0	51

BASIC WELL DATA

TOWN WALLINGFORD

WELLS 126 – 150

NUMBER WR	USGS	NAME OF WELL OWNER or Purchaser (P)	MAP LOC	YIELD GPM	TOTAL DEPTH FEET	DEPTH ROCK FEET	CASING LENGTH FEET	STATIC WATER LEVEL	YR DR	DRILL No.	RE
126		PHIL ALDERMAN	27a1	30	405	80	100	20	3	33	
127		Gerald Colvin	27a5	12	365	85	100	40	8 3	179	
128		LEO FARLEY	27c2	~~20~~ 27	87 297	D	D		8 3	6	
129		Frances Shaw (P)	27a1	15	265	40	40	15	8 2	176	
130		Nathan Gaotti	17c7	50	265	20	20	F-5	8 2	176	
131		Raymond Tanner	27a7	25	195	40	40	15	8 2	176	
132		Edward Kimball	27a3	7	245	143	152	13	8 3	176	
133		Richard Duprey	27a1	5	305	18	20	4	8 3	176	
134		Dan Talbot	27a8	30	205	67	69	25	8 3	176	
135		Jamie Edmund's	27a7	8	225	19	19	21	8 3	176	
136		Thomas Miner		2½	163	7	10	8	7 2	41	
137		Dean Clark		10	181	4	10	6	7 3	41	
138		Elenor Davenport		45	110	68	110	25	7 3	41	
139		Al Ridlon (P)	27a2	2½	500	25	28	20	8 3	176	
140		Lynn Hennessy	27a1	9	245	120	123	25	8 3	176	
141		Allen Baker	27a1	3/4	272	121	124	60	8 4	6	
142		Sherwin Fish	27a1	12	110	G	G		8 3	26	G
143		White Pigment Corp.	27a2	10	145	6	19		8 4	51	
144		F. Howard Blood	27a8	50	310	6	19	40	8 4	51	
145		John Picyk	27a8	6	220	15	29	0	8 4	51	
146		Tom Abramorich		1½	242	2	20/18	10	8 4	129	
147		R. Brayall		2	222	16	21/19	18	8 4	129	
148		Leo Samson		10	302	8	10/8	20	8 4	129	
149		John Kileen		1½	222	20	22/20	15	8 4	129	
150		James Reed (P)	27a1	20	440	50	60/58		8 4	23	

BASIC WELL DATA

TOWN Wallingford

WELLS 151 - 175

NUMBER WR	USGS	NAME OF WELL OWNER OR PURCHASER (P)	MAP LOC	YIELD GPM	TOTAL DEPTH FT.	DEPTH ROCK FT.	CASING LENGTH FT.*	STATIC WATER LEVEL	YR DR	DRILL #	REM
151		Relo	27a1	5	345	93	95/93	63	84	176	
152		Ron Boucher (P)	27a1	5	105	6	95/93	50	84	176	Gro
153		Harold Williams	27a8	5	305	73	75/73	30	84	176	
154		Plainfield Ski Club	27a1	8½	400	11	22/21	16	84	51	Sl
155		Bill Egner	27a5	30	150	50	80/78	50	84	176	
156		Jerry Brothers	27a8	15	225	42	42/40	20	84	176	
157		Jim Davenport	27a4	15	205	108	110/108	30	84	176	
158		Larry Deeier	17c8	6	705	21	21/19		84	176	
159		Kurt Houghton (P)	27a4	20	265	68	70/68	30	85	176	
160		Mark Skagle (P)	27a3	3	360	30	63/62	30	85	23	
161		Ernest Downie	27a1	8	225	22	22	20	85	176	
162		Richard Crawley	27a8	20	265	15	22	11	85	176	
163		Elmer Burke	17c7	2	425	22	22	3	85	176	
164		Harold Merk	27a2	3	95	72	95	27	85	93	
165		Gerald Reynolds	27a2	5	143	34	36	17	85	93	
166		Bob Johnson (P)	17c9	1½	425	180	180	20	85	176	
167		Roger Smith	27a8	2	525	18	20	30	85	176	
168		Larry Miller	27a1	20	285	170	170	15	85	176	
169		William Lafferty (P)	27a2	8	125	75	75	20	85	176	
170		Paul MacDermott (P)	27a5	15	165	136	136	25	85	176	
171		Denis Demers	27A3	30	52	10	21½		85	36	
172		" "	17c9	½	477	23	28		85	36	
173		David & Sarah Treat	27a1	20	165	130	130	18	85	176	
174		David & Sarah Treat	27a1	20	125		100		85	176	
175		Ron Boucher	27a1	15	105	6	182	26	86	176	G

*Casing Length a/b a = Total Length b = Length Below L.S.

BASIC WELL DATA

TOWN Wallingford

WELLS 176 - 200

NUMBER WR	USGS	NAME OF WELL OWNER OR PURCHASER (P)	MAP LOC	YIELD GPM	TOTAL DEPTH FT.	DEPTH ROCK FT.	CASING LENGTH FT.*	STATIC WATER LEVEL	YR DR	DRILL #	RE
176		David Lambert	27a2	9	50	43	43	15	85	176	
177		Phil Saparito	27a5	6	285	55	55	30	85	176	
178		Roger Smith	27a5	2	565	10	22	18	85	176	
179		Mike Gorman	27A8	1	300	3	20	20	86	51	
180		Harold Landgren B+F Construction (P)	27a2	12	222	18	75		86	213	S
181		Craig Lyons	27a8	7	100	5	10		86	164	
182		Chris Edmunds	27a1	2½	272	40	61	15	86	213	
183		Gene Ferent	27A6	9	285	85	100	40	86	176	
184		John + CAROL Butterworth	27A5	5	265	10	20	8	86	176	
185		Clarence Barlow	27A7	8	160	6	150		86	176	(
186		Henry Burnham	27A2	40	200	170	170	14	86	176	
187		Thomas Roberts	27A2	2	325	D	D	9	86	176	[
188		Ron Boucher (P)	27A2	3	265	30	30	15	86	176	
189		Bob Munson	27A5	5	225	10	20	15	86	176	
190		James Ingalls	27A5	2	665	30	33	2	86	176	
191		LANCE ODDEN		10	80	10	10	10	83	41	
36 192		VINCENT + Carol Berra		5	360	81	81	85	83	41	
193		Gary Fredette	27A1	50	200	40	50	18	86	176	
194		James Seward	27C2	2	325	50	60	12	86	176	
195		Kavanaugh Enterprises	27A8	1	220	45	60	5	87	51	
196		William Mancini	17C8	5	525	10	20	12	87	176	
197		Bob McMahon	17C8	30	201	5	15½	20	87	132	
198		Barry Lamson	17C8	8	120	4	20	12	87	93	
199		Lester Congdon	27A8	3.5	305	10	21	0	87	176	
200		Rob Filskov (P)	27A6	2.5	625	30	40	8	87	176	

*Casing Length a/b a = Total Length b = Length Below L.S.

BASIC WELL DATA

TOWN Wallingford

WELLS 201 - 225

NUMBER WR	NUMBER USGS	NAME OF WELL OWNER or Purchaser (P)	MAP LOC	YIELD GPM	TOTAL DEPTH FEET	DEPTH ROCK FEET	CASING LENGTH FEET	STATIC WATER LEVEL	YR DR	DRILL NO.	REMA
201		Warren Young Jr. (P)	27A8	5	605	10	20	10	87	176	
202		Bob Turgeon	27A4	5	765	6	20	9	87	176	
203		Chip Moyer	27A1	8	305	32	32	8	87	176	
204		Walter Kelly	27A2	5	405	70	100	6	87	176	
205		Albert Bersaw	27A2	50	185	90	100	8	87	176	
206		Bob Johnson (P)	27A1	2	385	27	32	50	87	176	
207		Al Weeden	17C8	1	805	15	20	20	87	176	
208		Ron Boucher	17C8	2	705	15	20	20	87	176	
209		Tim Raymond	17C8	4	725	27	32	0	87	176	
210		Tom Kaye	27A1	6	347	10	29		87	213	
211		Charles Edmunds	27A4	20	122	7	28		87	213	
212		Bert Morton Phil Baker	27A1	12	310	35	60		87	213	
213		Mike Murphy	27A1	7	265	115	126	30	87	176	
214		Tim Raymond	17C8	3	645	30	40	220	88	176	
215		Larry Jenks	27A8	2.5	705	10	20	40	88	176	
216		Pete Doane (P) Ron Gandleman	27A8	2	323	2	206	75-100	88	26	
217		Glenn Rossier	27a4	50	240	48	69	4	88	51	
218		Phil Smith	27A5	6	285	60	67	30	88	176	
219		Charles Gottlieb, Jr.	27A1	1.5	665	70	80	40	88	176	
220		Jack Reid	17C9	3	305	8	21	20	88	93	
221		Allen Bebee	27a5	6	380	112	121	50	89	196	
222		Phil Saparito	27a5	5	245	70	74	20	88	176	
223		Stephen & Liz Marder	27a8	1	820	17	61		89	213	SA
224		Lowell Seward	27a8	2	240	118	120	30	89	41	
225		Craig Lyons	27a8	8	370	D	D	10	89	51	S

1989

BASIC WELL DATA

TOWN Wallingford

WELLS 226-250

NUMBER WR	NUMBER USGS	NAME OF WELL OWNER or Purchaser (P)	MAP LOC	YIELD GPM	TOTAL DEPTH FEET	DEPTH ROCK FEET	CASING LENGTH FEET	STATIC WATER LEVEL	YR DR	DRILL NO.	RE
226		Mark Frederick	27a2	4	325	22	32	0	89	176	
227		Green Mt. Timber Frames (P)	27a7	3	365	9	20	24	89	176	
228		Kevin Brown	27a3	6	225	15	30	20	89	176	
229		Kurt Houghton	27a4	10	205	165	175	30	89	176	
230		Jim Cole	27a2	30	165	10	20	0	89	176	
231		Cindy Keener	27a7	2½	405	20	20	30	89	176	
232		Brad Frederick	27a2	10	200	130	140	10	89	176	
233		Cindy Keener	27a7	3	405	15	20	10	89	176	
234		Bill Gleason	27a1	10	270	215	230	40	89	176	
235		Ron Boucher (P) pamela Terry	27a1	15	165	110	122	14	89	176	
236		Terry Holden	27a5	2½	515	100	360	15	89	176	
237		Alan & Sue Thayer	27a5	12	165	105	118	20	89	176	
238		Kevin Brown	27a2	20	205	100	172	50	89	176	
239		Bill Slade	27a1	5	285	30	40	40	89	176	
240		Dick Ethler	27a1	8	265	10	20	4	89	176	
241		Beverly Farone	27a2	6	305	48	54	10	89	93	
242		Fredrick	27a3	25	165	118	120	15	89	93	
990 243		Scott Sargent	27a2	4	200	5	40	18	90	196	
244		Harriet Bullock	27a1	30	210	190	200		90	176	
245		Terry Jern	17c8	2	705	20	40		90	176	
246		Andy Plumer	27a1	10	265	6	31		90	176	
247		Emmy Burke	27a2	6	365	75	93		90	176	SA
248		Bob Wulfeng	17c8	15	585	4	20		90	176	
249		Mike Brown	27a4	15	185	30	130		90	176	
250		Dan Brown (P)	27a1	12	265	80	195		90	176	

12/

BASIC WELL DATA

TOWN Wallingford

WELLS 251-275

NUMBER	USGS	NAME OF WELL OWNER or Purchaser (P)	MAP LOC	YIELD GPM	TOTAL DEPTH FEET	DEPTH ROCK FEET	CASING LENGTH FEET	STATIC WATER LEVEL	YR DR	DRILL NO.	REMARKS
251		Ron Shaw	27a1	20	205	33	46		90	176	
252		Mike Brown	27a1	8	70	6	56	30	91	176	
253		Kevin Lynch	27a7	2½	365	8	20	9	90	176	
254		Rick Robie	27a7	8	225	3	20	35	90	176	
255		James DeRosia	27a2	15	180	70	108	40	91	23	
256		Michael Marvin	27c1	50	160	122	135		91	51	
257		Tom Kaye	27a1	3	297	16	39	20	91	213	
258		Harold Merck	27a7	3	375	60	75	30	91	176	
259		Walt Farrell	27a4	2	365	20	20	30	91	176	
260		Fred Pranger	27a5	2½	425	10	20	20	91	176	
261		Jay Young	27a7	5	305	8	20	20	91	176	
262		Phil Baker	27a4	8	205	120	133	120	91	176	
263		Bill Baker	27a7	10	225	10	25	20	91	176	
264		Barb Sylvester	27a2	10	385	6	21	20	91	93	
265		Mike Brown	27a1	10	265	80	92	20	91	176	
266		Mike Brown	27a1	12	205	110	130	50	91	176	
267		Randy Kowalski	27a4	2	525	15	35	50	92	176	
268		Charles Wade	27a7	4	300	5	22	40	91	129	
269		Don Allen		15	150	10	20		91	227	
270		Mike Brown	27A5	12	105	25	37	15	92	176	
271		Maurice Roy	27A8	5	405	80	103	2	92	176	
272		John Waite	27A7	1½	365	3	20	15	92	176	
273		Bill Slade	27A1	5	285	29	40	20	89	176	
274		Jim Cole	27A2	30	165	10	20	0	89	176	
275		Kevin Brown	27A2	6	225	15	30	20	89	176	

BASIC WELL DATA

TOWN Wallingford

WELLS 276-300

NUMBER WR	USGS	NAME OF WELL OWNER or Purchaser (P)	MAP LOC	YIELD GPM	TOTAL DEPTH FEET	DEPTH ROCK FEET	CASING LENGTH FEET	STATIC WATER LEVEL	YR DR	DRILL NO.	REMA
276		Brad Fredirick	27A2	10	200	130	140	30	89	176	
277		Mark Fredirick	27A2	4	325	20	32	0	89	176	
278		Bill Gleason	27A1	10	270	215	230	40	89	176	
279		Kurt Houghton	27A4	10	205	165	175	30	89	176	
280		Ron Boucher/Pamela terry	27A1	15	165	110	122	19	89	176	
281		Bill Brooks	27A2	3	185	10	20	40	92	176	
282		Mike Bird	27A2	15	180	18	31	50	92	176	
283		Jack Kluntz	27A2	10	165	65	80	120	92	176	
284		Dick Crowley	27A8	3	325	60	100	65	92	176	
285		Andrew Romano		20	350	304	304		92	227	
286		Mike Bird	27A2	15	285	50	153	40	92	176	
287		Lee Houghton	17C8	1½	765	2	20	1	92	176	
288		Caroline Sloan	27A1	1½	505	15	28	30	92	176	
289		Kelley Socha	27A2	15	185	20	35	10	93	176	
290		Bryce towsley	27A2	30	225	60	75	70	93	176	
291		Leonard Debeer	17C8	5	425	5	20	6	92	93	
292		Richard & Cyndie Holden (O) Gassetts Group (P)	27A7	12	172	20	41	12	93	213	
293		Hearth Side Dist.	27A8	3	280	75	75	30	92	129	
294		Kevin Brown	27A2	5	325	115	130	30	93	176	
295		Steve McCulough	27A5	3	305	8	20	19	93	176	
296		Richard Korchak	27A1		485	4	20	50	93	176	
297		William Blanchard	27A8	3/4	260	8	20' 3"	36	93	209	
298		John Shaw	27A5	1.5	625	3	20	30	94	176	
299		F.W. Perry	27A7	20	425	7	30	25	94	176	
300		Peter Roach	27A8	5	240	85	100		94	51	

BASIC WELL DATA

TOWN Wallingford

WELLS 301-325

NUMBER WR	NUMBER USGS	NAME OF WELL OWNER or Purchaser (P)	MAP LOC	YIELD GPM	TOTAL DEPTH FEET	DEPTH ROCK FEET	CASING LENGTH FEET	STATIC WATER LEVEL	YR DR	DRILL NO.	REMARKS
301		P.J.'s Country Store (O) Wright Constr. Co. Inc. (P)	27A8	100+	360	58	75		9/4	112	SN
302		James Edmunds	27A1	1½	410	15	30	35	9/4	176	
303		Alan Beebe	27A1	20	145	50	65	10	9/4	176	
304		Roy Davis	27A1	30	150	100	140	12	9/4	176	
305		Brian Deer	27A2	7	225	4	20		9/3	227	
306		Ron McNeil	27A8	1½	260	40	80	12	9/4	51	
307		Doug Wade	27A7	3	240	4	22	25	9/4	129	
308		FW Perry	27A7	2	625	2	20	35	9/4	176	
309		FW Perry	27A7	10	405	90	110	200	9/4	176	
310		FW Perry	27A7	1½	505	5	20	20	9/4	176	
311		Rick Tevis	27A2	8	225	18	33	4	9/4	176	
312		Wallingford Fire District #1 (O) Lincoln Applied Geology Inc. (P)	27A1	100	800	85	106	10	9/4	51	
313		Ruth Till	27A9	3	240	9	20	5'	9/5	51	RES
314		Anna McLaughlin	[illegible]	6	170	120	130	[illegible]	9/5	156	
315		Eric Davenport	27A4	10	170	100	150	75	9/5	176	
316		Kevin Brown	27A2	4	325	246	256	25	9/5	176	
317		Craig Niedzwiecki	27A1	1½	605	38	50	100'	9/5	176	
318		Jack Kluntz	27A2	5	165	35	93	100'	9/5	176	
319		Joe Kaschuluk	27C2	20	505	1	20	2'	9/5	176	
320		Gabrillia Holl	27A8	10	245	45	75	75'	9/5	176	
321		Hans Hussy	27A4	30	205	100	120	95'	9/5	176	
322		Bernard J Eddy Jr. & Sandra Eddy	27A1	20	122	14	28	20'	9/5	213	RES
323		Fred & Lois H. Thurlow	27A1	1	322	8	21	12'	9/5	213	RES
324		Kevin Brown	27A2	50	140	100	104		9/4	227	
325		Kevin Brown	27A2	40	275	180	200		9/5	227	

RES- Replaces Existing Supply

BASIC WELL DATA

TOWN Wallingford

WELLS 151 - 175

NUMBER WR	USGS	NAME OF WELL OWNER OR PURCHASER (P)	MAP LOC	YIELD GPM	TOTAL DEPTH FT.	DEPTH ROCK FT.	CASING LENGTH FT.*	STATIC WATER LEVEL	YR DR	DRILL #	REM
151		Relo	27a1	5	345	93	95/93	63	84	176	
152		Ron Boucher (P)	27a1	5	105	6	95/93	50	84	176	Gr
153		Harold Williams	27a8	5	305	73	75/73	30	84	176	
154		Plainfield Ski Club	27a1	8½	400	11	22/21	16	84	51	S
155		Bill Eqnie	27a5	30	150	56	80/78	56	84	176	
156		Seroy Brothers	27a8	15	225	42	42/40	20	84	176	
157		Jim Davenport	27a4	15	205	108	110/108	30	84	176	
158		Larry Deeice	17c8	6	705	21	21/19		84	176	
159		Kurt Houghton (P)	27a4	20	265	68	70/68	30	85	176	
160		Mark Skagle (P)	27a3	3	360	30	63/62	30	85	23	
161		Ernest Dennie	27a1	8	225	22	22	20	85	176	
162		Richard Crawley	27a8	20	265	15	22	11	85	176	
163		Elmer Burke	17c7	2	425	22	22	3	85	176	
164		Harold Merk	27a2	3	95	72	95	27	85	93	
165		Gerald Reynolds	27a2	5	143	34	36	17	85	93	
166		Bob Johnson (P)	17c9	1½	425	180	180	20	85	176	
167		Roger Smith	27a8	2	525	18	20	30	85	176	
168		Larry Miller	27a1	20	285	170	170	15	85	176	
169		William Lafferty (P)	27a2	8	125	75	75	20	85	176	
170		Paul MacDermott (P)	27a5	15	165	136	136	25	85	176	
171		Denis Demers	27a3	30	52	10	21½		85	36	
172		" "	17c9	½	477	23	28		85	36	
173		David & Sarah Treat	27a1	20	165	130	130	18	85	176	
174		David & Sarah Treat	27a1	20	125		100		85	176	
175		Ron Boucher	27a1	15	105	6	182	26	86	176	G

*Casing Length a/b a = Total Length b = Length Below L.S.

MAP SOURCE: VERMONT AGENCY OF TRANSPORTATION

Clarendon

Shrewsbury

Tinmouth

Mount Tabor

WALLINGFORD

WALLINGFORD MUNICIPAL FOREST

BEAR MTN. 2240

Elfin Lake

WALLINGFORD MUNICIPAL FOREST

GREEN HILL

HATEFUL HILL 1960

EAST WALLINGFORD INSET ⑤

W A L L I N G F O R D

GREEN MOUNTAIN

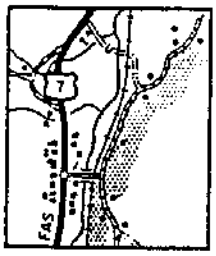
SOUTH WALLINGFORD INSET ②

WALLINGFORD POND

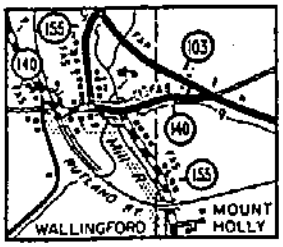
Little Rock Pond

Filfield Pond

WILDER MTN. 2784

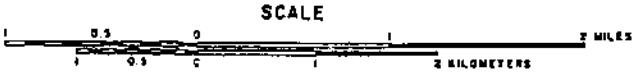


INSET ②
SOUTH WALLINGFORD



INSET ⑤
EAST WALLINGFORD

SCALE



BASIC WELL DATA

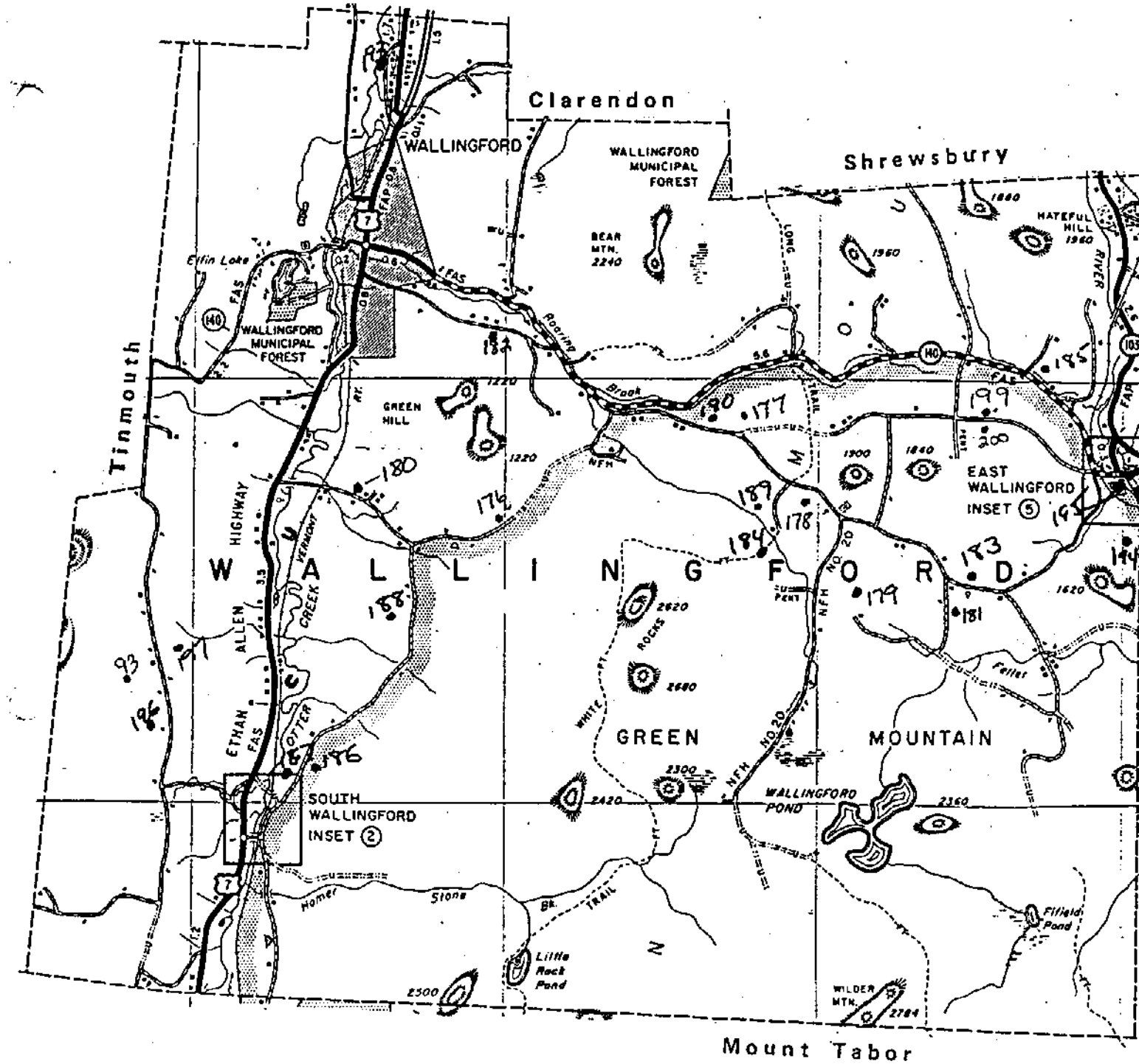
TOWN Wallingford

WELLS 176 - 200

NUMBER WR	USGS	NAME OF WELL OWNER OR PURCHASER (P)	MAP LOC	YIELD GPM	TOTAL DEPTH FT.	DEPTH ROCK FT.	CASING LENGTH FT.*	STATIC WATER LEVEL	YR DR	DRILL #	RE
176		David Lambert	27a2	9	50	43	43	15	85	176	
177		Phil Saparito	27a5	6	285	55	55	30	85	176	
178		Roger Smith	27a5	2	565	10	22	18	85	176	
179		Mike Gorman	27A8	1	300	3	20	20	86	51	
180		Harold Landgren B+F Construction (P)	27a2	12	222	18	75		86	213	S
181		Craig Lyons	27a8	7	100	5	10		86	164	
182		Chris Edmunds	27a1	2½	272	40	61	15	86	213	
183		Gene Ferent	27A8	9	285	85	100	40	86	176	
184		John & CAROL Butterworth	27A5	5	265	10	20	8	86	176	
185		Clarence Barlow	27A7	8	160	6	150		86	176	(
186		Henry Burnham	27A2	40	200	170	170	14	86	176	
187		Thomas Roberts	27A2	2	325	0	0	9	86	176	[
188		Ron Barber (P)	27A2	3	265	30	30	15	86	176	
189		Bob Munson	27A5	5	225	10	20	15	86	176	
190		James Ingalls	27A5	2	665	30	33	2	86	176	
191		LANCE ODDEN		10	80	10	10	10	83	41	
86 192		VINCENT & Carol Berra		5	360	81	81	85	83	41	
193		Gary Fredette Penbroke Lane	27A1	50	200	40	50	18	86	176	
194		James Seward	27c2	2	325	50	60	12	86	176	
195		Kavanaugh Enterprises	27A8	1	220	45	60	5	87	51	
196		William Mancini	17c8	5	525	10	20	12	87	176	
197		Bob McMahon	17c8	30	201	5	15½	20	87	132	
198		Barry Lamson	17c8	8	120	4	20	12	87	93	
199		Lester Congdon	27A8	3.5	305	10	21	0	87	176	
200		Rob Filskov (P)	27A8	2.5	625	30	40	8	87	176	

*Casing Length a/b a = Total Length b = Length Below L.S.

MAP SOURCE: VERMONT AGENCY OF TRANSPORTATION



INSET ② SOUTH WALLINGFORD

INSET ⑤ EAST WALLINGFORD

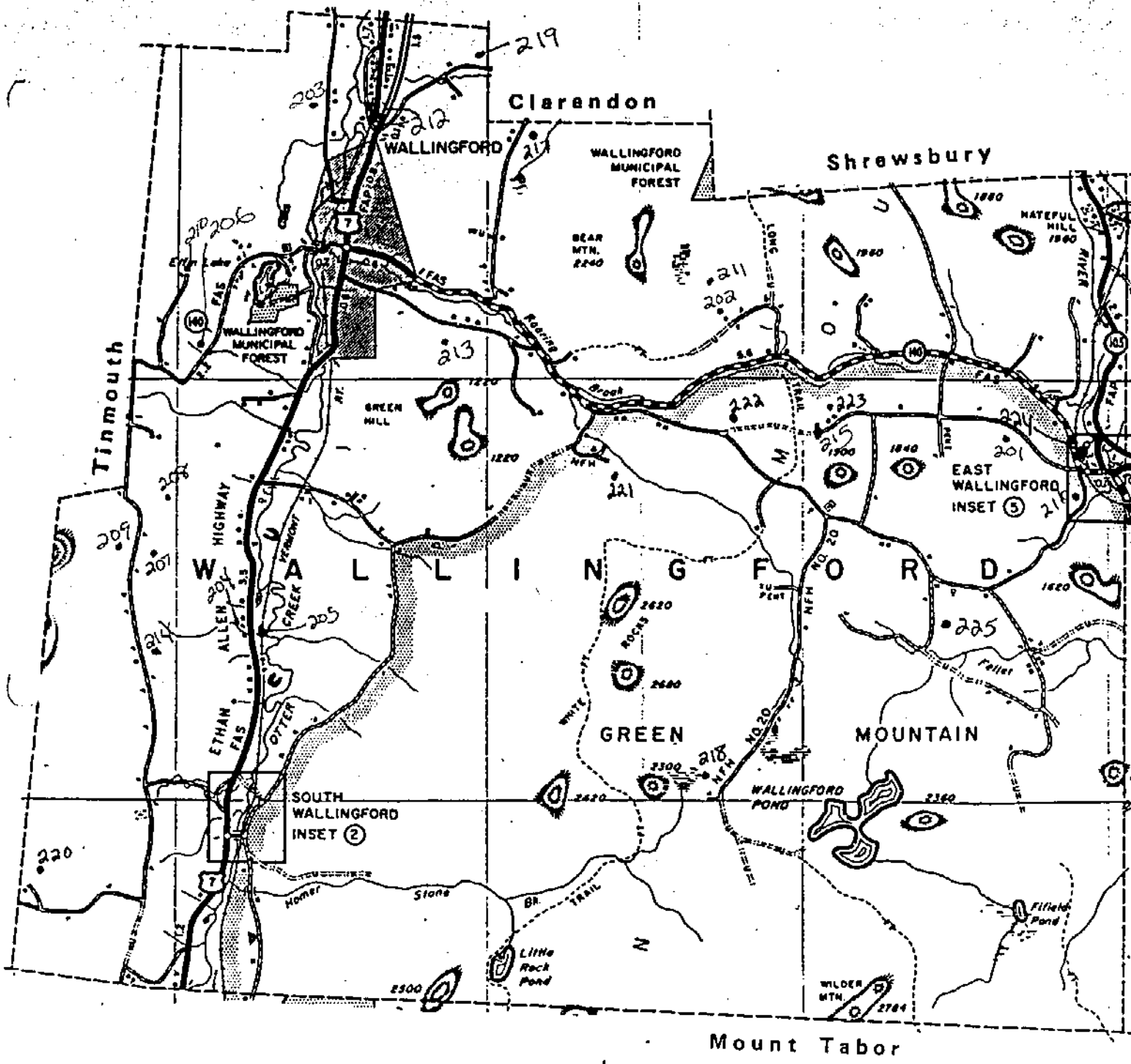
BASIC WELL DATA

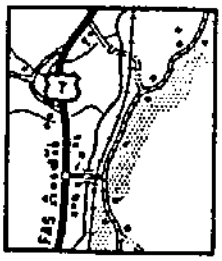
TOWN Wallingford

WELLS 201 - 225

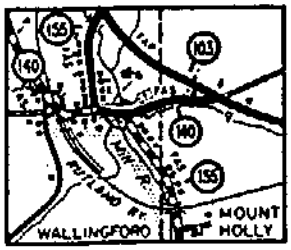
NUMBER WR	NUMBER USGS	NAME OF WELL OWNER or Purchaser (P)	MAP LOC	YIELD GPM	TOTAL DEPTH FEET	DEPTH ROCK FEET	CASING LENGTH FEET	STATIC WATER LEVEL	YR DR	DRILL NO.	REMARK
201		Warren Young Jr. (P)	27A8	5	605	10	20	10	87	176	
202		Bob Turgeon	27A4	5	765	6	20	9	87	176	
203		Chip Moyer	27A1	8	305	32	32	8	87	176	
204		Walter Kelly	27A2	5	405	70	100	6	87	176	
205		Albert Bersaw	27A2	50	185	90	100	8	87	176	
206		Bob Johnson (P)	27A1	2	385	27	32	50	87	176	
207		Al Weeden	17C8	1	805	15	20	20	87	176	
208		Ron Boucher	17C8	2	705	15	20	20	87	176	
209		Tim Raymond	17C8	4	725	27	32	0	87	176	
210		Tom Kaye	27A1	6	347	10	29		87	213	
211		Charles Edmunds	27A4	20	122	7	28		87	213	
212		Bert Morton East Wallingford Phil Baker Wallingford	27A1	12	310	35	60		87	213	
213		Mike Murphy	27A1	7	265	115	126	30	87	176	
214		Tim Raymond	17C8	3	645	30	40	220	88	176	
215		Larry Jenks	27A8	2.5	705	10	20	40	88	176	
216		Pete Doane (P) Ron Gandleman	27A8	2	323	2	206	75-100	88	26	
217		Glenn Rossier	27a4	50	240	48	69	4	88	51	
218		Phil Smith	27A5	6	285	60	67	30	88	176	
1988 219		Charles Gottlieb, Jr.	27A1	1.5	665	70	80	40	88	176	
220		Jack Reid	17C9	3	305	8	21	20	88	93	
221		Allen Bebee	27a5	6	380	112	121	50	89	196	
222		Phil Saparito	27a5	5	245	70	74	20	88	176	
223		Stephen & Liz Marder	27a8	1	820	17	61		89	213	SM
224		Lowell Seward	27a8	2	240	118	120	30	89	41	
1989 225		Craig Lyons	27a8	8	370	D	D	10	89	51	SI

MAP SOURCE: VERMONT AGENCY OF TRANSPORTATION





INSET ②
SOUTH WALLINGFORD



INSET ⑤
EAST WALLINGFORD

SCALE

SCALE

BASIC WELL DATA

TOWN Wallingford

WELLS 226-250

NUMBER WR	NUMBER USGS	NAME OF WELL OWNER or Purchaser (P)	MAP LOC	YIELD GPM	TOTAL DEPTH FEET	DEPTH ROCK FEET	CASING LENGTH FEET	STATIC WATER LEVEL	YR DR	DRILL No.	RE
226		mark Frederick	27a2	4	325	22	32	0	89	176	
227		Green Mt. Timber Frames(P)	27a7	3	365	9	20	24	89	176	
228		Kevin Brown	27a3	6	225	15	30	20	89	176	
229		Kurt Houghton	27a4	10	205	165	175	30	89	176	
230		Jim Cole	27a2	30	165	10	20	0	89	176	
231		Cindy Keener	27a7	2½	405	20	20	30	89	176	
232		Brad Frederick	27a2	10	200	130	140	10	89	176	
233		Cindy Keener	27a7	3	405	15	20	10	89	176	
234		Bill Gleason	27a1	10	270	215	230	40	89	176	
235		Ron Boucher (P) pamela Terry	27a1	15	165	110	122	14	89	176	
236		Terry Holden	27a5	2½	515	100	360	15	89	176	
237		Alan & Sue Thayer	27a5	12	165	105	118	20	89	176	
238		Kevin Brown	27a2	20	205	100	172	50	89	176	
239		Bill Slade	27a1	5	285	30	40	40	89	176	
240		Dick Ethler	27a1	8	265	10	20	4	89	176	
241		Beverly Farone	27a2	6	305	48	54	10	89	93	
242		Fredrick	27a3	25	165	118	120	15	89	93	
990 243		Scott Sargent	27a2	4	200	5	40	18	90	196	
244		Harriet Bullock	27a1	30	210	190	200		90	176	
245		Terry Jern	17c8	2	705	20	40		90	176	
246		Andy Plumer	27a1	10	265	6	31		90	176	
247		Emmy Burke	27a2	6	365	75	93		90	176	SA
248		Bob Wulfeng	17c8	15	585	4	20		90	176	
249		mike Brown	27a4	15	185	30	130		90	176	
250		Dan Brown (P)	27a1	12	265	80	195		90	176	

226-250

Clarendon

Shrewsbury

Tinmouth

Mount Tabor

WALLINGFORD

WALLINGFORD MUNICIPAL FOREST

BEAR MTN. 2240

HATEFUL HILL 1940

Elfin Lake

WALLINGFORD MUNICIPAL FOREST

GREEN HILL

EAST WALLINGFORD INSET ⑤

SOUTH WALLINGFORD INSET ②

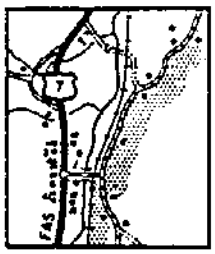
GREEN MOUNTAIN

WALLINGFORD POND

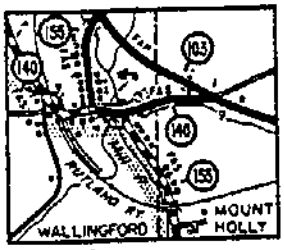
Little Rock Pond

Filfield Pond

WILDER MTN. 2784



INSET ②
SOUTH WALLINGFORD



INSET ⑤
EAST WALLINGFORD

SCALE

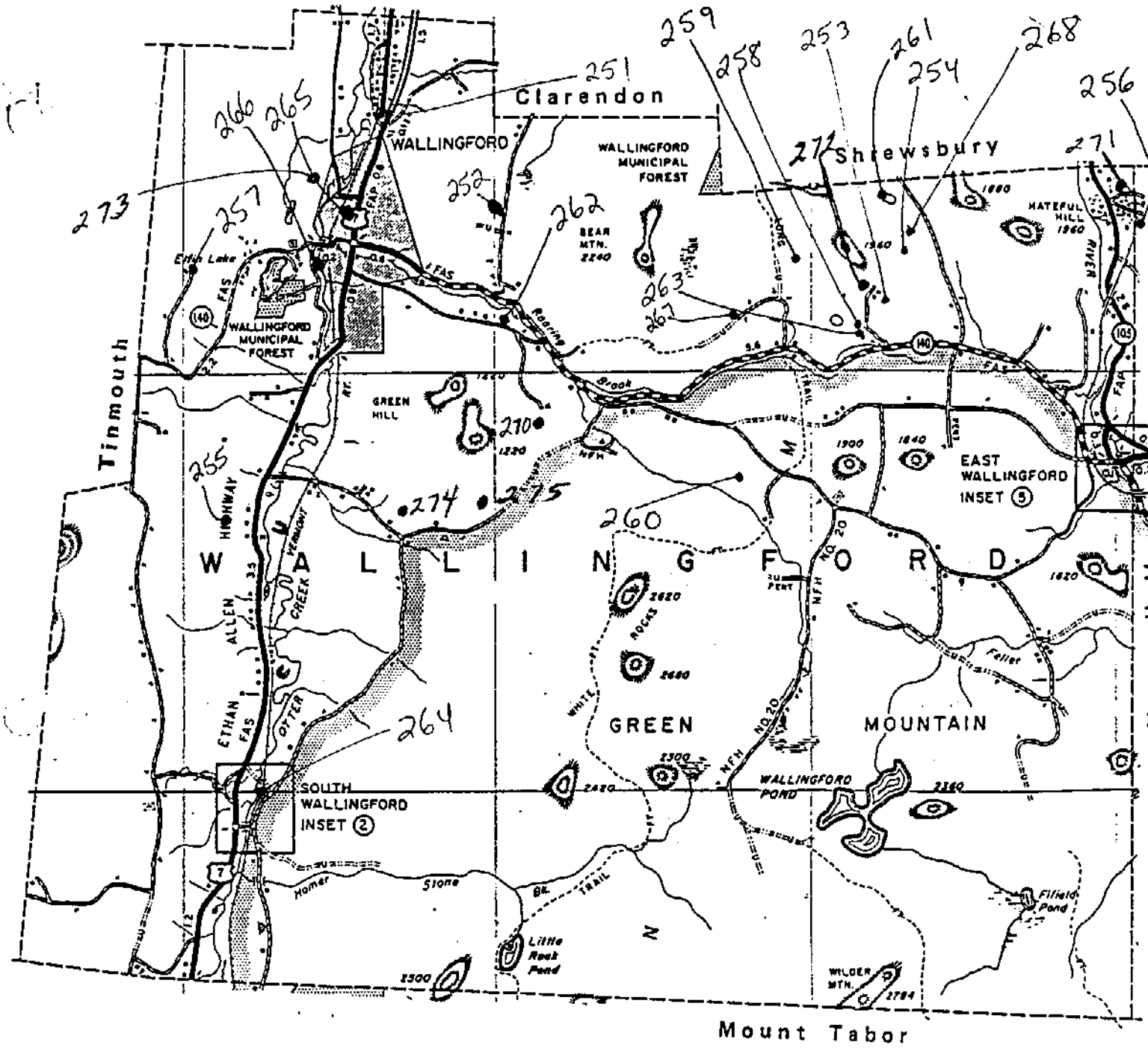
BASIC WELL DATA

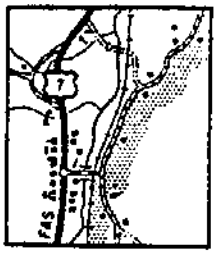
TOWN Wallingford

WELLS 251-275

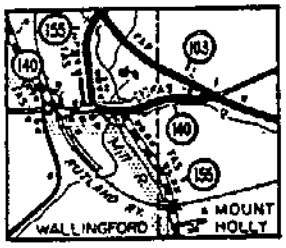
NUMBER	USGS	NAME OF WELL OWNER or Purchaser (P)	MAP LOC	YIELD GPM	TOTAL DEPTH FEET	DEPTH ROCK FEET	CASING LENGTH FEET	STATIC WATER LEVEL	YR DR	DRILL NO.	REMARKS
251		Ron Shaw	27a1	20	205	33	46		90	176	
252		Mike Brown	27a1	8	70	6	56	30	91	176	
253		Kevin Lynch	27a7	2½	365	8	20	9	90	176	
254		Rick Robie	27a7	8	225	3	20	35	90	176	
255		James DeRosia	27a2	15	180	70	108	40	91	23	
256		Michael Marvin	27c1	50	160	122	135		91	51	
257		Tom Kaye	27a1	3	297	16	39	20	91	213	
258		Harold Merck	27a7	3	375	60	75	30	91	176	
259		Walt Farrell	27a4	2	365	20	20	30	91	176	
260		Fred Pranger	27a5	2½	425	10	20	20	91	176	
261		Jay Young	27a7	5	305	8	20	20	91	176	
262		Phil Baker	27a4	8	205	120	133	120	91	176	
263		Bill Baker	27a7	10	225	10	25	20	91	176	
264		Barb Sylvester	27a2	10	385	6	21	20	91	93	
265		Mike Brown	27a1	10	265	80	92	20	91	176	
266		Mike Brown	27a1	12	205	110	130	50	91	176	
267		Randy Kowalski	27a4	2	525	15	35	50	92	176	
268		Charles Wade	27a7	4	300	5	22	40	91	129	
269		Don Allen		15	150	10	20		91	227	
270		Mike Brown	27A5	12	105	25	37	15	92	176	
271		Maurice Roy	27A8	5	405	80	103	2	92	176	
272		John Waite	27A7	1½	365	3	20	15	92	176	
273		Bill Slade	27A1	5	285	29	40	20	89	176	
274		Jim Cole	27A2	30	165	10	20	0	89	176	
275		Kevin Brown	27A2	6	225	15	30	20	89	176	

MAP SOURCE: VERMONT AGENCY OF TRANSPORTATION





INSET 2
SOUTH WALLINGFORD



INSET 5
EAST WALLINGFORD

SCALE

251-275

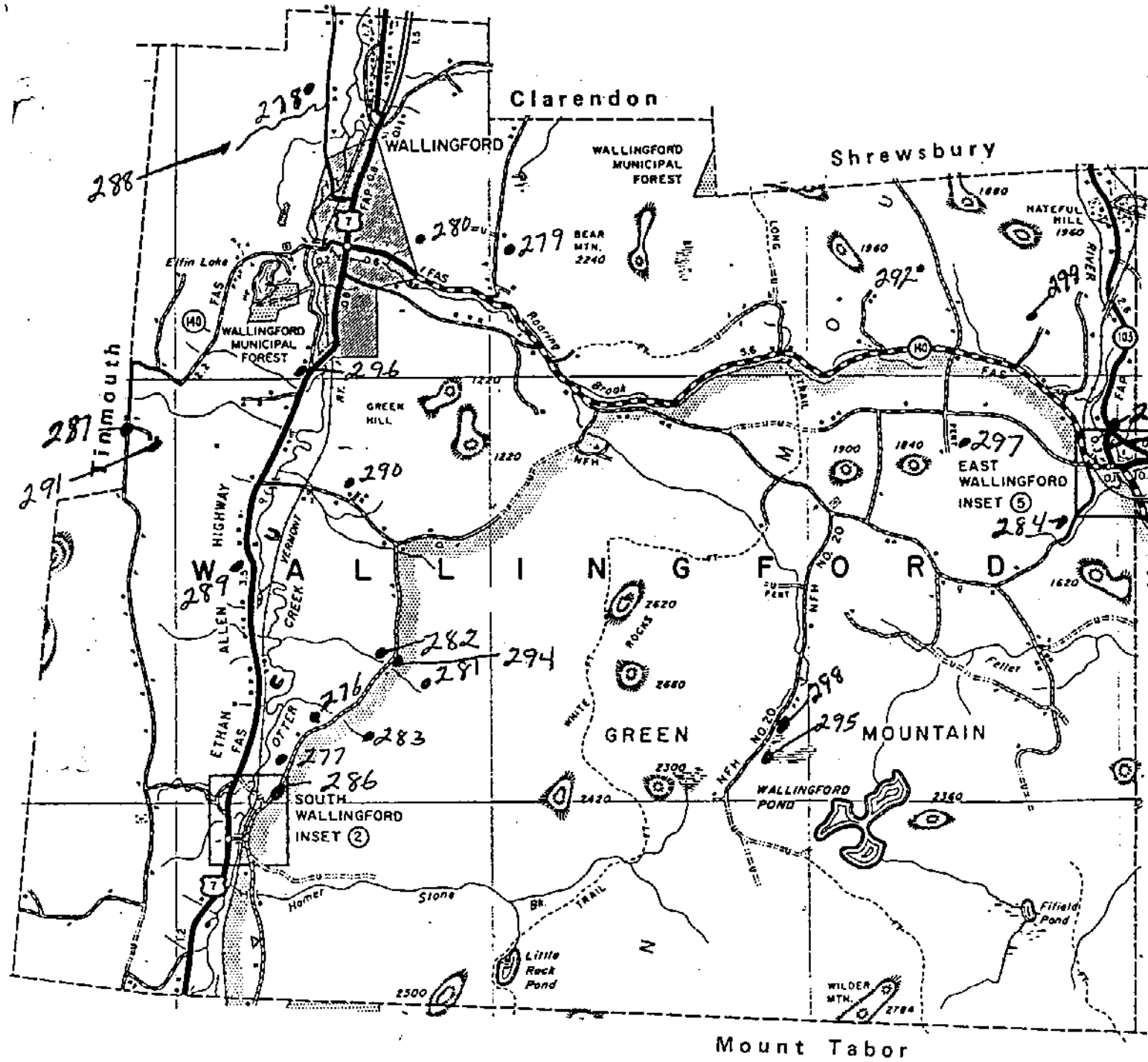
BASIC WELL DATA

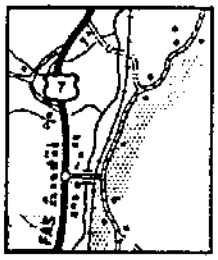
TOWN Wallingford

WELLS 276-300

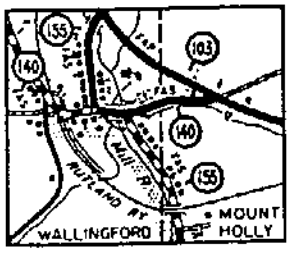
NUMBER WR	USGS	NAME OF WELL OWNER or Purchaser (P)	MAP LOC	YIELD GPM	TOTAL DEPTH FEET	DEPTH ROCK FEET	CASING LENGTH FEET	STATIC WATER LEVEL	YR DR	DRILL NO.	REM
276		Brad Fredirick	27A2	10	200	130	140	30	89	176	
277		Mark Fredirick	27A2	4	325	20	32	0	89	176	
278		Bill Gleason	27A1	10	270	215	230	40	89	176	
279		Kurt Houghton	27A4	10	205	165	175	30	89	176	
280		Ron Boucher/Pamela terry	27A1	15	165	110	122	19	89	176	
281		Bill Brooks	27A2	3	185	10	20	40	92	176	
282		Mike Bird	27A2	15	180	18	31	50	92	176	
283		Jack Kluntz	27A2	10	165	65	80	120	92	176	
284		Dick Crowley	27A8	3	325	60	100	65	92	176	
285		Andrew Romano		20	350	304	304		92	227	
286		Mike Bird	27A2	15	285	50	153	40	92	176	
287		Lee Houghton	17C8	1½	765	2	20	1	92	176	
288		Caroline Sloan	27A1	1½	505	15	28	30	92	176	
289		Kelley Socha	27A2	15	185	20	35	10	93	176	
290		Bryce towsley	27A2	30	225	60	75	70	93	176	
291		Leonard Debeer	17C8	5	425	5	20	6	92	93	
292		Richard & Cyndie Holden (O) Gassetts Group (P)	27A7	12	172	20	41	12	93	213	
293		Hearth Side Dist.	27A8	3	280	75	75	30	92	129	
294		Kevin Brown	27A2	5	325	115	130	30	93	176	
295		Steve McCulough	27A5	3	305	8	20	19	93	176	
296		Richard Korchak	27A1		485	4	20	50	93	176	
297		William Blanchard	27A8	3/4	260	8	20' 3"	36	93	209	
298		John Shaw	27A5	1.5	625	3	20	30	94	176	
299		F.W. Perry	27A7	20	425	7	30	25	94	176	
300		Peter Roach	27A8	5	240	85	100		94	51	

MAP SOURCE: VERMONT AGENCY OF TRANSPORTATION





INSET 2
SOUTH WALLINGFORD



INSET 5
EAST WALLINGFORD

SCALE

276-300

BASIC WELL DATA

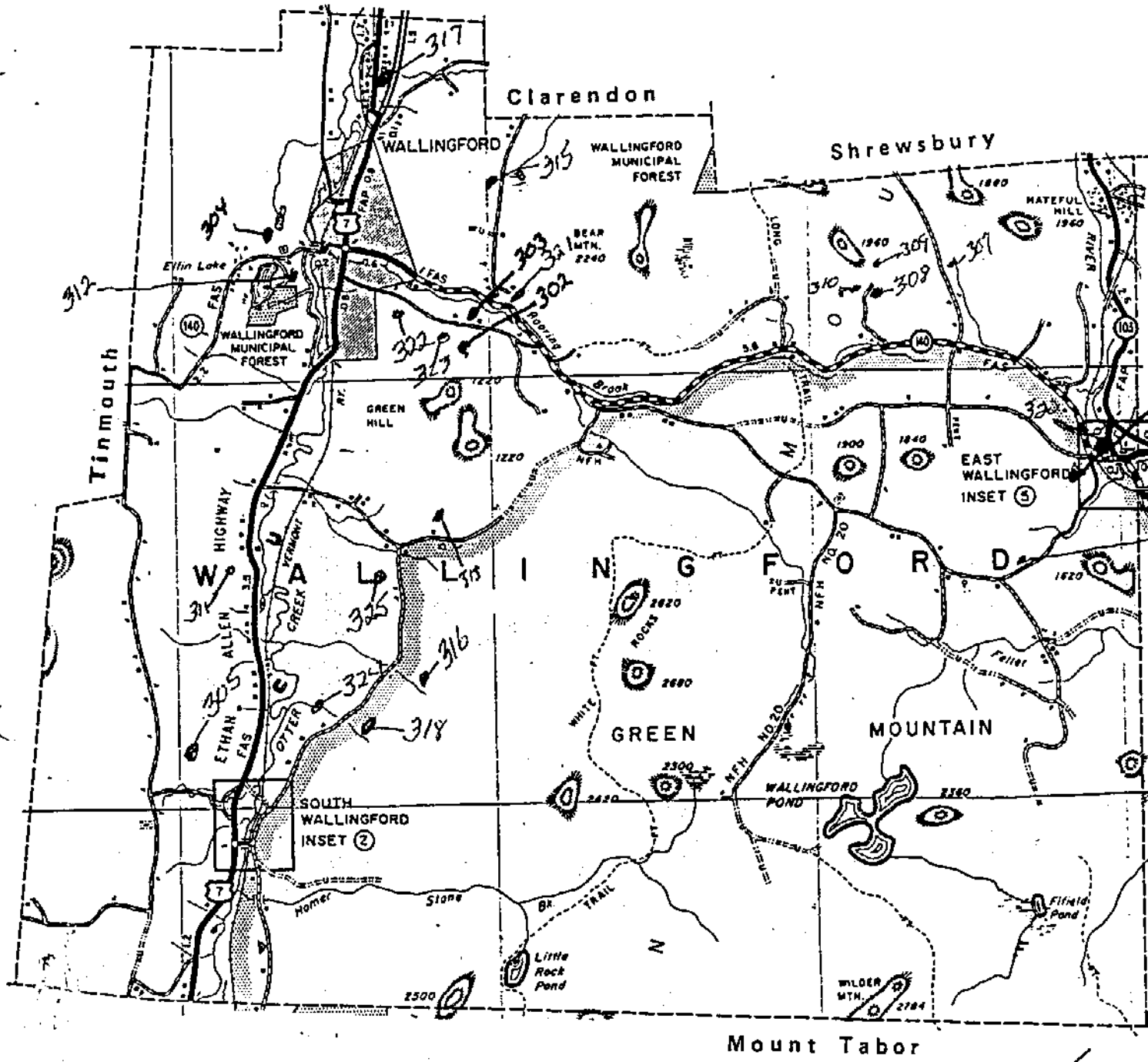
OWN Wallingford

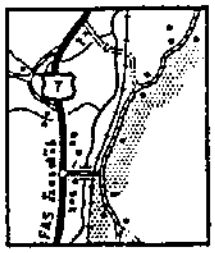
WELLS 301-325

NUMBER WR	NUMBER USGS	NAME OF WELL OWNER or Purchaser (P)	MAP LOC	YIELD GPM	TOTAL DEPTH FEET	DEPTH ROCK FEET	CASING LENGTH FEET	STATIC WATER LEVEL	YR DR	DRILL NO.	REMARKS
301		P.J.'s Country Store (O) Wright Constr. Co. Inc. (P)	27A8	100+	360	58	95		9/4	112	SN
302		James Edmunds	27A1	1½	410	15	30	35	9/3	176	
303		Alan Beebe	27A1	20	145	50	65	10	9/4	176	
304		Roy Davis	27A1	30	150	100	140	12	9/4	176	
305		Brian Deer	27A2	7	225	4	20		9/3	227	
306		Ron McNeil	27A8	1½	260	40	80	12	9/4	51	
307		Doug Wade	27A7	3	240	4	22	25	9/4	129	
308		FW Perry	27A7	2	685	2	20	35	9/4	176	
309		FW Perry	27A7	10	405	90	110	200	9/4	176	
310		FW Perry	27A7	1½	505	5	20	20	9/4	176	
311		Rick Tevis	27A2	8	225	18	33	4	9/4	176	
312		Wallingford Fire District #1 (O) Lincoln Applied Geology Inc. (P)	27A1	100	800	85	106	10	9/4	51	
313		Ruth Till	27A9	3	240	9	20	5'	9/5	51	RES
314		Anna McLaughlin	[illegible]	6	170	120	130	[illegible]	8/4	156	
315		Eric Davenport	27A4	10	170	100	150	75	9/5	176	
316		Kevin Brown	27A2	4	325	246	256	25	9/5	176	
317		Craig Niedzwiecki Wallingford	27A1	1½	605	38	50	100'	9/5	176	
318		Jack Kluntz	27A2	5	165	35	93	100'	9/5	176	
319		Joe Kaschuluk	27C2	20	505	1	20	2'	9/5	176	
320		Gabrillia Holl	27A8	10	245	45	75	75'	9/5	176	
321		Hans Hussy	27A4	30	205	100	120	95'	9/5	176	
322		Bernard J Eddy Jr. & Sandra Eddy	27A1	20	122	14	28	20'	9/5	213	RES
323		Fred & Lois H. Thurlow	27A1	1	322	8	21	12'	9/5	213	RES
324		Kevin Brown	27A2	50	140	100	104		9/4	227	
325		Kevin Brown	27A2	40	275	180	200		9/5	227	

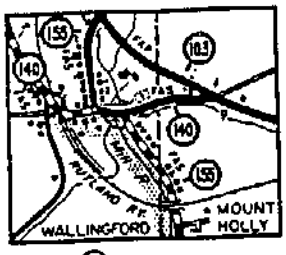
RES- Replaces Existing Supply

MAP SOURCE: VERMONT AGENCY OF TRANSPORTATION





INSET 2
SOUTH WALLINGFORD



INSET 5
EAST WALLINGFORD

SCALE

Wells 301-325

BASIC WELL DATA

TOWN Wallingford

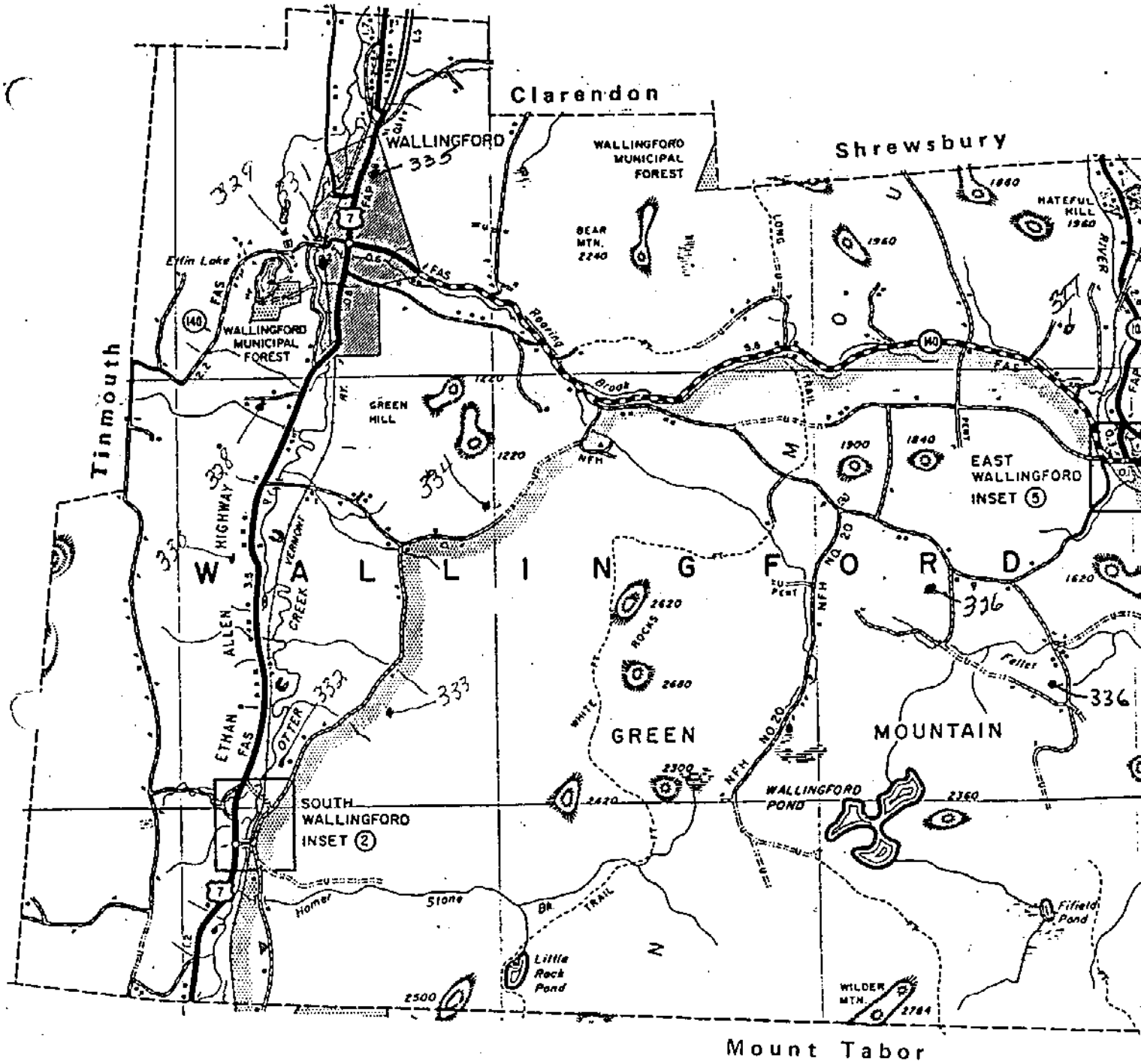
WELLS 326-350.

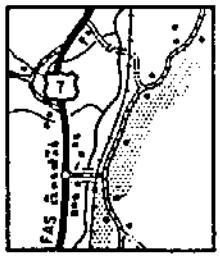
NUMBER WR	NUMBER USGS	NAME OF WELL OWNER or Purchaser (P)	MAP LOC	YIELD GPM	TOTAL DEPTH FEET	DEPTH ROCK FEET	CASING LENGTH FEET	STATIC WATER LEVEL	YR DR	DRILL NO.	REMAR
326		Tom Stratton	27A8	10+	220	10	21	20'	95	129	
327		Gary Parker	27A7	18	120	66	78	70'	95	196	RE
328		C. Garrapy	27A2	20	190	100	185	50'	95	176	G
329		Jeff Davenport	27A1	4	405	8	22	10'	95	176	
330		Mellisa Sargent	27A2	15	205	8	20	8'	95	176	
331		Wallingford Fire District #4 O Lincoln Applied Geology P	27A1	150	55	G	45	5'	95	250	Res G
332		Kevin Brown	27A2	8	265	150	165	12'	95	176	
333		Margaret Brown	27A2		345	250	266	100'	95	176	
995 334		Mike Kehn	27A2	4	265	15	40	10'	95	176	
335		Frank Burnham Wallingford	27A1	40	245	33	37	27'	96	93	Re
336		Chet Carrara	27A8	10	165	40	52	30	96	176	

RES-Replaced Existing Supply.

MAP SOURCE: VERMONT AGENCY OF TRANSPORTATION

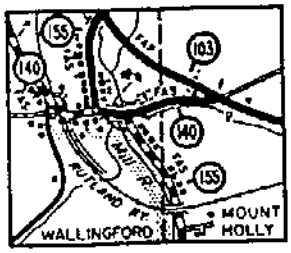
Wallingford 1125





INSET ②
SOUTH WALLINGFORD

SCALE
0 0.1 0.2 MILES
0 0.1 0.2 KILOMETERS



INSET ⑤
EAST WALLINGFORD

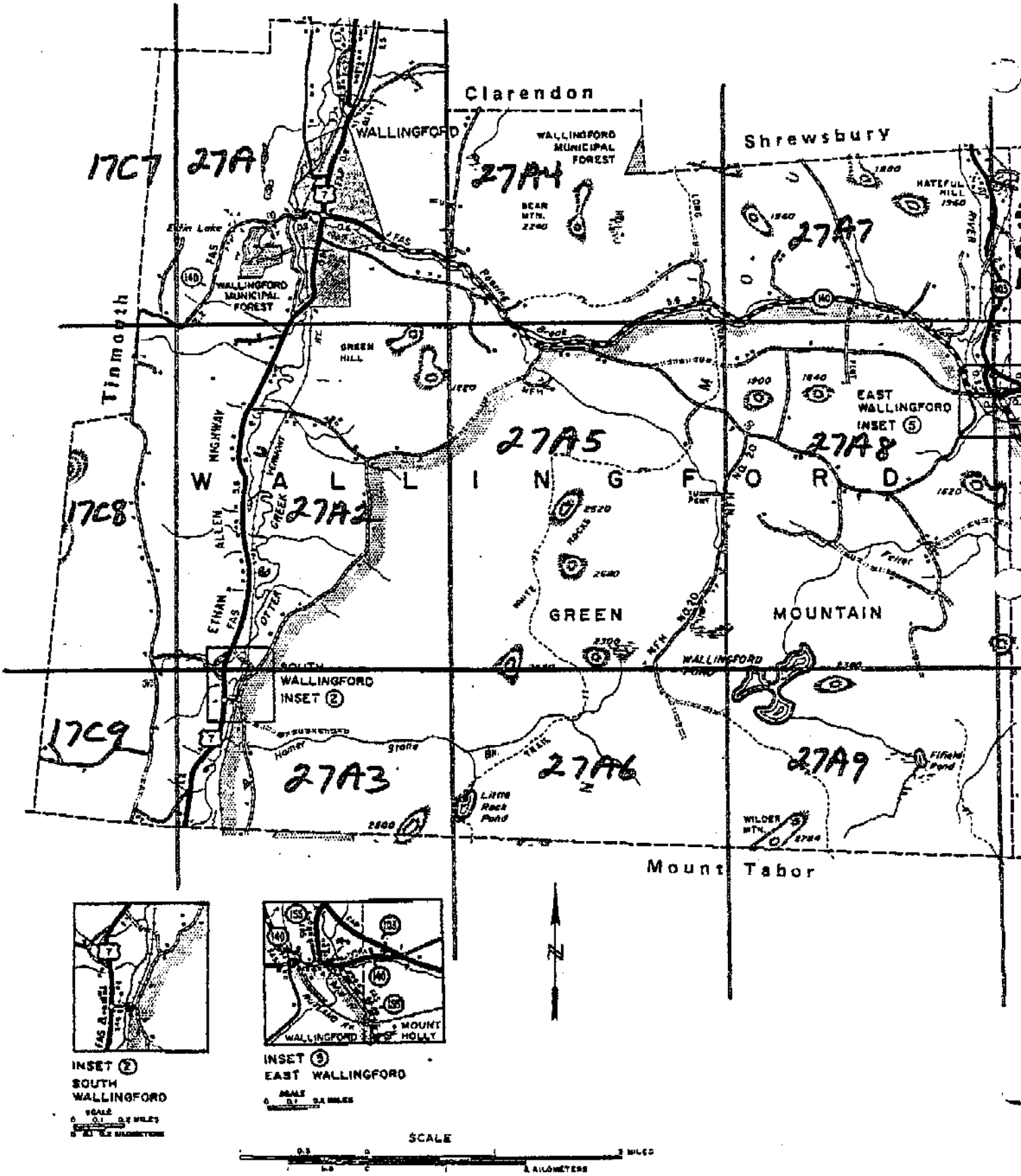
SCALE
0 0.1 0.2 MILES

SCALE
1 0.5 0 1 2 MILES
1 0.5 0 1 2 KILOMETERS

Wells 326-350

MAP SOURCE: VERMONT AGENCY OF TRANSPORTATION

Wallingford 1125



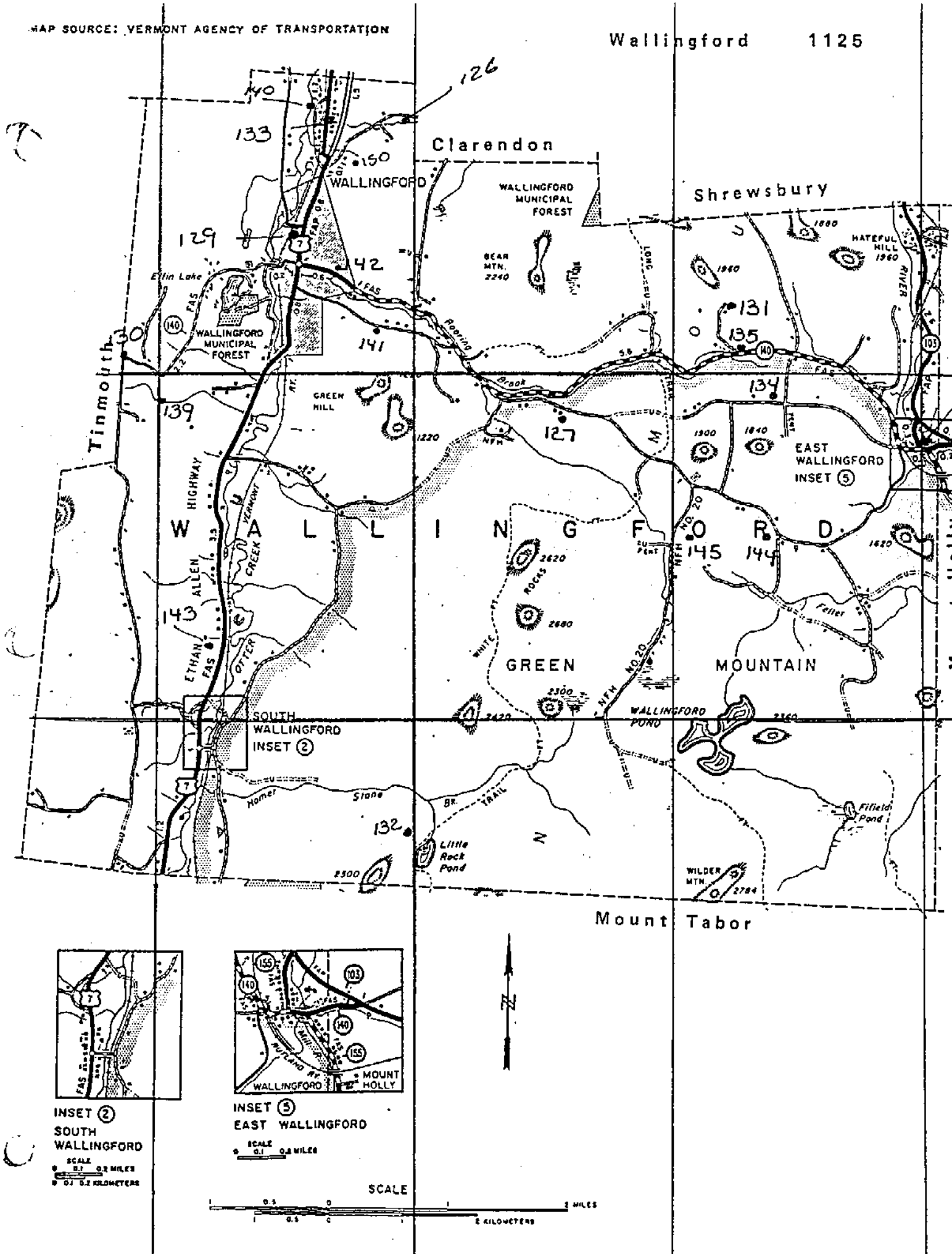
BASIC WELL DATA

TOWN WALLINGFORD

WELLS 126–150

NUMBER WR	USGS	NAME OF WELL OWNER or Purchaser (P)	MAP LOC	YIELD GPM	TOTAL DEPTH FEET	DEPTH ROCK FEET	CASING LENGTH FEET	STATIC WATER LEVEL	YR DR	DRILL NO.	RE
126		East St, Clarendon PHIL ALDERMAN	27a1	30	405	80	100	20	3	33	
127		Gerald Colwin	27a5	12	365	85	100	40	83	179	
128		LEO FARLEY	27c2	87 ~~20~~	87 297	D	D		83	6	
129		RIVER Frances Shaw (P)	27a1	15	265	40	40	15	82	176	
130		Nathan Gaotti	17c7	50	265	20	20	F-5	82	176	
131		Raymond Tanner	27a7	25	195	40	40	15	82	176	
132		Edward Kimball	27a3	7	245	143	152	13	83	176	
133		Pertins RD Richard Duprey	27a1	5	305	18	20	4	83	176	
134		Dan Talbot	27a8	30	205	67	69	25	83	176	
135		Jamie Edmund's	27a7	8	225	19	19	21	83	176	
136		Thomas Miner		2½	163	7	10	8	72	41	
137		Dean Clark		10	181	4	10	6	73	41	
138		Elenor Davenport		45	110	68	110	25	73	41	
139		Al Ridlon (P)	27a2	2½	500	25	28	20	83	176	
140		26 Mt View 24 Rutland Lynn Hennessy	27a1	9	245	120	123	25	83	176	
141		church St Ext. Wallingford Allen Baker	27a1	3/4	272	121	124	60	84	6	
142		Old Pine Lane Sherwin Fish	27a1	12	110	6	6		83	26	
143		White Pigment Corp.	27a2	10	145	6	19		84	51	
144		F. Howard Blood	27a8	50	310	6	19	40	84	51	
145		John Picyk	27a8	6	220	15	29	0	84	51	
146		Tom Abramorich		1½	242	2	20/18	10	84	129	
147		R. Brayall		2	222	16	21/19	18	84	129	
148		Leo Samson		10	302	8	10/8	20	84	129	
149		John Kileen		1½	222	20	22/20	15	84	129	
150		216 Main Proctorsville James Reed (P)	27a1	20	440	50	60/58		84	23	

MAP SOURCE: VERMONT AGENCY OF TRANSPORTATION



INSET 2
SOUTH WALLINGFORD
SCALE
0 0.1 0.2 MILES
0 0.1 0.2 KILOMETERS

INSET 5
EAST WALLINGFORD
SCALE
0 0.1 0.2 MILES

WR #71
1974

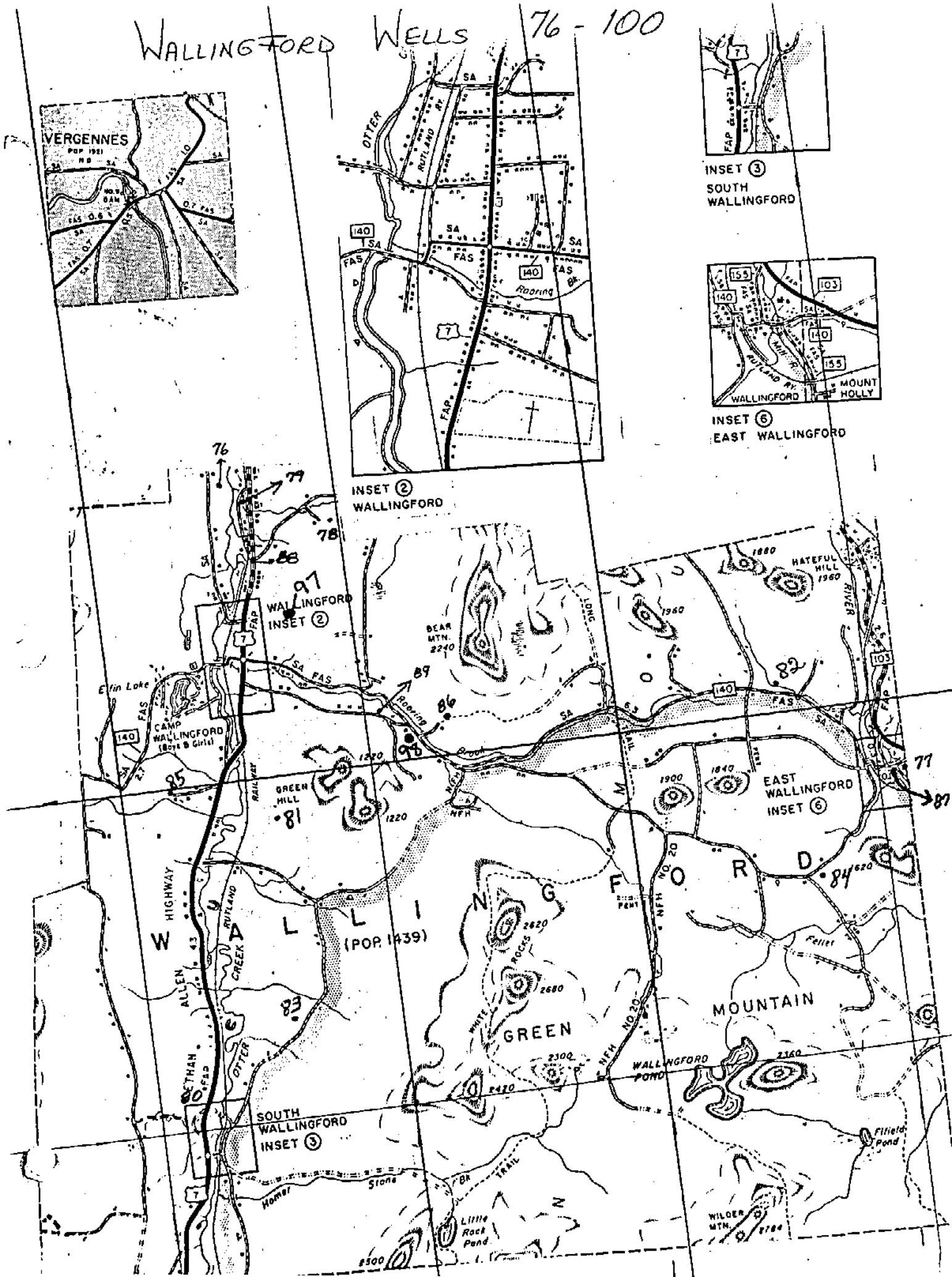
TOWN: WALLINGFORD

WELL NOS.: 76 - 100

BASIC WELL DATA

Well No.	Well Owner		Yield (gpm)	Total Depth (feet)	Depth To Bedrock (feet)	Static Water Level	Drille Other Info
76	ROGER LAPRE	27a1	30	197	10	24	41
77	MISS CECILE G. BETT	27c2	14	140	62	1	48
78	RUMRILL	27a1	25	95	GRAVEL	20	16
✓ 79	GORDON LEWIS	27a1	1½	205	15	5	57
80	OLIKER		1½	250	35		23
81	Robert JAKES	27a2	1¼	265	190	25	51
82	MISS Helen FOX	27a7	5	285	80	40	58
83	Henry Burnham	27a2	6	225	117	20	58
84	Walter Scanton	27a8	40 per hr.	397	38	50	6
85	Robert Best	27a2	24	44	gravel	12	122
86	MR. & MRS. BARTON	27a4	15	176	GRAVEL	76	132
87	JOHN McCANN	27c2	5	123	55	7	132
88	LIDSTONE LANE ERNEST LIDSTONE	27a1	½	297	4	6	6
89	MARVIN BLANCHARD	27a4	10	170	64	50	6
Sketch 90	MALCOM HANBURY		3	125	15	flows	23
Sketch 91	E. P. GRUNWALD		2½	400	30		23
Sketch 92	GARY VAN GUILDER		20	110	105	30	58
" 93	RAYMOND PETROSSI		20	150	112	30	58
" 94	ELMER BOTHERS		5	71	44	FLOWS	12
" 95	DICK WEART		20+	132	44	11	12
Sketch 96	GARY COLE		6	105	63	20	12
Sketch 97	MR. THOMAS RYAN	27a1	4	106	GRAVEL	30	6
" 98	VERNE HAWKINS	27a4	12	38	GRAVEL	18	6
Sketch 99	JOHN BUTTERWORTH		¼	400	27	20	51
Sketch 100	JEFF CROSS		6	225	91	15	36

WALLINGFORD WELLS 76 - 100



WR #71
1974

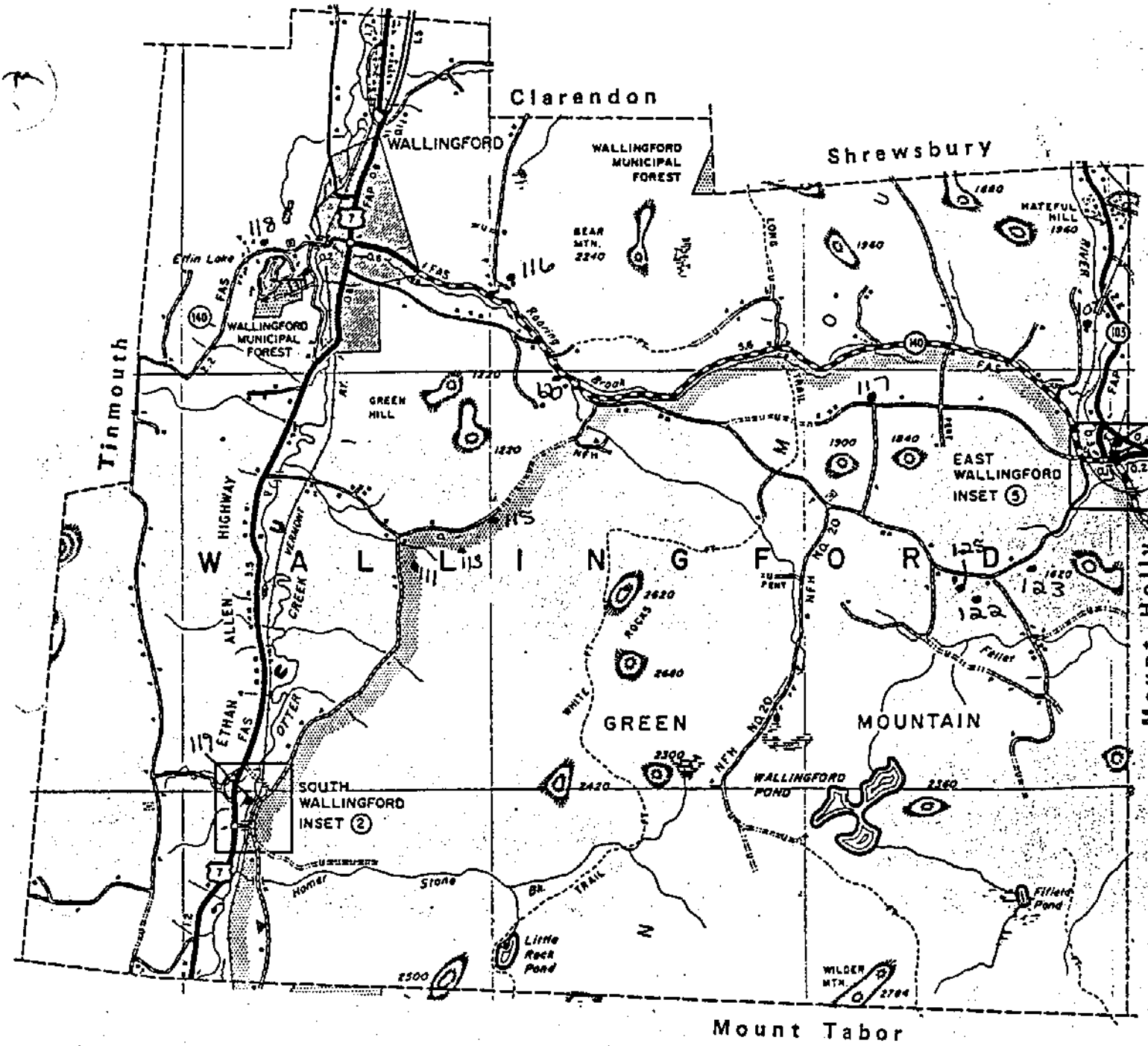
TOWN: WALLINGFORD

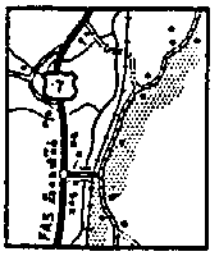
WELL NOS.: 101-125

BASIC WELL DATA

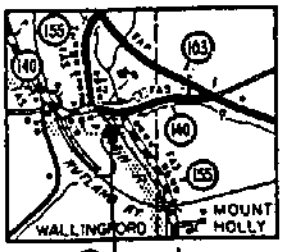
Well No.	Well Owner	Yield (gpm)	Total Depth (feet)	Depth To Bedrock (feet)	Static Water Level	Driller No.
101	RONALD BOUCHER	30	225	115		33
102	DANA CAREY	3	345	50	12	58
103	ROBERT DUNNE	12	225	20	40	58
104	LAWRENCE KELLER	3	230	ROTTEN LEDGE	30	23
105	RUTH ROBERTS	9	193	17/17	23	93
106	BOB AHLEY	2	265	51/60	20	23
107	WILLARD O. STORK 27a7	9½	144	43/43		93
108	George Gumienny	75	225	78/88	10	58
109	Martin Denofer	20	225	15/20	20	58
110	Ron Boucher	20	180	120/140	40	33
111	Douglas Ploof 27a2	50	187	24/30		51
112	Sherwin Fish	6	97	97/97 G	15	26 G
113	Joe Wilder 27a2	5	107	7/10½	18	132
114	WILLARD STORK 27a8	9½	144	41/43	22	93
115	PHILLIP MURRAY 27a5	40	265	127/138	10	58
116	DR. WARREN HAGGERTY 27a4	10	265	44/56½		58
117	JOHN CANNEY 27a1	20	185	51½/61	7	58
118	Robert DAVENPORT 27a1	15	245	8/18	F½	58
119	DAVID PERRY 27a3	15	205	65/73½	13	58
120	MRS. GEORGE HOLDEN 27a5	30	138	9/138	35	41
121	ROGER WALESJEK 27a8	20	297	92/93	20	6
122	ROBERT WILDMAN 27a8	7	130	2/19	10	51
123	JIM KENNEY 27a8	3	80	5/10½	2	132
124	EARLE WADE 27a8	1¾	280	68/75	0	51
125	F. HOWARD BLOOD 27a8	4	310	55/63	0	51

MAP SOURCE: VERMONT AGENCY OF TRANSPORTATION



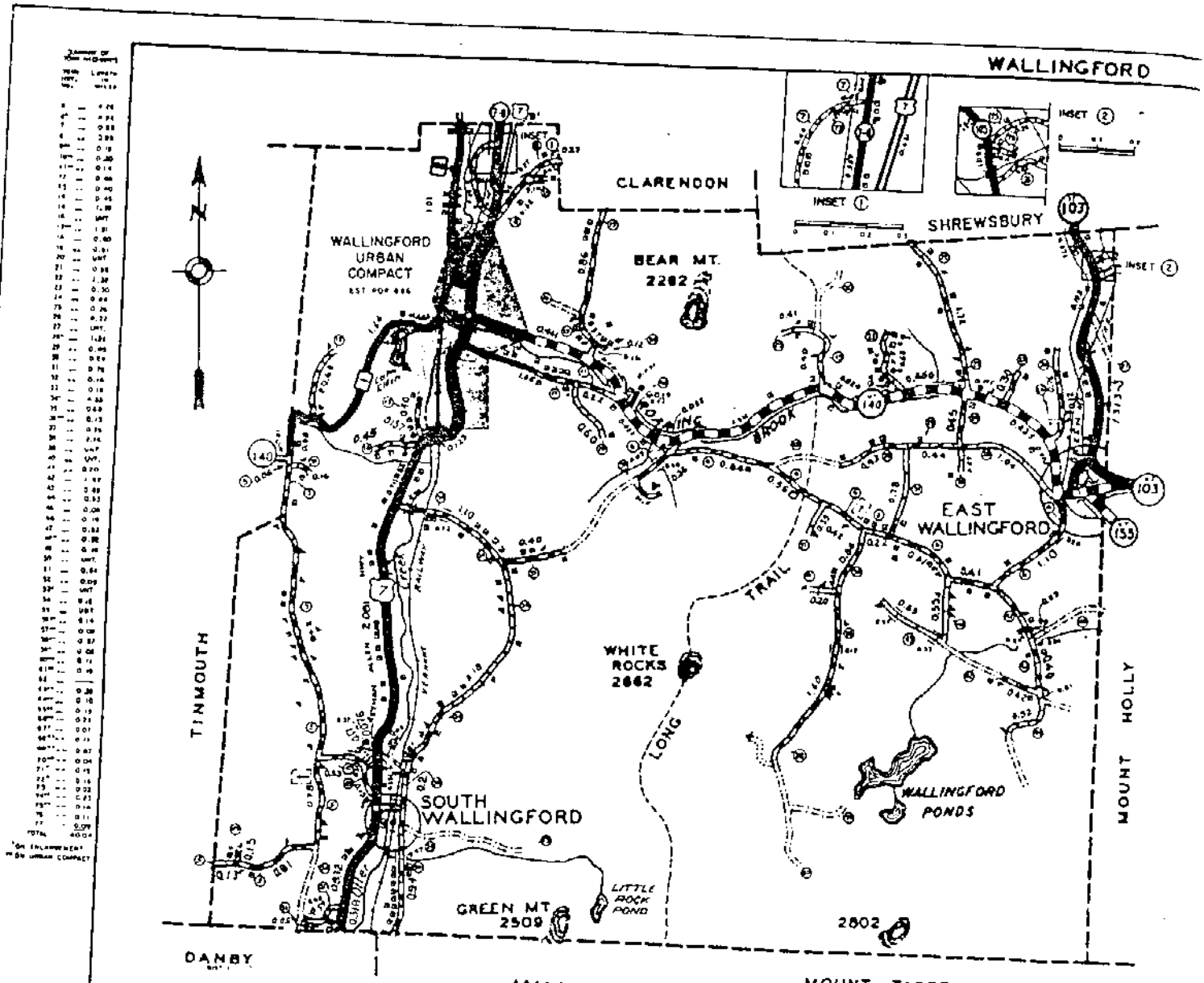


INSET 2
SOUTH WALLINGFORD



INSET 5 124
EAST WALLINGFORD

Wallingford
101-125



WALLINGFORD

SCALE 0 .05 1 MI.

-1949-

LEGEND

- U.S. NUMBERED ROUTE
- STATE HIGHWAY
- NUMBERED STATE AID HWY.
- STATE AID HWY. WITH SELECTED TOWN NO.
- FA FEDERAL AID HIGHWAY
- TOWN HIGHWAY
- FARM UNIT
- DWELLING (OTHER THAN FARM)
- SCHOOL
- BUSINESS
- PAVED ROAD
- SURFACE TREATED ROAD
- GRAVEL ROAD
- SOIL SURFACE (2nd Class Gravel)
- GRADED & DRAINED ROAD
- UNIMPROVED ROAD
- PRIMITIVE ROAD
- UNTRAVELED ROAD
- CHURCH
- SEASONAL DWELLING
- CEMETERY
- TRAIL
- PRIVATE ROAD

NOTE: VACANT CULTURAL FEATURES SHOWN IN OUTLINE FORM.

NOTICE
THIS COPY DOES NOT INCLUDE ACT 63 MILEAGE CHANGES

BRIDGES:
SPAN 6' THRU 20'
SPAN OVER 20'

TOWN HIGHWAY	40.04 MILES
STATE AID HWY. NO. 1	2.42 "
STATE AID HWY. NO. 2	1.47 "
STATE AID HWY. NO.	"
STATE AID HWY. NO.	"
TOTAL STATE AID	3.89 "
STATE HIGHWAY NO. 103	2.132 "
STATE HIGHWAY NO. U.S. 7	7.100 "
STATE HIGHWAY NO. 140	6.349 "
STATE HIGHWAY NO. ALT U.S. 7	0.774 "
STATE HIGHWAY NO. 155	0.412 "
TOTAL STATE HWY.	16.767
TOTAL ALL SYSTEMS	60.697

VERMONT HIGHWAY DISTRICT NO 3

REVISED:

RUTLAND COUNTY

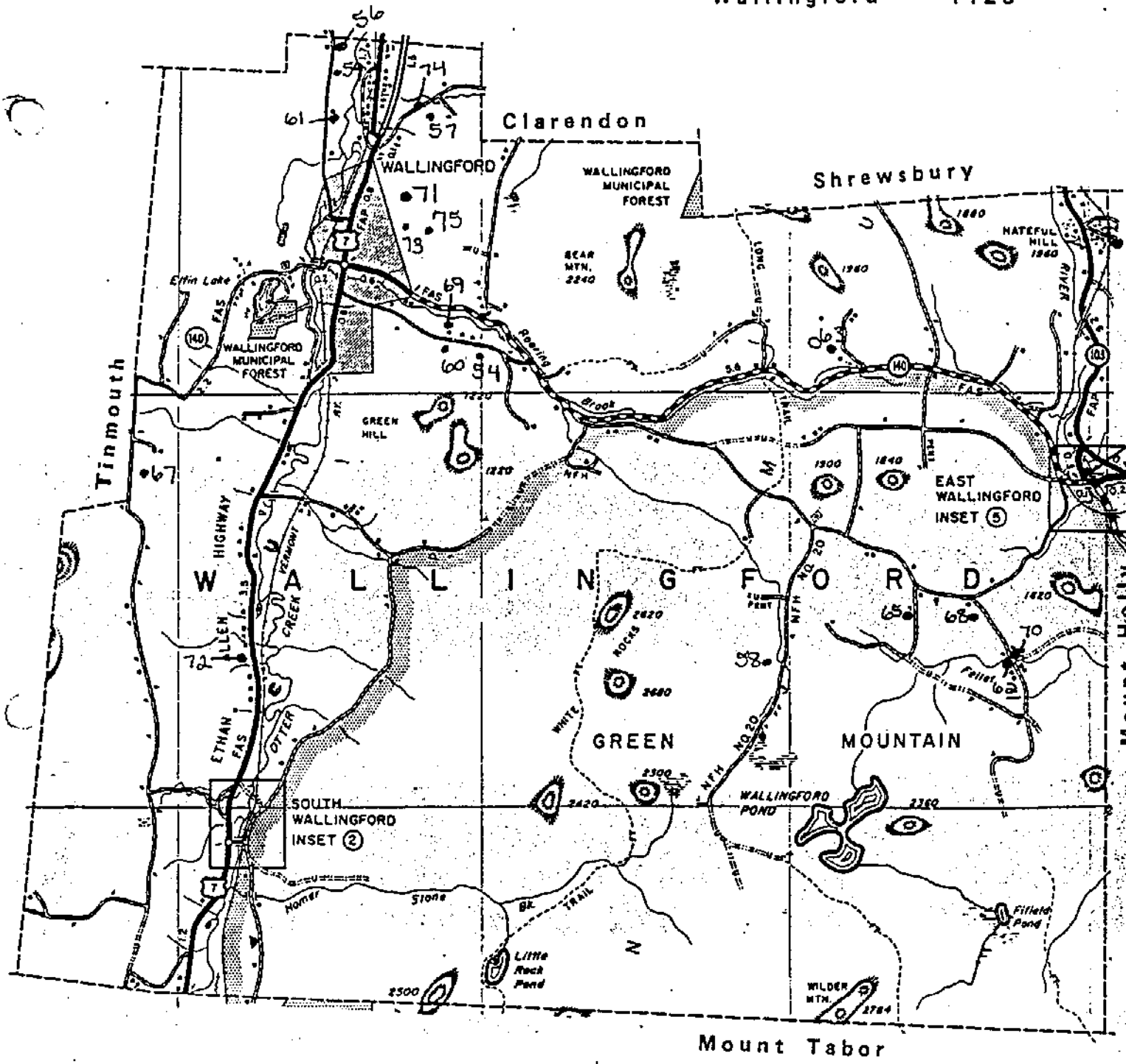
BASIC WELL DATA

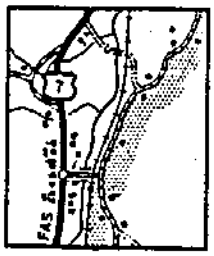
WALLINGFORD (Town) — 65-75 (Code Numbers)

Well No.	Owner	Location	Depth (Ft.)	Yield (G.P.M.)	Rock or Gravel
65	ALFRED PARKER	27a8	265	20	ROCK
66	LILLIAN MARTIN	27C1	50	30	GRAVEL
67	MARGARET REDFIELD	17C8	209	5½	ROCK
68	JEFFREY ALLEN	27a8	190	½	ROCK
69	WILLIAM MORITZ	27a1	85	5	ROCK
70	RAMOND SPARKS	27a8	86	10	GRAVEL
71.	MILO ROCKWELL	27a1	145	4	ROCK
72	ARTHUR DAWSON	27a2	175	3	ROCK
73	GEORGE DUPREE	27a1	205	3	ROCK
74	MRS. B. SAVERY	27a1	136	10	ROCK
75	WILLIAM COATE	27a1	131	6	ROCK

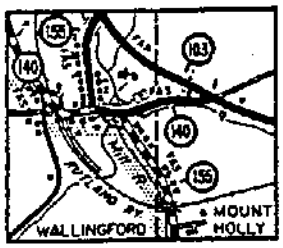
GO TO NEXT FOLDER PLEASE

MAP SOURCE: VERMONT AGENCY OF TRANSPORTATION





INSET 2
SOUTH WALLINGFORD



INSET 5
EAST WALLINGFORD

SCALE

Wallingford
54-75

10

27a1 06-0

State of Vermont
DEPARTMENT OF WATER RESOURCES

WELL COMPLETION REPORT

(This report must be completed and submitted to the Department of Water Resources, State Office Building, Montpelier, Vermont 05602, no later than 30 days after completion of well.)

S.
Other No.

WELL OWNER Rev. James H. Bagley (Name) Box 136 Bradford, Vt. (Mailing Address)

WELL DRILLER Green Mountain Drilling Co., Inc. (Name) Center Rutland, Vt. (Mailing Address)

PROPOSED USE OR USES (Check):

☒ Domestic ☐ Agricultural ☐ Business Establishment ☐ Municipal ☐ Industrial

☐ Other (Specify use)

CASTING DETAILS (Inside)	YIELD TEST	WATER LEVEL (From land surface) (if possible)	SCREEN DETAILS
Length: 33 Feet	☐ Bailed or ☐ Pumped or ☒ Compressed Air — 2 Hours, 1 GPM	Static: 14 Feet	Make:
Diameter: Inches		During Yield Test: Feet	Material: None
Kind: Steel		DRILLING EQUIPMENT: ☐ Cable Tool	Slot Size
Weight: 16 lbs/p/ft		☒ Rotary	Length: Ft.
☒ New ☐ Used	Yield: 1 GPM	☐ Air Percussion ☐ Other (specify)	Diameter: in.

TOTAL DEPTH OF WELL 323'-0" FEET TOWN WELL IS LOCATED IN: Wallingford
(Make sketch of well location on reverse side of sheet)

WELL LOG

Depth From Ground Surface	Give description of formations penetrated, such as: peat, silt, sand, gravel, clay, hardpan, shale, limestone, granite, etc. Include size of gravel (diameter) and sand (fine, medium, coarse) color of material, structure (loose, packed, cemented, hard). For example: 0 ft. to 27 ft. fine, packed, yellow sand; 27 ft. to 134 ft. gray granite.
0 ft. to 28 ft.	Fine Sand
28 ft. to 323 ft.	Marble
ft. to ft.	
ft. to ft.	
ft. to ft.	

YIELD TEST DATA IN G.P.M.
If yield was tested at different depth during drilling, List Below

ft.	G.P.M.
ft.	G.P.M.
ft.	G.P.M.

Has sample of well water been analyzed? No

Where was sample analyzed?
(Include analysis of sample if analyzed by other than Department of Water Resources.)

Date Well was Completed 12-21-66 Date of Report 12-24-66

Water Well Driller's License No. 51 Well Driller Lloyd H. Robert (Signature)

06-

27a1

State of Vermont
DEPARTMENT OF WATER RESOURCES

WELL COMPLETION REPORT

(This report must be completed and submitted to the Department of Water Resources, State Office Building, Montpelier, Vermont 05602, no later than 30 days after completion of well.)

State Well
Other No. [illegible]

WELL OWNER Albert Kelley (Name) Wallingford, Vt. (Mailing Address)

WELL DRILLER Green Mt. Drilling Co., Inc. (Name) Center Rutland, Vt. (Mailing Address)

PROPOSED USE OR USES (Check):

☒ Domestic ☐ Agricultural ☐ Business Establishment ☐ Municipal ☐ Industrial

☐ Other (Specify use)

CASTING DETAILS (Inside)	YIELD TEST		WATER LEVEL (From land surface) (if possible)	SCREEN DETAILS
Length: 57 Feet	☐ Bailed or ☐ Pumped or ☒ Compressed Air	2 Hours	Static: 14 Feet	Make:
Diameter: Inches		4 GPM	During Yield Test: Feet	Material: None
Kind: Steel			DRILLING EQUIPMENT	Slot Size
Weight: 16 lbs/p/ft			☐ Cable Tool	Length: Ft.
			☒ Rotary	
			☐ Air Percussion	Diameter: in.
☒ New ☐ Used	Yield: 4 GPM		☐ Other (specify)	

TOTAL DEPTH OF WELL 83 FEET

TOWN WELL IS LOCATED IN: Wallingford, Vt.
(Make sketch of well location on reverse side of sheet)

WELL LOG

Depth From Ground Surface	Give description of formations penetrated, such as: peat, silt, sand, gravel, clay, hardpan, shale, limestone, granite, etc. Include size of gravel (diameter) and sand (fine, medium, coarse) color of material, structure (loose, packed, cemented, hard). For example: 0 ft. to 27 ft. fine, packed, yellow sand; 27 ft. to 134 ft. gray granite.
0 ft. to 45 ft.	Med. Sand
45 ft. to 83 ft.	Marble
ft. to ft.	
ft. to ft.	
ft. to ft.	

YIELD TEST DATA IN G.P.M.
If yield was tested at different depth during drilling, List Below

ft.	G.P.M.
ft.	G.P.M.
ft.	G.P.M.

Has sample of well water been analyzed? No

Where was sample analyzed?
(Include analysis of sample if analyzed by other than Department of Water Resources.)

Date Well was Completed 1-4-67 Date of Report 1-11-67

Water Well Driller's License No. 51 Well Driller [signature] (signature)

27a1

State of Vermont
DEPARTMENT OF WATER RESOURCES

WELL COMPLETION REPORT

(This report must be completed and submitted to the Department of Water Resources, State Office Building, Montpelier, Vermont 05602, no later than 30 days after completion of well.) also JOHN L. McKENNA Jr

Do n.
State Well No.
Other No.

WELL OWNER: Albert Kelly (Name) — Wallingford, Vt. (Mailing Address)

WELL DRILLER: Green Mt. Drilling Co., Inc. (Name) — Center Rutland, Vt. (Mailing Address)

PROPOSED USE OR USES (Check):

☒ Domestic ☐ Agricultural ☐ Business Establishment ☐ Municipal ☐ Industrial ☐ Other (Specify use)

CASTING DETAILS (Inside)	YIELD TEST	WATER LEVEL (From land surface) (if possible)	SCREEN DETAILS
Length: 75 Feet	☐ Bailed or ☐ Pumped or ☒ Compressed Air — 2 Hours, 2 GPM	Static: 20 Feet	Make:
Diameter: Inches		During Yield Test: Feet	Material: None
Kind: Steel		DRILLING EQUIPMENT: ☐ Cable Tool ☒ Rotary ☐ Air Percussion ☐ Other (specify)	Slot Size
Weight: 16 lbs/p/ft			Length: Ft.
☒ New ☐ Used	Yield: 2 GPM		Diameter: in.

TOTAL DEPTH OF WELL 172 FEET

TOWN WELL IS LOCATED IN: Wallingford, Vt.
(Make sketch of well location on reverse side of sheet)

WELL LOG

Depth From Ground Surface	Give description of formations penetrated, such as: peat, silt, sand, gravel, clay, hardpan, shale, limestone, granite, etc. Include size of gravel (diameter) and sand (fine, medium, coarse) color of material, structure (loose, packed, cemented, hard). For example: 0 ft. to 27 ft. fine, packed, yellow sand; 27 ft. to 134 ft. gray granite.
0 ft. to 67 ft.	Med. Sand
67 ft. to 172 ft.	Marble
ft. to ft.	
ft. to ft.	
ft. to ft.	

YIELD TEST DATA IN G.P.M.
If yield was tested at different depth during drilling, List Below

ft.	G.P.M.
ft.	G.P.M.
ft.	G.P.M.

Has sample of well water been analyzed? No

Where was sample analyzed?
(Include analysis of sample if analyzed by other than Department of Water Resources.)

Date Well was Completed 1-11-67 Date of Report 1-11-67

Water Well Driller's License No. 51 Well Driller [signature]
(signature)

27a|

State of Vermont
DEPARTMENT OF WATER RESOURCES

WELL COMPLETION REPORT

(This report must be completed and submitted to the Department of Water Resources, State Office Building, Montpelier, Vermont 05602, no later than 60 days after completion of well.)

Do not
State Well No.
Other No. [illegible]

WELL OWNER Charlotte Summers (Name) RFD North Clarendon, Vt. (Mailing Address)

WELL DRILLER Green Mt. Drilling Co, Inc (Name) Box 76 Castleton, Vt. (Mailing Address)

PROPOSED USE OR USES (Check):

☑ Domestic ☐ Agricultural ☐ Business Establishment ☐ Municipal ☐ Industrial

☐ Other (Specify use)

CASING DETAILS (Inside)	YIELD TEST	WATER LEVEL (From land surface) (if possible)	SCREEN DETAILS
Length: 46 Feet	☐ Bailed or ☐ Pumped or ☑ Compressed Air; 1 Hours; 1 GPM	Static: 17 Feet	Make: None
Diameter: 6 Inches		During Yield Test: Feet	Material:
Kind: Steel		DRILLING EQUIPMENT: ☐ Cable Tool ☑ Rotary ☐ Air Percussion ☐ Other (specify)	Slot Size Length: Ft.
Weight: 16 lbs/p/ft			Diameter: in.
☑ New ☐ Used	Yield: 1 GPM		

TOTAL DEPTH OF WELL 250 FEET

TOWN WELL IS LOCATED IN: Wallingford
(Make sketch of well location on reverse side of sheet)

WELL LOG

Depth From Ground Surface	Give description of formations penetrated, such as: peat, silt, sand, gravel, clay, hardpan, shale, limestone, granite, etc. Include size of gravel (diameter) and sand (fine, medium, coarse) color of material, structure (loose, packed, cemented, hard). For example: 0 ft. to 27 ft. fine, packed, yellow sand; 27 ft. to 134 ft. gray granite.
0 ft. to 40 ft.	Clay
40 ft. to 250 ft.	Limestone
ft. to ft.	
ft. to ft.	
ft. to ft.	

YIELD TEST DATA IN G.P.M.
If yield was tested at different depth during drilling, List Below

127 ft.	½ G.P.M.
250 ft.	1 G.P.M.
ft.	G.P.M.

Has sample of well water been analyzed? No

Where was sample analyzed?
(Include analysis of sample if analyzed by other than Department of Water Resources.)

Date Well was Completed 10-10-67 Date of Report 10-11-67

Water Well Driller's License No. 51 Well Driller Floyd H Robert (signature)

06-050-[illegible]

2721

State of Vermont
DEPARTMENT OF WATER RESOURCES

Form WR-59

WELL COMPLETION REPORT

(This report must be completed and submitted to the Department of Water Resources, State Office Building, Montpelier, Vermont 05602, no later than 60 days after completion of well.)

Do not fill in
State Well No. [illegible]
Other No. [illegible]

WELL OWNER WILLIAM KEY'S — WALLINGFORD VT
Name — Mailing Address

WELL DRILLER CARLSON & LONDON ARTESIAN WELLS, INC. SO. LONDONDERRY, VT. 05125 PHONE 802-824-[illegible]
Name — Mailing Address

PROPOSED USE OR USES (Check):

☒ Domestic ☐ Agricultural ☐ Business Establishment ☐ Municipal ☐ Industrial

☐ Other (Specify use)

CASING DETAILS (Inside)	YIELD TEST		WATER LEVEL (From land surface) (If possible)	SCREEN DETAILS
Length: 12 Feet	☐ Bailed or ☐ Pumped or ☒ Compressed Air	Hours	Static: 3 Feet	Make:
Diameter: 6" Inches		12 GPM	During Yield Test: Feet	Material:
Kind: VALLEY STEEL			DRILLING EQUIPMENT	Slot Size
Weight: 19½ lbs/p/ft			☐ Cable Tool	Length: Ft.
☒ New ☐ Used	Yield: 12 GPM		☐ Rotary	Diameter: in.
			☒ Air Percussion	
			☐ Other (specify)	

TOTAL DEPTH OF WELL 71 FEET

TOWN WELL IS LOCATED IN: WALLINGFORD
(Make sketch of well location on reverse side of sheet)

WELL LOG

Depth From Ground Surface	Give description of formations penetrated, such as: peat, silt, sand, gravel, clay, hardpan, shale, limestone, granite, etc. Include size of gravel (diameter) and sand (fine, medium, coarse) color of material, structure (loose, packed, cemented, hard). For example: 0 ft. to 27 ft. fine, packed, yellow sand; 27 ft. to 134 ft. gray granite.
0 ft. to 5 ft.	DIRT
5 ft. to 71 ft.	GRANITE
ft. to ft.	
ft. to ft.	
ft. to ft.	

YIELD TEST DATA IN G.P.M.
If yield was tested at different depth during drilling, List Below

71 ft.	12 G.P.M.
ft.	G.P.M.
ft.	G.P.M.

Has sample of well water been analyzed? No

Where was sample analyzed?
(Include analysis of sample if analyzed by other than Department of Water Resources.)

Date Well was Completed Nov. 3, 69 Date of Report DEC. 15, 69

Water Well Driller's License No. 26 Well Driller Carlson & London Artesian Wells Inc. (signature)

2721

(18)

State of Vermont
DEPARTMENT OF WATER RESOURCES

Form WR-59

WELL COMPLETION REPORT

(This report must be completed and submitted to the Department of Water Resources, State Office Building, Montpelier, Vermont 05602, no later than 60 days after completion of well.)

Do not fill in
State Well No. [illegible]
Other No. [illegible]

WELL OWNER Mr. Lawrence Stevens (Name) North Main St. Wallingford, Vt. 05773 (Mailing Address)

WELL DRILLER Ottauquechee Drilling Co., Inc. (Name) West Bridgewater, Vt. 05035 (Mailing Address)

PROPOSED USE OR USES (Check):

☒ Domestic ☐ Agricultural ☐ Business Establishment ☐ Municipal ☐ Industrial

☐ Other (Specify use)

CASING DETAILS (Inside)	YIELD TEST		WATER LEVEL (From land surface) (if possible)	SCREEN DETAILS
Length: 20 Feet	☐ Bailed or ☐ Pumped or ☒ Compressed Air	2 Hours	Static: 11 Feet	Make:
Diameter: 6 Inches		10 GPM	During Yield Test: Feet	Material:
Kind: Steel			DRILLING EQUIPMENT	Slot Size
Weight: 19 lbs/p/ft			☐ Cable Tool ☒ Rotary ☐ Air Percussion	Length: Ft.
☒ New ☐ Used	Yield: 10 GPM		☐ Other (specify)	Diameter: in.

TOTAL DEPTH OF WELL 130 FEET

TOWN WELL IS LOCATED IN: Wallingford, Vt.
(Make sketch of well location on reverse side of sheet)

WELL LOG

Depth From Ground Surface	Give description of formations penetrated, such as: peat, silt, sand, gravel, clay, hardpan, shale, limestone, granite, etc. Include size of gravel (diameter) and sand (fine, medium, coarse) color of material, structure (loose, packed, cemented, hard). For example: 0 ft. to 27 ft. fine, packed, yellow sand; 27 ft. to 134 ft. gray granite.
0 ft. to 8 ft.	Clay & broken limestone
8 ft. to 130 ft.	Medium hard limestone. Broken porous formation 93' to 106'
ft. to ft.	
ft. to ft.	
ft. to ft.	

YIELD TEST DATA IN G.P.M.
If yield was tested at different depth during drilling, List Below

120 ft.	10 G.P.M.
ft.	G.P.M.
ft.	G.P.M.

Has sample of well water been analyzed?

Where was sample analyzed?
(Include analysis of sample if analyzed by other than Department of Water Resources.)

Date Well was Completed 6/6/70 Date of Report 7/22/70

Water Well Driller's License No. 6 Well Driller Floyd Y. Wagner (signature)

27a1

State of Vermont
DEPARTMENT OF WATER RESOURCES

(19)

Form WR-59

WELL COMPLETION REPORT

(This report must be completed and submitted to the Department of Water Resources, State Office Building, Montpelier, Vermont 05602, no later than 60 days after completion of well.)

Do not fill in
State Well No. [illegible]
Other No. [illegible]

WELL OWNER Mr. Frederick Baker Jr. (Name) North Main St. Wallingford, Vt. 05773 (Mailing Address)

WELL DRILLER Ottauquechee Drilling Co., Inc. (Name) West Bridgewater, Vt. 05035 (Mailing Address)

PROPOSED USE OR USES (Check):

☒ Domestic ☐ Agricultural ☐ Business Establishment ☐ Municipal ☐ Industrial

☐ Other (Specify use)

CASING DETAILS (Inside)	YIELD TEST		WATER LEVEL (From land surface) (If possible)	SCREEN DETAILS
Length: 20 Feet	☐ Bailed or ☐ Pumped or ☒ Compressed Air	2 Hours	Static: 9 Feet	Make:
Diameter: 6 Inches		6 GPM	During Yield Test: Feet	Material:
Kind: Steel			DRILLING EQUIPMENT	Slot Size
Weight: 19 lbs/p/ft			☐ Cable Tool ☒ Rotary ☐ Air Percussion	Length: Ft.
☒ New ☐ Used	Yield: 6 GPM		☐ Other (specify)	Diameter: in.

TOTAL DEPTH OF WELL 115 FEET

TOWN WELL IS LOCATED IN: Wallingford, Vt.
(Make sketch of well location on reverse side of sheet)

WELL LOG

Depth From Ground Surface	Give description of formations penetrated, such as: peat, silt, sand, gravel, clay, hardpan, shale, limestone, granite, etc. Include size of gravel (diameter) and sand (fine, medium, coarse) color of material, structure (loose, packed, cemented, hard). For example: 0 ft. to 27 ft. fine, packed, yellow sand; 27 ft. to 134 ft. gray granite.
0 ft. to 8 ft.	Hardpan & broken limestone
8 ft. to 115 ft.	Medium hard limestone with broken rock areas from 89'
ft. to ft.	to 104'
ft. to ft.	
ft. to ft.	

YIELD TEST DATA IN G.P.M.
If yield was tested at different depth during drilling, List Below

105 ft.	6 G.P.M.
ft.	G.P.M.
ft.	G.P.M.

Has sample of well water been analyzed?

Where was sample analyzed?
(Include analysis of sample if analyzed by other than Department of Water Resources.)

Date Well was Completed 6/5/70

Date of Report 7/22/70

Water Well Driller's License No. 6

Well Driller Floyd Y. Wager (signature)

27a1

State of Vermont
DEPARTMENT OF WATER RESOURCES

Form WR-59

WELL COMPLETION REPORT

(21)

(This report must be completed and submitted to the Department of Water Resources, State Office Building, Montpelier, Vermont 05602, no later than 30 days after completion of well.)

Do not fill in
State Well No.
Other No.

WELL OWNER STANLEY S FARRAR (Name) WALLINGFORD VT (Mailing Address)

WELL DRILLER CARLSON & LUNDIN (Name) SO. LONDONDERRY VT (Mailing Address)

PROPOSED USE OR USES (Check):

☒ Domestic ☐ Agricultural ☐ Business Establishment ☐ Municipal ☐ Industrial

☐ Other (Specify use)

CASTING DETAILS (Inside)	YIELD TEST		WATER LEVEL (From land surface) (if possible)	SCREEN DETAILS
Length: 23' Feet	☐ Bailed or ☐ Pumped or ☒ Compressed Air	2 Hours	Static: 15' Feet	Make:
Diameter: 6" Inches		5½ GPM	During Yield Test: Feet	Material:
Kind: VALLEY STEEL			DRILLING EQUIPMENT	Slot Size
Weight: 19½ lbs/p/ft			☐ Cable Tool	Length: Ft.
☒ New ☐ Used	Yield: 5½ GPM		☐ Rotary	Diameter: in.
			☒ Air Percussion	
			☐ Other (specify)	

TOTAL DEPTH OF WELL 150 FEET

TOWN WELL IS LOCATED IN: WALLINGFORD VT
(Make sketch of well location on reverse side of sheet)

WELL LOG

Depth From Ground Surface	Give description of formations penetrated, such as: peat, silt, sand, gravel, clay, hardpan, shale, limestone, granite, etc. Include size of gravel (diameter) and sand (fine, medium, coarse) color of material, structure (loose, packed, cemented, hard). For example: 0 ft. to 27 ft. fine, packed, yellow sand; 27 ft. to 134 ft. gray granite.
0 ft. to 17 ft.	GRAVEL
17 ft. to 150 ft.	GRANITE
ft. to ft.	
ft. to ft.	
ft. to ft.	

YIELD TEST DATA IN G.P.M.
If yield was tested at different depth during drilling, List Below

150 ft.	5½ G.P.M.
ft.	G.P.M.
ft.	G.P.M.

Has sample of well water been analyzed? No

Where was sample analyzed?
(Include analysis of sample if analyzed by other than Department of Water Resources.)

Date Well was Completed Nov. 4, 70 Date of Report Dec. 30, 70

Water Well Driller's License No. 26 Well Driller Carlson & Lundin (signature) artesian well drilling

27a1

State of Vermont
DEPARTMENT OF WATER RESOURCES

(22)

Form WR-59

WELL COMPLETION REPORT

(This report must be completed and submitted to the Department of Water Resources, State Office Building, Montpelier, Vermont 05602, no later than 30 days after completion of well.)

Do not fill in
State Well No. [illegible]
Other No. [illegible]

WELL OWNER Mr. Washington Crossman (Name) Wallingford, Vt. (Mailing Address)

WELL DRILLER Ottauquechee Drilling Co., Inc. (Name) West Bridgewater, Vt. 05035 (Mailing Address)

PROPOSED USE OR USES (Check):

☒ Domestic ☐ Agricultural ☐ Business Establishment ☐ Municipal ☐ Industrial

☐ Other (Specify use)

CASING DETAILS (Inside)	YIELD TEST		WATER LEVEL (From land surface) (if possible)	SCREEN DETAILS
Length: 20 Feet	☐ Bailed or ☐ Pumped or ☒ Compressed Air	2 Hours	Static: 9 Feet	Make:
Diameter: 6 Inches		10 GPM	During Yield Test: Feet	Material:
Kind: Steel			DRILLING EQUIPMENT	Slot Size
Weight: 19 lbs/p/ft			☐ Cable Tool	Length: Ft.
☒ New ☐ Used	Yield: 10 GPM		☒ Rotary	Diameter: in.
			☐ Air Percussion	
			☐ Other (specify)	

TOTAL DEPTH OF WELL 122 FEET

TOWN WELL IS LOCATED IN: Wallingford
(Make sketch of well location on reverse side of sheet)

WELL LOG

Depth From Ground Surface	Give description of formations penetrated, such as: peat, silt, sand, gravel, clay, hardpan, shale, limestone, granite, etc. Include size of gravel (diameter) and sand (fine, medium, coarse) color of material, structure (loose, packed, cemented, hard). For example: 0 ft. to 27 ft. fine, packed, yellow sand; 27 ft. to 134 ft. gray granite.
0 ft. to 7 ft.	Hardpan & cobbles
7 ft. to 122 ft.	Limestone rock. Rotten limestone 109' to 115'
ft. to ft.	
ft. to ft.	
ft. to ft.	

YIELD TEST DATA IN G.P.M.
If yield was tested at different depth during drilling, List Below

105 ft.	10 G.P.M.
ft.	G.P.M.
ft.	G.P.M.

Has sample of well water been analyzed?

Where was sample analyzed?
(Include analysis of sample if analyzed by other than Department of Water Resources.)

Date Well was Completed 10/5/70

Date of Report 11/4/70

Water Well Driller's License No. 6

Well Driller [illegible] (signature)

27a1

State of Vermont
DEPARTMENT OF WATER RESOURCES

(23)

Form WR-59

WELL COMPLETION REPORT

(This report must be completed and submitted to the Department of Water Resources, State Office Building, Montpelier, Vermont 05602, no later than 60 days after completion of well.)

Do not fill in
State Well No. [illegible]
Other No. [illegible]

WELL OWNER Mr. Archie Fellenzer (Name) 11 Star Haven Ave. Middletown, N.Y. 10940 (Mailing Address)

WELL DRILLER Ottauquechee Drilling Co., Inc. (Name) West Bridgewater, Vt. 05035 (Mailing Address)

PROPOSED USE OR USES (Check):

☒ Domestic ☐ Agricultural ☐ Business Establishment ☐ Municipal ☐ Industrial

☐ Other (Specify use)

CASING DETAILS (Inside)	YIELD TEST		WATER LEVEL (From land surface) (if possible)	SCREEN DETAILS
Length: 96 Feet	☐ Bailed or ☐ Pumped or ☒ Compressed Air	2 Hours	Static: 11 Feet	Make:
Diameter: 6 Inches		8 GPM	During Yield Test: Feet	Material:
Kind: Steel			DRILLING EQUIPMENT ☐ Cable Tool ☒ Rotary ☐ Air Percussion ☐ Other (specify)	Slot Size Length: Ft.
Weight: 19 lbs/p/ft				Diameter: in.
☒ New ☐ Used	Yield: 8 GPM			

TOTAL DEPTH OF WELL 123 FEET

TOWN WELL IS LOCATED IN: Wallingford, Vt.
(Make sketch of well location on reverse side of sheet)

WELL LOG

Depth From Ground Surface	Give description of formations penetrated, such as: peat, silt, sand, gravel, clay, hardpan, shale, limestone, granite, etc. Include size of gravel (diameter) and sand (fine, medium, coarse) color of material, structure (loose, packed, cemented, hard). For example: 0 ft. to 27 ft. fine, packed, yellow sand; 27 ft. to 134 ft. gray granite.
0 ft. to 20 ft.	Hardpan & cobbles
20 ft. to 85 ft.	Ocher, mica with iron oxide coating
85 ft. to 123 ft.	Porous limestone
ft. to ft.	
ft. to ft.	

YIELD TEST DATA IN G.P.M.
If yield was tested at different depth during drilling, List Below

108 ft.	8 G.P.M.
ft.	G.P.M.
ft.	G.P.M.

Has sample of well water been analyzed?

Where was sample analyzed?
(Include analysis of sample if analyzed by other than Department of Water Resources.)

Date Well was Completed 10/5/70

Date of Report 11/4/70

Water Well Driller's License No. 6

Well Driller [illegible] (signature)

27a1 #1

State of Vermont
DEPARTMENT OF WATER RESOURCES

Form WR-59

WELL COMPLETION REPORT

(This report must be completed and submitted to the Department of Water Resources, State Office Building, Montpelier, Vermont 05602, no later than 60 days after completion of well.)

Do not fill in

WELL OWNER SHERWIN FISH WALLINGFORD VT
Name Mailing Address

WELL DRILLER CARLSON & LUNDIN ARTESIAN WELLS, INC. MT. LONDONDERRY, VT. 05155 PHONE 802-824-5255
Name Mailing Address

PROPOSED USE OR USES (Check):

☒ Domestic ☐ Agricultural ☐ Business Establishment ☐ Municipal ☐ Industrial
☐ Other (Specify use)

CASTING DETAILS (Inside)	YIELD TEST	WATER LEVEL (From land surface) (if possible)	SCREEN DETAILS
Length: 122' Feet	☐ Bailed or ☐ Pumped or ☒ Compressed Air — 2 Hours	Static: 23 Feet	Make:
Diameter: 6" Inches	20 GPM	During Yield Test: Feet	Material:
Kind: VALLEY STEEL		DRILLING EQUIPMENT	Slot Size
Weight: 19½ lbs/p/ft		☐ Cable Tool	Length: Ft.
☒ New ☐ Used	Yield: 20 GPM	☐ Rotary	Diameter: in.
		☒ Air Percussion	
		☐ Other (specify)	

TOTAL DEPTH OF WELL 122 FEET

TOWN WELL IS LOCATED IN:
(Make sketch of well location on reverse side of sheet)
WALLINGFORD VT

WELL LOG

Depth From Ground Surface	Give description of formations penetrated, such as: peat, silt, sand, gravel, clay, hardpan, shale, limestone, granite, etc. Include size of gravel (diameter) and sand (fine, medium, coarse) color of material, structure (loose, packed, cemented, hard). For example: 0 ft. to 27 ft. fine, packed, yellow sand; 27 ft. to 134 ft. gray granite.
0 ft. to 122 ft.	HARDPAN, BOULDERS, SAND, GRAVEL
ft. to ft.	
ft. to ft.	
ft. to ft.	
ft. to ft.	

YIELD TEST DATA IN G.P.M.
If yield was tested at different depth during drilling, List Below

122 ft.	20 G.P.M.
ft.	G.P.M.
ft.	G.P.M.

Has sample of well water been analyzed? NO

Where was sample analyzed?
(Include analysis of sample if analyzed by other than Department of Water Resources.)

Date Well was Completed JUNE 28 71 Date of Report JULY 27, 71

Water Well Driller's License No. 26 Well Driller Carlson & Lundin Artesian Wells Inc. (signature)

3M 5-71

27a1

State of Vermont
DEPARTMENT OF WATER RESOURCES

Form WR-59

WELL COMPLETION REPORT

(This report must be completed and submitted to the Department of Water Resources, State Office Building, Montpelier, Vermont 05602, no later than 60 days after completion of well.)

36

Do not fill in

WELL OWNER: Wallingford fire District, # 1 (Name) — Wallingford, Vt. (Mailing Address)

WELL DRILLER: C.S.P. Rabtoy (Name) — Airport Road, North Clarendon, Vt. 05759 (Mailing Address)

PROPOSED USE OR USES (Check):

☒ Domestic ☐ Agricultural ☐ Business Establishment ☐ Municipal ☐ Industrial

☐ Other (Specify use)

CASTING DETAILS (Inside)	YIELD TEST	WATER LEVEL (From land surface) (if possible)	SCREEN DETAILS
Length: 73 Feet	☒ Bailed or ☐ Pumped or ☐ Compressed Air — 7 Hours, 50 GPM	Static: 30 Feet	Make: None
Diameter: 6 Inches		During Yield Test: 73 Feet	Material:
Kind:		DRILLING EQUIPMENT: ☒ Cable Tool	Slot Size
Weight: 19 lbs/p/ft		☐ Rotary	Length: Ft.
☒ New ☐ Used	Yield: 50 GPM	☐ Air Percussion ☐ Other (specify)	Diameter: in.

TOTAL DEPTH OF WELL 73 FEET

TOWN WELL IS LOCATED IN: Wallingford Vt.
(Make sketch of well location on reverse side of sheet)

WELL LOG

Depth From Ground Surface	Give description of formations penetrated, such as: peat, silt, sand, gravel, clay, hardpan, shale, limestone, granite, etc. Include size of gravel (diameter) and sand (fine, medium, coarse) color of material, structure (loose, packed, cemented, hard). For example: 0 ft. to 27 ft. fine, packed, yellow sand; 27 ft. to 134 ft. gray granite.
0 ft. to 60 ft.	Fine Sand Tan.
60 ft. to 73 ft.	Coarse Gravel .020 1.250
ft. to ft.	
ft. to ft.	
ft. to ft.	

YIELD TEST DATA IN G.P.M.
If yield was tested at different depth during drilling, List Below

ft.	G.P.M.
ft.	G.P.M.
ft.	G.P.M.

Has sample of well water been analyzed? no

Where was sample analyzed?
(Include analysis of sample if analyzed by other than Department of Water Resources.)

Date Well was Completed 7/24/72 — Date of Report 8/31/72

Water Well Driller's License No. 41 — Well Driller Carlton D. Rabtoy (signature)

3M 8-71

2721

State of Vermont
DEPARTMENT OF WATER RESOURCES

Form WR-59

WELL COMPLETION REPORT

(This report must be completed and submitted to the Department of Water Resources, State Office Building, Montpelier, Vermont 05602, no later than 60 days after completion of well.)

Do not fill in

WELL OWNER Mr. Robert Johnson. (Name) Box 505 Manchester Center Vt. (Mailing Address)

WELL DRILLER C.L.F. Rabtoy. (Name) Airport Road North Clarendon, Vt. 05759 (Mailing Address)

PROPOSED USE OR USES (Check):

☒ Domestic ☐ Agricultural ☐ Business Establishment ☐ Municipal ☐ Industrial

☐ Other (Specify use)

CASTING DETAILS (Inside)	YIELD TEST		WATER LEVEL (From land surface) (if possible)	SCREEN DETAILS
Length: 35 Feet	☒ Bailed or ☐ Pumped or ☐ Compressed Air	3 Hours	Static: 19 Feet	Make: None
Diameter: 6 Inches		3½ GPM	During Yield Test: 142 Feet	Material:
Kind:			DRILLING EQUIPMENT	Slot Size
Weight: 19 lbs/p/ft			☒ Cable Tool	Length: Ft.
			☐ Rotary	
			☐ Air Percussion	Diameter: in.
☒ New ☐ Used	Yield: 32 GPM		☐ Other (specify)	

TOTAL DEPTH OF WELL 142 FEET

TOWN WELL IS LOCATED IN: Wallingford, Vt.
(Make sketch of well location on reverse side of sheet)

WELL LOG

Depth From Ground Surface	Give description of formations penetrated, such as: peat, silt, sand, gravel, clay, hardpan, shale, limestone, granite, etc. Include size of gravel (diameter) and sand (fine, medium, coarse) color of material, structure (loose, packed, cemented, hard). For example: 0 ft. to 27 ft. fine, packed, yellow sand; 27 ft. to 134 ft. gray granite.
0 ft. to 30 ft.	Hardpan.
30 ft. to 32 ft.	Sand & Gravel.
32 ft. to 142 ft.	Marble.
ft. to ft.	
ft. to ft.	

YIELD TEST DATA IN G.P.M.
If yield was tested at different depth during drilling, List Below

98 ft.	1 G.P.M.
ft.	G.P.M.
ft.	G.P.M.

Has sample of well water been analyzed? no

Where was sample analyzed?
(Include analysis of sample if analyzed by other than Department of Water Resources.)

Date Well was Completed 8/9/72 Date of Report 8/21/72

Water Well Driller's License No. 41 Well Driller Calvin Rabtoy. (signature)

3M 5-71

27a1

State of Vermont
DEPARTMENT OF WATER RESOURCES

Form WR-59

WELL COMPLETION REPORT

C15

(This report must be completed and submitted to the Department of Water Resources, State Office Building, Montpelier, Vermont 05602, no later than 60 days after completion of well.)

Do not fill in
State Well No. 75-2039
Other No. 12851

WELL OWNER Waggaman + Collyer Contractors (Name) 178 Dix Ave. Glens Falls, N.Y. (Mailing Address)

WELL DRILLER George Bassler (Name) Wells VT 05774 (Mailing Address)

PROPOSED USE OR USES (Check):

☐ Domestic ☐ Agricultural ☐ Business Establishment ☒ Municipal ☐ Industrial

☐ Other (Specify use)

CASING DETAILS (Inside)	YIELD TEST		WATER LEVEL (From land surface) (if possible)	SCREEN DETAILS
Length: 59 Feet	☒ Bailed or ☐ Pumped or ☐ Compressed Air	16 Hours	Static: 12 Feet	Make:
Diameter: 6 Inches		30 GPM	During Yield Test: 50 Feet	Material:
Kind: Steel			DRILLING EQUIPMENT	Slot Size
Weight: 19 lbs/p/ft			☒ Cable Tool	Length: Ft.
			☐ Rotary	
			☐ Air Percussion	Diameter: in.
☒ New ☐ Used	Yield: 30 GPM		☐ Other (specify)	

TOTAL DEPTH OF WELL 178 FEET TOWN WELL IS LOCATED IN: Wallingford
(Make sketch of well location on reverse side of sheet)

WELL LOG

Depth From Ground Surface	Give description of formations penetrated, such as: peat, silt, sand, gravel, clay, hardpan, shale, limestone, granite, etc. Include size of gravel (diameter) and sand (fine, medium, coarse) color of material, structure (loose, packed, cemented, hard). For example: 0 ft. to 27 ft. fine, packed, yellow sand; 27 ft. to 134 ft. gray granite.
0 ft. to 55 ft.	gravel, hardpan
55 ft. to 178 ft.	limestone
ft. to ft.	
ft. to ft.	
ft. to ft.	

YIELD TEST DATA IN G.P.M.
If yield was tested at different depth during drilling, List Below

ft.	G.P.M.
ft.	G.P.M.
ft.	G.P.M.

Has sample of well water been analyzed? No

Where was sample analyzed?
(Include analysis of sample if analyzed by other than Department of Water Resources.)

Date Well was Completed Jan. 5, 1973 Date of Report Feb 1, 1973

Water Well Driller's License No. 58 Well Driller George Bassler (signature)

WELL NUMBER
1973-22
(For Driller's Use)

27a1

Form WR-59
Rev. 7-72

State of Vermont
DEPARTMENT OF WATER RESOURCES

WELL COMPLETION REPORT

(This report must be completed and submitted to the Department of Water Resources, State Office Building, Montpelier, Vermont 05602, no later than ~~30~~ 60 days after completion of well. Complete or line out all blanks.)

46

DO NOT FILL IN

WELL OWNER Continental Telephone Co. of Vt. (Name) Wallingford, Vt. (Mailing Address)

TOWN IN WHICH WELL IS LOCATED: Wallingford

DATE WELL WAS COMPLETED: 6-21-73

(Please locate well on a large scale map to accompany this report. Maps are available on request.)

PROPOSED USE OF WELL: ☐ Domestic ☐ Agricultural ☒ Business Establishment ☐ Municipal ☐ Industrial ☐ Other (Specify)

DRILLING EQUIPMENT: ☐ Cable Tool ☒ Rotary ☐ Air Percussion ☐ Other (Specify)

TOTAL DEPTH OF WELL: 143 STATIC WATER LEVEL:

CASING DETAILS: Length 59 ft. Diameter 6 in. Material Steel
Weight 16 lb./ft.

SCREEN DETAILS: Make None Material Length ft.
Diameter in. Slot Size

METHOD OF SEALING CASING TO SCREEN OR BEDROCK: Drive Shoe

FINAL YIELD TEST: ☐ Bailed, or ☐ Pumped, or ☒ Compressed Air
1 Hours at 20 gallons per minute
Water level during yield test

WELL LOG

Depth From Ground Surface	Give description of formations penetrated, such as: peat, silt, sand, gravel, clay, hardpan, shale, limestone, granite, etc. Include size of gravel (diameter) and sand (fine, medium, coarse, color of material, structure (loose, packed, cemented, hard). For example: Surface to 27 ft. fine, packed, yellow sand; to 134 ft. gray granite.
Surface to 38 ft.	Sandy Clay
38 to 143 ft.	Dolomite w/ Large Quartz Beds & Fracture
to ft.	
to ft.	
to ft.	

YIELD TEST DATA IN G.P.M.
If yield was tested at different depth during drilling, List Below

ft.	G.P.M.
ft.	G.P.M.
ft.	G.P.M.

WATER ANALYSIS: Has water been analyzed? ☐ Yes ☒ No If Yes, Where
Include Analysis

DRILLED BY: Raymond L. Fenaud Jr. (Signature)
DOING BUSINESS AS: Green Mt. Drilling Co. Inc. (Company)
DATE OF REPORT: 7-15-73 WELL DRILLERS LICENSE NO. 51

WELL NUMBER

91

(For Driller's Use)

27a1

Form WR-59
Rev. 7-72

State of Vermont
DEPARTMENT OF WATER RESOURES

WELL COMPLETION REPORT

50
DO NOT FILL IN

(This report must be completed and submitted to the Department of Water Resources, State Office Building, Montpelier, Vermont 05602, no later than 60 days after completion of well. Complete or line out all blanks.)

WELL OWNER: Roger Lapre (Name) — North Clarendon, Vt. (Mailing Address)

TOWN IN WHICH WELL IS LOCATED: Wallingford, Vt

(Please locate well on a large scale map to accompany this report. Maps are available on request.)

DATE WELL WAS COMPLETED: 11/13/73

PROPOSED USE OF WELL: ☒ Domestic ☐ Agricultural ☐ Business Establishment ☐ Municipal ☐ Industrial ☐ Other (Specify)

DRILLING EQUIPMENT: ☐ Cable Tool ☐ Rotary ☐ Air Percussion ☐ Other (Specify)

TOTAL DEPTH OF WELL: 250 STATIC WATER LEVEL: 15

CASING DETAILS: Length 20 ft. Diameter 6 in. Material Steel
Weight 17 lb./ft.

SCREEN DETAILS: Make None Material Length ft.
Diameter in. Slot Size

METHOD OF SEALING CASING TO SCREEN OR BEDROCK:

FINAL YIELD TEST: ☐ Bailed, or ☐ Pumped, or ☒ Compressed Air
1 Hours at ? gallons per minute
Water level during yield test 250

WELL LOG

Depth From Ground Surface	Give description of formations penetrated, such as: peat, silt, sand, gravel, clay, hardpan, shale, limestone, granite, etc. Include size of gravel (diameter) and sand (fine, medium, coarse, color of material, structure (loose, packed, cemented, hard). For example: Surface to 27 ft. fine, packed, yellow sand; to 134 ft. gray granite.
Surface to 6 ft.	Hardpan
6 to 9 ft.	Coarse Gravel
9 to 250 ft.	Marble
to ft.	
to ft.	

YIELD TEST DATA IN G.P.M.
If yield was tested at different depth during drilling, List Below

160 ft.	?	G.P.M.
ft.		G.P.M.
ft.		G.P.M.

WATER ANALYSIS: Has water been analyzed? ☐ Yes ☒ No If Yes, Where
Include Analysis

DRILLED BY: Calvin Rabtoy — Calvin Rabtoy (Signature)

DOING BUSINESS AS: C. & E. Rabtoy (Company)

DATE OF REPORT: 1/2/74 WELL DRILLERS LICENSE NO. 41

5M 7-73

WELL NUMBER

95
(For Driller's Use)

27a1

Form WR-59
Rev. 7-72

State of Vermont
DEPARTMENT OF WATER RESOURES

WELL COMPLETION REPORT

51
DO NOT FILL IN

(This report must be completed and submitted to the Department of Water Resources, State Office Building, Montpelier, Vermont 05602, no later than 60 days after completion of well. Complete or line out all blanks.)

WELL OWNER 4 Roger Lepre (Name) North Clarendon, Vt. (Mailing Address)

TOWN IN WHICH WELL IS LOCATED: Wallingford, Vt

(Please locate well on a large scale map to accompany this report. Maps are available on request.)

DATE WELL WAS COMPLETED: 11/20/73

PROPOSED USE OF WELL: ☒ Domestic ☐ Agricultural ☐ Business Establishment ☐ Municipal ☐ Industrial ☐ Other (Specify)

DRILLING EQUIPMENT: ☐ Cable Tool ☒ Rotary ☐ Air Percussion ☐ Other (Specify)

TOTAL DEPTH OF WELL: 175 STATIC WATER LEVEL: 6 ft

CASING DETAILS: Length 20 ft. Diameter 6 in. Material Steel
Weight 17 lb./ft.

SCREEN DETAILS: Make None Material Length ft.
Diameter in. Slot Size

METHOD OF SEALING CASING TO SCREEN OR BEDROCK:

FINAL YIELD TEST: ☐ Bailed, or ☐ Pumped, or ☒ Compressed Air
5 1/2 Hours at 1 gallons per minute
Water level during yield test 175

WELL LOG

Depth From Ground Surface	Give description of formations penetrated, such as: peat, silt, sand, gravel, clay, hardpan, shale, limestone, granite, etc. Include size of gravel (diameter) and sand (fine, medium, coarse, color of material, structure (loose, packed, cemented, hard). For example: Surface to 27 ft. fine, packed, yellow sand; to 134 ft. gray granite.
Surface to 7 ft.	Fine Sand
7 to 10 ft.	Coarse gravel
10 to 175 ft.	Marble
to ft.	
to ft.	

YIELD TEST DATA IN G.P.M.
If yield was tested at different depth during drilling, List Below

90 ft.	4	G.P.M.
ft.		G.P.M.
ft.		G.P.M.

WATER ANALYSIS: Has water been analyzed? ☐ Yes ☒ No If Yes, Where
Include Analysis

DRILLED BY: Calvin Rabtoy [signature] Signature

DOING BUSINESS AS: C. & F. Rabto Company

DATE OF REPORT: 1/2/75 WELL DRILLERS LICENSE NO. 41

5M 7-73

WELL NUMBER

(For Driller's Use)

27a1

Form WR-59
Rev. 7-72

State of Vermont
DEPARTMENT OF WATER RESOURES

WELL COMPLETION REPORT

53

DO NOT FILL IN

(This report must be completed and submitted to the Department of Water Resources, State Office Building, Montpelier, Vermont 05602, no later than 60 days after completion of well. Complete or line out all blanks.)

WELL OWNER Mr. Fred Thurlow (Name) 12 School St. Wallingford, Vt. 05773 (Mailing Address)

TOWN IN WHICH WELL IS LOCATED: Wallingford

DATE WELL WAS COMPLETED: 10/25/1973

(Please locate well on a large scale map to accompany this report. Maps are available on request.)

PROPOSED USE OF WELL: ☒ Domestic ☐ Agricultural ☐ Business Establishment ☐ Municipal ☐ Industrial ☐ Other (Specify)

DRILLING EQUIPMENT: ☐ Cable Tool ☒ Rotary ☐ Air Percussion ☐ Other (Specify)

TOTAL DEPTH OF WELL: 297 STATIC WATER LEVEL: 20

CASING DETAILS: Length 20 ft. Diameter 6 in. Material Steel
Weight 19 lb./ft.

SCREEN DETAILS: Make Material Length ft.
Diameter in. Slot Size

METHOD OF SEALING CASING TO SCREEN OR BEDROCK: Drive shoe

FINAL YIELD TEST: ☐ Bailed, or ☐ Pumped, or ☒ Compressed Air
1 Hours at 10 gallons per minute
Water level during yield test

WELL LOG

Depth From Ground Surface	Give description of formations penetrated, such as: peat, silt, sand, gravel, clay, hardpan, shale, limestone, granite, etc. Include size of gravel (diameter) and sand (fine, medium, coarse, color of material, structure (loose, packed, cemented, hard). For example: Surface to 27 ft. fine, packed, yellow sand; to 134 ft. gray granite.
Surface to 7 ft.	Topsoil and sand
7 to 297 ft.	Rock changing frequently from granite to medium limestone to
to ft.	very hard flinty limestone and quartzite. A number of
to ft.	small veins of water with main flow between 280' &
to ft.	

YIELD TEST DATA IN G.P.M.
If yield was tested at different depth during drilling, List Below

280 ft.	10	G.P.M.
ft.		G.P.M.
ft.		G.P.M.

WATER ANALYSIS: Has water been analyzed? ☐ Yes ☐ No If Yes, Where
Include Analysis

DRILLED BY: Bill Esty

Alice Moyer Vice President
Signature

DOING BUSINESS AS: Ottauquechee Drilling Co., Inc,
Company

DATE OF REPORT: 12/12/1973 WELL DRILLERS LICENSE NO. 6

5M 7-73

WELL NUMBER

(For Driller's Use)

27a1

State of Vermont
DEPARTMENT OF WATER RESOURES
WELL COMPLETION REPORT

RECEIVED
Dept. of Water Resources

Form WR-59
Rev. 7-72

54

DO NOT FILL IN

(This report must be completed and submitted to the Department of Water Resources, State Office Building, Montpelier, Vermont 05602, no later than 60 days after completion of well. Complete or line out all blanks.)

WELL OWNER Charles Edmunds (Name) Church St. Extention (Mailing Address) Wallingford, Vt. 05773

TOWN IN WHICH WELL IS LOCATED: Wallingford

DATE WELL WAS COMPLETED: 12/10/1973

(Please locate well on a large scale map to accompany this report. Maps are available on request.)

PROPOSED USE OF WELL: ☒ Domestic ☐ Agricultural ☐ Business Establishment ☐ Municipal ☐ Industrial ☐ Other (Specify)

DRILLING EQUIPMENT: ☐ Cable Tool ☒ Rotary ☐ Air Percussion ☐ Other (Specify)

TOTAL DEPTH OF WELL: 197 STATIC WATER LEVEL:

CASING DETAILS: Length 41 ft. Diameter 6 in. Material Steel

Weight 19 lb./ft.

SCREEN DETAILS: Make Material Length ft.

Diameter in. Slot Size

METHOD OF SEALING CASING TO SCREEN OR BEDROCK: Drive shoe

FINAL YIELD TEST: ☐ Bailed, or ☐ Pumped, or ☒ Compressed Air

1 Hours at 4 gallons per minute

Water level during yield test

WELL LOG

Depth From Ground Surface	Give description of formations penetrated, such as: peat, silt, sand, gravel, clay, hardpan, shale, limestone, granite, etc. Include size of gravel (diameter) and sand (fine, medium, coarse, color of material, structure (loose, packed, cemented, hard). For example: Surface to 27 ft. fine, packed, yellow sand; to 134 ft. gray granite.
Surface to 29 ft.	Clay, sand and cobbles
29 to 155 ft.	Medium to hard marble
155 to 197 ft.	Hard marble. Broken porous areas; 65', 87' and 155'
to ft.	
to ft.	

YIELD TEST DATA IN G.P.M.
If yield was tested at different depth during drilling, List Below

180 ft. 4 G.P.M.

ft. G.P.M.

ft. G.P.M.

WATER ANALYSIS: Has water been analyzed? ☐ Yes ☐ No If Yes, Where Include Analysis

DRILLED BY: Robert Hayward

Alice Moyer Vice Pres.
Signature

DOING BUSINESS AS: Ottauquechee Drilling Co., Inc.
Company

DATE OF REPORT: 3/9/1979 WELL DRILLERS LICENSE NO. 6

5M 7-73

WELL NUMBER

99
(For Driller's Use)

27a1

Form WR-59
Rev. 7-72

#56

State of Vermont
DEPARTMENT OF WATER RESOURES

WELL COMPLETION REPORT

(This report must be completed and submitted to the Department of Water Resources, State Office Building, Montpelier, Vermont 05602, no later than 60 days after completion of well. Complete or line out all blanks.)

MAR 28 1974
Dept. of Water Resources

DO NOT FILL IN

WELL OWNER Mr. Gerald Roberts. Wallingford, Vt
Name — Mailing Address

TOWN IN WHICH WELL IS LOCATED: Wallingford, Vt

(Please locate well on a large scale map to accompany this report. Maps are available on request.)

DATE WELL WAS COMPLETED: 3/14/74

PROPOSED USE OF WELL: ☒ Domestic ☐ Agricultural ☐ Business Establishment ☐ Municipal ☐ Industrial ☐ Other (Specify)

DRILLING EQUIPMENT: ☐ Cable Tool ☒ Rotary ☐ Air Percussion ☐ Other (Specify)

TOTAL DEPTH OF WELL: 190 STATIC WATER LEVEL: 6 ft

CASING DETAILS: Length 20 ft ft. Diameter 6 in. Material Steel
Weight 17 lb./ft.

SCREEN DETAILS: Make None Material Length ft.
Diameter in. Slot Size

METHOD OF SEALING CASING TO SCREEN OR BEDROCK:

FINAL YIELD TEST: ☐ Bailed, or ☐ Pumped, or ☒ Compressed Air
5½ Hours at 2½ gallons per minute
Water level during yield test 190

WELL LOG

Depth From Ground Surface	Give description of formations penetrated, such as: peat, silt, sand, gravel, clay, hardpan, shale, limestone, granite, etc. Include size of gravel (diameter) and sand (fine, medium, coarse, color of material, structure (loose, packed, cemented, hard). For example: Surface to 27 ft. fine, packed, yellow sand; to 134 ft. gray granite.
Surface to 2 ft.	Loom
2 to 4 ft.	Brown Clay
4 to 190 ft.	Marble
to ft.	
to ft.	

YIELD TEST DATA IN G.P.M.
If yield was tested at different depth during drilling, List Below

30 ft.	½	G.P.M.
ft.		G.P.M.
ft.		G.P.M.

WATER ANALYSIS: Has water been analyzed? ☐ Yes ☒ No If Yes, Where
Include Analysis

DRILLED BY: Calvin Rabtoy

Calvin Rabtoy
Signature

DOING BUSINESS AS: C. & F. Rabtoy
Company

DATE OF REPORT: 2/2/74 WELL DRILLERS LICENSE NO. 41

5M 7-73

WELL NUMBER

100

(For Driller's Use)

27a1

Form WR-59
Rev. 7-72

State of Vermont
DEPARTMENT OF WATER RESOURES
WELL COMPLETION REPORT

#57

DO NOT FILL IN

(This report must be completed and submitted to the Department of Water Resources, State Office Building, Montpelier, Vermont 05602, no later than 60 days after completion of well. Complete or line out all blanks.)

RECEIVED
MAY 28 1974
Dept. of Water Resources

WELL OWNER John Blanchard Re-Mr Powers (Name) Wallingford, Vt. (Mailing Address)

TOWN IN WHICH WELL IS LOCATED: Wallingford, Vt

(Please locate well on a large scale map to accompany this report. Maps are available on request.)

DATE WELL WAS COMPLETED: 4/5/74

PROPOSED USE OF WELL: ☒ Domestic ☐ Agricultural ☐ Business Establishment ☐ Municipal ☐ Industrial ☐ Other (Specify)

DRILLING EQUIPMENT: ☐ Cable Tool ☒ Rotary ☐ Air Percussion ☐ Other (Specify)

TOTAL DEPTH OF WELL: 141 STATIC WATER LEVEL: overflow 10 gpm

CASING DETAILS: Length 141 ft. Diameter 6 in. Material steel Weight 17 lb./ft.

SCREEN DETAILS: Make None Material Length ft. Diameter in. Slot Size

METHOD OF SEALING CASING TO SCREEN OR BEDROCK:

FINAL YIELD TEST: ☐ Bailed, or ☐ Pumped, or ☒ Compressed Air 2 Hours at 30 gallons per minute

Water level during yield test 141

WELL LOG

Depth From Ground Surface	Give description of formations penetrated, such as: peat, silt, sand, gravel, clay, hardpan, shale, limestone, granite, etc. Include size of gravel (diameter) and sand (fine, medium, coarse, color of material, structure (loose, packed, cemented, hard). For example: Surface to 27 ft. fine, packed, yellow sand; to 134 ft. gray granite.
Surface to 2 ft.	Loam
2 to 20 ft.	Hardpan
20 to 30 ft.	Coarse gravel
30 to 135 ft.	Red clay
135 to 141 ft.	Marble

YIELD TEST DATA IN G.P.M.
If yield was tested at different depth during drilling, List Below

ft.	G.P.M.
ft.	G.P.M.
ft.	G.P.M.

WATER ANALYSIS: Has water been analyzed? ☐ Yes ☒ No If Yes, Where
Include Analysis

DRILLED BY: Calvin Rabtoy Calvin Rabtoy (Signature)

DOING BUSINESS AS: C. & E. Rabtoy (Company)

DATE OF REPORT: 5/25/74 WELL DRILLERS LICENSE NO. 41

5M 7-73

WELL NUMBER

102
(For Driller's Use)

27a1

Form WR-59
Rev. 7-72

State of Vermont
DEPARTMENT OF WATER RESOURES

WELL COMPLETION REPORT

#59

RECEIVED
MAY 24 1974
Dept. of Water Resources

(This report must be completed and submitted to the Department of Water Resources, State Office Building, Montpelier, Vermont 05602, no later than 60 days after completion of well. Complete or line out all blanks.)

DO NOT FILL IN

WELL OWNER Mr. Robert Morel (Name) 113 Gibson Ave Rutland, Vt (Mailing Address)

TOWN IN WHICH WELL IS LOCATED: Wallingford, Vt

(Please locate well on a large scale map to accompany this report. Maps are available on request.)

DATE WELL WAS COMPLETED: 4/22/74

PROPOSED USE OF WELL: ☒ Domestic ☐ Agricultural ☐ Business Establishment ☐ Municipal ☐ Industrial ☐ Other (Specify)

DRILLING EQUIPMENT: ☐ Cable Tool ☒ Rotary ☐ Air Percussion ☐ Other (Specify)

TOTAL DEPTH OF WELL: 204 ft STATIC WATER LEVEL: 10 ft

CASING DETAILS: Length 20 ft. Diameter 2 in. Material Steel
Weight 17 lb./ft.

SCREEN DETAILS: Make None Material Length ft.
Diameter in. Slot Size

METHOD OF SEALING CASING TO SCREEN OR BEDROCK:

FINAL YIELD TEST: ☐ Bailed, or ☐ Pumped, or ☒ Compressed Air
1½ Hours at 12 gallons per minute
Water level during yield test 204

WELL LOG

Depth From Ground Surface	Give description of formations penetrated, such as: peat, silt, sand, gravel, clay, hardpan, shale, limestone, granite, etc. Include size of gravel (diameter) and sand (fine, medium, coarse, color of material, structure (loose, packed, cemented, hard). For example: Surface to 27 ft. fine, packed, yellow sand; to 134 ft. gray granite.
Surface to 2 ft.	Loam
2 to 204 ft.	Marble
to ft.	
to ft.	
to ft.	

YIELD TEST DATA IN G.P.M.
If yield was tested at different depth during drilling, List Below

50 ft.	1	G.P.M.
187 ft.	11	G.P.M.
ft.		G.P.M.

WATER ANALYSIS: Has water been analyzed? ☐ Yes ☒ No If Yes, Where
Include Analysis

DRILLED BY: Calvin Rabtoy — Calvin Rabtoy (Signature)

DOING BUSINESS AS: C. & F. Rabtoy (Company)

DATE OF REPORT: 5/23/74 WELL DRILLERS LICENSE NO. 41

5M 7-73

WELL NUMBER

105
(For Driller's Use)

2721

Form WR-59
Rev. 7-72

#60

State of Vermont
DEPARTMENT OF WATER RESOURES

WELL COMPLETION REPORT

(This report must be completed and submitted to the Department of Water Resources, State Office Building, Montpelier, Vermont 05602, no later than 60 days after completion of well. Complete or line out all blanks.)

DO NOT FILL IN

WELL OWNER: Mr William Blanchard (Name) Wallingford, Vt (Mailing Address)

TOWN IN WHICH WELL IS LOCATED: Wallingford, Vt

(Please locate well on a large scale map to accompany this report. Maps are available on request.)

DATE WELL WAS COMPLETED: 5/21/74

PROPOSED USE OF WELL: ☒ Domestic ☐ Agricultural ☐ Business Establishment ☐ Municipal ☐ Industrial ☐ Other (Specify)

DRILLING EQUIPMENT: ☐ Cable Tool ☒ Rotary ☐ Air Percussion ☐ Other (Specify)

TOTAL DEPTH OF WELL: 126 STATIC WATER LEVEL: 60

CASING DETAILS: Length 70 ft. Diameter 6 in. Material Steel
Weight 17 lb./ft.

SCREEN DETAILS: Make None Material Length ft.
Diameter in. Slot Size

METHOD OF SEALING CASING TO SCREEN OR BEDROCK:

FINAL YIELD TEST: ☐ Bailed, or ☐ Pumped, or ☒ Compressed Air
1½ Hours at 1 gallons per minute
Water level during yield test 126

WELL LOG

Depth From Ground Surface	Give description of formations penetrated, such as: peat, silt, sand, gravel, clay, hardpan, shale, limestone, granite, etc. Include size of gravel (diameter) and sand (fine, medium, coarse, color of material, structure (loose, packed, cemented, hard). For example: Surface to 27 ft. fine, packed, yellow sand; to 134 ft. gray granite.
Surface to 2 ft.	Loam
2 to 20 ft.	Hardpan
20 to 25 ft.	Gravel
25 to 65 ft.	Hardpan
65 to 126 ft.	Quartz

YIELD TEST DATA IN G.P.M.
If yield was tested at different depth during drilling, List Below

80 ft.	1	G.P.M.
ft.		G.P.M.
ft.		G.P.M.

WATER ANALYSIS: Has water been analyzed? ☐ Yes ☒ No If Yes, Where
Include Analysis

DRILLED BY: Calvin Rabtoy Calvin Rabtoy (Signature)

DOING BUSINESS AS: C. & F. Rabtoy (Company)

DATE OF REPORT: 5/23/74 WELL DRILLERS LICENSE NO. 41

5M 7-73

WELL NUMBER

110

(For Driller's Use)

2721

Form WR-59
Rev. 7-72

State of Vermont
DEPARTMENT OF WATER RESOURES

WELL COMPLETION REPORT

(This report must be completed and submitted to the Department of Water Resources, State Office Building, Montpelier, Vermont 05602, no later than 60 days after completion of well. Complete or line out all blanks.)

RECEIVED
SEP 6 1974
Dept. of Water Resources

DO NOT FILL IN

WELL OWNER: Roger Lapre (Name) — No. Clarendon, Vt (Mailing Address)

TOWN IN WHICH WELL IS LOCATED: Wallingford, Vt

(Please locate well on a large scale map to accompany this report. Maps are available on request.)

DATE WELL WAS COMPLETED: 7/25/74

PROPOSED USE OF WELL: ☒ Domestic ☐ Agricultural ☐ Business Establishment ☐ Municipal ☐ Industrial ☐ Other (Specify)

DRILLING EQUIPMENT: ☐ Cable Tool ☒ Rotary ☐ Air Percussion ☐ Other (Specify)

TOTAL DEPTH OF WELL: 250 ft STATIC WATER LEVEL: 20 ft

CASING DETAILS: Length 15 ft. Diameter 6 in. Material steel
Weight 17 lb./ft.

SCREEN DETAILS: Make none Material Length ft.
Diameter in. Slot Size

METHOD OF SEALING CASING TO SCREEN OR BEDROCK:

FINAL YIELD TEST: ☐ Bailed, or ☐ Pumped, or ☒ Compressed Air
1½ Hours at 1.75 gallons per minute
Water level during yield test 250 ft

WELL LOG

Depth From Ground Surface	Give description of formations penetrated, such as: peat, silt, sand, gravel, clay, hardpan, shale, limestone, granite, etc. Include size of gravel (diameter) and sand (fine, medium, coarse, color of material, structure (loose, packed, cemented, hard). For example: Surface to 27 ft. fine, packed, yellow sand; to 134 ft. gray granite.
Surface to 4 ft.	Hardpan
4 to 250 ft.	Marble
to ft.	
to ft.	
to ft.	

YIELD TEST DATA IN G.P.M.
If yield was tested at different depth during drilling, List Below

55 ft.	7	G.P.M.
225 ft.	1½	G.P.M.
ft.		G.P.M.

WATER ANALYSIS: Has water been analyzed? ☐ Yes ☒ No If Yes, Where
Include Analysis

DRILLED BY: Calvin Rabtoy — Calvin Rabtoy (Signature)

DOING BUSINESS AS: C. A. T. Rabtoy (Company)

DATE OF REPORT: 8/26/74 WELL DRILLERS LICENSE NO. 41

5M 7-73

WELL NUMBER 27a1

(For Driller's Use)

Form WR-59
Rev. 7-72

State of Vermont
DEPARTMENT OF WATER RESOURES
WELL COMPLETION REPORT

RECEIVED
Dept. of Water Resources

(This report must be completed and submitted to the Department of Water Resources, State Office Building, Montpelier, Vermont 05602, no later than 60 days after completion of well. Complete or line out all blanks.)

DO NOT FILL IN

WELL OWNER William Moritz (Name) Wallingford (Mailing Address)

TOWN IN WHICH WELL IS LOCATED: Wallingford

(Please locate well on a large scale map to accompany this report. Maps are available on request.)

DATE WELL WAS COMPLETED: 11-6-74

PROPOSED USE OF WELL: ☑ Domestic ☐ Agricultural ☐ Business Establishment ☐ Municipal ☐ Industrial ☐ Other (Specify)

DRILLING EQUIPMENT: ☐ Cable Tool ☐ Rotary ☐ Air Percussion ☐ Other (Specify)

TOTAL DEPTH OF WELL: 85 STATIC WATER LEVEL: 10

CASING DETAILS: Length 65 ft. Diameter 6 in. Material Steel
Weight 19-45 lb./ft.

SCREEN DETAILS: Make Material Length ft.
Diameter in. Slot Size

METHOD OF SEALING CASING TO ~~SCREEN OR~~ BEDROCK: 15' of 5 3/4" hole in Rock

FINAL YIELD TEST: ☐ Bailed, or ☐ Pumped, or ☐ Compressed Air
5 Hours at 5 gallons per minute
Water level during yield test 70

WELL LOG

Depth From Ground Surface	Give description of formations penetrated, such as: peat, silt, sand, gravel, clay, hardpan, shale, limestone, granite, etc. Include size of gravel (diameter) and sand (fine, medium, coarse, color of material, structure (loose, packed, cemented, hard). For example: Surface to 27 ft. fine, packed, yellow sand; to 134 ft. gray granite.
Surface to 50 ft.	Boulders & Gravel
to ft.	
to ft.	
to ft.	
50 to 85 ft.	Limestone

YIELD TEST DATA IN G.P.M.
If yield was tested at different depth during drilling, List Below

ft.	G.P.M.
ft.	G.P.M.
ft.	G.P.M.

WATER ANALYSIS: Has water been analyzed? ☐ Yes ☐ No If Yes, Where
Include Analysis

DRILLED BY: Pete Rotti mgr
Signature

DOING BUSINESS AS: A & W Artesian Wells of N. Inc Mass.
Company

DATE OF REPORT: Dec 1974 WELL DRILLERS LICENSE NO. 16

5M 7-73

WELL NUMBER
1975-30
(For Driller's Use)

27a-1

Form WR-59
Rev. 7-22

State of Vermont
DEPARTMENT OF WATER RESOURCES
WELL COMPLETION REPORT

RECEIVED
AUG - 6 1975
Dept. of Water Resources

(This report must be completed and submitted to the Department of Water Resources, State Office Building, Montpelier, Vermont 05602, no later than 60 days after completion of well. Complete or line out all blanks.)

DO NOT FILL IN
NO. 71

WELL OWNER Milo Rockwell (Name) Westview Rd. RD #1 Wallingford, Vt (Mailing Address)

TOWN IN WHICH WELL IS LOCATED: Wallingford

(Please locate well on a large scale map to accompany this report. Maps are available on request.)

DATE WELL WAS COMPLETED: 7-31-75

PROPOSED USE OF WELL: ☒ Domestic ☐ Agricultural ☐ Business Establishment ☐ Municipal ☐ Industrial ☐ Other (Specify)

DRILLING EQUIPMENT: ☐ Cable Tool ☒ Rotary ☐ Air Percussion ☐ Other (Specify)

TOTAL DEPTH OF WELL: 145 STATIC WATER

CASING DETAILS: Length 46 ft. Diameter 6 in. Material Steel
Weight 19.45 lb./ft.

SCREEN DETAILS: Make — Material — Length — ft.
Diameter — in. Slot Size —

METHOD OF SEALING CASING TO SCREEN OR BEDROCK: Coupling

FINAL YIELD TEST: ☐ Bailed, or ☐ Pumped, or ☒ Compressed Air
1 Hours at 4 gallons per minute
Water level during yield test

WELL LOG

Depth From Ground Surface	Give description of formations penetrated, such as: peat, silt, sand, gravel, clay, hardpan, shale, limestone, granite, etc. Include size of gravel (diameter) and sand (fine, medium, coarse, color of material, structure (loose, packed, cemented, hard). For example: Surface to 27 ft. fine, packed, yellow sand; to 134 ft. gray granite.
Surface to 25 ft.	Glacial Till
25 to 145 ft.	Dolomite or Marble
to ft.	
to ft.	
to ft.	

YIELD TEST DATA IN G.P.M.
If yield was tested at different depth during drilling, List Below

100 ft.	1½ G.P.M.
ft.	G.P.M.
ft.	G.P.M.

WATER ANALYSIS: Has water been analyzed? ☐ Yes ☒ No If Yes, Where
Include Analysis

DRILLED BY: Raymond L. Fenwick Jr. (Signature)

DOING BUSINESS AS: Green Mt. Drilling Co., Inc (Company)

DATE OF REPORT: 8-3-75 WELL DRILLERS LICENSE NO. 51

5M 12-73

WELL NUMBER
1975-41
(For Driller's Use)

2721

Form WR-59
Rev. 7-22

State of Vermont
DEPARTMENT OF WATER RESOURCES

WELL COMPLETION REPORT

(This report must be completed and submitted to the Department of Water Resources, State Office Building, Montpelier, Vermont 05602, no later than 60 days after completion of well. Complete or line out all blanks.)

OCT 8 1975

DO NOT FILL IN
#73

WELL OWNER: George Dupree (Name) Box 218 Wallingford, Vt. (Mailing Address)

TOWN IN WHICH WELL IS LOCATED: Wallingford

(Please locate well on a large scale map to accompany this report. Maps are available on request.)

DATE WELL WAS COMPLETED: 9-30-75

PROPOSED USE OF WELL: ☒ Domestic ☐ Agricultural ☐ Business Establishment ☐ Municipal ☐ Industrial ☐ Other (Specify)

DRILLING EQUIPMENT: ☐ Cable Tool ☒ Rotary ☐ Air Percussion ☐ Other (Specify)

TOTAL DEPTH OF WELL: 205 STATIC WATER Overflow ½ G.P.M.

CASING DETAILS: Length 81 ft. Diameter 6 in. Material Steel
Weight 19.45 lb./ft.

SCREEN DETAILS: Make — Material — Length — ft.
Diameter — in. Slot Size —

METHOD OF SEALING CASING TO SCREEN OR BEDROCK: Coupling

FINAL YIELD TEST: ☐ Bailed, or ☐ Pumped, or ☒ Compressed Air
1 Hours at 3 gallons per minute
Water level during yield test

WELL LOG

Depth From Ground Surface	Give description of formations penetrated, such as: peat, silt, sand, gravel, clay, hardpan, shale, limestone, granite, etc. Include size of gravel (diameter) and sand (fine, medium, coarse, color of material, structure (loose, packed, cemented, hard). For example: Surface to 27 ft. fine, packed, yellow sand; to 134 ft. gray granite.
Surface to 67 ft.	Glacial Till
67 to 205 ft.	Marble
to ft.	
to ft.	
to ft.	

	YIELD TEST DATA IN G.P.M. If yield was tested at different depth during drilling, List Below
175 ft.	2 G.P.M.
ft.	G.P.M.
ft.	G.P.M.

WATER ANALYSIS: Has water been analyzed? ☐ Yes ☒ No If Yes, Where
Include Analysis

DRILLED BY: Raymond L. Leonard Jr. (Signature)

DOING BUSINESS AS: Green Mt. Drilling Co., Inc. (Company)

DATE OF REPORT: 10-2-75 WELL DRILLERS LICENSE NO. 51

5M 12-73

WELL NUMBER 2

(For Driller's Use)

2721

Form WR-59
Rev. 7-72

State of Vermont
DEPARTMENT OF WATER RESOURCES

WELL COMPLETION REPORT

(This report must be completed and submitted to the Department of Water Resources, State Office Building, Montpelier, Vermont 05602, no later than 60 days after completion of well. Complete or line out all blanks.)

NOV 17 1975

DO NOT FILL IN
#74

WELL OWNER Mrs B. Savery
Name Mailing Address

TOWN IN WHICH WELL IS LOCATED: Wallingford

(Please locate well on a large scale map to accompany this report. Maps are available on request.)

DATE WELL WAS COMPLETED: Aug. 26 75

PROPOSED USE OF WELL: ☒ Domestic ☐ Agricultural ☐ Business Establishment ☐ Municipal ☐ Industrial ☐ Other (Specify)

DRILLING EQUIPMENT: ☒ Cable Tool ☐ Rotary ☐ Air Percussion ☐ Other (Specify)

TOTAL DEPTH OF WELL: 136' STATIC WATER LEVEL: 26'

CASING DETAILS: Length 31 ft. Diameter 6 in. Material Steel
Weight 17 lb./ft.

SCREEN DETAILS: Make Material Length ft.
Diameter in. Slot Size

METHOD OF SEALING CASING TO SCREEN OR BEDROCK: Drilled in Rock with 8"

FINAL YIELD TEST: ☒ Bailed, or ☐ Pumped, or ☐ Compressed Air
2 Hours at 10 gallons per minute
Water level during yield test

WELL LOG

Depth From Ground Surface	Give description of formations penetrated, such as: peat, silt, sand, gravel, clay, hardpan, shale, limestone, granite, etc. Include size of gravel (diameter) and sand (fine, medium, coarse, color of material, structure (loose, packed, cemented, hard). For example: Surface to 27 ft. fine, packed, yellow sand; to 134 ft. gray granite.
Surface to 0 ft.	26 sandy clay with some big stone
26 to 28 ft.	Gravel No top Rock
28 to 136 ft.	Rock
to ft.	
to ft.	

YIELD TEST DATA IN G.P.M.
If yield was tested at different depth during drilling, List Below

ft. G.P.M.
ft. G.P.M.
ft. G.P.M.

WATER ANALYSIS: Has water been analyzed? ☐ Yes ☒ No If Yes, Where
Include Analysis

DRILLED BY: Chester Rabtoy Chester Rabtoy
Signature

DOING BUSINESS AS: Same as above
Company

DATE OF REPORT: 8-26-75 WELL DRILLERS LICENSE NO. 122

WELL NUMBER ~~122~~ 1
(For Driller's Use)

27a1

Form WR-59
Rev. 7-72

State of Vermont
DEPARTMENT OF WATER RESOURCES

WELL COMPLETION REPORT

(This report must be completed and submitted to the Department of Water Resources, State Office Building, Montpelier, Vermont 05602, no later than ~~35~~ 60 days after completion of well. Complete or line out all blanks.)

NOV 17 1975

DO NOT FILL IN
#75

WELL OWNER William Coates (Name) Wallingford Vt 05773 (Mailing Address)

TOWN IN WHICH WELL IS LOCATED: Wallingford

DATE WELL WAS COMPLETED: August 16, 1975

(Please locate well on a large scale map to accompany this report. Maps are available on request.)

PROPOSED USE OF WELL: ☒ Domestic ☐ Agricultural ☐ Business Establishment ☐ Municipal ☐ Industrial ☐ Other (Specify)

DRILLING EQUIPMENT: ☒ Cable Tool ☐ Rotary ☐ Air Percussion ☐ Other (Specify)

TOTAL DEPTH OF WELL: 131' STATIC WATER LEVEL: 10'

CASING DETAILS: Length 33 ft. Diameter 6 in. Material Steel
Weight 17 lb./ft.

SCREEN DETAILS: Make Material Length ft.
Diameter in. Slot Size

METHOD OF SEALING CASING TO SCREEN OR BEDROCK: Drilled into ledge with 8'

FINAL YIELD TEST: ☒ Bailed, or ☐ Pumped, or ☐ Compressed Air
Hours at 6 gallons per minute
Water level during yield test

WELL LOG

Depth From Ground Surface	Give description of formations penetrated, such as: peat, silt, sand, gravel, clay, hardpan, shale, limestone, granite, etc. Include size of gravel (diameter) and sand (fine, medium, coarse, color of material, structure (loose, packed, cemented, hard). For example: Surface to 27 ft. fine, packed, yellow sand; to 134 ft. gray granite.
Surface to 10 ft.	Gravel
10 to 26 ft.	Clay & hard pan mixed
26 to 28 ft.	Sand & gravel (at 28 ft hit bedrock)
28 to 131 ft.	poor grade Marble
to ft.	

YIELD TEST DATA IN G.P.M.
If yield was tested at different depth during drilling, List Below

ft. G.P.M.
ft. G.P.M.
ft. G.P.M.

WATER ANALYSIS: Has water been analyzed? ☐ Yes ☐ No If Yes, Where
Include Analysis

DRILLED BY: Chester Rabtoy Chester Rabtoy (Signature)
DOING BUSINESS AS: Same as above (Company)
DATE OF REPORT: 8/20/75 WELL DRILLERS LICENSE NO. 122

WELL NUMBER
132
(For Driller's Use)

2701

Form WR-59
Rev. 7-72

State of Vermont
DEPARTMENT OF WATER RESOURES

WELL COMPLETION REPORT

(This report must be completed and submitted to the Department of Water Resources, State Office Building, Montpelier, Vermont 05602, no later than 60 days after completion of well. Complete or line out all blanks.)

FEB 25 1976

DO NOT FILL IN
#76

WELL OWNER MR. ROGER LAPRE AIRPORT RD. No. CLARENDON, VT 05759
Name — Mailing Address

TOWN IN WHICH WELL IS LOCATED: WALLINGFORD VT.

(Please locate well on a large scale map to accompany this report. Maps are available on request.)

DATE WELL WAS COMPLETED: 10-23-75

PROPOSED USE OF WELL: ☒ Domestic ☐ Agricultural ☐ Business Establishment ☐ Municipal ☐ Industrial ☐ Other (Specify)

DRILLING EQUIPMENT: ☒ Cable Tool ☐ Rotary ☐ Air Percussion ☐ Other (Specify)

TOTAL DEPTH OF WELL: 197 STATIC WATER LEVEL: 24 ft

CASING DETAILS: Length 15 ft. Diameter 6 in. Material STEEL
Weight 17 lb./ft.

SCREEN DETAILS: Make NONE Material Length ft.
Diameter in. Slot Size

METHOD OF SEALING CASING TO SCREEN OR BEDROCK:

FINAL YIELD TEST: ☒ Bailed, or ☐ Pumped, or ☐ Compressed Air
4 1/4 Hours at ~~4~~ 30 gallons per minute
Water level during yield test 197

WELL LOG

Depth From Ground Surface	Give description of formations penetrated, such as: peat, silt, sand, gravel, clay, hardpan, shale, limestone, granite, etc. Include size of gravel (diameter) and sand (fine, medium, coarse, color of material, structure (loose, packed, cemented, hard). For example: Surface to 27 ft. fine, packed, yellow sand; to 134 ft. gray granite.
Surface to 4 ft.	fill
4 to 10 ft.	HARD PAN
10 to 197 ft.	LIME STONE
to ft.	
to ft.	

YIELD TEST DATA IN G.P.M.
If yield was tested at different depth during drilling, List Below

50 ft.	10 G.P.H.	~~G.P.M.~~
ft.		G.P.M.
ft.		G.P.M.

WATER ANALYSIS: Has water been analyzed? ☐ Yes ☒ No If Yes, Where
Include Analysis

DRILLED BY: CALVIN RABTOY Calvin Rabtoy
Signature

DOING BUSINESS AS: C. RABTOY WELL DRILLING
Company

DATE OF REPORT: 1-6-76 WELL DRILLERS LICENSE NO. 41

5M 7-73

WELL NUMBER

(For Driller's Use)

27a1

Form WR-59
Rev. 7-22

State of Vermont
DEPARTMENT OF WATER RESOURCES

WELL COMPLETION REPORT

(This report must be completed and submitted to the Department of Water Resources, State Office Building, Montpelier, Vermont 05602, no later than 60 days after completion of well. Complete or line out all blanks.)

MAY 11 1976

DO NOT FILL IN

WELL OWNER Rumrill (Name) Clarendon (Mailing Address)

TOWN IN WHICH WELL IS LOCATED: No-Clarendon (Mallinsford)

(Please locate well on a large scale map to accompany this report. Maps are available on request.)

DATE WELL WAS COMPLETED:

PROPOSED USE OF WELL: ☑ Domestic ☐ Agricultural ☐ Business Establishment ☐ Municipal ☐ Industrial ☐ Other (Specify)

DRILLING EQUIPMENT: ☐ Cable Tool ☑ Rotary ☐ Air Percussion ☐ Other (Specify)

TOTAL DEPTH OF WELL: 95 STATIC WATER 20

CASING DETAILS: Length 90 ft. Diameter 6 in. Material Steel
Weight 19.45 lb./ft.

SCREEN DETAILS: Make Material Length ft.
Diameter in. Slot Size

METHOD OF SEALING CASING TO ~~SCREEN OR BED~~ROCK: 8' in Gravel

FINAL YIELD TEST: ☐ Bailed, or ☐ Pumped, or ☑ Compressed Air
2 Hours at 25 gallons per minute
Water level during yield test 80

WELL LOG

Depth From Ground Surface

Give description of formations penetrated, such as: peat, silt, sand, gravel, clay, hardpan, shale, limestone, granite, etc. Include size of gravel (diameter) and sand (fine, medium, coarse, color of material, structure (loose, packed, cemented, hard). For example: Surface to 27 ft. fine, packed, yellow sand; to 134 ft. gray granite.

Surface to 85 ft. Conglemarate of Boulders Hardpan - Gravel Mixed
to ft.
to ft.
to ft.
to 95 ft. Gravel Clean

YIELD TEST DATA IN G.P.M.
If yield was tested at different depth during drilling, List Below

ft. G.P.M.
ft. G.P.M.
ft. G.P.M.

WATER ANALYSIS: Has water been analyzed? ☐ Yes ☐ No If Yes, Where Include Analysis

DRILLED BY: H&W [signature] Signature

DOING BUSINESS AS: H&W Artesian Well Co. of Vt. Inc. Man Company

DATE OF REPORT: May WELL DRILLERS LICENSE NO. 16

5M 12-73

WELL NUMBER 1976-34
(For Driller's Use)

2721

Form WR-59
Rev. 7-22

State of Vermont
DEPARTMENT OF WATER RESOURCES

WELL COMPLETION REPORT

(This report must be completed and submitted to the Department of Water Resources, State Office Building, Montpelier, Vermont 05602, no later than 60 days after completion of well. Complete or line out all blanks.)

DO NOT FILL IN
#79

SEP 7 1976

WELL OWNER: GORDON LEWIS (Name) WEST END DRIVE MALLINGFORD, VT (Mailing Address)

TOWN IN WHICH WELL IS LOCATED: MALLINGFORD

(Please locate well on a large scale map to accompany this report. Maps are available on request.)

DATE WELL WAS COMPLETED: 8-9-76

PROPOSED USE OF WELL: [X] Domestic [ ] Agricultural [ ] Business Establishment [ ] Municipal [ ] Industrial [ ] Other (Specify)

DRILLING EQUIPMENT: [ ] Cable Tool [X] Rotary [ ] Air Percussion [ ] Other (Specify)

TOTAL DEPTH OF WELL: 205 STATIC WATER 5

CASING DETAILS: Length 29 ft. Diameter 6 in. Material STEEL
Weight 19.45 lb./ft.

SCREEN DETAILS: Make — Material — Length — ft.
Diameter — in. Slot Size —

METHOD OF SEALING CASING TO SCREEN OR BEDROCK: Compressing

FINAL YIELD TEST: [ ] Bailed, or [ ] Pumped, or [X] Compressed Air
1 Hours at 1½ gallons per minute
Water level during yield test

WELL LOG

Depth From Ground Surface	Give description of formations penetrated, such as: peat, silt, sand, gravel, clay, hardpan, shale, limestone, granite, etc. Include size of gravel (diameter) and sand (fine, medium, coarse, color of material, structure (loose, packed, cemented, hard). For example: Surface to 27 ft. fine, packed, yellow sand; to 134 ft. gray granite.
Surface to 15 ft.	SAND
15 to 205 ft.	MARBLE
to ft.	
to ft.	
to ft.	

YIELD TEST DATA IN G.P.M.
If yield was tested at different depth during drilling, List Below

ft.	G.P.M.
ft.	G.P.M.
ft.	G.P.M.

WATER ANALYSIS: Has water been analyzed? [ ] Yes [X] No If Yes, Where
Include Analysis

DRILLED BY: Raymond L. Tennell Jr. (Signature)

DOING BUSINESS AS: GREEN MT. DRILLING CO., INC. (Company)

DATE OF REPORT: 8-14-76 WELL DRILLERS LICENSE NO. 57

5M 12-73

WELL NUMBER

(For Driller's Use)

2Ta1

Form WR-59
Rev. 7-22

State of Vermont
DEPARTMENT OF WATER RESOURCES

WELL COMPLETION REPORT

(This report must be completed and submitted to the Department of Water Resources, State Office Building, Montpelier, Vermont 05602, no later than 60 days after completion of well. Complete or line out all blanks.)

. 1977

DO NOT FILL IN
88

WELL OWNER Mr. Ernest Lidstone (Name) Pine Drive Wallingford, Vt. 05773 (Mailing Address)

TOWN IN WHICH WELL IS LOCATED: Wallingford

(Please locate well on a large scale map to accompany this report. Maps are available on request.)

DATE WELL WAS COMPLETED: 7/9/1977

PROPOSED USE OF WELL: ☒ Domestic ☐ Agricultural ☐ Business Establishment ☐ Municipal ☐ Industrial ☐ Other (Specify)

DRILLING EQUIPMENT: ☐ Cable Tool ☒ Rotary ☐ Air Percussion ☐ Other (Specify)

TOTAL DEPTH OF WELL: 297 STATIC WATER 6

CASING DETAILS: Length 21 ft. Diameter 6 in. Material Steel
Weight 19:45 lb./ft.

SCREEN DETAILS: Make Material Length ft.
Diameter in. Slot Size

METHOD OF SEALING CASING TO SCREEN OR BEDROCK: Drive shoe

FINAL YIELD TEST: ☐ Bailed, or ☐ Pumped, or ☒ Compressed Air
1 Hours at ½ gallons per minute
Water level during yield test

WELL LOG

Depth From Ground Surface

Give description of formations penetrated, such as: peat, silt, sand, gravel, clay, hardpan, shale, limestone, granite, etc. Include size of gravel (diameter) and sand (fine, medium, coarse, color of material, structure (loose, packed, cemented, hard). For example: Surface to 27 ft. fine, packed, yellow sand; 27 ft. to 134 ft. gray granite.

Surface to 4 ft. Clay

4 to 297 ft. Soft and medium hard schist, brown and black in color

to ft. Soft broken areas: 100' to 102' and 260'

to ft.

YIELD TEST DATA IN G.P.M.
If yield was tested at different depths during drilling, List Below

½ G.P.M. @ 280 ft.	G.P.M. @ ft.
G.P.M. @ ft.	G.P.M. @ ft.

WATER ANALYSIS: Has water been analyzed? ☐ Yes ☐ No If Yes, Where
Include Analysis

DRILLED BY: Geprge Spear and Bob Hayward Alec Moyer, Vice President (Signature)

DOING BUSINESS AS: Ottauquechee Drilling Co., Inc. (Company)

DATE OF REPORT: 10/29/1977 WELL DRILLERS LICENSE NO. 6

5M 6-76

WELL NUMBER

(For Driller's Use)

27a.1

Form WR-59
Rev. 7-22

State of Vermont
DEPARTMENT OF WATER RESOURCES

WELL COMPLETION REPORT

(This report must be completed and submitted to the Department of Water Resources, State Office Building, Montpelier, Vermont 05602, no later than 60 days after completion of well. Complete or line out all blanks.)

DO NOT FILL IN
97

AUG 17 1978

WELL OWNER Mr. Thomas Ryan (Name) Wallingford, Vt. 05773 (Mailing Address)

TOWN IN WHICH WELL IS LOCATED: Wallingford

(Please locate well on a large scale map to accompany this report. Maps are available on request.)

DATE WELL WAS COMPLETED: 7/20/1978

PROPOSED USE OF WELL: ☒ Domestic ☐ Agricultural ☐ Business Establishment ☐ Municipal ☐ Industrial ☐ Other (Specify)

DRILLING EQUIPMENT: ☐ Cable Tool ☒ Rotary ☐ Air Percussion ☐ Other (Specify)

TOTAL DEPTH OF WELL: 106 STATIC WATER 30

CASING DETAILS: Length 107 ft. Diameter 6 in. Material Steel
Weight 19:45 lb./ft.

SCREEN DETAILS: Make Material Length ft.
Diameter in. Slot Size

METHOD OF SEALING CASING TO SCREEN OR BEDROCK: Drive shoe

FINAL YIELD TEST: ☐ Bailed, or ☒ Pumped, or ☐ Compressed Air
10 Hours at 4 gallons per minute
Water level during yield test

WELL LOG

Depth From Ground Surface

Give description of formations penetrated, such as: peat, silt, sand, gravel, clay, hardpan, shale, limestone, granite, etc. Include size of gravel (diameter) and sand (fine, medium, coarse, color of material, structure (loose, packed, cemented, hard). For example: Surface to 27 ft. fine, packed, yellow sand; 27 ft. to 134 ft. gray granite.

Surface to 80 ft.	Sand, silt and some gravel
80 to 95 ft.	Clay
95 to 106 ft.	Gravel
to ft.	

YIELD TEST DATA IN G.P.M.
If yield was tested at different depths during drilling, List Below

4	G.P.M. @	80 ft.		G.P.M. @	ft.
	G.P.M. @	ft.		G.P.M. @	ft.

WATER ANALYSIS: Has water been analyzed? ☐ Yes ☐ No If Yes, Where
Include Analysis

DRILLED BY: George Spear & Bob Hayward Alan Mayer V. Pres. (Signature)

DOING BUSINESS AS: Ottauquechee Drilling Co., Inc. (Company)

DATE OF REPORT: 8/10/1978 WELL DRILLERS LICENSE NO. 6

5M 6-76

WELL NUMBER

397

(For Driller's Use)

This report must be completed and submitted to the Department of Water Resources and Environmental Engineering, State Office Building, Montpelier, Vermont 05602, no later than 60 days after completion of the well.

State of Vermont

DEPARTMENT OF WATER RESOURCES AND ENVIRONMENTAL ENGINEERING

WELL COMPLETION REPORT

JUN 22 1981

Location map attached to WCR X

WATER RESOURCE USE ONLY

W.R. 117 U.S.G.S. ____

Field Location ☐ Map area 27a1

Latitude ____ ° ____ ' ____ " Elev. ____

Longitude ____ ° ____ ' ____ " Topo. ____

Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐

Data in Town Files ☐

1. WELL OWNER: John Canney Eastridge Acres Rutland, VT. 05701
Name — Permanent Mailing Address

OR

WELL PURCHASER ____
Name — Permanent Mailing Address

2. LOCATION OF WELL: TOWN Wallingford SUBDIVISION ____ LOT NO. ____

3. DATE WELL WAS COMPLETED June 17, 1981

4. PROPOSED USE OF WELL: ☒ Domestic, ☐ Other ____

5. REASON FOR DRILLING WELL: ☒ New Supply, ☐ Replace Existing Supply, ☐ Deepen Existing Well, ☐ Test or Exploration, ☐ Provide Additional Supply, ☐ Other ____

6. DRILLING EQUIPMENT: ☐ Cable Tool, ☒ Rotary with A-P, ☐ Other ____

7. TYPE OF WELL: ☒ Open Hole in Bedrock, ☐ Open End Casing, ☐ Screened or Slotted, ☐ Other ____

8. TOTAL DEPTH OF WELL: 185 ft feet below land surface.

9. CASING FINISH: ☒ Above ground, Finished, ☐ Above ground, Unfinished, ☐ Buried, ☐ In Pit, ☐ Removed, ☐ None used, ☐ Other ____

10. CASING DETAILS: Total length 63 ft Length below L.S. 61 ft Dia. 6 in Material Steel Wt 19 lb./ft

11. LINER OR INNER CASING DETAILS: Length used — ft. Diameter — in Material — Weight — lb./ft.

12. METHOD OF SEALING CASING TO BEDROCK: ☒ Drive Shoe, ☐ Grout-type ____, Drilled ____ in. hole ____ ft in Bedrock ☐ Other ____

13. SCREEN DETAILS: Make and Type ____, Material ____, Length ____ ft, Diameter ____ Slot Size ____, Depth to top of screen in feet below land surface ____ ft, Gravel pack if used: Gravel Size or Type ____

14. YIELD TEST: ☐ Bailed, ☐ Pumped, ☒ Compressed Air, for 4 Hours at 20 Gallons per minute
Measured by ☐ Bucket, ☒ Oriface pipe, ☐ Wier, ☐ Meter ☐ Permanent Airline instal

15. STATIC WATER LEVEL: 7 feet below land surface, Date or Time measured 6-17-81, Overflows at — G.P.M.

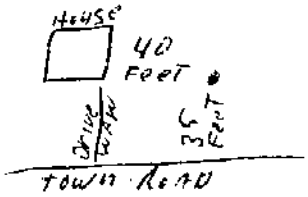
16. WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☒ No, If Yes, Where ____

17. SPECIAL NOTES: ____

18. WELL LOG

Depth from Land Surface Feet	Depth from Land Surface Feet	Water Bearing	Formation Description	Sketch
Ground Surface	13		SAND & GRAVEL	
13	51½		CLAY	
51½	185		MARBLE	

19. SITE MAP
Show permanent structure such as buildings, septic tanks, and/or other land marks and indicate not less than two distances to the well. Indicate local street name and subdivision lot number.



20. TESTED YIELD
If the yield was tested at different depths during drilling, list below

Feet	Gallons Per Minute
100	2 g.p.m.

WELL DRILLED BY: George Bassler

DOING BUSINESS AS: Bassler Water Wells Inc
Company or Business Name

REPORT FILED BY: George Bassler
Authorized Signature

DATE OF REPORT: 6-20-81 WELL DRILLERS LIC. NO. 55

State of Vermont

394
(For Driller's Use)

This report must be completed and submitted to the Department of Water Resources and Environmental Engineering, State Office Building, Montpelier, Vermont 05602, no later than 60 days after completion of the well.

DEPARTMENT OF WATER RESOURCES AND ENVIRONMENTAL ENGINEERING

WELL COMPLETION REPORT

JUL 22 1981

Location map attached to WCR X

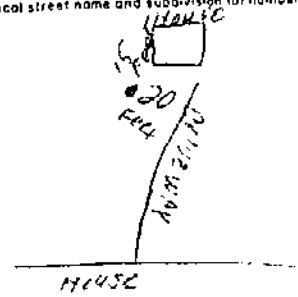
WATER RESOURCE USE UNIT

W.R. 118 U.S.G.S. _____
Field Location ☐ Map area 2721
Latitude ___ ° ___ ' ___ " Elev. _____
Longitude ___ ° ___ ' ___ " Topo. _____
Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐
Data in Town Files ☐

1. WELL OWNER Robert Davenport (Name) Waldo Lane Wallingford, Vermont (Permanent Mailing Address)
OR
WELL PURCHASER _____ (Name) _____ (Permanent Mailing Address)
2. LOCATION OF WELL: TOWN Wallingford SUBDIVISION _____ LOT NO. _____
3. DATE WELL WAS COMPLETED June 12, 1981
4. PROPOSED USE OF WELL: ☒ Domestic, ☐ Other _____
5. REASON FOR DRILLING WELL: ☒ New Supply, ☐ Replace Existing Supply, ☐ Deepen Existing Well, ☐ Test or Exploration, ☐ Provide Additional Supply, ☐ Other _____
6. DRILLING EQUIPMENT: ☐ Cable Tool, ☒ Rotary with A-P, ☐ Other _____
7. TYPE OF WELL: ☒ Open Hole in Bedrock, ☐ Open End Casing, ☐ Screened or Slotted, ☐ Other _____
8. TOTAL DEPTH OF WELL: 245' feet below land surface.
9. CASING FINISH: ☒ Above ground, Finished, ☐ Above ground, Unfinished, ☐ Buried, ☐ In Pit, ☐ Removed, ☐ None used, ☐ Other _____
10. CASING DETAILS: Total length 20 ft. Length below L.S 18 ft. Dia. 6 in. Material steel Wt 19 lb/ft
11. LINER OR INNER CASING DETAILS: Length used — ft. Diameter — in. Material — Weight — lb/ft
12. METHOD OF SEALING CASING TO BEDROCK: ☒ Drive Shoe, ☐ Grout – type _____, Drilled ___ in. hole ___ ft. in Bedrock ☐ Other _____
13. SCREEN DETAILS: Make and Type — , Material — , Length — ft., Diameter — in. Slot Size — , Depth to top of screen in feet below land surface — ft., Gravel pack if used: Gravel Size or Type —
14. YIELD TEST: ☐ Bailed, ☐ Pumped, ☒ Compressed Air, for 4 Hours at 15 Gallons per minute ☐ Permanent Airline installe
Measured by ☐ Bucket, ☒ Orifice pipe, ☐ Weir, ☐ Meter
15. STATIC WATER LEVEL: 0 feet below land surface, Date or Time measured 6-12-81, Overflows at ½ G.P.M.
16. WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☒ No, If Yes, Where _____
17. SPECIAL NOTES: _____
18. WELL LOG

Depth from Land Surface: Feet	Feet	Water Bearing	Formation Description	Sketch
Ground Surface	8		GRAVEL + HARDPAN	
8	245		GRAY SHALE	

19. SITE MAP
Show permanent structure such as buildings, septic tanks, and/or other land marks and indicate not less than two distances to the well. Indicate local street name and subdivision lot number.



20. TESTED YIELD
If the yield was tested at different depths during drilling, list below

Feet	Gallons Per Minute
235	15

WELL DRILLED BY: George Bassler
DOING BUSINESS AS: Bassler Water Wells Inc (Company or Business Name)
REPORT FILED BY: Gary Bassler (Authorized Signature)
DATE OF REPORT: June 16, 1981 WELL DRILLERS LIC. NO. 55

WELL NUMBER

(For Driller's Use)

This report must be completed and submitted to the Department of Water Resources and Environmental Engineering, State Office Building, Montpelier, Vermont 05602, no later than 60 days after completion of the well.

State of Vermont
DEPARTMENT OF WATER RESOURCES AND ENVIRONMENTAL ENGINEERING
WELL COMPLETION REPORT

JUN . 0 1983

WATER RESOURCE USE ONLY

W.R. 126 U.S.G.S. ____

Field Location ☐ Map area 27A1

Latitude ____ ° ____ ' ____ " Elev. ____

Longitude ____ ° ____ ' ____ " Topo. ____

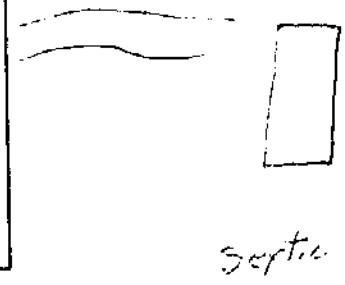
Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐

Location map attached to WCR ____ Data in Town Files ☐ ____

1. WELL OWNER Phil Alderman (Name) Rt 4 Rutland, Vt 05701 (Permanent Mailing Address)
   OR
   WELL PURCHASER ____ (Name) ____ (Permanent Mailing Address)
2. LOCATION OF WELL: TOWN Wallingford, Vt SUBDIVISION ____ LOT NO. ____
3. DATE WELL WAS COMPLETED 4-12-83
4. PROPOSED USE OF WELL: ☒ Domestic, ☐ Other ____
5. REASON FOR DRILLING WELL: ☒ New Supply, ☐ Replace Existing Supply, ☐ Deepen Existing Well, ☐ Test or Exploration, ☐ Provide Additional Supply, ☐ Other ____
6. DRILLING EQUIPMENT: ☐ Cable Tool ☒ Rotary with A-P, ☐ Other ____
7. TYPE OF WELL: ☒ Open Hole in Bedrock, ☐ Open End Casing, ☐ Screened or Slotted; ☐ Other ____
8. TOTAL DEPTH OF WELL: 405 feet below land surface.
9. CASING FINISH: ☒ Above ground, Finished, ☐ Above ground, Unfinished, ☐ Buried, ☐ In Pit, ☐ Removed, ☐ None used, ☐ Other ____
10. CASING DETAILS: Total length 100 ft. Length below L.S. ____ ft Dia. 6 in Material Steel wt 17 lb./ft.
11. LINER OR INNER CASING DETAILS: Length used ____ ft. Diameter ____ in. Material ____ Weight ____ lb./ft.
12. METHOD OF SEALING CASING TO BEDROCK: ☒ Drive Shoe, ☐ Grout – type ____, Drilled ____ in. hole ____ ft. in Bedrock ☐ Other ____
13. SCREEN DETAILS: Make and Type ____, Material ____, Length ____ ft, Diameter ____ Slot Size ____, Depth to top of screen in feet below land surface ____ ft., Gravel pack if used: Gravel Size or Type ____
14. YIELD TEST: ☐ Bailed, ☐ Pumped, ☒ Compressed Air, for 1 Hours at 30 Gallons per minute
    Measured by ☒ Bucket, ☐ Orifice pipe, ☐ Weir, ☐ Meter ☐ Permanent Airline Inst
15. STATIC WATER LEVEL: 20. feet below land surface, Date or Time measured ____, Overflows at ____ G.P.M.
16. WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☒ No, If Yes, Where ____
17. SPECIAL NOTES: ____
18. WELL LOG

Depth from Land Surface Feet	Feet	Water Bearing	Formation Description	Sketch
Ground Surface	80		Clay & gravel	
80	405		white & Red Rock	

19. SITE MAP
Show permanent structure such as buildings, septic tanks, and/or other land marks and indicate not less than two distances to the well. Indicate local street name and subdivision lot number



20. TESTED YIELD
If the yield was tested at different depths during drilling, list below.

Feet	Gallons Per Minute

WELL DRILLED BY: Jay Wragg

DOING BUSINESS AS: Wragg Bros. Well Drilling (Company or Business Name)

REPORT FILED BY: Jay Wragg (Authorized Signature)

DATE OF REPORT: 4/27/83 WELL DRILLERS LIC. NO. 33

WELL NUMBER

(For Driller's Use)

This report must be completed and submitted to the Department of Water Resources and Environmental Engineering, State Office Building, Montpelier, Vermont 05602, no later than 60 days after completion of the well.

State of Vermont

DEPARTMENT OF WATER RESOURCES AND ENVIRONMENTAL ENGINEERING

WELL COMPLETION REPORT

NOV . 6 1983 JAN 27 1983

Location map attached to WCR _____

WATER RESOURCE USE ONLY

W.R. 129 U.S.G.S. _____

Field Location ☐ Map area 27a.1

Latitude ___ ° ___ ' ___ " Elev. _____

Longitude ___ ° ___ ' ___ " Topo. _____

Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐

Data in Town Files ☐

1. WELL OWNER _____ (Name) _____ (Permanent Mailing Address)

OR

WELL PURCHASER Frances Shaw (Name) Railroad St. Wallingford, Vt (Permanent Mailing Address)

2. LOCATION OF WELL: TOWN Wallingford SUBDIVISION _____ LOT NO. _____

3. DATE WELL WAS COMPLETED 10/14/82

4. PROPOSED USE OF WELL: ☐ Domestic, ☒ Other garage

5. REASON FOR DRILLING WELL: ☒ New Supply, ☐ Replace Existing Supply, ☐ Deepen Existing Well, ☐ Test or Exploration, ☐ Provide Additional Supply, ☐ Other _____

6. DRILLING EQUIPMENT: ☐ Cable Tool, ☒ Rotary with A-P, ☐ Other _____

7. TYPE OF WELL: ☒ Open Hole in Bedrock, ☐ Open End Casing, ☐ Screened or Slotted, ☐ Other _____

8. TOTAL DEPTH OF WELL: 265 feet below land surface

9. CASING FINISH: ☒ Above ground, Finished, ☐ Above ground, Unfinished, ☐ Buried, ☐ In Pit, ☐ Removed, ☐ None used, ☐ Other _____

10. CASING DETAILS: Total length 40 ft Length below L.S 38 ft Dia. 6 in. Material Steel wt 17 lb/ft

N.A. LINER OR INNER CASING DETAILS: Length used _____ ft Diameter _____ in. Material _____ Weight _____ lb./ft

12. METHOD OF SEALING CASING TO BEDROCK: ☒ Drive Shoe, ☐ Grout – type _____, Drilled ___ in hole ___ ft in Bedrock ☐ Other _____

13. N.A. SCREEN DETAILS: Make and Type _____, Material _____, Length _____ ft, Diameter _____ in. Slot Size _____, Depth to top of screen in feet below land surface _____ ft, Gravel pack if used Gravel Size or Type _____

14. YIELD TEST: ☐ Bailed, ☐ Pumped, ☒ Compressed Air, for 2 Hours at 15 Gallons per minute

Measured by ☐ Bucket, ☐ Orifice pipe, ☐ Weir, ☐ Meter ☐ Permanent Airline Install

15. STATIC WATER LEVEL: 15 feet below land surface, Date or Time measured 10/15/82 Overflows at _____ G.P.M.

16. WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☒ No, If Yes, Where _____

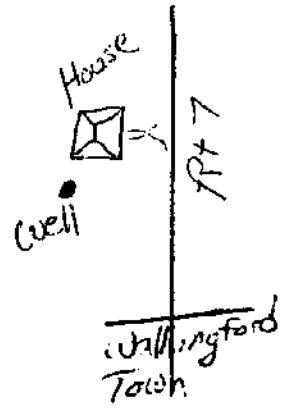
17. SPECIAL NOTES: _____

18. WELL LOG

Depth from Land Surface: Feet	Feet	Water Bearing	Formation Description	Sketch
Ground Surface	0-40		Sand & Gravel	0-40 Sand & Gravel
40	265		Black Shale	40-265 Black Shale

19. SITE MAP

Show permanent structure such as buildings, septic tanks, and/or other land marks and indicate not less than two distances to the well. Indicate local street name and subdivision lot number



20. TESTED YIELD

If the yield was tested at different depths during drilling, list below

Feet	Gallons Per Minute

WELL DRILLED BY: Jerry Parker

DOING BUSINESS AS: Parker Water Wells (Company or Business Name)

REPORT FILED BY: Jerry Parker (Authorized Signature)

DATE OF REPORT: 1/20/83 WELL DRILLERS LIC. NO. 176

WELL NUMBER

(For Driller's Use)

This report must be completed and submitted to the Department of Water Resources and Environmental Engineering, State Office Building, Montpelier, Vermont 05602, no later than 60 days after completion of the well.

State of Vermont

DEPARTMENT OF WATER RESOURCES AND ENVIRONMENTAL ENGINEERING

WELL COMPLETION REPORT

DEC 5 1983

Location map attached to WCR ____

WATER RESOURCE USE ONLY

W.R. 133 U.S.G.S. ____

Field Location ☐ Map area 27a1

Latitude ____ ° ' " Elev. ____

Longitude ____ ° ' " Topo. ____

Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐

Data in Town Files ☐

1. WELL OWNER Richard Duprey Creek Rd. Wallingford.
   Name — Permanent Mailing Address

   OR

   WELL PURCHASER ____
   Name — Permanent Mailing Address

2. LOCATION OF WELL: TOWN Wallingford SUBDIVISION ____ LOT NO. ____

3. DATE WELL WAS COMPLETED 7/13/83

4. PROPOSED USE OF WELL: ☒ Domestic, ☐ Other ____

5. REASON FOR DRILLING WELL: ☐ New Supply, ☒ Replace Existing Supply, ☐ Deepen Existing Well, ☐ Test or Exploration, ☐ Provide Additional Supply, ☐ Other ____

6. DRILLING EQUIPMENT: ☐ Cable Tool, ☒ Rotary with A-P, ☐ Other ____

7. TYPE OF WELL: ☒ Open Hole in Bedrock, ☐ Open End Casing, ☐ Screened or Slotted, ☐ Other ____

8. TOTAL DEPTH OF WELL: 305 feet below land surface.

9. CASING FINISH: ☒ Above ground, Finished, ☐ Above ground, Unfinished, ☐ Buried, ☐ In Pit, ☐ Removed, ☐ None used, ☐ Other ____

10. CASING DETAILS: Total length 20 ft Length below L.S 18 ft Dia ____ in Material ____ Wt ____ lb/ft

NA LINER OR INNER CASING DETAILS: Length used ____ ft Diameter ____ in Material ____ Weight ____ lb/ft

12. METHOD OF SEALING CASING TO BEDROCK: ☒ Drive Shoe, ☐ Grout - Type ____, Drilled ____ in hole ____ ft in Bedrock, ☐ Other ____

NA SCREEN DETAILS: Make and Type ____, Material ____, Length ____ ft, Diameter ____, Slot Size ____, Depth to top of screen in feet below land surface ____ ft., Gravel pack if used: Gravel Size or Type ____

14. YIELD TEST: ☐ Bailed, ☐ Pumped, ☒ Compressed Air, for 2 Hours at 5 Gallons per minute. Measured by ☒ Bucket, ☐ Orifice pipe, ☐ Weir, ☐ Meter. ☐ Permanent Airline Insta

15. STATIC WATER LEVEL: 4 FT feet below land surface, Date or Time measured ____, Overflows at ____ G.P.M.

16. WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☐ No, If Yes, Where ____

17. SPECIAL NOTES: ____

18. WELL LOG

Depth from Land Surface: Feet	Feet	Water Bearing	Formation Description	Sketch
Ground Surface	5		SAND	Sand
5	18		CLAY	Clay
18	305		lime STONE	lime stone

19. SITE MAP

Show permanent structure such as buildings, septic tanks, and/or other land marks and indicate not less than two distances to the well. Indicate local street name and subdivision lot number.

20. TESTED YIELD

If the yield was tested at different depths during drilling, list below

Feet	Gallons Per Minute

WELL DRILLED BY: Gerald E Parkes Jr.

DOING BUSINESS AS: Parkes Water Wells
Company or Business Name

REPORT FILED BY: Gerald E Parkes Jr.
Authorized Signature

DATE OF REPORT: 12/6/83 WELL DRILLERS LIC. NO. 126

WELL NUMBER

(For Driller's Use)

This report must be completed and submitted to the Department of Water Resources and Environmental Engineering, State Office Building, Montpelier, Vermont 05602, no later than 60 days after completion of the well.

State of Vermont

DEPARTMENT OF WATER RESOURCES AND ENVIRONMENTAL ENGINEERING

WELL COMPLETION REPORT

MAR 22 1984

WATER RESOURCE USE ONLY

W.R. 140 U.S.G.S. ____

Field Location ☐ Map area 27a1

Latitude ____ ° ____ ' ____ " Elev. ____

Longitude ____ ° ____ ' ____ " Topo. ____

Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐

Location map attached to WCR ____ Data in Town Files ☐

1. WELL OWNER Lynn Hennessy RFD Wallingford, Vt. 05773
Name — Permanent Mailing Address

OR

WELL PURCHASER ____
Name — Permanent Mailing Address

2. LOCATION OF WELL: TOWN Wallingford SUBDIVISION ____ LOT NO. ____

3. DATE WELL WAS COMPLETED 6/11/83

4. PROPOSED USE OF WELL: ☒ Domestic, ☐ Other ____

5. REASON FOR DRILLING WELL: ☒ New Supply, ☐ Replace Existing Supply, ☐ Deepen Existing Well, ☐ Test or Exploration, ☐ Provide Additional Supply, ☐ Other ____

6. DRILLING EQUIPMENT: ☐ Cable Tool, ☒ Rotary with A-P, ☐ Other ____

7. TYPE OF WELL: ☒ Open Hole in Bedrock, ☐ Open End Casing, ☐ Screened or Slotted, ☐ Other ____

8. TOTAL DEPTH OF WELL: 245 feet below land surface.

9. CASING FINISH: ☒ Above ground, Finished, ☐ Above ground, Unfinished, ☐ Buried, ☐ In Pit, ☐ Removed, ☐ None used, ☐ Other ____

10. CASING DETAILS: Total length 125 ft. Length below L.S. 123 ft Dia. 6 in. Material Steel Wt 17 lb./ft

NA LINER OR INNER CASING DETAILS: Length used ____ ft Diameter ____ in. Material ____ Weight ____ lb./ft

12. METHOD OF SEALING CASING TO BEDROCK: ☒ Drive Shoe, ☐ Grout - type ____, Drilled ____ in. hole ____ ft. in Bedrock, ☐ Other ____

NA SCREEN DETAILS: Make and Type ____, Material ____, Length ____ ft, Diameter ____ in., Slot Size ____, Depth to top of screen in feet below land surface ____ ft., Gravel pack if used: Gravel Size or Type ____

14. YIELD TEST: ☐ Bailed, ☐ Pumped, ☒ Compressed Air, for 7 Hours at 9 Gallons per minute

Measured by ☐ Bucket, ☐ Orifice pipe, ☐ Weir, ☐ Meter ☐ Permanent Airline Installed

15. STATIC WATER LEVEL: 25 feet below land surface, Date or Time measured ____, Overflows at ____ G.P.M.

16. WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☐ No, If Yes, Where ____

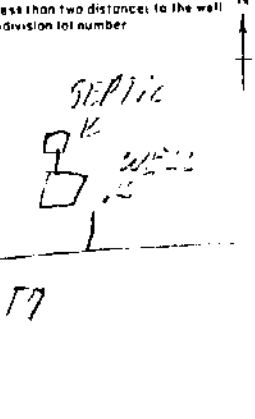
17. SPECIAL NOTES: ____

18. WELL LOG

Depth from Land Surface Feet	Feet	Water Bearing	Formation Description	Sketch
Ground Surface	80		Hard pan	Hard pan
80	120		layers of limestone, sand	Sand, limestone
120	245		limestone	
				limestone

19. SITE MAP

Show permanent structure such as buildings, septic tanks, and/or other land marks and indicate not less than two distances to the well. Indicate local street name and subdivision lot number



20. TESTED YIELD

If the yield was tested at different depths during drilling, list below

Feet	Gallons Per Minute

WELL DRILLED BY: Gerald Parker, Jr.

DOING BUSINESS AS: Parker Water Wells
Company or Business Name

REPORT FILED BY: Gerald E Parker
Authorized Signature

DATE OF REPORT: 3/18/84 WELL DRILLERS LIC. NO. 176

WELL NUMBER

27

(For Driller's Use)

This report must be completed and submitted to the Department of Water Resources and Environmental Engineering, State Office Building, Montpelier, Vermont 05602, no later than 60 days after completion of the well.

State of Vermont

DEPARTMENT OF WATER RESOURCES AND ENVIRONMENTAL ENGINEERING

WELL COMPLETION REPORT

JUN 12 1984

Location map attached to WCR _____

WATER RESOURCE USE ONLY

W.R. 141 U.S.G.S. _____

Field Location ☐ Map area 27a1

Latitude ___ ° ___ ' ___ " Elev. _____

Longitude ___ ° ___ ' ___ " Topo. _____

Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐

Data in Town Files ☐ _____

1. WELL OWNER Mr. Allen Baker (Name) Church St. Ex. Wallingford, Vt. 05773 (Permanent Mailing Address)

OR

WELL PURCHASER _____ (Name) _____ (Permanent Mailing Address)

2. LOCATION OF WELL: TOWN Wallingford SUBDIVISION _____ LOT NO. _____

3. DATE WELL WAS COMPLETED 4/23/1984

4. PROPOSED USE OF WELL: ☒ Domestic, ☐ Other _____

5. REASON FOR DRILLING WELL: ☒ New Supply, ☐ Replace Existing Supply, ☐ Deepen Existing Well, ☐ Test or Exploration, ☐ Provide Additional Supply, ☐ Other _____

6. DRILLING EQUIPMENT: ☐ Cable Tool, ☒ Rotary with A-P, ☐ Other _____

7. TYPE OF WELL: ☒ Open Hole in Bedrock, ☐ Open End Casing, ☐ Screened or Slotted, ☐ Other _____

8. TOTAL DEPTH OF WELL: 272 feet below land surface.

9. CASING FINISH: ☐ Above ground, Finished, ☒ Above ground, Unfinished, ☐ Buried, ☐ In Pit, ☐ Removed, ☐ None used, ☐ Other _____

10. CASING DETAILS: Total length 125 ft. Length below L.S 124 ft Dia 6 in. Material steel wt 19.45 lb/ft

11. LINER OR INNER CASING DETAILS: Length used _____ ft. Diameter _____ in. Material _____ Weight _____ lb/ft

12. METHOD OF SEALING CASING TO BEDROCK: ☒ Drive Shoe, ☐ Grout - type _____, Drilled 8 in hole 3 ft in Bedrock ☐ Other _____

13. SCREEN DETAILS: Make and Type _____, Material _____, Length _____ ft, Diameter _____ in., Slot Size _____, Depth to top of screen in feet below land surface _____ ft., Gravel pack if used: Gravel Size or Type _____

14. YIELD TEST: ☐ Bailed, ☐ Pumped, ☒ Compressed Air, for 1 Hours at 3/4 Gallons per minute

Measured by ☐ Bucket, ☐ Orifice pipe, ☐ Weir, ☐ Meter ☐ Permanent Airline Installed

15. STATIC WATER LEVEL: 60 feet below land surface, Date or Time measured 4/23/84, Overflows at _____ G.P.M.

16. WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☐ No, If Yes, Where _____

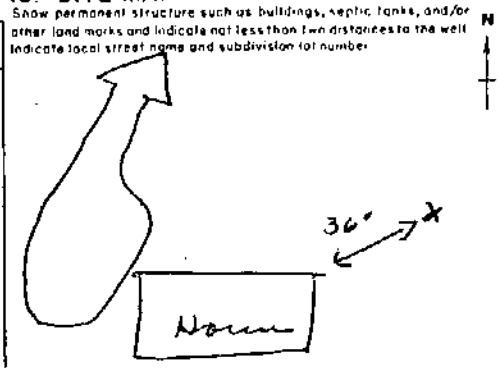
17. SPECIAL NOTES: Cemented well at 272 ft.

18. WELL LOG

Depth from Land Surface Feet	Feet	Water Bearing	Formation Description	Sketch
Ground Surface	40		Sand & gravel	
40	121		Rotten limestone	
121	128		Solid limestone	
128	150	X	Soft brown limestone with sand & water	
150	260		Solid limestone	
260	263	X	Soft quartz seam with more water	
263	272		Limestone	

19. SITE MAP

Show permanent structure such as buildings, septic tanks, and/or other land marks and indicate not less than two distances to the well. Indicate local street name and subdivision lot number.



20. TESTED YIELD

If the yield was tested at different depths during drilling, list below

Feet	Gallons Per Minute
255	3/4

WELL DRILLED BY: George Spear & Bob Hayward

DOING BUSINESS AS: Ottauquechee Drilling Co., Inc. (Company or Business Name)

REPORT FILED BY: George Spear & Alvis Moyer V.P. (Authorized Signature)

DATE OF REPORT: 5/31/1984 WELL DRILLERS LIC. NO. 6

WELL NUMBER

1

(For Driller's Use)

This report must be completed and submitted to the Department of Water Resources and Environmental Engineering, State Office Building, Montpelier, Vermont 05602, no later than 60 days after completion of the well.

State of Vermont

DEPARTMENT OF WATER RESOURCES AND ENVIRONMENTAL ENGINEERING

WELL COMPLETION REPORT

JUN 2 - 1984

WATER RESOURCE USE ONLY

W.R. 142 U.S.G.S. ____

Field Location ☐ Map area 27a1

Latitude ____ ° ' " Elev. ____

Longitude ____ ° ' " Topo. ____

Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐

Location map attached to WCR ____ Data in Town Files ☐

1. WELL OWNER Sherwin Fish Wallingford Vt 05773
Name — Permanent Mailing Address

OR

WELL PURCHASER " " " "
Name — Permanent Mailing Address

2. LOCATION OF WELL: TOWN Wallingford SUBDIVISION ____ LOT NO. ____

3. DATE WELL WAS COMPLETED 11-24-83

4. PROPOSED USE OF WELL: ☑ Domestic, ☐ Other ____

5. REASON FOR DRILLING WELL: ☑ New Supply, ☐ Replace Existing Supply, ☐ Deepen Existing Well, ☐ Test or Exploration, ☐ Provide Additional Supply, ☐ Other ____

6. DRILLING EQUIPMENT: ☐ Cable Tool, ☑ Rotary with A-P, ☐ Other ____

7. TYPE OF WELL: ☐ Open Hole in Bedrock, ☑ Open End Casing, ☐ Screened or Slotted, ☐ Other ____

8. TOTAL DEPTH OF WELL: 110' feet below land surface.

9. CASING FINISH: ☑ Above ground, Finished, ☐ Above ground, Unfinished, ☐ Buried, ☐ In Pit, ☐ Removed, ☐ None used, ☐ Other ____

10. CASING DETAILS: Total length 110' ft. Length below L.S. 110' ft. Dia. 6 in. Material Steel wt 19 lb./ft.

11. LINER OR INNER CASING DETAILS: Length used ____ ft. Diameter ____ in. Material ____ Weight ____ lb./ft

12. METHOD OF SEALING CASING TO BEDROCK: ☑ Drive Shoe, ☐ Grout - type ____, Drilled 8 in hole ____ ft in Bedrock
☑ Other Gravel Well

13. SCREEN DETAILS: Make and Type ____, Material ____, Length ____ ft, Diameter ____ in, Slot Size ____, Depth to top of screen in feet below land surface ____ ft., Gravel pack if used: Gravel Size or Type ____

14. YIELD TEST: ☐ Bailed, ☐ Pumped, ☑ Compressed Air, for 2 Hours at 12 Gallons per minute
Measured by ☐ Bucket, ☐ Orifice pipe, ☐ Weir, ☐ Meter ☐ Permanent Airline Installed

15. STATIC WATER LEVEL: ____ feet below land surface, Date or Time measured 11-24-83, Overflows at 2 G.P.M.

16. WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☑ No, If Yes, Where ____

17. SPECIAL NOTES: ____

18. WELL LOG

Depth from Land Surface Feet	Feet	Water Bearing	Formation Description	Sketch
Ground Surface	110		Sand + Gravel	

19. SITE MAP
Show permanent structure such as buildings, septic tanks, and/or other land marks and indicate not less than two distances to the well. Indicate local street name and subdivision lot number.

N

20. TESTED YIELD
If the yield was tested at different depths during drilling, list below.

Feet	Gallons Per Minute

WELL DRILLED BY: Kenneth S Lundin

DOING BUSINESS AS Carlson & Lundin Artesian Wells, Inc
Company or Business Name

REPORT FILED BY: Kenneth Lundin
Authorized Signature

DATE OF REPORT: 11-24-83 WELL DRILLERS LIC. NO. 26

State of Vermont

DEPARTMENT OF WATER RESOURCES AND ENVIRONMENTAL ENGINEERING

WELL COMPLETION REPORT

FEB 2 2 1985

(For Driller's Use)

This report must be completed and submitted to the Department of Water Resources and Environmental Engineering, State Office Building, Montpelier, Vermont 05602, no later than 60 days after completion of the well.

WATER RESOURCE USE ONLY

W.R. 150 U.S.G.S. ____

Field Location ☐ Map area 27a1

Latitude ____ ° ' " Elev. ____

Longitude ____ ° ' " Topo. ____

Scale: 62,500 ☐, 25,000 ☐, 24,000

Location map attached to WCR ____ Data in Town Files ☐ ____

1. WELL OWNER ____ Name ____ Permanent Mailing Address ____

OR

WELL PURCHASER James Reed Box 137 Wallingford, Vt 05773

Name — Permanent Mailing Address

2. LOCATION OF WELL: TOWN Wallingford SUBDIVISION ____ LOT NO. ____

3. DATE WELL WAS COMPLETED 11-17-84

4. PROPOSED USE OF WELL: ☑ Domestic, ☐ Other ____

5. REASON FOR DRILLING WELL: ☑ New Supply, ☐ Replace Existing Supply, ☐ Deepen Existing Well, ☐ Test or Exploration, ☐ Provide Additional Supply, ☐ Other ____

6. DRILLING EQUIPMENT: ☐ Cable Tool, ☑ Rotary with A-P, ☐ Other ____

7. TYPE OF WELL: ☑ Open Hole in Bedrock, ☐ Open End Casing, ☐ Screened or Slotted, ☐ Other ____

8. TOTAL DEPTH OF WELL: 410 feet below land surface.

9. CASING FINISH: ☑ Above ground, Finished, ☐ Above ground, Unfinished, ☐ Buried, ☐ In Pit, ☐ Removed, ☐ None used, ☐ Other ____

10. CASING DETAILS: Total length 60 ft. Length below L.S. 54 ft. Dia. 6 in. Material Steel Wt. 17 lb./ft.

11. LINER OR INNER CASING DETAILS: Length used ____ ft. Diameter ____ in. Material ____ Weight ____ lb./ft.

12. METHOD OF SEALING CASING TO BEDROCK: ☑ Drive Shoe, ☐ Grout - type ____, Drilled ____ in. hole ____ ft. in Bedrock ☐ Other ____

13. SCREEN DETAILS: Make and Type ____, Material ____, Length ____ ft., Diameter ____ Slot Size ____, Depth to top of screen in feet below land surface ____ ft., Gravel pack if used: Gravel Size or Type ____

14. YIELD TEST: ☐ Bailed, ☐ Pumped, ☑ Compressed Air, for 1 Hours at 20 Gallons per minute

Measured by ☑ Bucket, ☐ Orifice pipe, ☐ Weir, ☐ Meter ☐ Permanent Airline In

15. STATIC WATER LEVEL: ____ feet below land surface, Date or Time measured ____, Overflows at ____ G.P.M.

16. WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☐ No, If Yes, Where ____

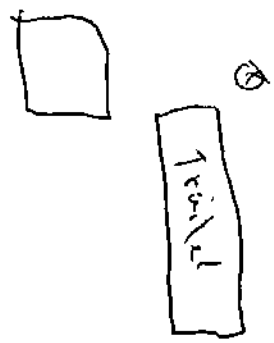
17. SPECIAL NOTES: ____

18. WELL LOG

Depth from Land Surface Feet	Feet	Water Bearing	Formation Description	Sketch
Ground Surface	50	W	Gravel	
50	410		Marble	

19. SITE MAP

Show permanent structure such as buildings, septic tanks, and other land marks and indicate not less than two distances to the w indicate local street name and subdivision lot number.



20. TESTED YIELD

If the yield was tested at different depths during drilling, list below.

Feet	Gallons Per Minute

WELL DRILLED BY: Robert Frost

DOING BUSINESS AS: Frost Inc

Company or Business Name

REPORT FILED BY: Robert A. Frost

Authorized Signature

DATE OF REPORT: 11/1/84 WELL DRILLERS LIC. NO. 23

(For Driller's Use)

This report must be completed and submitted to the Department of Water Resources and Environmental Engineering, State Office Building, Montpelier, Vermont 05602, no later than 60 days after completion of the well.

DEPARTMENT OF WATER RESOURCES AND ENVIRONMENTAL ENGINEERING

WELL COMPLETION REPORT

APR 1 1985

Location map attached to WCR ____

W.R. 151 U.S.G.S. ____

Field Location ☐ Map area 27a1

Latitude ____ ° ' " Elev. ____

Longitude ____ ° ' " Topo. ____

Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐

Data in Town Files ☐ ____

1. WELL OWNER Mrs Relo East St. Wallingford, VT
Name — Permanent Mailing Address

OR

WELL PURCHASER ____
Name — Permanent Mailing Address

2. LOCATION OF WELL: TOWN Wallingford SUBDIVISION ____ LOT NO. ____

3. DATE WELL WAS COMPLETED 12/4/84

4. PROPOSED USE OF WELL: ☒ Domestic, ☐ Other ____

5. REASON FOR DRILLING WELL: ☐ New Supply, ☒ Replace Existing Supply, ☐ Deepen Existing Well, ☐ Test or Exploration, ☐ Provide Additional Supply, ☐ Other ____

6. DRILLING EQUIPMENT: ☐ Cable Tool, ☒ Rotary with A-P, ☐ Other ____

7. TYPE OF WELL: ☒ Open Hole in Bedrock, ☐ Open End Casing, ☐ Screened or Slotted, ☐ Other ____

8. TOTAL DEPTH OF WELL: 345 feet below land surface.

9. CASING FINISH: ☒ Above ground, Finished, ☐ Above ground, Unfinished, ☐ Buried, ☐ in Pit, ☐ Removed, ☐ None used, ☐ Other ____

10. CASING DETAILS: Total length 95 ft. Length below L S 93 ft Dia. 6 in. Material Steel wt 17 lb./ft

N/A LINER OR INNER CASING DETAILS: Length used ____ ft. Diameter ____ in. Material ____ Weight ____ lb./ft.

12. METHOD OF SEALING CASING TO BEDROCK: ☒ Drive Shoe, ☐ Grout - type ____, Drilled ____ in. hole ____ ft in Bedrock ☐ Other ____

N/A SCREEN DETAILS: Make and Type ____, Material ____, Length ____ ft, Diameter ____ in. Slot Size ____, Depth to top of screen in feet below land surface ____ ft, Gravel pack if used: Gravel Size or Type ____

14. YIELD TEST: ☐ Bailed, ☐ Pumped, ☒ Compressed Air, for 4 Hours at 5 Gallons per minute
Measured by ☒ Bucket, ☐ Orifice pipe, ☐ Weir, ☐ Meter ☐ Permanent Airline Installed

15. STATIC WATER LEVEL: 1.5 feet below land surface, Date or Time measured ____, Overflows at ____ G.P.M.

16. WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☒ No, If Yes, Where ____

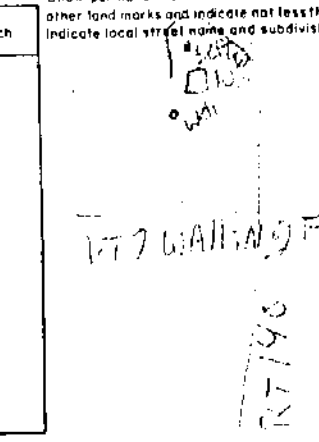
17. SPECIAL NOTES: ____

18. WELL LOG

Depth from Land Surface: Feet	Feet	Water Bearing	Formation Description	Sketch
Ground Surface	50		Gravel Boulders	
50	72		Quick Sand	
72	345		Lime Stone Quartz	

19. SITE MAP
Show permanent structure such as buildings, septic tanks, and/or other land marks and indicate not less than two distances to the well. Indicate local street name and subdivision lot number

N



20. TESTED YIELD
If the yield was tested at different depths during drilling, list below.

Feet	Gallons Per Minute

WELL DRILLED BY: Jerry Parker, Jr.

DOING BUSINESS AS: Parker Water Wells
Company or Business Name

REPORT FILED BY: Gerald Parker Jr.
Authorized Signature

DATE OF REPORT: 1/31/85 WELL DRILLERS LIC. NO. 176

WELL NUMBER

1984-90

(For Driller's Use)

This report must be completed and submitted to the Department of Water Resources and Environmental Engineering, State Office Building, Montpelier, Vermont 05602, no later than 60 days after completion of the well.

State of Vermont

DEPARTMENT OF WATER RESOURCES AND ENVIRONMENTAL ENGINEERING

WELL COMPLETION REPORT

JAN 9 1985

Location map attached to WCR ____

WATER RESOURCE USE ONLY

W.R. 154 U.S.G.S. ____

Field Location ☐ Map area 27a-1

Latitude ____ ° ' " Elev. ____

Longitude ____ ° ' " Top ____

Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐

Data in Town Files ☐

1. WELL OWNER Plainfield Ski Club (Name) Wallingford, Vt. (Permanent Mailing Address)

OR

WELL PURCHASER ____ (Name) ____ (Permanent Mailing Address)

2. LOCATION OF WELL: TOWN Wallingford SUBDIVISION ____ LOT NO. ____

3. DATE WELL WAS COMPLETED 12-17-84

4. PROPOSED USE OF WELL: ☒ Domestic, ☐ Other ____

5. REASON FOR DRILLING WELL: ☐ New Supply, ☒ Replace Existing Supply, ☐ Deepen Existing Well, ☐ Test or Exploration, ☐ Provide Additional Supply, ☐ Other ____

6. DRILLING EQUIPMENT: ☐ Cable Tool, ☒ Rotary with A-P, ☐ Other ____

7. TYPE OF WELL: ☒ Open Hole in Bedrock, ☐ Open End Casing, ☐ Screened or Slotted, ☐ Other ____

8. TOTAL DEPTH OF WELL: 400 feet below land surface.

9. CASING FINISH: ☐ Above ground, Finished, ☒ Above ground, Unfinished, ☐ Buried, ☐ In Pit, ☐ Removed, ☐ None used, ☐ Other ____

10. CASING DETAILS: Total length 22 ft. Length below L.S. 21 ft Dia. 6 in Material Steel Wt 17 lb/ft

11. LINER OR INNER CASING DETAILS: Length used ____ ft Diameter ____ in Material ____ Weight ____ lb/ft

12. METHOD OF SEALING CASING TO BEDROCK: ☒ Drive Shoe, ☐ Grout – Type ____, Drilled 8½ in hole 10 ft in Bedrock ☐ Other ____

13. SCREEN DETAILS: Make and Type ____, Material ____, Length ____ ft, Diameter ____ in, Slot Size ____, Depth to top of screen in feet below land surface ____ ft, Gravel pack if used: Gravel Size or Type ____

14. YIELD TEST: ☐ Bailed, ☐ Pumped, ☒ Compressed Air, for 1 Hours at 8½ Gallons per minute

Measured by ☒ Bucket, ☐ Orifice pipe, ☐ Weir, ☐ Meter ☐ Permanent Airline installed

15. STATIC WATER LEVEL: 16 feet below land surface, Date or Time measured 12-16-84, Overflows at ____ G.P.M.

16. WATER ANALYSIS: Has the water been analyzed? ☐ Yes, ☒ No, If Yes, Where ____

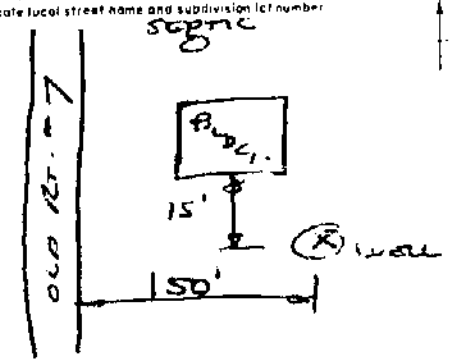
17. SPECIAL NOTES: Replaced old well

18. WELL LOG

Depth from Land Surface Feet	Feet	Water Bearing	Formation Description	Sketch
Ground Surface	11		Sand	
11	400	✓	Gray Marble	

19. SITE MAP

Show permanent structure such as buildings, septic tanks, and/or other land marks and indicate not less than two distances to the well. Indicate local street name and subdivision lot number.



20. TESTED YIELD

If the yield was tested at different depths during drilling, list below

Feet	Gallons Per Minute
360	½

WELL DRILLED BY: Ray & Jeff Leonard

DOING BUSINESS AS: Green Mt. Drilling Co., Inc. (Company or Business Name)

REPORT FILED BY: Raymond L. Leonard Jr. (Authorized Signature)

DATE OF REPORT: 1-8-85 WELL DRILLERS LIC. NO. 57

(For Driller's Use)

This report must be completed and submitted to the Department of Water Resources and Environmental Engineering, State Office Building, Montpelier, Vermont 05602, no later than 60 days after completion of the well.

DEPARTMENT OF WATER RESOURCES AND ENVIRONMENTAL ENGINEERING

WELL COMPLETION REPORT

JAN 1 4 1986

W.R. 141 U.S.G.S. _____
Field Location ☐ Map area 27a1
Latitude ___ ° ___ ' ___ " Elev. _____
Longitude ___ ° ___ ' ___ " Topo. _____
Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐
Location map attached to WCR _____ Data in Town Files ☐ _____

1. WELL OWNER Ernest Daunis P.O. Box 2 Wallingford, Vt 05773
Name — Permanent Mailing Address
OR
WELL PURCHASER _____
Name — Permanent Mailing Address

2. LOCATION OF WELL: TOWN Wallingford SUBDIVISION _____ LOT NO. _____
3. DATE WELL WAS COMPLETED 7/19/85
4. PROPOSED USE OF WELL: ☒ Domestic, ☐ Other _____
5. REASON FOR DRILLING WELL: ☒ New Supply, ☐ Replace Existing Supply, ☐ Deepen Existing Well, ☐ Test or Exploration, ☐ Provide Additional Supply, ☐ Other _____
6. DRILLING EQUIPMENT: ☐ Cable Tool, ☒ Rotary with A-P, ☐ Other _____
7. TYPE OF WELL: ☒ Open Hole in Bedrock, ☐ Open End Casing, ☐ Screened or Slotted, ☐ Other _____
8. TOTAL DEPTH OF WELL: 225 feet below land surface.
9. CASING FINISH: ☒ Above ground, Finished, ☐ Above ground, Unfinished, ☐ Buried, ☐ In Pit, ☐ Removed, ☐ None used, ☐ Other _____
10. CASING DETAILS: Total length 22 ft. Length below L.S 20 ft Dia. 6 in. Material Steel Wt 17 lb./ft.

NA LINER OR INNER CASING DETAILS: Length used _____ ft. Diameter _____ in. Material _____ Weight _____ lb./ft.

12. METHOD OF SEALING CASING TO BEDROCK: ☒ Drive Shoe, ☐ Grout - Type _____, Drilled ___ in. hole ___ ft. in Bedrock ☐ Other _____

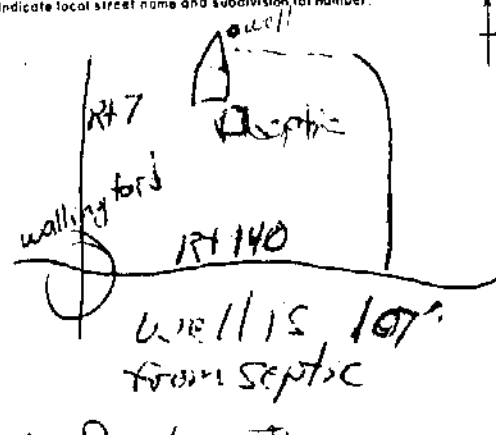
NA SCREEN DETAILS: Make and Type _____, Material _____, Length _____ ft., Diameter _____ in., Slot Size _____, Depth to top of screen in feet below land surface _____ ft., Gravel pack if used: Gravel Size or Type _____

14. YIELD TEST: ☐ Bailed, ☐ Pumped, ☒ Compressed Air, for 4 Hours at 8 Gallons per minute
Measured by ☒ Bucket, ☐ Orifice pipe, ☐ Wier, ☐ Meter ☐ Permanent Airline Installed
15. STATIC WATER LEVEL: 20 feet below land surface, Date or Time measured _____, Overflows at _____ G.P.M.
16. WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☐ No, If Yes, Where _____
17. SPECIAL NOTES: _____

18. WELL LOG

Depth from Land Surface: Feet	Feet	Water Bearing	Formation Description	Sketch
Ground Surface	0-22		Gravel	
22	225		Green slate	

19. SITE MAP
Show permanent structure such as buildings, septic tanks, and/or other land marks and indicate not less than two distances to the well. Indicate local street name and subdivision lot number.



20. TESTED YIELD
If the yield was tested at different depths during drilling, list below.

Feet	Gallons Per Minute

WELL DRILLED BY: Gerald Parker Jr.
DOING BUSINESS AS: Parker Water Wells
Company or Business Name
REPORT FILED BY: Gerald E. Parker Jr.
Authorized Signature
DATE OF REPORT: 1/11/86 WELL DRILLERS LIC. NO. 176

(For Driller's Use)

This report must be completed and submitted to the Department of Water Resources and Environmental Engineering, State Office Building, Montpelier, Vermont 05602, no later than 60 days after completion of the well.

DEPARTMENT OF WATER RESOURCES AND ENVIRONMENTAL ENGINEERING

WELL COMPLETION REPORT

JAN 2 3 1986

Location map attached to WCR ____

W.R. 168 U.S.G.S. ____

Field Location ☐ Map area 27ad

Latitude ____ ° ' " Elev. ____

Longitude ____ ° ' " Topo. ____

Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐

Data in Town Files ☐

1. WELL OWNER Larry Miller (Name) P.O Box 567 Rutland, Vt. 05701 (Permanent Mailing Address)

OR

WELL PURCHASER ____ (Name) ____ (Permanent Mailing Address)

2. LOCATION OF WELL: TOWN Wallingford ~~Clarendon~~ SUBDIVISION ____ LOT NO. ____

3. DATE WELL WAS COMPLETED 8-16-85

4. PROPOSED USE OF WELL: ☒ Domestic, ☐ Other ____

5. REASON FOR DRILLING WELL: ☒ New Supply, ☐ Replace Existing Supply, ☐ Deepen Existing Well, ☐ Test or Exploration, ☐ Provide Additional Supply, ☐ Other ____

6. DRILLING EQUIPMENT: ☐ Cable Tool, ☒ Rotary with A-P, ☐ Other ____

7. TYPE OF WELL: ☒ Open Hole in Bedrock, ☐ Open End Casing, ☐ Screened or Slotted, ☐ Other ____

8. TOTAL DEPTH OF WELL: 285 feet below land surface.

9. CASING FINISH: ☒ Above ground, Finished, ☐ Above ground, Unfinished, ☐ Buried, ☐ In Pit, ☐ Removed, ☐ None used, ☐ Other ____

10. CASING DETAILS: Total length 170 ft. Length below L.S ____ ft Dia. ____ in. Material ____ Wt ____ lb./ft.

N/A LINER OR INNER CASING DETAILS: Length used ____ ft. Diameter ____ in. Material ____ Weight ____ lb./ft.

12. METHOD OF SEALING CASING TO BEDROCK: ☒ Drive Shoe, ☐ Grout - type ____, Drilled ____ in. hole ____ ft in Bedrock ☐ Other ____

N/A SCREEN DETAILS: Make and Type ____, Material ____, Length ____ ft, Diameter ____ Slot Size ____, Depth to top of screen in feet below land surface ____ ft., Gravel pack if used: Gravel Size or Type ____

14. YIELD TEST: ☐ Bailed, ☐ Pumped, ☒ Compressed Air, for 4 Hours at 20 Gallons per minute

Measured by ☒ Bucket, ☐ Orifice pipe, ☐ Wier, ☐ Meter ☐ Permanent Airline instr

15. STATIC WATER LEVEL: 15 feet below land surface, Date or Time measured ____, Overflows at ____ G P M

16. WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☐ No, If Yes, Where ____

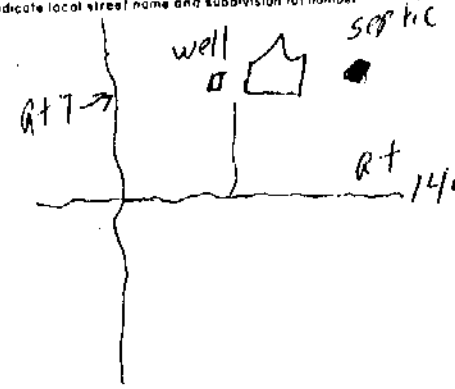
17. SPECIAL NOTES: ____

18. WELL LOG

Depth from Land Surface: Feet	Feet	Water Bearing	Formation Description	Sketch
Ground Surface	170		MUD	
170	285		Green SHALE + Limestone	

19. SITE MAP

Show permanent structure such as buildings, septic tanks, and/o other land marks and indicate not less than two distances to the wel Indicate local street name and subdivision lot number



20. TESTED YIELD

If the yield was tested at different depths during drilling, list below.

Feet	Gallons Per Minute

WELL DRILLED BY: Gerald Parker Jr

DOING BUSINESS AS: Parker Water Wells (Company or Business Name)

REPORT FILED BY: Gerald E. Parker Jr. (Authorized Signature)

DATE OF REPORT: 1/16/86 WELL DRILLERS LIC. NO. 17

WELL NUMBER

(For Driller's Use)

This report must be completed and submitted to the Department of Water Resources and Environmental Engineering, State Office Building, Montpelier, Vermont 05602, no later than 60 days after completion of the well.

State of Vermont

DEPARTMENT OF WATER RESOURCES AND ENVIRONMENTAL ENGINEERING

WELL COMPLETION REPORT

FEB 11 1986

Location map attached to WCR 171

WATER RESOURCE USE ONLY

W.R. 173 U.S.G.S. ____

Field Location ☐ Map area 27nd

Latitude ____ ° ' " Elev. ____

Longitude ____ ° ' " Topo. ____

Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐

Data in Town Files ☐

1. WELL OWNER David and Sarah Treat Box 2388 Rutland, Vt
Name — Permanent Mailing Address

OR

WELL PURCHASER ____
Name — Permanent Mailing Address

2. LOCATION OF WELL: TOWN Wallingford SUBDIVISION ____ LOT NO. ____

3. DATE WELL WAS COMPLETED 7-29-85

4. PROPOSED USE OF WELL: ☒ Domestic, ☐ Other ____

5. REASON FOR DRILLING WELL: ☐ New Supply, ☐ Replace Existing Supply, ☒ Deepen Existing Well, ☐ Test or Exploration, ☐ Provide Additional Supply, ☐ Other ____

6. DRILLING EQUIPMENT: ☐ Cable Tool, ☒ Rotary with A-P, ☐ Other ____

7. TYPE OF WELL: ☒ Open Hole in Bedrock, ☐ Open End Casing, ☐ Screened or Slotted, ☐ Other ____

8. TOTAL DEPTH OF WELL: 165 feet below land surface.

9. CASING FINISH: ☒ Above ground, Finished, ☐ Above ground, Unfinished, ☐ Buried, ☐ In Pit, ☐ Removed, ☐ None used, ☐ Other ____

10. CASING DETAILS: Total length 130 ft. Length below L.S. 128 ft. Dia. 6 in. Material Steel Wt 17 lb./ft.

11. LINER OR INNER CASING DETAILS: Length used ____ ft. Diameter ____ in. Material ____ Weight ____ lb./ft.

12. METHOD OF SEALING CASING TO BEDROCK: ☒ Drive Shoe, ☐ Grout – type ____, Drilled ____ in. hole ____ ft. in Bedrock ☐ Other ____

13. SCREEN DETAILS: Make and Type ____, Material ____, Length ____ ft., Diameter ____ Slot Size ____, Depth to top of screen in feet below land surface ____ ft., Gravel pack if used: Gravel Size or Type ____

14. YIELD TEST: ☐ Bailed, ☐ Pumped, ☐ Compressed Air, for 4 Hours at 20 Gallons per minute
Measured by ☒ Bucket, ☐ Orifice pipe, ☐ Weir, ☐ Meter ☐ Permanent Airline Inst

15. STATIC WATER LEVEL: 14 feet below land surface, Date or Time measured ____, Overflows at ____ G.P.M.

16. WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☐ No, If Yes, Where ____

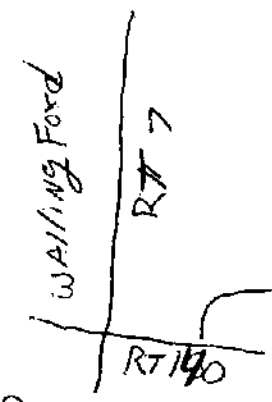
17. SPECIAL NOTES: ____

18. WELL LOG

Depth from Land Surface Feet	Feet	Water Bearing	Formation Description	Sketch
Ground Surface	80		CLAY	
80	130		Gravel	
130	165		Broken up lime Stone	
100	130		GRAVEL	
130	165		Broken up Limestone	

For completion

19. SITE MAP
Show permanent structure such as buildings, septic tanks, and/or other land marks and indicate not less than two distances to the well. Indicate local street name and subdivision lot number.



20. TESTED YIELD
If the yield was tested at different depths during drilling, list below.

Feet	Gallons Per Minute

WELL DRILLED BY: Gerald Parker, Jr.

DOING BUSINESS AS: Parker Water Wells
Company or Business Name

REPORT FILED BY: Gerald E. Parker Jr.
Authorized Signature

DATE OF REPORT: 1-24-86 WELL DRILLERS LIC. NO. 176

WELL NUMBER

(For Driller's Use)

This report must be completed and submitted to the Department of Water Resources and Environmental Engineering, State Office Building, Montpelier, Vermont 05602, no later than 60 days after completion of the well.

State of Vermont

DEPARTMENT OF WATER RESOURCES AND ENVIRONMENTAL ENGINEERING

WELL COMPLETION REPORT

SEP 23 1997 FEB 11 1986

Location map attached to WCR ____

WATER RESOURCE USE ONLY

W.R. 174 U.S.G.S. ____

Field Location ☐ Map area 27a 1

Latitude ____ ° ' " Elev. ____

Longitude ____ ° ' " Topo. ____

Scale: 62,500 ☐, 25,000 ☐, 24,000

Data in Town Files ☐

1. WELL OWNER David & Sarah Treat Brea Mead Dr. Box 2388 Rutland
Name — Permanent Mailing Address

OR

WELL PURCHASER ____
Name — Permanent Mailing Address

2. LOCATION OF WELL: TOWN Wallingford SUBDIVISION ____ LOT NO. ____

3. DATE WELL WAS COMPLETED 6-29-85

4. PROPOSED USE OF WELL: ☒ Domestic, ☐ Other ____

5. REASON FOR DRILLING WELL: ☒ New Supply, ☐ Replace Existing Supply, ☐ Deepen Existing Well, ☐ Test or Exploration, ☐ Provide Additional Supply, ☐ Other ____

6. DRILLING EQUIPMENT: ☐ Cable Tool, ☒ Rotary with A-P, ☐ Other ____

7. TYPE OF WELL: ☒ Open Hole in Bedrock, ☐ Open End Casing, ☐ Screened or Slotted, ☐ Other ____

8. TOTAL DEPTH OF WELL: 125 feet below land surface.

9. CASING FINISH: ☒ Above ground, Finished, ☐ Above ground, Unfinished, ☐ Buried, ☐ In Pit, ☐ Removed, ☐ None used, ☐ Other ____

10. CASING DETAILS: Total length 100 ft. Length below L.S. 98 ft. Dia. 6 in. Material Steel Wt. 17 lb./ft.

NA LINER OR INNER CASING DETAILS: Length used ____ ft. Diameter ____ in. Material ____ Weight ____ lb./ft.

12. METHOD OF SEALING CASING TO BEDROCK: ☒ Drive Shoe, ☐ Grout – type ____, Drilled ____ in. hole ____ ft. in Bedrock ☐ Other ____

NA SCREEN DETAILS: Make and Type ____, Material ____, Length ____ ft., Diameter ____ Slot Size ____, Depth to top of screen in feet below land surface ____ ft., Gravel pack if used: Gravel Size or Type ____

14. YIELD TEST: ☐ Bailed, ☐ Pumped, ☒ Compressed Air, for 4 Hours at 20 Gallons per minute

Measured by ☒ Bucket, ☐ Orifice pipe, ☐ Weir, ☐ Meter ☐ Permanent Airline In

15. STATIC WATER LEVEL: 30 feet below land surface, Date or Time measured ____, Overflows at ____ G.P.M.

16. WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☐ No, If Yes, Where ____

17. SPECIAL NOTES: ____

18. [redacted]

Depth from Land Surface Feet	Feet	Water Bearing	Formation Description	Sketch
Ground Surface	50		CLAY + Boulders	
50	70		HARD PAN	
70	125		UNCONSOLIDATED ROCK	

19. SITE MAP
Show permanent structure such as buildings, septic tanks, and other land marks and indicate not less than two distances to the w indicate local street name and subdivision lot number.

20. TESTED YIELD
If the yield was tested at different depths during drilling, list below.

Feet	Gallons Per Minute

WELL DRILLED BY: Gerald Parker, Jr.

DOING BUSINESS AS: Parker Water Wells
Company or Business Name

REPORT FILED BY: Gerald Parker Jr.
Authorized Signature

DATE OF REPORT: 1-24-86 WELL DRILLERS LIC. NO. 17

State of Vermont

DEPARTMENT OF WATER RESOURCES AND ENVIRONMENTAL ENGINEERING

WELL COMPLETION REPORT

FEB 11 1986

(For Driller's Use)

This report must be completed and submitted to the Department of Water Resources and Environmental Engineering, State Office Building, Montpelier, Vermont 05602, no later than 60 days after completion of the well.

WATER RESOURCE USE ONLY

W.R. 175 U.S.G.S. ____

Field Location ☐ Map area 27a1

Latitude ____ ° ' " Elev. ____

Longitude ____ ° ' " Topo. ____

Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐

Location map attached to WCR ____ Data in Town Files ☐ ____

1. WELL OWNER ____ (Name) ____ (Permanent Mailing Address)

OR

WELL PURCHASER Ron Boucher (Name) RFD Wallingford, Vt (Permanent Mailing Address)

2. LOCATION OF WELL: TOWN Wallingford SUBDIVISION ____ LOT NO. ____

3. DATE WELL WAS COMPLETED 1-10-86

4. PROPOSED USE OF WELL: ☒ Domestic, ☐ Other ____

5. REASON FOR DRILLING WELL: ☒ New Supply, ☐ Replace Existing Supply, ☐ Deepen Existing Well, ☐ Test or Exploration, ☐ Provide Additional Supply, ☐ Other ____

6. DRILLING EQUIPMENT: ☐ Cable Tool, ☒ Rotary with A-P, ☐ Other ____

7. TYPE OF WELL: ☒ Open Hole in Bedrock, ☐ Open End Casing, ☐ Screened or Slotted; ☐ Other ____

8. TOTAL DEPTH OF WELL: 105 feet below land surface.

9. CASING FINISH: ☒ Above ground, Finished, ☐ Above ground, Unfinished, ☐ Buried, ☐ In Pit, ☐ Removed, ☐ None used, ☐ Other ____

10. CASING DETAILS: Total length 82 ft. Length below L.S. 80 ft. Dia. 6 in. Material Steel Wt. 17 lb./ft.

N/A LINER OR INNER CASING DETAILS: Length used ____ ft. Diameter ____ in. Material ____ Weight ____ lb./ft.

12. METHOD OF SEALING CASING TO BEDROCK: ☒ Drive Shoe, ☐ Grout - type ____, Drilled ____ in. hole ____ ft. in Bedrock ☐ Other ____

N/A SCREEN DETAILS: Make and Type ____, Material ____, Length ____ ft., Diameter ____ Slot Size ____, Depth to top of screen in feet below land surface ____ ft., Gravel pack if used: Gravel Size or Type ____

14. YIELD TEST: ☐ Bailed, ☐ Pumped, ☒ Compressed Air, for 2 Hours at 15 Gallons per minute

Measured by ☒ Bucket, ☐ Orifice pipe, ☐ Weir, ☐ Meter ☐ Permanent Airline Insta

15. STATIC WATER LEVEL: 26 feet below land surface, Date or Time measured ____, Overflows at ____ G.P.M.

16. WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☐ No, If Yes, Where ____

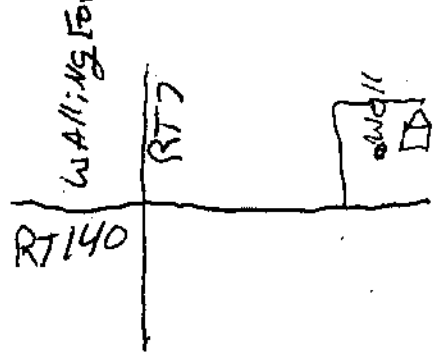
17. SPECIAL NOTES: ____

18. WELL LOG

Depth from Land Surface: Feet	Feet	Water Bearing	Formation Description	Sketch
Ground Surface	50		gravel and Gray Clay	
50	80		gray CLAY	
80	105		gravel	

19. SITE MAP

Show permanent structure such as buildings, septic tanks, and/or other land marks and indicate not less than two distances to the well. Indicate local street name and subdivision lot number.



20. TESTED YIELD

If the yield was tested at different depths during drilling, list below.

Feet	Gallons Per Minute

WELL DRILLED BY: Gerald Parker, Jr.

DOING BUSINESS AS: Parker Water Wells (Company or Business Name)

REPORT FILED BY: Gerald E. Parker Jr. (Authorized Signature)

DATE OF REPORT: 1/27/86 WELL DRILLERS LIC. NO. 176

WELL NUMBER

133

(For Driller's Use)

This report must be completed and submitted to the Department of Water Resources and Environmental Engineering, State Office Building, Montpelier, Vermont 05602, no later than 60 days after completion of the well.

State of Vermont

DEPARTMENT OF WATER RESOURCES AND ENVIRONMENTAL ENGINEERING

WELL COMPLETION REPORT

WATER RESOURCE USE ONLY

W.R. 182 U.S.G.S. ____

Field Location ☐ Map area 27a-1

Latitude ____ ° ' " Elev. ____

Longitude ____ ° ' " Topo. ____

Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐

Location map attached to WCR ____ Data in Town Files ☐ ____

1. WELL OWNER Chris Edmunds (Name) Box 274 Wallingford, Vt. 05773 (Permanent Mailing Address)

OR

WELL PURCHASER ____ (Name) ____ (Permanent Mailing Address)

2. LOCATION OF WELL: TOWN Wallingford SUBDIVISION Church St. LOT NO. ____

3. DATE WELL WAS COMPLETED 8/18/86

4. PROPOSED USE OF WELL: ☒ Domestic, ☐ Other ____

5. REASON FOR DRILLING WELL: ☒ New Supply, ☐ Replace Existing Supply, ☐ Deepen Existing Well, ☐ Test or Exploration, ☐ Provide Additional Supply, ☐ Other ____

6. DRILLING EQUIPMENT: ☐ Cable Tool, ☒ Rotary with A-P, ☐ Other ____

7. TYPE OF WELL: ☒ Open Hole in Bedrock, ☐ Open End Casing, ☐ Screened or Slotted; ☐ Other ____

8. TOTAL DEPTH OF WELL: 272 ft. feet below land surface.

9. CASING FINISH: ☐ Above ground, Finished, ☒ Above ground, Unfinished, ☐ Buried, ☐ In Pit, ☐ Removed, ☐ None used, ☐ Other ____

10. CASING DETAILS: Total length 61 ft. Length below L.S. 60 ft Dia 7 in. Material steel wt 23 lb/ft

11. LINER OR INNER CASING DETAILS: Length used ____ ft. Diameter ____ in Material ____ Weight ____ lb./ft.

12. METHOD OF SEALING CASING TO BEDROCK: ☒ Drive Shoe, ☐ Grout - type ____, Drilled 8 in. hole 20 ft in Bedrock ☐ Other ____

13. SCREEN DETAILS: Make and Type ____, Material ____, Length ____ ft, Diameter ____ in. Slot Size ____, Depth to top of screen in feet below land surface ____ ft., Gravel pack if used. Gravel Size or Type ____

14. YIELD TEST: ☐ Bailed, ☐ Pumped, ☒ Compressed Air, for 1/2 Hours at 2 1/2 Gallons per minute

Measured by ☒ Bucket, ☐ Orifice pipe, ☐ Weir, ☐ Meter ☐ Permanent Airline Installe

15. STATIC WATER LEVEL: 15 feet below land surface, Date or Time measured 8/18/86, Overflows at ____ G P M

16. WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☒ No, If Yes, Where ____

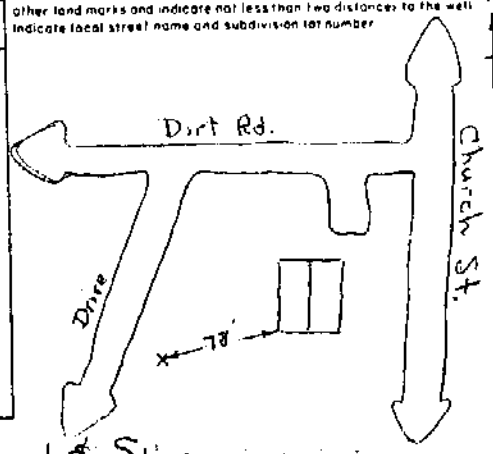
17. SPECIAL NOTES: ____

18. WELL LOG

Depth from Land Surface Feet	Feet	Water Bearing	Formation Description	Sketch
Ground Surface	40		sand/gravel	
40	60		ledge (shale)	
60	80	No	~~brown ledge~~ Solid brown shale	
80	95		~~ledge~~ gray shale	
95	105	No	quartz & gray shale mixed	
105	210		gray shale	
210	212	No	quartz seam	
212	240		gray shale	

19. SITE MAP

Show permanent structure such as buildings, septic tanks, and/or other land marks and indicate not less than two distances to the well. Indicate local street name and subdivision lot number.



(over)

20. TESTED YIELD

If the yield was tested at different depths during drilling, list below

Feet	Gallons Per Minute
272'	2½

WELL DRILLED BY: Hayward & Spear

DOING BUSINESS AS: Ottauquechee Well Drilling Inc (Company or Business Name)

REPORT FILED BY: [signature] (Authorized Signature)

DATE OF REPORT: 8-18-86 WELL DRILLERS LIC. NO 213

(For Driller's Use)

This report must be completed and submitted to the Department of Water Resources and Environmental Engineering, no later than 60 days after completion of the well.

DEPARTMENT OF WATER RESOURCES AND ENVIRONMENTAL ENGINEERING
WELL COMPLETION REPORT

W.R. 193 U.S.G.S. ____
Field Location ☐ Map area 21A
Latitude ____ ° ' " Elev. ____
Longitude ____ ° ' " Topo. ____
Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐
Location map attached to WCR ____ Data in Town Files ☐ ____

1. WELL OWNER Gary Fredette P.O. Box 239 Wallingford, VT. 05773
Name — Permanent Mailing Address
OR
WELL PURCHASER ____
Name — Permanent Mailing Address

2. LOCATION OF WELL: TOWN Wallingford SUBDIVISION ____ LOT NO. ____
3. DATE WELL WAS COMPLETED 11/26/86
4. PROPOSED USE OF WELL: ☒ Domestic, ☐ Other ____
5. REASON FOR DRILLING WELL: ☒ New Supply, ☐ Replace Existing Supply, ☐ Deepen Existing Well, ☐ Test or Exploration, ☐ Provide Additional Supply, ☐ Other ____
6. DRILLING EQUIPMENT: ☐ Cable Tool, ☒ Rotary with A-P, ☐ Other ____
7. TYPE OF WELL: ☒ Open Hole in Bedrock, ☐ Open End Casing, ☐ Screened or Slotted, ☐ Other ____
8. TOTAL DEPTH OF WELL: 200 feet below land surface.
9. CASING FINISH: ☒ Above ground, Finished, ☐ Above ground, Unfinished, ☐ Buried, ☐ In Pit, ☐ Removed, ☐ None used, ☐ Other ____
10. CASING DETAILS: Total length 50 ft Length below L.S 48 ft Dia. 6 in. Material Steel wt. 17 lb/ft
NA LINER OR INNER CASING DETAILS: Length used ____ ft. Diameter ____ in Material ____ Weight ____ lb./ft.
12. METHOD OF SEALING CASING TO BEDROCK: ☒ Drive Shoe, ☐ Grout - type ____, Drilled ____ in hole ____ ft in Bedrock ☐ Other ____

NA SCREEN DETAILS: Make and Type ____, Material ____, Length ____ ft, Diameter ____ in, Slot Size ____, Depth to top of screen in feet below land surface ____ ft, Gravel pack if used: Gravel Size or Type ____

14. YIELD TEST: ☐ Bailed, ☐ Pumped, ☒ Compressed Air, for 4 Hours at 50 Gallons per minute
Measured by ☒ Bucket, ☐ Orifice pipe, ☐ Weir, ☐ Meter ☐ Permanent Airline Installed
15. STATIC WATER LEVEL: 18 feet below land surface, Date or Time measured ____, Overflows at ____ G.P.M
16. WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☐ No, If Yes, Where ____
17. SPECIAL NOTES: ____

18. WELL LOG

Depth from Land Surface Feet	Feet	Water Bearing	Formation Description	Sketch
Ground Surface	40		SAND	
40	200		lime STONE	

19. SITE MAP
Show permanent structure such as buildings, septic tanks, and/or other land marks and indicate not less than two distances to the well. Indicate local street name and subdivision lot number. N

20. TESTED YIELD
If the yield was tested at different depths during drilling, list below.

Feet	Gallons Per Minute

WELL DRILLED BY: Gerald Parker Jr.
DOING BUSINESS AS: Parker Water Wells
Company or Business Name
REPORT FILED BY: Gerald Parker Jr.
Authorized Signature
DATE OF REPORT: 1/19/87 WELL DRILLERS LIC. NO. 176

(For Driller's Use)

This report must be completed and submitted to the Department of Water Resources and Environmental Engineering, no later than 60 days after completion of the well.

DEPARTMENT OF WATER RESOURCES AND ENVIRONMENTAL ENGINEERING
WELL COMPLETION REPORT

W.R. 203 U.S.G.S. ____
Field Location ☐ Map area 27A1
Latitude ____ ° ' " Elev. ____
Longitude ____ ° ' " Topo. ____
Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐
Location map attached to WCR ____ Data in Town Files ☐ ____

1. WELL OWNER Chip Moyer RR2. Box 1408 W. Rutland, VT. 057
Name — Permanent Mailing Address
OR
WELL PURCHASER ____
Name — Permanent Mailing Address

2. LOCATION OF WELL: TOWN Wallingford SUBDIVISION ____ LOT NO. ____

3. DATE WELL WAS COMPLETED 7-24-87

4. PROPOSED USE OF WELL: ☒ Domestic, ☐ Other ____

5. REASON FOR DRILLING WELL: ☒ New Supply, ☐ Replace Existing Supply, ☐ Deepen Existing Well, ☐ Test or Exploration, ☐ Provide Additional Supply, ☐ Other ____

6. DRILLING EQUIPMENT: ☐ Cable Tool, ☒ Rotary with A-P, ☐ Other ____

7. TYPE OF WELL: ☒ Open Hole in Bedrock, ☐ Open End Casing, ☐ Screened or Slotted, ☐ Other ____

8. TOTAL DEPTH OF WELL: 305 feet below land surface.

9. CASING FINISH: ☒ Above ground, Finished, ☐ Above ground, Unfinished, ☐ Buried, ☐ In Pit, ☐ Removed, ☐ None used, ☐ Other ____

10. CASING DETAILS: Total length 32 ft Length below L S 30 ft Dia. 6 in. Material Steel Wt 17 lb/ft

N/A LINER OR INNER CASING DETAILS: Length used ____ ft Diameter ____ in. Material ____ Weight ____ lb./ft.

12. METHOD OF SEALING CASING TO BEDROCK: ☒ Drive Shoe, ☐ Grout - type ____, Drilled ____ in hole ____ ft in Bedrock ☐ Other ____

N/A SCREEN DETAILS: Make and Type ____, Material ____, Length ____ ft, Diameter ____ in. Slot Size ____, Depth to top of screen in feet below land surface ____ ft, Gravel pack if used: Gravel Size or Type ____

14. YIELD TEST: ☐ Bailed, ☐ Pumped, ☒ Compressed Air, for 2 Hours at 8 Gallons per minute
Measured by ☒ Bucket, ☐ Orifice pipe, ☐ Wier, ☐ Meter ☐ Permanent Airline installed

15. STATIC WATER LEVEL: ____ feet below land surface, Date or Time measured ____, Overflows at ____ G.P.M.

16. WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☐ No, If Yes, Where ____

17. SPECIAL NOTES: ____

18. WELL LOG

Depth from Land Surface Feet	Depth from Land Surface Feet	Water Bearing	Formation Description	Sketch
Ground Surface				
—				

rch 22

19. SITE MAP
Show permanent structure such as buildings, septic tanks, and/or other land marks and indicate not less than two distances to the well. Indicate local street name and subdivision lot number

N

20. TESTED YIELD
If the yield was tested at different depths during drilling, list below

Feet	Gallons Per Minute

WELL DRILLED BY: Gerald Parker Jr.

DOING BUSINESS AS: Parker Water Wells
Company or Business Name

REPORT FILED BY: Gerald Parker Jr.
Authorized Signature

DATE OF REPORT: 12-30-87 WELL DRILLERS LIC. NO. 176

(For Drillier's Use)

This report must be completed and submitted to the Department of Water Resources and Environmental Engineering, no later than 60 days after completion of the well.

DEPARTMENT OF WATER RESOURCES AND ENVIRONMENTAL ENGINEERING

WELL COMPLETION REPORT

Location map attached to WCR ____

W.R. 206 U.S.G.S. ____
Field Location ☐ Map area 27A1
Latitude ____ ° ' " Elev. ____
Longitude ____ ° ' " Topo. ____
Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐
Data in Town Files ☐ ____

1. WELL OWNER ____ (Name) ____ (Permanent Mailing Address)
OR
WELL PURCHASER Bob Johnson (Name) S. Walling Ford, VT. (Permanent Mailing Address)

2. LOCATION OF WELL: TOWN Walling Ford SUBDIVISION ____ LOT NO. ____

3. DATE WELL WAS COMPLETED 7-17-87

4. PROPOSED USE OF WELL: ☒ Domestic, ☐ Other ____

5. REASON FOR DRILLING WELL: ☒ New Supply, ☐ Replace Existing Supply, ☐ Deepen Existing Well, ☐ Test or Exploration, ☐ Provide Additional Supply, ☐ Other ____

6. DRILLING EQUIPMENT: ☐ Cable Tool, ☒ Rotary with A-P, ☐ Other ____

7. TYPE OF WELL: ☒ Open Hole in Bedrock, ☐ Open End Casing, ☐ Screened or Slotted, ☐ Other ____

8. TOTAL DEPTH OF WELL: 385 feet below land surface.

9. CASING FINISH: ☒ Above ground, Finished, ☐ Above ground, Unfinished, ☐ Buried, ☐ In Pit, ☐ Removed, ☐ None used, ☐ Other ____

10. CASING DETAILS: Total length 32 ft. Length below L.S. 30 ft Dia. 6 in. Material Steel wt 17 lb./ft

N/A LINER OR INNER CASING DETAILS: Length used ____ ft Diameter ____ in Material ____ Weight ____ lb./ft.

12. METHOD OF SEALING CASING TO BEDROCK: ☒ Drive Shoe, ☐ Grout – type ____, Drilled ____ in hole ____ ft in Bedrock ☐ Other ____

N/A SCREEN DETAILS: Make and Type ____, Material ____, Length ____ ft, Diameter ____ in. Slot Size ____, Depth to top of screen in feet below land surface ____ ft, Gravel pack if used: Gravel Size or Type ____

14. YIELD TEST: ☐ Bailed, ☐ Pumped, ☒ Compressed Air, for 2 Hours at 2 Gallons per minute
Measured by ☒ Bucket, ☐ Orifice pipe, ☐ Weir, ☐ Meter ☐ Permanent Airline Installed

15. STATIC WATER LEVEL: 50 feet below land surface, Date or Time measured 7-17-87, Overflows at ____ G.P.M.

16. WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☐ No, If Yes, Where ____

17. SPECIAL NOTES: ____

18. WELL LOG

Depth from Land Surface Feet	Feet	Water Bearing	Formation Description	Sketch
Ground Surface	27		Loom	
27	385		Lime Stone	

19. SITE MAP
Show permanent structure such as buildings, septic tanks, and/or other land marks and indicate not less than two distances to the well. Indicate local street name and subdivision lot number
N

20. TESTED YIELD
If the yield was tested at different depths during drilling, list below

Feet	Gallons Per Minute

WELL DRILLED BY: Gerald Parker, Jr.

DOING BUSINESS AS: Parker Water Wells (Company or Business Name)

REPORT FILED BY: Gerald Parker Jr (Authorized Signature)

DATE OF REPORT: 12-30-87 WELL DRILLERS LIC. NO. 176

WELL NO. / TAG NO. 119
(For Driller's Use)

This report must be completed and submitted to the Department of Environmental Conservation 103 South Main Street (10 N), Waterbury, Vt. 05676 no later than 60 days after completion of the well.

State of Vermont
Dept. of Environmental Conservation
103 South Main Street (10 N)
Waterbury, Vt. 05676

WELL COMPLETION REPORT

Location map attached to WCR ____

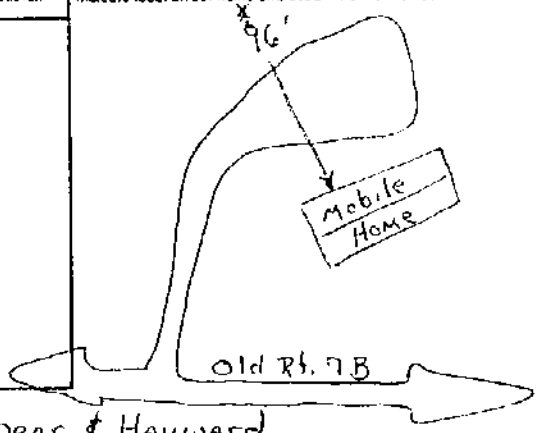
DEPARTMENT USE ONLY
E.C. 212 U.S.G.S. ____
Field Location ☐ Map area 27A1
Latitude ____ ° ' " Elev. ____
Longitude ____ ° ' " Topo. ____
Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐
Data in Town Files ☐ ____

1. WELL OWNER Bert Morton (Name) (Permanent Mailing Address)
OR
WELL PURCHASER Phil Baker Green Hill Excavation Church St. Ext. Box 217 (Name) (Permanent Mailing Address) Wallingford, Vt. 05773
2. LOCATION OF WELL: TOWN Wallingford SUBDIVISION Old Rt 7B LOT NO. ____
3. DATE WELL WAS COMPLETED 10-8-87
4. PROPOSED USE OF WELL: ☒ Domestic, ☐ Other ____
5. REASON FOR DRILLING WELL: ☒ New Supply, ☐ Replace Existing Supply, ☐ Deepen Existing Well, ☐ Test or Exploration, ☐ Provide Additional Supply, ☐ Other ____
6. DRILLING EQUIPMENT: ☐ Cable Tool, ☒ Rotary with A-P, ☐ Other ____
7. TYPE OF WELL: ☒ Open Hole in Bedrock, ☐ Open End Casing, ☐ Screened or Slotted, ☐ Other ____
8. TOTAL DEPTH OF WELL: 310' feet below land surface
9. CASING FINISH: ☐ Above ground, Finished, ☒ Above ground, Unfinished, ☐ Buried, ☐ In Pit, ☐ Removed, ☐ None used, ☐ Other ____
10. CASING DETAILS: Total length 60 ft Length below L.S 58 ft Dia. 7 in. Material Steel wt 23 lb./ft
11. LINER OR INNER CASING DETAILS: Length used ____ ft Diameter ____ in. Material ____ Weight ____ lb./ft.
12. METHOD OF SEALING CASING TO BEDROCK: ☒ Drive Shoe, ☐ Grout - type ____, Drilled 8 in. hole 11 ft in Bedrock ☐ Other ____
13. SCREEN DETAILS: Make and Type ____, Material ____, Length ____ ft., Diameter ____ in. Slot Size ____, Depth to top of screen in feet below land surface ____ ft, Gravel pack if used. Gravel Size or Type ____
14. YIELD TEST: ☐ Bailed, ☐ Pumped, ☒ Compressed Air, for 1/2 Hours at 12 Gallons per minute
Measured by ☒ Bucket, ☐ Orifice pipe, ☐ Weir, ☐ Meter ☐ Permanent Airline install
15. STATIC WATER LEVEL: ____ feet below land surface, Date or Time measured ____, Overflows at ____ G P M
16. WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☒ No, If Yes, Where ____
17. SPECIAL NOTES: ____

18. WELL LOG

Depth from Land Surface Feet	Feet	Water Bearing	Formation Description	Sketch
Ground Surface	35	No	Gravel & Sand	
35	47		Soft brown Limestone ledge	
47	300		Solid blue Limestone	
300	302	Yes	Soft brown Limestone with 12gpm	
302	310		blue Limestone	

19. SITE MAP
Show permanent structure such as buildings, septic tanks, and/or other land marks and indicate not less than two distances to the well. Indicate local street name and subdivision lot number



20. TESTED YIELD
If the yield was tested at different depths during drilling, list below.

Feet	Gallons Per Minute
310	12

WELL DRILLED BY: Spear & Hayward
DOING BUSINESS AS: Ottauquechee Well Drilling, Inc. (Company or Business Name)
REPORT FILED BY: George Spear (Authorized Signature)
DATE OF REPORT: 10-8-87 WELL DRILLERS LIC. NO. 213

(For Driller's Use)

This report must be completed and submitted to the Department of Water Resources and Environmental Engineering, no later than 60 days after completion of the well.

DEPARTMENT OF WATER RESOURCES AND ENVIRONMENTAL ENGINEERING
WELL COMPLETION REPORT

W.R. 213 U.S.G.S. ____
Field Location ☐ Map area 27A1
Latitude ____ ° ' " Elev. ____
Longitude ____ ° ' " Topo. ____
Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐
Location map attached to WCR ____ Data in Town Files ☐ ____

1. WELL OWNER Mike Murphy (Name) RFD Wallingford, Vt. 05773 (Permanent Mailing Address)
OR
WELL PURCHASER ____ (Name) ____ (Permanent Mailing Address)
2. LOCATION OF WELL: TOWN Wallingford SUBDIVISION ____ LOT NO. ____
3. DATE WELL WAS COMPLETED 4-17-87
4. PROPOSED USE OF WELL: ☒ Domestic, ☐ Other ____
5. REASON FOR DRILLING WELL: ☒ New Supply, ☐ Replace Existing Supply, ☐ Deepen Existing Well, ☐ Test or Exploration, ☐ Provide Additional Supply, ☐ Other ____
6. DRILLING EQUIPMENT: ☐ Cable Tool, ☒ Rotary with A-P, ☐ Other ____
7. TYPE OF WELL: ☒ Open Hole in Bedrock, ☐ Open End Casing, ☐ Screened or Slotted, ☐ Other ____
8. TOTAL DEPTH OF WELL: 265 feet below land surface.
9. CASING FINISH: ☒ Above ground, Finished, ☐ Above ground, Unfinished, ☐ Buried, ☐ In Pit, ☐ Removed, ☐ None used, ☐ Other ____
10. CASING DETAILS: Total length 126 ft Length below L.S 124 ft Dia. 6 in. Material Steel Wt 17 lb./ft.
NA LINER OR INNER CASING DETAILS: Length used ____ ft Diameter ____ in. Material ____ Weight ____ lb./ft.
12. METHOD OF SEALING CASING TO BEDROCK: ☒ Drive Shoe, ☐ Grout - type ____, Drilled ____ in hole ____ ft in Bedrock ☐ Other ____

NA SCREEN DETAILS: Make and Type ____, Material ____, Length ____ ft, Diameter ____ in, Slot Size ____, Depth to top of screen in feet below land surface ____ ft, Gravel pack if used. Gravel Size or Type ____

14. YIELD TEST: ☐ Bailed, ☐ Pumped, ☒ Compressed Air, for 2 Hours at 7 Gallons per minute
Measured by ☒ Bucket, ☐ Orifice pipe, ☐ Weir, ☐ Meter ☐ Permanent Airline Installed
15. STATIC WATER LEVEL: 30 feet below land surface, Date or Time measured ____, Overflows at ____ G.P.M.
16. WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☐ No, If Yes, Where ____
17. SPECIAL NOTES: ____

18. WELL LOG

Depth from Land Surface Feet	Feet	Water Bearing	Formation Description	Sketch
Ground Surface	50		CLAY	
50	115		SAND	
115	265		QUARTS	

19. SITE MAP
Show permanent structure such as buildings, septic tanks, and/or other land marks and indicate not less than two distances to the well. Indicate local street name and subdivision lot number
N

20. TESTED YIELD
If the yield was tested at different depths during drilling, list below.

Feet	Gallons Per Minute

WELL DRILLED BY: Gerald Parker, Jr.
DOING BUSINESS AS: Parker Water Wells (Company or Business Name)
REPORT FILED BY: Gerald Parker Jr. (Authorized Signature)
DATE OF REPORT: 12-29-87 WELL DRILLERS LIC. NO. 176

(For Driller's Use)

This report must be completed and submitted to the Department of Water Resources and Environmental Engineering, no later than 60 days after completion of the well.

DEPARTMENT OF WATER RESOURCES AND ENVIRONMENTAL ENGINEERING

WELL COMPLETION REPORT

SEP 27 1988

Location map attached to WCR _____

W.R. 219 U.S.G.S. _____

Field Location ☐ Map area 27A1

Latitude ___ ° ___ ' ___ " Elev. _____

Longitude ___ ° ___ ' ___ " Topo. _____

Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐

Data in Town Files ☐

1. WELL OWNER Charles Gottlieb, Jr. (Name) RD 1 Box 162 Wallingford, VT 05773 (Permanent Mailing Address)
   OR
   WELL PURCHASER _____ (Name) _____ (Permanent Mailing Address)
2. LOCATION OF WELL: TOWN Wallingford SUBDIVISION _____ LOT NO. _____
3. DATE WELL WAS COMPLETED 8-1-88
4. PROPOSED USE OF WELL: ■ Domestic, ☐ Other _____
5. REASON FOR DRILLING WELL: ☐ New Supply, ■ Replace Existing Supply, ☐ Deepen Existing Well, ☐ Test or Exploration, ☐ Provide Additional Supply, ☐ Other _____
6. DRILLING EQUIPMENT: ☐ Cable Tool, ■ Rotary with A-P, ☐ Other _____
7. TYPE OF WELL: ■ Open Hole in Bedrock, ☐ Open End Casing, ☐ Screened or Slotted, ☐ Other _____
8. TOTAL DEPTH OF WELL: 665 feet below land surface.
9. CASING FINISH: ■ Above ground, Finished, ☐ Above ground, Unfinished, ☐ Buried, ☐ In Pit, ☐ Removed, ☐ None used, ☐ Other _____
10. CASING DETAILS: Total length 80 ft. Length below L.S 75 ft Dia. 6" in. Material Steel Wt. 17 lb./ft.
11. LINER OR INNER CASING DETAILS: Length used 90 ft. Diameter 4" in. Material PVC Weight 40 lb./ft.
12. METHOD OF SEALING CASING TO BEDROCK: ■ Drive Shoe, ☐ Grout - type _____, Drilled ___ in. hole ___ ft. in Bedrock ☐ Other _____

13. SCREEN DETAILS: Make and Type _____, Material _____, Length _____ ft., Diameter _____ in., Slot Size _____, Depth to top of screen in feet below land surface _____ ft., Gravel pack if used: Gravel Size or Type _____
14. YIELD TEST: ☐ Bailed, ☒ Pumped, ■ Compressed Air, for 1½ Hours at 1½ Gallons per minute
    Measured by ■ Bucket, ☐ Orifice pipe, ☐ Weir, ☐ Meter ☐ Permanent Airline Installed
15. STATIC WATER LEVEL: 40' feet below land surface, Date or Time measured 8-1-88, Overflows at _____ G.P.M.
16. WATER ANALYSIS: Has the water been analyzed? ☐ Yes ■ No, If Yes, Where _____
17. SPECIAL NOTES: _____

18. WELL LOG

Depth from Land Surface: Feet	Feet	Water Bearing	Formation Description	Sketch
Ground Surface	10		Dirt Boulders	
10	70		Hard pan	
70	80		Broken up Ledge	
80	665		Limestone	

19. SITE MAP
Show permanent structure such as buildings, septic tanks, and/or other land marks and indicate not less than two distances to the well. Indicate local street name and subdivision lot number.

N

20. TESTED YIELD
If the yield was tested at different depths during drilling, list below.

Feet	Gallons Per Minute

WELL DRILLED BY: JERRY Parker JR

DOING BUSINESS AS: Parker water well (Company or Business Name)

REPORT FILED BY: Steve MAZUR (Authorized Signature)

DATE OF REPORT: 8-1-88 WELL DRILLERS LIC. NO. 176

NO 1
(For Driller's Use)

This report must be completed and submitted to the Department of Water Resources and Environmental Engineering, no later than 60 days after completion of the well.

DEPARTMENT OF WATER RESOURCES AND ENVIRONMENTAL ENGINEERING
WELL COMPLETION REPORT

JAN 23 1990

W.R. 234 U.S.G.S. ____
Field Location ☐ Map area 2701
Latitude ____ ° ' " Elev. ____
Longitude ____ ° ' " Topo. ____
Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐
Location map attached to WCR ____ Data in Town Files ☐ ____

1. WELL OWNER Bill Gleason 116 South St. Rutland, VT. 05701
Name — Permanent Mailing Address
OR
WELL PURCHASER ____
Name — Permanent Mailing Address

2. LOCATION OF WELL: TOWN Wallingford SUBDIVISION ____ LOT NO. ____
3. DATE WELL WAS COMPLETED 8-31-89
4. PROPOSED USE OF WELL: ☒ Domestic, ☐ Other ____
5. REASON FOR DRILLING WELL: ☒ New Supply, ☐ Replace Existing Supply, ☐ Deepen Existing Well, ☐ Test or Exploration, ☐ Provide Additional Supply, ☐ Other ____
6. DRILLING EQUIPMENT: ☐ Cable Tool, ☒ Rotary with A-P, ☐ Other ____
7. TYPE OF WELL: ☒ Open Hole in Bedrock, ☐ Open End Casing, ☐ Screened or Slotted; ☐ Other ____
8. TOTAL DEPTH OF WELL: 270 feet below land surface.
9. CASING FINISH: ☒ Above ground, Finished, ☐ Above ground, Unfinished, ☐ Buried, ☐ In Pit, ☐ Removed, ☐ None used, ☐ Other ____
10. CASING DETAILS: Total length 230 ft. Length below L.S 228 ft. Dia. 6 in. Material Steel wt. 17 lb./ft.
N/A LINER OR INNER CASING DETAILS: Length used ____ ft. Diameter ____ in. Material ____ Weight ____ lb./ft.
12. METHOD OF SEALING CASING TO BEDROCK: ☒ Drive Shoe, ☐ Grout – type ____, Drilled ____ in. hole ____ ft. in Bedrock ☐ Other ____

N/A SCREEN DETAILS: Make and Type ____, Material ____, Length ____ ft., Diameter ____ in.
Slot Size ____, Depth to top of screen in feet below land surface ____ ft., Gravel pack if used: Gravel Size or Type ____

14. YIELD TEST: ☐ Bailed, ☐ Pumped, ☒ Compressed Air, for 2 Hours at 10 Gallons per minute
Measured by ☒ Bucket, ☐ Orifice pipe, ☐ Weir, ☐ Meter ☐ Permanent Airline Installe
15. STATIC WATER LEVEL: 40 feet below land surface, Date or Time measured 9-1-89, Overflows at ____ G.P.M
16. WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☐ No, If Yes, Where ____
17. SPECIAL NOTES: ____
18. WELL LOG

Depth from Land Surface Feet	Feet	Water Bearing	Formation Description	Sketch
Ground Surface	215		CLAY	
215	270		Lime Stone	

19. SITE MAP
Show permanent structures such as buildings, septic tanks, and/or other land marks and indicate not less than two distances to the well. Indicate local street name and subdivision lot number.

20. TESTED YIELD
If the yield was tested at different depths during drilling, list below.

Feet	Gallons Per Minute

WELL DRILLED BY: Jerry Parker, Jr.
DOING BUSINESS AS: Parker Water Wells
Company or Business Name
REPORT FILED BY: Jerry Parker
Authorized Signature
DATE OF REPORT: 1/20/90 WELL DRILLERS LIC. NO. 176

N02
(For Driller's Use)

This report must be completed and submitted to the Department of Water Resources and Environmental Engineering, no later than 60 days after completion of the well.

DEPARTMENT OF WATER RESOURCES AND ENVIRONMENTAL ENGINEERING
WELL COMPLETION REPORT

JAN 23 1990

Location map attached to WCR 234

W.R. 235 U.S.G.S. ____
Field Location ☐ Map area 2701
Latitude ____ ° ' " Elev. ____
Longitude ____ ° ' " Topo. ____
Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐
Data in Town Files ☐

1. WELL OWNER Ron Boucher / Pamela Terry 6 Taf Terrace Wallingford
Name — Permanent Mailing Address
OR
WELL PURCHASER ____
Name — Permanent Mailing Address

2. LOCATION OF WELL: TOWN Wallingford SUBDIVISION ____ LOT NO. ____

3. DATE WELL WAS COMPLETED 9-1-89

4. PROPOSED USE OF WELL: ☒ Domestic, ☐ Other ____

5. REASON FOR DRILLING WELL: ☒ New Supply, ☐ Replace Existing Supply, ☐ Deepen Existing Well, ☐ Test or Exploration, ☐ Provide Additional Supply, ☐ Other ____

6. DRILLING EQUIPMENT: ☐ Cable Tool, ☒ Rotary with A-P, ☐ Other ____

7. TYPE OF WELL: ☒ Open Hole in Bedrock, ☐ Open End Casing, ☐ Screened or Slotted, ☐ Other ____

8. TOTAL DEPTH OF WELL: 165 feet below land surface.

9. CASING FINISH: ☒ Above ground, Finished, ☐ Above ground, Unfinished, ☐ Buried, ☐ In Pit, ☐ Removed, ☐ None used, ☐ Other ____

10. CASING DETAILS: Total length 122 ft. Length below L.S. 120 ft. Dia. 6 in. Material Steel Wt. 17 lb./ft.

N/A LINER OR INNER CASING DETAILS: Length used ____ ft. Diameter ____ in. Material ____ Weight ____ lb./ft.

12. METHOD OF SEALING CASING TO BEDROCK: ☒ Drive Shoe, ☐ Grout - type ____, Drilled ____ in. hole ____ ft. in Bedrock ☐ Other ____

N/A SCREEN DETAILS: Make and Type ____, Material ____, Length ____ ft., Diameter ____ Slot Size ____, Depth to top of screen in feet below land surface ____ ft., Gravel pack if used: Gravel Size or Type ____

14. YIELD TEST: ☐ Bailed, ☐ Pumped, ☒ Compressed Air, for 2 Hours at 15 Gallons per minute
Measured by ☒ Bucket, ☐ Orifice pipe, ☐ Wier, ☐ Meter ☐ Permanent Airline Instal

15. STATIC WATER LEVEL: 19 feet below land surface, Date or Time measured 9-2-89, Overflows at ____ G.P.M.

16. WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☐ No, If Yes, Where ____

17. SPECIAL NOTES: ____

18. WELL LOG

Depth from Land Surface Feet	Depth from Land Surface Feet	Water Bearing	Formation Description	Sketch
Ground Surface	55		SAND	
55	110		CLAY	
110	165		lime STONE	

19. SITE MAP
Show permanent structure such as buildings, septic tanks, and/or other land marks and indicate not less than two distances to the well. Indicate local street name and subdivision lot number.

20. TESTED YIELD
If the yield was tested at different depths during drilling, list below.

Feet	Gallons Per Minute

WELL DRILLED BY: Jerry Parker, Jr.

DOING BUSINESS AS: Parker Water Wells
Company or Business Name

REPORT FILED BY: Jerry Parker Jr.
Authorized Signature

DATE OF REPORT: 1/20/90 WELL DRILLERS LIC. NO. 176

No 3
(For Driller's Use)

This report must be completed and submitted to the Department of Water Resources and Environmental Engineering, no later than 60 days after completion of the well.

DEPARTMENT OF WATER RESOURCES AND ENVIRONMENTAL ENGINEERING
WELL COMPLETION REPORT

JAN 23 1990

W.R. 239 U.S.G.S. ____
Field Location ☐ Map area 2791
Latitude ____ ° ' " Elev. ____
Longitude ____ ° ' " Topo. ____
Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐
Location map attached to WCR 237 Data in Town Files ☐

1. WELL OWNER Bill Slade (Name) 1058 Airbase Rd Mountain Home; Idah 8364 (Permanent Mailing Address)
OR
WELL PURCHASER ____ (Name) ____ (Permanent Mailing Address)
2. LOCATION OF WELL: TOWN Wallingford SUBDIVISION ____ LOT NO. ____
3. DATE WELL WAS COMPLETED 10-28-89
4. PROPOSED USE OF WELL: ☒ Domestic, ☐ Other ____
5. REASON FOR DRILLING WELL: ☐ New Supply, ☒ Replace Existing Supply, ☐ Deepen Existing Well, ☐ Test or Exploration, ☐ Provide Additional Supply, ☐ Other ____
6. DRILLING EQUIPMENT: ☒ Cable Tool, ☒ Rotary with A-P, ☐ Other ____
7. TYPE OF WELL: ☒ Open Hole in Bedrock, ☐ Open End Casing, ☐ Screened or Slotted, ☐ Other ____
8. TOTAL DEPTH OF WELL: 285 feet below land surface.
9. CASING FINISH: ☒ Above ground, Finished, ☐ Above ground, Unfinished, ☐ Buried, ☐ In Pit, ☐ Removed, ☐ None used, ☐ Other ____
10. CASING DETAILS: Total length 40 ft. Length below L.S. 38 ft. Dia. 6 in. Material Steel Wt. 17 lb./ft.
N/A LINER OR INNER CASING DETAILS: Length used ____ ft. Diameter ____ in. Material ____ Weight ____ lb./ft.
12. METHOD OF SEALING CASING TO BEDROCK: ☒ Drive Shoe, ☐ Grout – type ____, Drilled ____ in. hole ____ ft. in Bedrock ☐ Other ____
N/A SCREEN DETAILS: Make and Type ____, Material ____, Length ____ ft., Diameter ____ in.
Slot Size ____, Depth to top of screen in feet below land surface ____ ft., Gravel pack if used: Gravel Size or Type ____
14. YIELD TEST: ☐ Bailed, ☐ Pumped, ☒ Compressed Air, for 2 Hours at 5 Gallons per minute
Measured by ☒ Bucket, ☐ Orifice pipe, ☐ Weir, ☐ Meter ☐ Permanent Airline Installed
15. STATIC WATER LEVEL: 40 feet below land surface, Date or Time measured 10-29-89 Overflows at ____ G.P.M.
16. WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☐ No, If Yes, Where ____
17. SPECIAL NOTES: ____
18. WELL LOG

Depth from Land Surface Feet	Feet	Water Bearing	Formation Description	Sketch
Ground Surface	38		CLAY	
30	285		lime STONE	

19. SITE MAP
Show permanent structure such as buildings, septic tanks, and/or other land marks and indicate not less than two distances to the well. Indicate local street name and subdivision lot number.

20. TESTED YIELD
If the yield was tested at different depths during drilling, list below.

Feet	Gallons Per Minute

WELL DRILLED BY: Jerry Parker, Sr.
DOING BUSINESS AS: Parker Water Wells (Company or Business Name)
REPORT FILED BY: Jerry Parker Jr. (Authorized Signature)
DATE OF REPORT: 1/20/90 WELL DRILLERS LIC. NO. 176

N 4
(For Driller's Use)

This report must be completed and submitted to the Department of Water Resources and Environmental Engineering, no later than 60 days after completion of the well.

DEPARTMENT OF WATER RESOURCES AND ENVIRONMENTAL ENGINEERING
WELL COMPLETION REPORT

JAN 23 1990

W.R. 240 U.S.G.S. ____
Field Location ☐ Map area 279
Latitude ____ ° ' " Elev. ____
Longitude ____ ° ' " Topo. ____
Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐
Location map attached to WCR 237 Data in Town Files ☐

1. WELL OWNER Dick Ethier Franklin Ave. Wallingford, VT. 057
Name — Permanent Mailing Address
OR
WELL PURCHASER ____
Name — Permanent Mailing Address

2. LOCATION OF WELL: TOWN Wallingford SUBDIVISION ____ LOT NO. ____
3. DATE WELL WAS COMPLETED 11-1-89
4. PROPOSED USE OF WELL: ☒ Domestic, ☐ Other ____
5. REASON FOR DRILLING WELL: ☒ New Supply, ☐ Replace Existing Supply, ☐ Deepen Existing Well, ☐ Test or Exploration, ☐ Provide Additional Supply, ☐ Other ____
6. DRILLING EQUIPMENT: ☐ Cable Tool, ☒ Rotary with A-P, ☐ Other ____
7. TYPE OF WELL: ☒ Open Hole in Bedrock, ☐ Open End Casing, ☐ Screened or Slotted, ☐ Other ____
8. TOTAL DEPTH OF WELL: 265 feet below land surface.
9. CASING FINISH: ☒ Above ground, Finished, ☐ Above ground, Unfinished, ☐ Buried, ☐ In Pit, ☐ Removed, ☐ None used, ☐ Other ____
10. CASING DETAILS: Total length 20 ft. Length below L.S. 18 ft. Dia. 6 in. Material Steel wt. 17 lb./ft.

N/A LINER OR INNER CASING DETAILS: Length used ____ ft. Diameter ____ in. Material ____ Weight ____ lb./ft.

12. METHOD OF SEALING CASING TO BEDROCK: ☒ Drive Shoe, ☐ Grout – type ____, Drilled ____ in. hole ____ ft. in Bedrock, ☐ Other ____

N/A SCREEN DETAILS: Make and Type ____, Material ____, Length ____ ft., Diameter ____
Slot Size ____, Depth to top of screen in feet below land surface ____ ft., Gravel pack if used: Gravel Size or Type ____

14. YIELD TEST: ☐ Bailed, ☐ Pumped, ☒ Compressed Air, for 3 Hours at 8 Gallons per minute
Measured by ☒ Bucket, ☐ Orifice pipe, ☐ Weir, ☐ Meter ☐ Permanent Airline Insta
15. STATIC WATER LEVEL: 4 feet below land surface, Date or Time measured 11-2-89, Overflows at ____ G.P.M.
16. WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☐ No, If Yes, Where ____
17. SPECIAL NOTES: ____

18. WELL LOG

Depth from Land Surface: Feet	Feet	Water Bearing	Formation Description	Sketch
Ground Surface	10		CLAY	
10	265		BLACK Shale	

19. SITE MAP
Show permanent structure such as buildings, septic tanks, and/or other land marks and indicate not less than two distances to the well. Indicate local street name and subdivision lot number.

20. TESTED YIELD
If the yield was tested at different depths during drilling, list below.

Feet	Gallons Per Minute

WELL DRILLED BY: Jerry Parker Jr
DOING BUSINESS AS: Parker Water Wells
Company or Business Name
REPORT FILED BY: Jerry Parker
Authorized Signature
DATE OF REPORT: 1/20/90 WELL DRILLERS LIC. NO. 176

#1
(For Driller's Use)

This report must be completed and submitted to the Department of Water Resources and Environmental Engineering, no later than 60 days after completion of the well.

DEPARTMENT OF WATER RESOURCES AND ENVIRONMENTAL ENGINEERING
WELL COMPLETION REPORT

Location map attached to WCR ____

W.R. 244 U.S.G.S. ____
Field Location ☐ Map area 2701
Latitude ____ ° ' " Elev. ____
Longitude ____ ° ' " Topo. ____
Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐
Data in Town Files ☐ ____

1. WELL OWNER Harriet Bullock RFD Walling Ford, VT.
Name — Permanent Mailing Address
OR
WELL PURCHASER ____
Name — Permanent Mailing Address

2. LOCATION OF WELL: TOWN Walling Ford SUBDIVISION ____ LOT NO. ____
3. DATE WELL WAS COMPLETED 1-3-90
4. PROPOSED USE OF WELL: ☒ Domestic, ☐ Other ____
5. REASON FOR DRILLING WELL: ☒ New Supply, ☐ Replace Existing Supply, ☐ Deepen Existing Well, ☐ Test or Exploration, ☐ Provide Additional Supply, ☐ Other ____
6. DRILLING EQUIPMENT: ☐ Cable Tool, ☒ Rotary with A-P, ☐ Other ____
7. TYPE OF WELL: ☒ Open Hole in Bedrock, ☐ Open End Casing, ☐ Screened or Slotted; ☐ Other ____
8. TOTAL DEPTH OF WELL: 210 feet below land surface.
9. CASING FINISH: ☒ Above ground, Finished, ☐ Above ground, Unfinished, ☐ Buried, ☐ In Pit, ☐ Removed, ☐ None used, ☐ Other ____
10. CASING DETAILS: Total length 200 ft Length below L S 198 ft Dia. 6 in. Material Steel Wt. 10 lb./ft.
N/A LINER OR INNER CASING DETAILS: Length used ____ ft. Diameter ____ in. Material ____ Weight ____ lb./ft.
12. METHOD OF SEALING CASING TO BEDROCK: ☒ Drive Shoe, ☐ Grout - type ____, Drilled ____ in hole ____ ft in Bedrock ☐ Other ____

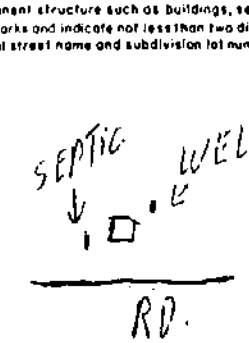
N/A SCREEN DETAILS: Make and Type ____, Material ____, Length ____ ft, Diameter ____ in, Slot Size ____, Depth to top of screen in feet below land surface ____ ft, Gravel pack if used: Gravel Size or Type ____

14. YIELD TEST: ☐ Bailed, ☐ Pumped, ☒ Compressed Air, for 3 Hours at 30 Gallons per minute
Measured by ☒ Bucket, ☐ Orifice pipe, ☐ Weir, ☐ Meter ☐ Permanent Airline Installed
15. STATIC WATER LEVEL: ____ feet below land surface, Date or Time measured 1/4/90, Overflows at ____ G.P.M.
16. WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☐ No, If Yes, Where ____
17. SPECIAL NOTES: ____

18. WELL LOG

Depth from Land Surface: Feet	Feet	Water Bearing	Formation Description	Sketch
Ground Surface	190		Quick Sand	
190	210		Lime Stone	

19. SITE MAP
Show permanent structure such as buildings, septic tanks, and/or other land marks and indicate not less than two distances to the well. Indicate local street name and subdivision lot number.



20. TESTED YIELD
If the yield was tested at different depths during drilling, list below.

Feet	Gallons Per Minute

WELL DRILLED BY: Jerry Parker, Jr.
DOING BUSINESS AS: Parker Water Wells (Company or Business Name)
REPORT FILED BY: Janet Parker (Authorized Signature)
DATE OF REPORT: 9-14-90 WELL DRILLERS LIC. NO. 176

#45
(For Driller's Use)

This report must be completed and submitted to the Department of Water Resources and Environmental Engineering, no later than 60 days after completion of the well.

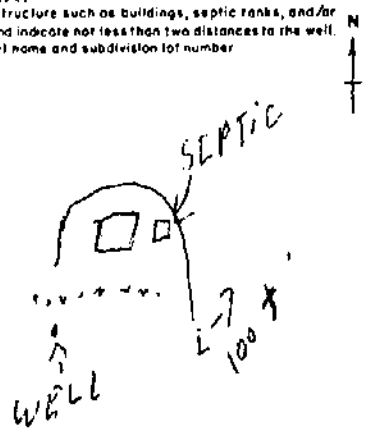
DEPARTMENT OF WATER RESOURCES AND ENVIRONMENTAL ENGINEERING
WELL COMPLETION REPORT

W.R. 246 U.S.G.S. ____
Field Location ☐ Map area 27a1
Latitude ____ ° ____ ' ____ " Elev. ____
Longitude ____ ° ____ ' ____ " Topo. ____
Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐
Location map attached to WCR 244 Data in Town Files ☐

1. WELL OWNER andy Plumer (Name) Wallingford VT (Permanent Mailing Address)
OR
WELL PURCHASER ____ (Name) ____ (Permanent Mailing Address)
2. LOCATION OF WELL: TOWN Wallingford SUBDIVISION ____ LOT NO. ____
3. DATE WELL WAS COMPLETED 6/2/90
4. PROPOSED USE OF WELL: ☒ Domestic, ☐ Other ____
5. REASON FOR DRILLING WELL: ☒ New Supply, ☐ Replace Existing Supply, ☐ Deepen Existing Well, ☐ Test or Exploration, ☐ Provide Additional Supply, ☐ Other ____
6. DRILLING EQUIPMENT: ☐ Cable Tool, ☒ Rotary with A-P, ☐ Other ____
7. TYPE OF WELL: ☒ Open Hole in Bedrock, ☐ Open End Casing, ☐ Screened or Slotted; ☐ Other ____
8. TOTAL DEPTH OF WELL: 265 feet below land surface.
9. CASING FINISH: ☒ Above ground, Finished, ☐ Above ground, Unfinished, ☐ Buried, ☐ In Pit, ☐ Removed, ☐ None used, ☐ Other ____
10. CASING DETAILS: Total length 31 ft. Length below L.S. 28 ft Dia. 6 in. Material Steel Wt 17 lb./ft.
11. LINER OR INNER CASING DETAILS: Length used ____ ft Diameter ____ in. Material ____ Weight ____ lb./ft.
12. METHOD OF SEALING CASING TO BEDROCK: ☒ Drive Shoe, ☐ Grout - type ____, Drilled ____ in hole ____ ft in Bedrock ☐ Other ____
13. SCREEN DETAILS: Make and Type ____, Material ____, Length ____ ft, Diameter ____ in., Slot Size ____, Depth to top of screen in feet below land surface ____ ft., Gravel pack if used: Gravel Size or Type ____
14. YIELD TEST: ☐ Bailed, ☐ Pumped, ☒ Compressed Air, for 2 Hours at 10 Gallons per minute
Measured by ☒ Bucket, ☐ Orifice pipe, ☐ Wier, ☐ Meter ☐ Permanent Airline Installed
15. STATIC WATER LEVEL: ____ feet below land surface, Date or Time measured 6/3/90, Overflows at ____ G.P.M.
16. WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☐ No, If Yes, Where ____
17. SPECIAL NOTES: ____
18. WELL LOG

Depth from Land Surface Feet	Depth from Land Surface Feet	Water Bearing	Formation Description	Sketch
Ground Surface	6		Loam + clay	
6	265		Black shaler quartz	

19. SITE MAP
Show permanent structure such as buildings, septic tanks, and/or other land marks and indicate not less than two distances to the well. Indicate local street name and subdivision lot number.



20. TESTED YIELD
If the yield was tested at different depths during drilling, list below.

Feet	Gallons Per Minute

WELL DRILLED BY: Jerry Parker Jr.
DOING BUSINESS AS: Parker Water Wells (Company or Business Name)
REPORT FILED BY: Jerry Parker (Authorized Signature)
DATE OF REPORT: 9/19/90 WELL DRILLERS LIC. NO. 176

#18
(For Driller's Use)

This report must be completed and submitted to the Department of Water Resources and Environmental Engineering, no later than 60 days after completion of the well.

DEPARTMENT OF WATER RESOURCES AND ENVIRONMENTAL ENGINEERING
WELL COMPLETION REPORT

W.R. 250 U.S.G.S. ____
Field Location ☐ Map area 2791
Latitude ____ ° ____ ' ____ " Elev. ____
Longitude ____ ° ____ ' ____ " Topo. ____
Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐
Location map attached to WCR 244 Data in Town Files ☐ ____

1. WELL OWNER ____ Name ____ Permanent Mailing Address
OR
WELL PURCHASER Dan Brown 276 Phinneys Lane Centerville, N 02632
Name Permanent Mailing Address

2. LOCATION OF WELL: TOWN Wellingford SUBDIVISION ____ LOT NO. ____

3. DATE WELL WAS COMPLETED 4-2-90

4. PROPOSED USE OF WELL: ☒ Domestic, ☐ Other ____

5. REASON FOR DRILLING WELL: ☒ New Supply, ☐ Replace Existing Supply, ☐ Deepen Existing Well, ☐ Test or Exploration, ☐ Provide Additional Supply, ☐ Other ____

6. DRILLING EQUIPMENT: ☐ Cable Tool, ☒ Rotary with A-P, ☐ Other ____

7. TYPE OF WELL: ☒ Open Hole in Bedrock, ☐ Open End Casing, ☐ Screened or Slotted; ☐ Other ____

8. TOTAL DEPTH OF WELL: 265 feet below land surface.

9. CASING FINISH: ☒ Above ground, Finished, ☐ Above ground, Unfinished, ☐ Buried, ☐ In Pit, ☐ Removed, ☐ None used, ☐ Other ____

10. CASING DETAILS: Total length 195 ft. Length below L.S 193 ft. Dia. 6 in. Material Steel Wt 17 lb./ft.

N/A LINER OR INNER CASING DETAILS: Length used ____ ft. Diameter ____ in. Material ____ Weight ____ lb./ft.

12. METHOD OF SEALING CASING TO BEDROCK: ☒ Drive Shoe, ☐ Grout - type ____, Drilled ____ in. hole ____ ft in Bedrock ☐ Other ____

N/A SCREEN DETAILS: Make and Type ____, Material ____, Length ____ ft, Diameter ____ in., Slot Size ____, Depth to top of screen in feet below land surface ____ ft., Gravel pack if used: Gravel Size or Type ____

14. YIELD TEST: ☐ Bailed, ☐ Pumped, ☒ Compressed Air, for 2 Hours at 12 Gallons per minute
Measured by ☒ Bucket, ☐ Orifice pipe, ☐ Wier, ☐ Meter ☐ Permanent Airline installed

15. STATIC WATER LEVEL: ____ feet below land surface, Date or Time measured 4-3-90, Overflows at ____ G.P.M.

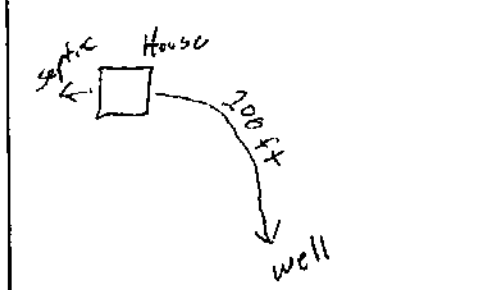
16. WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☐ No, If Yes, Where ____

17. SPECIAL NOTES: ____

18. WELL LOG

Depth from Land Surface Feet	Feet	Water Bearing	Formation Description	Sketch
Ground Surface	80		Sand + Gravel	
80	178		Unconsolided Rock	
178	265		Lime Stone	

19. SITE MAP
Show permanent structure such as buildings, septic tanks, and/or other land marks and indicate not less than two distances to the well. Indicate local street name and subdivision lot number



20. TESTED YIELD
If the yield was tested at different depths during drilling, list below.

Feet	Gallons Per Minute

WELL DRILLED BY: Jerry Parker Jr.

DOING BUSINESS AS: Parker Water Well
Company or Business Name

REPORT FILED BY: Jerry Parker Jr.
Authorized Signature

DATE OF REPORT: 9/19/90 WELL DRILLERS LIC. NO. 176

#30
(For Driller's Use)

This report must be completed and submitted to the Department of Water Resources and Environmental Engineering, no later than 60 days after completion of the well.

DEPARTMENT OF WATER RESOURCES AND ENVIRONMENTAL ENGINEERING
WELL COMPLETION REPORT

W.R. 251 U.S.G.S. ____
Field Location ☐ Map area 2791
Latitude ____ ° ' " Elev. ____
Longitude ____ ° ' " Topo. ____
Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐
Location map attached to WCR 244 Data in Town Files ☐ ____

1. WELL OWNER Ron Shaw (Name) Wallingford, VT 05773 (Permanent Mailing Address)
OR
WELL PURCHASER ____ (Name) ____ (Permanent Mailing Address)

2. LOCATION OF WELL: TOWN Wallingford SUBDIVISION ____ LOT NO. ____

3. DATE WELL WAS COMPLETED 4-30-90

4. PROPOSED USE OF WELL: ☒ Domestic, ☐ Other ____

5. REASON FOR DRILLING WELL: ☒ New Supply, ☐ Replace Existing Supply, ☐ Deepen Existing Well, ☐ Test or Exploration, ☐ Provide Additional Supply, ☐ Other ____

6. DRILLING EQUIPMENT: ☐ Cable Tool, ☒ Rotary with A-P, ☐ Other ____

7. TYPE OF WELL: ☒ Open Hole in Bedrock, ☐ Open End Casing, ☐ Screened or Slotted, ☐ Other ____

8. TOTAL DEPTH OF WELL: 205 feet below land surface.

9. CASING FINISH: ☒ Above ground, Finished, ☐ Above ground, Unfinished, ☐ Buried, ☐ In Pit, ☐ Removed, ☐ None used, ☐ Other ____

10. CASING DETAILS: Total length 46 ft. Length below L.S 44 ft Dia. 6 in. Material Steel wt 17 lb./ft

NA LINER OR INNER CASING DETAILS: Length used ____ ft. Diameter ____ in. Material ____ Weight ____ lb./ft.

METHOD OF SEALING CASING TO BEDROCK: ☒ Drive Shoe, ☐ Grout - type ____, Drilled ____ in. hole ____ ft in Bedrock ☐ Other ____

NA SCREEN DETAILS: Make and Type ____, Material ____, Length ____ ft, Diameter ____ in, Slot Size ____, Depth to top of screen in feet below land surface ____ ft., Gravel pack if used: Gravel Size or Type ____

14. YIELD TEST: ☐ Bailed, ☐ Pumped, ☒ Compressed Air, for 3 Hours at 20 Gallons per minute
Measured by ☒ Bucket, ☐ Orifice pipe, ☐ Weir, ☐ Meter ☐ Permanent Airline Installed

15. STATIC WATER LEVEL: ____ feet below land surface, Date or Time measured 5/1/90, Overflows at ____ G.P.M.

16. WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☐ No, If Yes, Where ____

17. SPECIAL NOTES: ____

18. WELL LOG

Depth from Land Surface Feet	Feet	Water Bearing	Formation Description	Sketch
Ground Surface	33		Sand	
33	205		Lime Stone	

19. SITE MAP
Show permanent structure such as buildings, septic tanks, and/or other land marks and indicate not less than two distances to the well. Indicate local street name and subdivision lot number.

N

well ← Trailer → septic

20. TESTED YIELD
If the yield was tested at different depths during drilling, list below.

Feet	Gallons Per Minute

WELL DRILLED BY: Jerry Parker, Jr.
DOING BUSINESS AS: Parker Water Wells (Company or Business Name)
REPORT FILED BY: Jerry Parker Jr. (Authorized Signature)
DATE OF REPORT: 9/19/90 WELL DRILLERS LIC. NO. 176

WELL NO. / TAG NO.

#10

(For Driller's Use)

This report must be completed and submitted to the Department of Environmental Conservation 103 South Main Street (10N), Waterbury, Vt. 05676 no later than 60 days after completion of the well.

State of Vermont
Dept. of Environmental Conservation
103 South Main Street (10N)
Waterbury, Vt. 05676

WELL COMPLETION REPORT

DEPARTMENT USE ONLY

E.C. 252 U.S.G.S. ____

Field Location ☐ Map area 2791

Latitude ____ ° ____ ' ____ " Elev. ____

Longitude ____ ° ____ ' ____ " Topo. ____

Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐

Location map attached to WCR ____ Data in Town Files ☐ ____

1. WELL OWNER Mike Brown (Name) RFD Wallingford, Vt. 05773 (Permanent Mailing Address)

OR

WELL PURCHASER ____ (Name) ____ (Permanent Mailing Address)

2. LOCATION OF WELL: TOWN Wallingford SUBDIVISION ____ LOT NO. ____

3. DATE WELL WAS COMPLETED 2-28-91

4. PROPOSED USE OF WELL: ☒ Domestic, ☐ Other ____

5. REASON FOR DRILLING WELL: ☒ New Supply, ☐ Replace Existing Supply, ☐ Deepen Existing Well, ☐ Test or Exploration, ☐ Provide Additional Supply, ☐ Other ____

6. DRILLING EQUIPMENT: ☐ Cable Tool, ☒ Rotary with A-P, ☐ Other ____

7. TYPE OF WELL: ☒ Open Hole in Bedrock, ☐ Open End Casing, ☐ Screened or Slotted, ☒ Other gravel

8. TOTAL DEPTH OF WELL: 70 feet below land surface.

9. CASING FINISH: ☒ Above ground, Finished, ☐ Above ground, Unfinished, ☐ Buried, ☐ In Pit, ☐ Removed, ☐ None used, ☒ Other [redacted]

10. CASING DETAILS: Total length 56 ft. Length below L.S. 54 ft. Dia. 6 in. Material Steel Wt. 17 lb./ft.

N/A LINER OR INNER CASING DETAILS: Length used ____ ft. Diameter ____ in. Material ____ Weight ____ lb./ft.

12. METHOD OF SEALING CASING TO BEDROCK: ☒ Drive Shoe, ☐ Grout - type ____, Drilled ____ in. hole ____ ft. in Bedrock, ☐ Other ____

N/A SCREEN DETAILS: Make and Type ____, Material ____, Length ____ ft., Diameter ____ in. Slot Size ____, Depth to top of screen in feet below land surface ____ ft., Gravel pack if used. Gravel Size or Type ____

14. YIELD TEST: ☐ Bailed, ☐ Pumped, ☒ Compressed Air, for 2 Hours at 8 Gallons per minute

Measured by ☒ Bucket, ☐ Orifice pipe, ☐ Weir, ☐ Meter ☐ Permanent Airline installed

15. STATIC WATER LEVEL: 30 feet below land surface, Date or Time measured 3/1/91, Overflows at ____ G.P.M.

16. WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☐ No, If Yes, Where ____

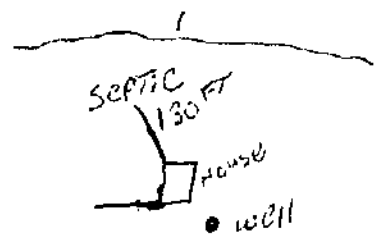
17. SPECIAL NOTES: ____

18. WELL LOG

Depth from Land Surface: Feet	Feet	Water Bearing	Formation Description	Sketch
Ground Surface	30		Boulders	
30	46		Sand	
46	70		gravel	

19. SITE MAP

Show permanent structure such as buildings, septic tanks, and/or other land marks and indicate not less than two distances to the well. Indicate local street name and subdivision lot number



20. TESTED YIELD

If the yield was tested at different depths during drilling, list below.

Feet	Gallons Per Minute

WELL DRILLED BY: Jerry Parker Jr.

DOING BUSINESS AS: Parker Water Wells (Company or Business Name)

REPORT FILED BY: Jerry Parker Jr. (Authorized Signature)

DATE OF REPORT: 3/28/91 WELL DRILLERS LIC. NO. 176

WELL NO. / TAG NO. 213/29
(For Driller's Use)

This report must be completed and submitted to the Department of Environmental Conservation 103 South Main Street (10N), Waterbury, Vt 05676 no later than 60 days after completion of the well.

State of Vermont
Dept. of Environmental Conservation
103 South Main Street (10N)
Waterbury, Vt. 05676

WELL COMPLETION REPORT

OCT 11 1991

Location map attached to WCR ____

DEPARTMENT USE ONLY
E.C. 257 U.S.G.S. ____
Field Location ☐ Map area 2701
Latitude ____ ° ' " Elev. ____
Longitude ____ ° ' " Topo. ____
Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐
Data in Town Files ☐

1 WELL OWNER Mr Tom Kaye (Name) Mossey Rd, Wallingford, Vt. 05773 (Permanent Mailing Address)
OR
WELL PURCHASER ____ (Name) ____ (Permanent Mailing Address)

2 LOCATION OF WELL, TOWN Wallingford SUBDIVISION Mossey Rd. LOT NO. ____

3 DATE WELL WAS COMPLETED 6-27-91

4 PROPOSED USE OF WELL: ☒ Domestic, ☐ Other ____

5 REASON FOR DRILLING WELL: ☐ New Supply, ☒ Replace Existing Supply, ☐ Deepen Existing Well, ☐ Test or Exploration, ☐ Provide Additional Supply, ☐ Other ____

6 DRILLING EQUIPMENT: ☐ Cable Tool, ☒ Rotary with A-P, ☐ Other ____

7 TYPE OF WELL: ☒ Open Hole in Bedrock, ☐ Open End Casing, ☐ Screened or Slotted, ☐ Other ____

8 TOTAL DEPTH OF WELL: 297' feet below land surface.

9 CASING FINISH: ☐ Above ground, Finished, ☒ Above ground, Unfinished, ☐ Buried, ☐ In Pit, ☐ Removed, ☐ None used, ☐ Other ____

10 CASING DETAILS: Total length 39 ft Length below L.S. 37 ft Dia. 7 in. Material Steel Wt. 21 lb./ft

11 LINER OR INNER CASING DETAILS: Length used ____ ft Diameter ____ in. Material ____ Weight ____ lb./ft

(over) 12. METHOD OF SEALING CASING TO BEDROCK: ☒ Drive Shoe, ☐ Grout - type ____, Drilled 8 in hole 14 ft in Bedrock
☒ Other Cement-chloride mix

13 SCREEN DETAILS: Make and Type ____, Material ____, Length ____ ft, Diameter ____ in
Slot Size ____, Depth to top of screen in feet below land surface ____ ft., Gravel pack if used. Gravel Size or Type ____

14 YIELD TEST ☐ Bailed, ☐ Pumped, ☒ Compressed Air, for 1/2 Hours at 3 Gallons per minute
Measured by ☒ Bucket, ☐ Orifice pipe, ☐ Weir, ☐ Meter ☐ Permanent Airline installed

15 STATIC WATER LEVEL: 20 feet below land surface, Date or Time measured 6-28-91, Overflows at ____ G.P.M.

16 WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☒ No, If Yes, Where ____

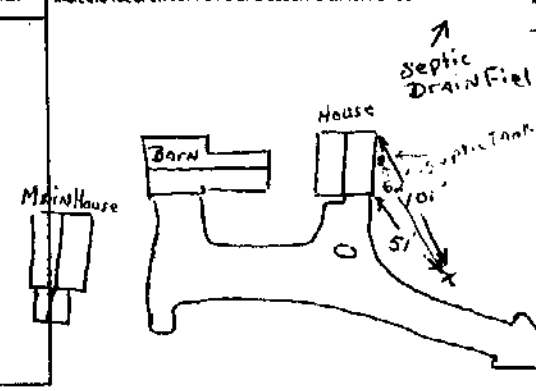
17 SPECIAL NOTES: ____

18 WELL LOG

Depth from Land Surface: Feet	Feet	Water Bearing	Formation Description	Sketch
Ground Surface	16		dirt	
16	23		Soft brown & black shale ledge	
23	130		Solid black shale	
130	140	Yes	Soft black shale & white quartz with 1/2 gpm	
140	147		black shale	
147	160	No	White quartz & gray limestone mixed	
160	178		Gray limestone	
178	180	No	Green & white quartz	

(over)

19. SITE MAP
Show permanent structure such as buildings, septic tanks, and/or other land marks and indicate not less than two distances to the well. Indicate local street name and subdivision lot number



20. TESTED YIELD
If the yield was tested at different depths during drilling, list below.

Feet	Gallons Per Minute
297'	3

WELL DRILLED BY: Spear & Hayward

DOING BUSINESS AS: Ottauquechee Well Drilling, Inc. (Company or Business Name)

REPORT FILED BY: [signature] (Authorized Signature)

DATE OF REPORT: 6-28-91 WELL DRILLERS LIC. NO. 213

#53
(For Driller's Use)

This report must be completed and submitted to the Department of Water Resources and Environmental Engineering, no later than 60 days after completion of the well.

DEPARTMENT OF WATER RESOURCES AND ENVIRONMENTAL ENGINEERING
WELL COMPLETION REPORT

W.R. 265 U.S.G.S. ____
Field Location ☐ Map area 2701
Latitude ____ ° ' " Elev. ____
Longitude ____ ° ' " Topo. ____
Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐
Location map attached to WCR ____ Data in Town Files ☐

1. WELL OWNER Mike Brown, Box 237, Wallingford, VT 05773
Name — Permanent Mailing Address
OR
WELL PURCHASER ____
Name — Permanent Mailing Address

2. LOCATION OF WELL: TOWN Wallingford SUBDIVISION ____ LOT NO. ____

3. DATE WELL WAS COMPLETED 6-28-91

4. PROPOSED USE OF WELL: ☒ Domestic, ☐ Other ____

5. REASON FOR DRILLING WELL: ☒ New Supply, ☐ Replace Existing Supply, ☐ Deepen Existing Well, ☐ Test or Exploration, ☐ Provide Additional Supply, ☐ Other ____

6. DRILLING EQUIPMENT: ☐ Cable Tool, ☒ Rotary with A-P, ☐ Other ____

7. TYPE OF WELL: ☒ Open Hole in Bedrock, ☐ Open End Casing, ☐ Screened or Slotted, ☐ Other ____

8. TOTAL DEPTH OF WELL: 265 feet below land surface.

9. CASING FINISH: ☒ Above ground, Finished, ☐ Above ground, Unfinished, ☐ Buried, ☐ In Pit, ☐ Removed, ☐ None used, ☐ Other ____

10. CASING DETAILS: Total length 92 ft Length below L.S 90 ft Dia. 6 in. Material steel Wt 17 lb./ft

11. LINER OR INNER CASING DETAILS: Length used ____ ft. Diameter ____ in. Material ____ Weight ____ lb./ft.

12. METHOD OF SEALING CASING TO BEDROCK: ☒ Drive Shoe, ☐ Grout - type ____, Drilled ____ in. hole ____ ft in Bedrock ☐ Other ____

13. SCREEN DETAILS: Make and Type ____, Material ____, Length ____ ft, Diameter ____ in., Slot Size ____, Depth to top of screen in feet below land surface ____ ft., Gravel pack if used: Gravel Size or Type ____

14. YIELD TEST: ☐ Bailed, ☐ Pumped, ☒ Compressed Air, for 2 Hours at 10 Gallons per minute
Measured by ☒ Bucket, ☐ Orifice pipe, ☐ Weir, ☐ Meter ☐ Permanent Airline Installed

15. STATIC WATER LEVEL: 20 feet below land surface, Date or Time measured ____, Overflows at ____ G.P.M.

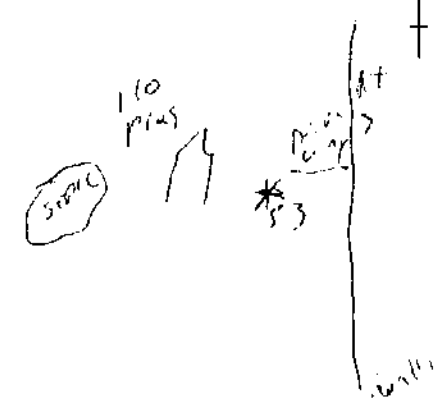
16. WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☒ No, If Yes, Where ____

17. SPECIAL NOTES: ____

18. WELL LOG

Depth from Land Surface Feet	Feet	Water Bearing	Formation Description	Sketch
Ground Surface	50		Sand	
50	80		Sand + Boulders	
80	265		Lime Stone	

19. SITE MAP
Show permanent structure such as buildings, septic tanks, and/or other land marks and indicate not less than two distances to the well. Indicate local street name and subdivision lot number



20. TESTED YIELD
If the yield was tested at different depths during drilling, list below.

Feet	Gallons Per Minute

WELL DRILLED BY: JERRY PARKER JR.

DOING BUSINESS AS: PARKER WATER WELLS
Company or Business Name

REPORT FILED BY: Jerry Parker Jr.
Authorized Signature

DATE OF REPORT: 8-6-91 WELL DRILLERS LIC. NO. 176

54
(For Driller's Use)

This report must be completed and submitted to the Department of Water Resources and Environmental Engineering, no later than 60 days after completion of the well.

DEPARTMENT OF WATER RESOURCES AND ENVIRONMENTAL ENGINEERING
WELL COMPLETION REPORT

W.R. 266 U.S.G.S. ____
Field Location ☐ Map area 2701
Latitude ___ ° ___ ' ___ " Elev. ____
Longitude ___ ° ___ ' ___ " Topo. ____
Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐
Location map attached to WCR 265
Data in Town Files ☐

1. WELL OWNER Mike Brown, Box 237, Wallingford, VT 05773
   Name — Permanent Mailing Address
   OR
   WELL PURCHASER ____
   Name — Permanent Mailing Address
2. LOCATION OF WELL: TOWN Wallingford SUBDIVISION ____ LOT NO. ____
3. DATE WELL WAS COMPLETED 7-1-91
4. PROPOSED USE OF WELL: ☒ Domestic, ☐ Other ____
5. REASON FOR DRILLING WELL: ☒ New Supply, ☐ Replace Existing Supply, ☐ Deepen Existing Well, ☐ Test or Exploration, ☐ Provide Additional Supply, ☐ Other ____
6. DRILLING EQUIPMENT: ☐ Cable Tool, ☒ Rotary with A-P, ☐ Other ____
7. TYPE OF WELL: ☒ Open Hole in Bedrock, ☐ Open End Casing, ☐ Screened or Slotted, ☐ Other ____
8. TOTAL DEPTH OF WELL: 205 feet below land surface.
9. CASING FINISH: ☒ Above ground, Finished, ☐ Above ground, Unfinished, ☐ Buried, ☐ In Pit, ☐ Removed, ☐ None used, ☐ Other ____
10. CASING DETAILS: Total length 130 ft. Length below L.S. 125 ft. Dia. 4 in. Material STEEL Wt. 17 lb./ft.
11. LINER OR INNER CASING DETAILS: Length used ____ ft. Diameter ____ in. Material ____ Weight ____ lb./ft.
12. METHOD OF SEALING CASING TO BEDROCK: ☒ Drive Shoe, ☐ Grout - Type ____, Drilled ____ in hole ____ ft in Bedrock, ☐ Other ____
13. SCREEN DETAILS: Make and Type ____, Material ____, Length ____ ft., Diameter ____ in., Slot Size ____, Depth to top of screen in feet below land surface ____ ft., Gravel pack if used: Gravel Size or Type ____
14. YIELD TEST: ☐ Bailed, ☐ Pumped, ☒ Compressed Air, for 2 Hours at 12 Gallons per minute
    Measured by ☒ Bucket, ☐ Orifice pipe, ☐ Weir, ☐ Meter ☐ Permanent Airline Installed
15. STATIC WATER LEVEL: 50 feet below land surface, Date or Time measured ____, Overflows at ____ G P M
16. WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☒ No, If Yes, Where ____
17. SPECIAL NOTES: ____
18. WELL LOG

Depth from Land Surface Feet	Feet	Water Bearing	Formation Description	Sketch
Ground Surface	40		Sand + Boulders	
40	110		Clay + Gravel	
110	205		Lime Stone	

19. SITE MAP
Show permanent structure such as buildings, septic tanks, and/or other land marks and indicate not less than two distances to the well. Indicate local street name and subdivision lot number

N

20. TESTED YIELD
If the yield was tested at different depths during drilling, list below

Feet	Gallons Per Minute

WELL DRILLED BY: JERRY PARKER JR.
DOING BUSINESS AS: PARKER WATER WELLS
Company or Business Name
REPORT FILED BY: Jerry Parker Jr.
Authorized Signature
DATE OF REPORT: 8-10-91 WELL DRILLERS LIC. NO. 176

BLM 51 Ext. Rpt 53 T.R. 60

170
(For Driller's Use)

This report must be completed and submitted to the Department of Water Resources and Environmental Engineering, no later than 60 days after completion of the well.

DEPARTMENT OF WATER RESOURCES AND ENVIRONMENTAL ENGINEERING
WELL COMPLETION REPORT

W.R. 273 U.S.G.S. ____
Field Location ☐ Map area 27A1
Latitude ____ ° ____ ' ____ " Elev. ____
Longitude ____ ° ____ ' ____ " Topo. ____
Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐
Location map attached to WCR ____ Data in Town Files ☐ ____

1. WELL OWNER Bill Slade (Name) 1088 Airbase Rd. Mountain Home, Idaho (Permanent Mailing Address)
OR
WELL PURCHASER ____ (Name) ____ (Permanent Mailing Address)
2. LOCATION OF WELL: TOWN Wellington SUBDIVISION ____ LOT NO. ____
3. DATE WELL WAS COMPLETED 10·28·89
4. PROPOSED USE OF WELL: ☒ Domestic, ☐ Other ____
5. REASON FOR DRILLING WELL: ☒ New Supply, ☐ Replace Existing Supply, ☐ Deepen Existing Well, ☐ Test or Exploration, ☐ Provide Additional Supply, ☐ Other ____
6. DRILLING EQUIPMENT: ☐ Cable Tool, ☒ Rotary with A-P, ☐ Other ____
7. TYPE OF WELL: ☒ Open Hole in Bedrock, ☐ Open End Casing, ☐ Screened or Slotted; ☐ Other ____
8. TOTAL DEPTH OF WELL: 285 feet below land surface.
9. CASING FINISH: ☒ Above ground, Finished, ☐ Above ground, Unfinished, ☐ Buried, ☐ In Pit, ☐ Removed, ☐ None used, ☐ Other ____
10. CASING DETAILS: Total length 40 ft. Length below L.S. 38 ft. Dia. 6 in. Material STEEL Wt. 17 lb./ft.
11. N/A LINER OR INNER CASING DETAILS: Length used ____ ft. Diameter ____ in. Material ____ Weight ____ lb./ft.
12. METHOD OF SEALING CASING TO BEDROCK: ☒ Drive Shoe, ☐ Grout - type ____, Drilled ____ in. hole ____ ft. in Bedrock ☐ Other ____
13. N/A SCREEN DETAILS: Make and Type ____, Material ____, Length ____ ft., Diameter ____ in., Slot Size ____, Depth to top of screen in feet below land surface ____ ft., Gravel pack if used: Gravel Size or Type ____
14. YIELD TEST: ☐ Bailed, ☐ Pumped, ☒ Compressed Air, for 2 Hours at 5 Gallons per minute
Measured by ☒ Bucket, ☐ Orifice pipe, ☐ Wier, ☐ Meter ☐ Permanent Airline Installed
15. STATIC WATER LEVEL: 20 feet below land surface, Date or Time measured 10·28·89, Overflows at ____ G.P.M.
16. WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☒ No, If Yes, Where ____
17. SPECIAL NOTES: ____
18. WELL LOG

Depth from Land Surface Feet	Depth from Land Surface Feet	Water Bearing	Formation Description	Sketch
Ground Surface	29		SAND + Boulders	
29	285		Limestone	

19. SITE MAP
Show permanent structure such as buildings, septic tanks, and/or other land marks and indicate not less than two distances to the well. Indicate local street name and subdivision lot number.

20. TESTED YIELD
If the yield was tested at different depths during drilling, list below.

Feet	Gallons Per Minute

WELL DRILLED BY: JERRY PARKER JR.
DOING BUSINESS AS: PARKER WATER WELLS (Company or Business Name)
REPORT FILED BY: [signature] (Authorized Signature)
DATE OF REPORT: 10·28·89 WELL DRILLERS LIC. NO. 176

K.V.1 DOR 01-5 ... CREEK Rd

138
(For Driller's Use)

This report must be completed and submitted to the Department of Water Resources and Environmental Engineering, no later than 60 days after completion of the well.

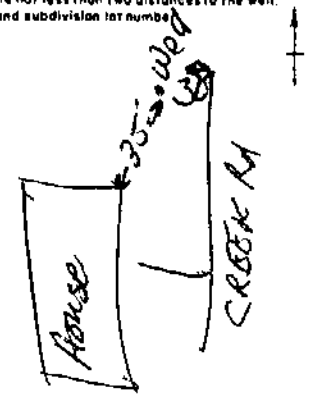
DEPARTMENT OF WATER RESOURCES AND ENVIRONMENTAL ENGINEERING
WELL COMPLETION REPORT

W.R. 278 U.S.G.S. ____
Field Location ☐ Map area 27A1
Latitude ____ ° ____ ' ____ " Elev. ____
Longitude ____ ° ____ ' ____ " Topo. ____
Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐
Location map attached to WCR ____ Data in Town Files ☐ ____

1. WELL OWNER Bill Gleason (Name) 116 South St. Rutland, VT. (Permanent Mailing Address)
OR
WELL PURCHASER ____ (Name) ____ (Permanent Mailing Address)
2. LOCATION OF WELL: TOWN Wallingford SUBDIVISION ____ LOT NO. ____
3. DATE WELL WAS COMPLETED 8-31-89
4. PROPOSED USE OF WELL: ☒ Domestic, ☐ Other ____
5. REASON FOR DRILLING WELL: ☒ New Supply, ☐ Replace Existing Supply, ☐ Deepen Existing Well, ☐ Test or Exploration, ☐ Provide Additional Supply, ☐ Other ____
6. DRILLING EQUIPMENT: ☐ Cable Tool, ☒ Rotary with A-P, ☐ Other ____
7. TYPE OF WELL: ☒ Open Hole in Bedrock, ☐ Open End Casing, ☐ Screened or Slotted; ☐ Other ____
8. TOTAL DEPTH OF WELL: 270 feet below land surface.
9. CASING FINISH: ☒ Above ground, Finished, ☐ Above ground, Unfinished, ☐ Buried, ☐ In Pit, ☐ Removed, ☐ None used, ☐ Other ____
10. CASING DETAILS: Total length 230 ft. Length below L.S. 228 ft Dia. 6 in. Material STEEL Wt. 17 lb./ft
11. N/A LINER OR INNER CASING DETAILS: Length used ____ ft. Diameter ____ in. Material ____ Weight ____ lb./ft.
12. METHOD OF SEALING CASING TO BEDROCK: ☒ Drive Shoe, ☐ Grout - type ____, Drilled ____ in. hole ____ ft in Bedrock ☐ Other ____
13. N/A SCREEN DETAILS: Make and Type ____, Material ____, Length ____ ft, Diameter ____ in., Slot Size ____, Depth to top of screen in feet below land surface ____ ft., Gravel pack if used: Gravel Size or Type ____
14. YIELD TEST: ☐ Bailed, ☐ Pumped, ☒ Compressed Air, for 2 Hours at 10 Gallons per minute
Measured by ☒ Bucket, ☐ Oriface pipe, ☐ Wier, ☐ Meter ☐ Permanent Airline Installed
15. STATIC WATER LEVEL: 40 feet below land surface, Date or Time measured 9-1-89, Overflows at ____ G P M
16. WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☒ No, If Yes, Where ____
17. SPECIAL NOTES: ____
18. WELL LOG

Depth from Land Surface Feet	Depth from Land Surface Feet	Water Bearing	Formation Description	Sketch
Ground Surface	215		Clay	
215	270		Limestone	

19. SITE MAP
Show permanent structure such as buildings, septic tanks, and/or other land marks and indicate not less than two distances to the well. Indicate local street name and subdivision lot number.



20. TESTED YIELD
If the yield was tested at different depths during drilling, list below.

Feet	Gallons Per Minute

WELL DRILLED BY: JERRY PARKER JR.
DOING BUSINESS AS: PARKER WATER WELLS (Company or Business Name)
REPORT FILED BY: Jerry Parker (Authorized Signature)
DATE OF REPORT: 1-20-90 WELL DRILLERS LIC. NO. 176

130
(For Driller's Use)

This report must be completed and submitted to the Department of Water Resources and Environmental Engineering, no later than 60 days after completion of the well.

DEPARTMENT OF WATER RESOURCES AND ENVIRONMENTAL ENGINEERING
WELL COMPLETION REPORT

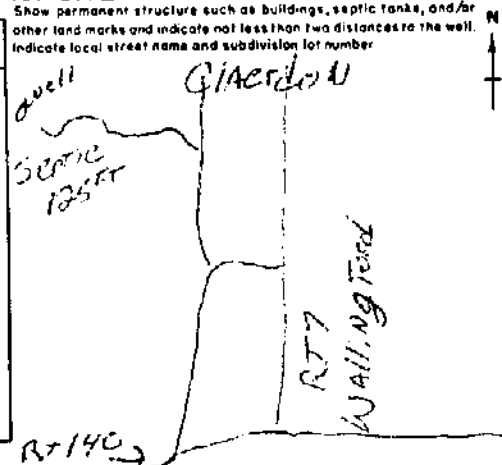
W.R. 288 U.S.G.S. ____
Field Location ☐ Map area 27A1
Latitude ____ ° ' " Elev. ____
Longitude ____ ° ' " Topo. ____
Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐
Location map attached to WCR ____ Data in Town Files ☐ ____

1. WELL OWNER Caroline Sloan, 111 4th St. New York, NY 10003
(Name — Permanent Mailing Address)
OR
WELL PURCHASER ____ (Name — Permanent Mailing Address)
2. LOCATION OF WELL: TOWN Wallingford SUBDIVISION ____ LOT NO. ____
3. DATE WELL WAS COMPLETED 11-2-92
4. PROPOSED USE OF WELL: ☒ Domestic, ☐ Other ____
5. REASON FOR DRILLING WELL: ☒ New Supply, ☐ Replace Existing Supply, ☐ Deepen Existing Well, ☐ Test or Exploration, ☐ Provide Additional Supply, ☐ Other ____
6. DRILLING EQUIPMENT: ☐ Cable Tool, ☒ Rotary with A-P, ☐ Other ____
7. TYPE OF WELL: ☒ Open Hole in Bedrock, ☐ Open End Casing, ☐ Screened or Slotted, ☐ Other ____
8. TOTAL DEPTH OF WELL: 505 feet below land surface.
9. CASING FINISH: ☒ Above ground, Finished, ☐ Above ground, Unfinished, ☐ Buried, ☐ In Pit, ☐ Removed, ☐ None used, ☐ Other ____
10. CASING DETAILS: Total length 28 ft. Length below L.S 25 ft Dia. 6 in. Material steel Wt 17 lb./ft
11. ~~LINER OR INNER CASING DETAILS:~~ Length used ____ ft. Diameter ____ in. Material ____ Weight ____ lb./ft.
12. METHOD OF SEALING CASING TO BEDROCK: ☒ Drive Shoe, ☐ Grout-type ____, Drilled ____ in hole ____ ft in Bedrock ☐ Other ____
13. ~~SCREEN DETAILS:~~ Make and Type ____, Material ____, Length ____ ft, Diameter ____ in, Slot Size ____, Depth to top of screen in feet below land surface ____ ft, Gravel pack if used: Gravel Size or Type ____
14. YIELD TEST: ☐ Bailed, ☐ Pumped, ☒ Compressed Air, for 3 Hours at 1 1/2 Gallons per minute
Measured by ☒ Bucket, ☐ Orifice pipe, ☐ Weir, ☐ Meter ☐ Permanent Airline Installed
15. STATIC WATER LEVEL: 30 feet below land surface, Date or Time measured ____, Overflows at ____ G.P.M
16. WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☒ No, If Yes, Where ____
17. SPECIAL NOTES: ____

18. WELL LOG

Depth from Land Surface: Feet	Feet	Water Bearing	Formation Description	Sketch
Ground Surface	15		Hard PAN	
15	450		BLACK Shale	
450	505		Lime Stone	

19. SITE MAP
Show permanent structure such as buildings, septic tanks, and/or other land marks and indicate not less than two distances to the well. Indicate local street name and subdivision lot number



20. TESTED YIELD
If the yield was tested at different depths during drilling, list below.

Feet	Gallons Per Minute

WELL DRILLED BY: JERRY PARKER JR.
DOING BUSINESS AS: PARKER WATER WELLS (Company or Business Name)
REPORT FILED BY: Jerry Parker Jr. (Authorized Signature)
DATE OF REPORT: 12-8-92 WELL DRILLERS LIC. NO. 176

97
(For Driller's Use)

This report must be completed and submitted to the Department of Water Resources and Environmental Engineering, no later than 40 days after completion of the well.

DEPARTMENT OF WATER RESOURCES AND ENVIRONMENTAL ENGINEERING

WELL COMPLETION REPORT

NOV 24 1993

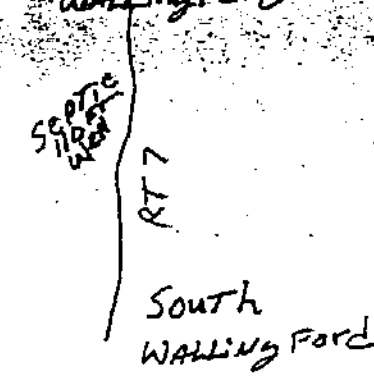
Location map attached to WCR _____

W.R. 296 U.S.G.S. _____
Field Location ☐ Map area 27A1
Latitude _____ Elev. _____
Longitude _____ Topo. _____
Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐
Data in Town Files ☐

1. WELL OWNER Richard Korchak (Name) 409 Bement Ave Staten Island, NY 1 (Permanent Mailing Address)
OR
WELL PURCHASER _____ (Name) _____ (Permanent Mailing Address)
2. LOCATION OF WELL: TOWN Wallingford SUBDIVISION _____ LOT NO. _____
3. DATE WELL WAS COMPLETED 9-25-93
4. PROPOSED USE OF WELL: ☒ Domestic, ☐ Other _____
5. REASON FOR DRILLING WELL: ☒ New Supply, ☐ Replace Existing Supply, ☐ Deepen Existing Well, ☐ Test or Exploration, ☐ Provide Additional Supply, ☐ Other _____
6. DRILLING EQUIPMENT: ☐ Cable Tool, ☒ Rotary with A-P, ☐ Other _____
7. TYPE OF WELL: ☒ Open Hole in Bedrock, ☐ Open End Casing, ☐ Screened or Slotted, ☐ Other _____
8. TOTAL DEPTH OF WELL: 485 feet below land surface.
9. CASING FINISH: ☒ Above ground, Finished, ☐ Above ground, Unfinished, ☐ Buried, ☐ In Pit, ☐ Removed, ☐ None used, ☐ Other _____
10. CASING DETAILS: Total length 20 ft. Length below L.S. 17 ft. Dia. 6 in. Material Steel Wt. 17 lb./ft.
11. LINER OR INNER CASING DETAILS: Length used _____ ft. Diameter _____ in. Material _____ Weight _____ lb./ft.
12. METHOD OF SEALING CASING TO BEDROCK: ☒ Drive Shoe, ☐ Grout – type _____ Driller _____ in. hole _____ ft. in Bedrock, ☐ Other _____
13. SCREEN DETAILS: Make and Type _____ Material _____ Length _____ ft., Diameter _____ in. Slot Size _____ Depth to top of screen in feet below land surface _____ ft., Gravel pack if used: Gravel Size or Type _____
RCF 10 Feb 99
14. YIELD TEST: ☐ Bailed, ☐ Pumped, ☒ Compressed Air, Test _____ Hours at 1.5 [redacted] Gallons per minute. Measured by: ☐ Bucket, ☐ Orifice plate, ☐ Weir, ☐ Meter ☐ Permanent Airline Install
15. STATIC WATER LEVEL: 50 feet below land surface, Date or Time measured _____ Overflows at _____ G.P.M.
16. WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☐ No, If Yes, Where _____
17. SPECIAL NOTES: _____
18. WELL LOG

Depth from Land Surface Feet	Depth from Land Surface Feet	Water Bearing	Formation Description	Sketch
Ground Surface	4		CLAY	
4	485		Lime Stone	

SITE MAP
Show permanent structures such as buildings, septic tanks, and/or other land marks and indicate not less than two distances to the well. Indicate local street name and subdivision lot number.



20. TESTED YIELD
If the yield was tested at different depths during drilling, list below.

Feet	Gallons Per Minute

WELL DRILLED BY: JERRY PARKER JR.

DOING BUSINESS AS: PARKER WATER WELLS (Company or Business Name)

REPORT FILED BY: Jerry Parker Jr. (Authorized Signature)

DATE OF REPORT: 11-22-93 WELL DRILLERS LIC. NO. 176

60
(For Driller's Use)

This report must be completed and submitted to the Department of Water Resources and Environmental Engineering, no later than 30 days after completion of the well.

DEPARTMENT OF WATER RESOURCES AND ENVIRONMENTAL ENGINEERING
WELL COMPLETION REPORT

W.R. 302 U.S.G.S. _____
Field Location ☐ Map area 2741
Latitude ____ ° ____ ' ____ " Elev. _____
Longitude ____ ° ____ ' ____ " Topo. _____
Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐
Location map attached to WCR _____ Data in Town Files ☐

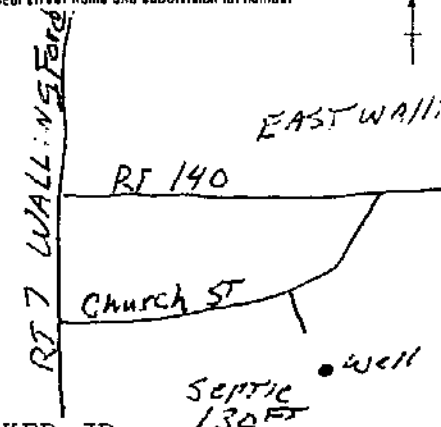
1. WELL OWNER: James Edmunds (Name) Box 214A, Wallingford, VT 05773 (Permanent Mailing Address)
OR
WELL PURCHASER _____ (Name) _____ (Permanent Mailing Address)

2. LOCATION OF WELL: TOWN Wallingford SUBDIVISION _____ LOT NO. _____
3. DATE WELL WAS COMPLETED 7-31-94
4. PROPOSED USE OF WELL: ☒ Domestic, ☐ Other _____
5. REASON FOR DRILLING WELL: ☒ New Supply, ☐ Replace Existing Supply, ☐ Deepen Existing Well, ☐ Test or Exploration, ☐ Provide Additional Supply, ☐ Other _____
6. DRILLING EQUIPMENT: ☐ Cable Tool, ☒ Rotary with A-P, ☐ Other _____
7. TYPE OF WELL: ☒ Open Hole in Bedrock, ☐ Open End Casing, ☐ Screened or Slotted, ☐ Other _____
8. TOTAL DEPTH OF WELL: 410 feet below land surface.
9. CASING FINISH: ☒ Above ground, Finished, ☐ Above ground, Unfinished, ☐ Buried, ☐ In Pit, ☐ Removed, ☐ None used, ☐ Other _____
10. CASING DETAILS: Total length 30 ft. Length below L.S 28 ft Dia. 6 in. Material steel wt 17 lb./ft.
11. LINER OR INNER CASING DETAILS: Length used _____ ft. Diameter _____ in. Material _____ Weight _____ lb./ft.
12. METHOD OF SEALING CASING TO BEDROCK: ☒ Drive Shoe, ☐ Grout – type _____, Drilled ____ in. hole ____ ft. in Bedrock ☐ Other _____
13. SCREEN DETAILS: Make and Type _____, Material _____, Length _____ ft, Diameter _____ in, Slot Size _____, Depth to top of screen in feet below land surface _____ ft., Gravel pack if used: Gravel Size or Type _____
14. YIELD TEST: ☐ Bailed, ☐ Pumped, ☒ Compressed Air, for 2 Hours at 1 1/2 Gallons per minute
Measured by ☒ Bucket, ☐ Orifice pipe, ☐ Weir, ☐ Meter ☐ Permanent Airline Installed
15. STATIC WATER LEVEL: 35 feet below land surface, Date or Time measured _____, Overflows at _____ G.P.M
16. WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☒ No, If Yes, Where _____
17. SPECIAL NOTES: _____

18. WELL LOG

Depth from Land Surface Feet	Feet	Water Bearing	Formation Description	Sketch
Ground Surface	15		Boulders	
15	410		quartz	

19. SITE MAP
Show permanent structure such as buildings, septic tanks, and/or other land marks and indicate not less than two distances to the well. Indicate local street name and subdivision lot number



20. TESTED YIELD
If the yield was tested at different depths during drilling, list below.

Feet	Gallons Per Minute

WELL DRILLED BY: JERRY PARKER JR.
DOING BUSINESS AS: PARKER WATER WELLS (Company or Business Name)
REPORT FILED BY: Jerry Parker (Authorized Signature)
DATE OF REPORT: 9-15-94 WELL DRILLERS LIC. NO. 176

61
(For Driller's Use)

This report must be completed and submitted to the Department of Water Resources and Environmental Engineering, no later than 60 days after completion of the well.

DEPARTMENT OF WATER RESOURCES AND ENVIRONMENTAL ENGINEERING
WELL COMPLETION REPORT

W.R. 303 U.S.G.S. _____
Field Location ☐ Map area 27A1
Latitude ___ ° ___ ' ___ " Elev. _____
Longitude ___ ° ___ ' ___ " Topo. _____
Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐
Location map attached to WCR _____ Data in Town Files ☐ _____

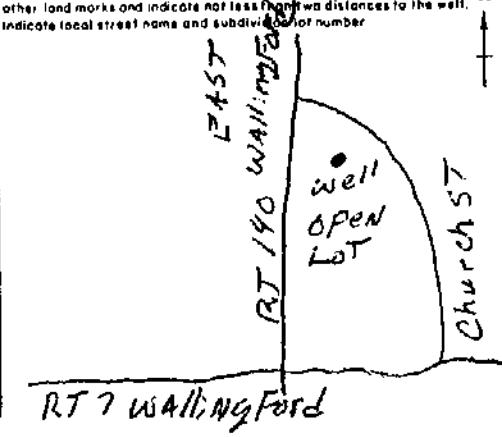
1. WELL OWNER alan Beebe, Box 101, Wallingford, VT 05773
Name — Permanent Mailing Address
OR
WELL PURCHASER _____
Name — Permanent Mailing Address

2. LOCATION OF WELL: TOWN Wallingford SUBDIVISION _____ LOT NO. _____
3. DATE WELL WAS COMPLETED 7-31-94
4. PROPOSED USE OF WELL: ☒ Domestic, ☐ Other _____
5. REASON FOR DRILLING WELL: ☒ New Supply, ☐ Replace Existing Supply, ☐ Deepen Existing Well, ☐ Test or Exploration, ☐ Provide Additional Supply, ☐ Other _____
6. DRILLING EQUIPMENT: ☐ Cable Tool, ☒ Rotary with A-P, ☐ Other _____
7. TYPE OF WELL: ☒ Open Hole in Bedrock, ☐ Open End Casing, ☐ Screened or Slotted; ☐ Other _____
8. TOTAL DEPTH OF WELL: 145 feet below land surface.
9. CASING FINISH: ☒ Above ground, Finished, ☐ Above ground, Unfinished, ☐ Buried, ☐ In Pit, ☐ Removed, ☐ None used, ☐ Other _____
10. CASING DETAILS: Total length 65 ft. Length below L.S 63 ft Dia. 6 in. Material steel wt. 17 lb./ft.
11. ~~LINER OR INNER CASING DETAILS: Length used _____ ft. Diameter _____ in. Material _____ Weight _____ lb./ft.~~
12. METHOD OF SEALING CASING TO BEDROCK: ☒ Drive Shoe, ☐ Grout - type _____, Drilled ___ in hole ___ ft in Bedrock ☐ Other _____
13. ~~SCREEN DETAILS: Make and Type _____, Material _____, Length _____ ft, Diameter _____ in, Slot Size _____, Depth to top of screen in feet below land surface _____ ft., Gravel pack if used: Gravel Size or Type _____~~
14. YIELD TEST: ☐ Bailed, ☐ Pumped, ☒ Compressed Air, for 3 Hours at 20 Gallons per minute
Measured by ☒ Bucket, ☐ Orifice pipe, ☐ Weir, ☐ Meter ☐ Permanent Airline Installed
15. STATIC WATER LEVEL: 10 feet below land surface, Date or Time measured _____, Overflows at _____ G.P.M
16. WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☒ No, If Yes, Where _____
17. SPECIAL NOTES: _____

18. WELL LOG

Depth from Land Surface Feet	Feet	Water Bearing	Formation Description	Sketch
Ground Surface	50		SAND and Boulders	
50	145		quartz	

19. SITE MAP
Show permanent structure such as buildings, septic tanks, and/or other land marks and indicate not less than two distances to the well. Indicate local street name and subdivision lot number



20. TESTED YIELD
If the yield was tested at different depths during drilling, list below.

Feet	Gallons Per Minute

WELL DRILLED BY: JERRY PARKER JR.
DOING BUSINESS AS: PARKER WATER WELLS
Company or Business Name
REPORT FILED BY: Jerry Parker
Authorized Signature
DATE OF REPORT: 9-15-94 WELL DRILLERS LIC. NO. 176

80
(For Driller's Use)

This report must be completed and submitted to the Department of Water Resources and Environmental Engineering, no later than 60 days after completion of the well.

DEPARTMENT OF WATER RESOURCES AND ENVIRONMENTAL ENGINEERING
WELL COMPLETION REPORT

SEP 2 2 1994

W.R. 304 U.S.G.S. _____
Field Location ☐ Map area 27A1
Latitude ___ ° ___ ' ___ " Elev. _____
Longitude ___ ° ___ ' ___ " Topo. _____
Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐
Location map attached to WCR _____ Data in Town Files ☐ _____

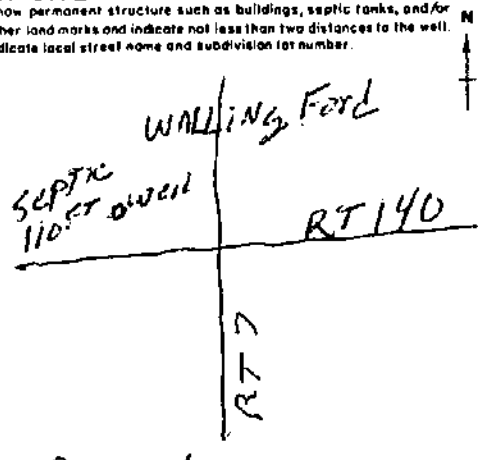
1. WELL OWNER Roy Davis RFD 1, Wallingford, VT 05738
Name — Permanent Mailing Address
OR
WELL PURCHASER _____
Name — Permanent Mailing Address

2. LOCATION OF WELL: TOWN Wallingford SUBDIVISION _____ LOT NO. _____
3. DATE WELL WAS COMPLETED 9-12-94
4. PROPOSED USE OF WELL: ☒ Domestic, ☐ Other _____
5. REASON FOR DRILLING WELL: ☒ New Supply, ☐ Replace Existing Supply, ☐ Deepen Existing Well, ☐ Test or Exploration, ☐ Provide Additional Supply, ☐ Other _____
6. DRILLING EQUIPMENT: ☐ Cable Tool, ☒ Rotary with A-P, ☐ Other _____
7. TYPE OF WELL: ☒ Open Hole in Bedrock, ☐ Open End Casing, ☐ Screened or Slotted; ☐ Other _____
8. TOTAL DEPTH OF WELL: 150 feet below land surface.
9. CASING FINISH: ☒ Above ground, Finished, ☐ Above ground, Unfinished, ☐ Buried, ☐ In Pit, ☐ Removed, ☐ None used, ☐ Other _____
10. CASING DETAILS: Total length 140 ft. Length below L.S 138 ft Dia. 6 in. Material steel Wt 17 lb./ft.
11. LINER OR INNER CASING DETAILS: Length used _____ ft. Diameter _____ in. Material _____ Weight _____ lb./ft.
12. METHOD OF SEALING CASING TO BEDROCK: ☒ Drive Shoe, ☐ Grout – type _____, Drilled ___ in. hole ___ ft in Bedrock ☐ Other _____
13. SCREEN DETAILS: Make and Type _____, Material _____, Length _____ ft., Diameter _____ in., Slot Size _____, Depth to top of screen in feet below land surface _____ ft., Gravel pack if used: Gravel Size or Type _____
14. YIELD TEST: ☐ Bailed, ☐ Pumped, ☒ Compressed Air, for 2 Hours at 30 Gallons per minute
Measured by ☒ Bucket, ☐ Orifice pipe, ☐ Weir, ☐ Meter ☐ Permanent Airline Installed
15. STATIC WATER LEVEL: 12 feet below land surface, Date or Time measured _____, Overflows at _____ G.P.M.
16. WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☒ No, If Yes, Where _____
17. SPECIAL NOTES: _____

18. WELL LOG

Depth from Land Surface: Feet	Feet	Water Bearing	Formation Description	Sketch
Ground Surface	100		SAND	
100	150		Broken up Lime Stone	

19. SITE MAP
Show permanent structure such as buildings, septic tanks, and/or other land marks and indicate not less than two distances to the well. Indicate local street name and subdivision lot number.



20. TESTED YIELD
If the yield was tested at different depths during drilling, list below.

Feet	Gallons Per Minute

WELL DRILLED BY: Jerry Parker
DOING BUSINESS AS: Parker Water Wells
Company or Business Name
REPORT FILED BY: Jerry Parker
Authorized Signature
DATE OF REPORT: 9-16-94 WELL DRILLERS LIC. NO. 176

WELL NO. / TAG NO. 60-1994
(For Driller's Use)

This report must be completed and submitted to the Department of Environmental Conservation Water Supply Division, 103 South Main Street, The Old Pantry, Waterbury, VT 05671-0403 no later than 60 days after completion of the well.

State of Vermont
Dept. of Environmental Conservation
103 S. Main St., The Old Pantry
Waterbury, VT 05671-0403

WELL COMPLETION REPORT

Location map attached to WCR ____

DEPARTMENT USE ONLY
E.C. 312 U.S.G.S. ____
Field Location ☐ Map area 27A1
Latitude ____ ° ' " Elev. ____
Longitude ____ ° ' " Topo. ____
Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐
Data in Town Files ☐

1 WELL OWNER Wallingford Fire District #1 (Name) Wallingford, Vt. (Permanent Mailing Address)
OR
WELL PURCHASER Lincoln Applied Geology, Inc. (Name) RFD #1 Box 128-B (Permanent Mailing Address) Bristol, Vt. 05443

2 LOCATION OF WELL: TOWN Wallingford SUBDIVISION ____ LOT NO. ____

3 DATE WELL WAS COMPLETED 11-21-94

4 PROPOSED USE OF WELL: ☐ Domestic, ☒ Other Municipal

5 REASON FOR DRILLING WELL: ☐ New Supply, ☐ Replace Existing Supply, ☐ Deepen Existing Well, ☒ Test or Exploration, ☐ Provide Additional Supply, ☐ Other ____ Well # A-1

6 DRILLING EQUIPMENT: ☐ Cable Tool, ☒ Rotary with A-P, ☐ Other ____

7 TYPE OF WELL: ☒ Open Hole in Bedrock, ☐ Open End Casing, ☐ Screened or Slotted, ☐ Other ____

8 TOTAL DEPTH OF WELL: 800 feet below land surface

9 CASING FINISH: ☐ Above ground, Finished, ☒ Above ground, Unfinished, ☐ Buried, ☐ In Pit, ☐ Removed, ☐ Never used, ☐ Other ____

10 CASING DETAILS: Total length 106 ft Length below L.S. 105 ft Dia. 8 in. Material Steel Wt. 29 lb./ft

11 LINER OR INNER CASING DETAILS: Length used ____ ft Diameter ____ in. Material ____ Weight ____ lb./ft

12 METHOD OF SEALING CASING TO BEDROCK: ☒ Drive Shoe, ☒ Grout - Type Neat Cem., Drilled 12¼ in hole 20 ft in Bedrock
☐ Other ____

13 SCREEN DETAILS: Make and Type ____, Material ____, Length ____ ft, Diameter ____ in.
Slot Size ____, Depth to top of screen in feet below land surface ____ ft, Gravel pack if used, Gravel Size or Type ____

14 YIELD TEST: ☐ Bailed, ☐ Pumped, ☒ Compressed Air, for 6 Hours at 100 Gallons per minute
Measured by ☒ Bucket, ☐ Orifice pipe, ☐ Weir, ☐ Meter ☐ Permanent Airline installed

15 STATIC WATER LEVEL: 10 feet below land surface, Date or Time measured 11-21-94, Overflows at ____ G.P.M.

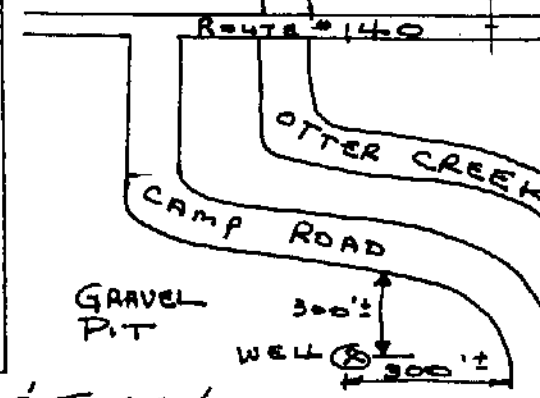
16 WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☒ No, If Yes, Where ____

17 SPECIAL NOTES: ____

18 WELL LOG

Depth from Land Surface Feet	Feet	Water Bearing	Formation Description	Sketch
Ground Surface	85		Gravel	
85	800	✓	Marble (various colors)	

19. SITE MAP
Show permanent structure such as buildings, septic tanks, and/or other land marks and indicate not less than two distances to the well. Indicate local street name and subdivision lot number.



20 TESTED YIELD
If the yield was tested at different depths during drilling, list below.

Feet	Gallons Per Minute
160	1
370	3
500	6
645	30
675	50

WELL DRILLED BY: Ray & Jeff Leonard
DOING BUSINESS AS: Green Mt. Drilling Co., Inc. (Company or Business Name)
REPORT FILED BY: Raymond L. Leonard Jr. (Authorized Signature)
DATE OF REPORT: 11-26-94 WELL DRILLERS LIC. NO. 51

WELL NO. / TAG NO.
14504
(For Drillers Use)

This report must be completed and submitted to the Department of Environmental Conservation Water Supply Division, 103 South Main Street, The Old Pantry, Waterbury, VT 05671-0403 no later than 60 days after completion of the well.

State of Vermont
Dept. of Environmental Conservation
103 S. Main St., The Old Pantry
Waterbury, VT 05671-0403

WELL COMPLETION REPORT

Location map attached to WCR _____

DEPARTMENT USE ONLY
E.C. 314 U.S.G.S. _____
Field Location ☐ Map area _____
Latitude ___ ° ___ ' ___ " Elev. _____
Longitude ___ ° ___ ' ___ " Topo. _____
Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐
Data in Town Files ☐ _____

#14504
Anna McLaughlin Rte 155 E. Wallingford, VT
6/23/81 Moved #21 Portadrill Rotary Machine on job; started new well; struck bedrock 120'; cased with 130' of 6" pipe; drilled 170'; well made 6 gpm; water level about feet; moved off 6/25
V. Bushee

WELL DRILLED BY: Vincent Bushee

DOING BUSINESS AS: A. & W. ARTESIAN WELL CO. OF VT, INC.
P.O. Box 568
Woonsocket, RI 02895
(Business Name)

REPORT FILED BY: Vincent Bushee
(Authorized Signature)

DATE OF REPORT: 6/25/81 WELL DRILLERS LIC. NO. 16

46
(For Driller's Use)

This report must be completed and submitted to the Department of Water Resources and Environmental Engineering, no later than 60 days after completion of the well.

DEPARTMENT OF WATER RESOURCES AND ENVIRONMENTAL ENGINEERING
WELL COMPLETION REPORT

AUG 28 1995

Location map attached to WCR ____

W.R. 317 U.S.G.S. ____
Field Location ☐ Map area 2741
Latitude ____ ° ' " Elev. ____
Longitude ____ ° ' " Topo. ____
Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐
Data in Town Files ☐ ____

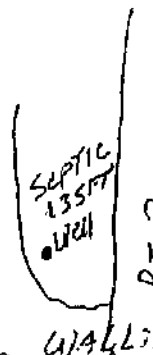
1. WELL OWNER Craig Niedzwiecki RR2 N Clarendon, VT 0577
Name — Permanent Mailing Address
OR
WELL PURCHASER ____
Name — Permanent Mailing Address

2. LOCATION OF WELL: TOWN Wallingford SUBDIVISION ____ LOT NO. ____
3. DATE WELL WAS COMPLETED 6/29/95
4. PROPOSED USE OF WELL: ☒ Domestic, ☐ Other ____
5. REASON FOR DRILLING WELL: ☒ New Supply, ☐ Replace Existing Supply, ☐ Deepen Existing Well, ☐ Test or Exploration, ☐ Provide Additional Supply, ☐ Other ____
6. DRILLING EQUIPMENT: ☐ Cable Tool, ☒ Rotary with A-P, ☐ Other ____
7. TYPE OF WELL: ☒ Open Hole in Bedrock, ☐ Open End Casing, ☐ Screened or Slotted, ☐ Other ____
8. TOTAL DEPTH OF WELL: 605 feet below land surface.
9. CASING FINISH: ☒ Above ground, Finished, ☐ Above ground, Unfinished, ☐ Buried, ☐ In Pit, ☐ Removed, ☐ None used, ☐ Other ____
10. CASING DETAILS: Total length 50 ft. Length below L.S 48 ft Dia. 6 in. Material steel Wt 17 lb./ft
11. LINER OR INNER CASING DETAILS: Length used ____ ft. Diameter ____ in. Material ____ Weight ____ lb./ft.
12. METHOD OF SEALING CASING TO BEDROCK: ☒ Drive Shoe, ☐ Grout - type ____, Drilled ____ in. hole ____ ft in Bedrock ☐ Other ____
13. SCREEN DETAILS: Make and Type ____, Material ____, Length ____ ft, Diameter ____ in
Slot Size ____, Depth to top of screen in feet below land surface ____ ft, Gravel pack if used: Gravel Size or Type ____
14. YIELD TEST: ☐ Bailed, ☐ Pumped, ☒ Compressed Air, for 2 Hours at 1 1/2 Gallons per minute
Measured by ☒ Bucket, ☐ Orifice pipe, ☐ Weir, ☐ Meter ☐ Permanent Airline Installe
15. STATIC WATER LEVEL: 160 feet below land surface, Date or Time measured ____, Overflows at ____ G.P.M.
16. WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☒ No, If Yes, Where ____
17. SPECIAL NOTES: ____

18. WELL LOG

Depth from Land Surface Feet	Feet	Water Bearing	Formation Description	Sketch
Ground Surface	38		SAND	
38	605		Lime Stone	

19. SITE MAP
Show permanent structure such as buildings, septic tanks, and/or other land marks and indicate not less than two distances to the well. Indicate local street name and subdivision lot number



20. TESTED YIELD
If the yield was tested at different depths during drilling, list below.

Feet	Gallons Per Minute

WELL DRILLED BY: Jerry Parker Jr.
DOING BUSINESS AS: Parker Water Well
Company or Business Name
REPORT FILED BY: Jerry Parker Jr.
Authorized Signature
DATE OF REPORT: 8/18/95 WELL DRILLERS LIC. NO. 176

WELL NO. / TAG NO. 213/26
(For Driller's Use)

This report must be completed and submitted to the Department of Environmental Conservation Water Supply Division, 103 South Main Street, The Old Pantry, Waterbury, VT 05671-0403 no later than 60 days after completion of the well.

State of Vermont
Dept. of Environmental Conservation
103 S. Main St., The Old Pantry
Waterbury, VT 05671-0403

WELL COMPLETION REPORT

SEP 1 1 1995
Location map attached to WCR ____

DEPARTMENT USE ONLY
E.C. 322 U.S.G.S. ____
Field Location ☐ Map area 27A1
Latitude ____ ° ' " Elev. ____
Longitude ____ ° ' " Topo. ____
Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐
Data in Town Files ☐

1 WELL OWNER Bernard J. Eddy Jr. Sandra Eddy RR#1 Box 119 Wallingford VT 05773
(Name) (Permanent Mailing Address)
OR
WELL PURCHASER ____ (Name) ____ (Permanent Mailing Address)

2 LOCATION OF WELL: TOWN Wallingford SUBDIVISION Church St. LOT NO. ____

3 DATE WELL WAS COMPLETED 6-26-95

4 PROPOSED USE OF WELL: ☒ Domestic, ☐ Other ____

5 REASON FOR DRILLING WELL: ☐ New Supply, ☒ Replace Existing Supply, ☐ Deepen Existing Well, ☐ Test or Exploration, ☐ Provide Additional Supply, ☐ Other ____

6. DRILLING EQUIPMENT: ☐ Cable Tool, ☒ Rotary with A-P, ☐ Other ____

7 TYPE OF WELL: ☒ Open Hole in Bedrock, ☐ Open End Casing, ☐ Screened or Slotted, ☐ Other ____

8 TOTAL DEPTH OF WELL: 122' feet below land surface

9 CASING FINISH: ☐ Above ground, Finished, ☒ Above ground, Unfinished, ☐ Buried, ☐ In Pit, ☐ Removed, ☐ None used, ☐ Other ____

10. CASING DETAILS: Total length 28 ft. Length Below L.S. 26 ft. Dia. 6 in. Material Steel Wt. 19 lb./ft.

11 LINER OR INNER CASING DETAILS: Length used ____ ft. Diameter ____ in. Material ____ Weight ____ lb./ft.

12. METHOD OF SEALING CASING TO BEDROCK: ☒ Drive Shoe, ☐ Grout - type ____, Drilled 8 in. hole 12 ft. in Bedrock
☐ Other ____

13 SCREEN DETAILS: Make and Type ____, Material ____, Length ____ ft., Diameter ____ in.
Slot Size ____, Depth to top of screen in feet below land surface ____ ft., Gravel pack if used, Gravel Size or Type ____

14. YIELD TEST: ☐ Bailed, ☐ Pumped, ☒ Compressed Air, for 1 Hours at 20 Gallons per minute
Measured by: ☒ Bucket, ☐ Orifice pipe, ☐ Weir, ☐ Meter ☐ Permanent Airline installed

15 STATIC WATER LEVEL 20 feet below land surface, Date or Time measured 6-21-95, Overflows at ____ G.P.M.

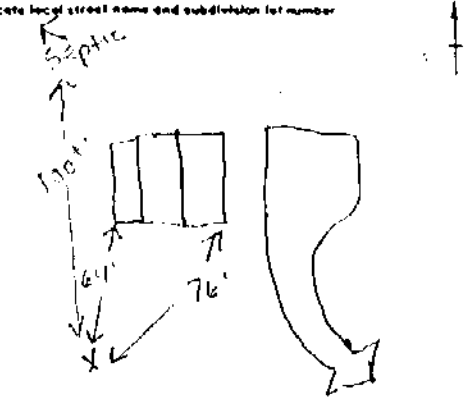
16 WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☒ No. If Yes, Where ____

17 SPECIAL NOTES: ____

18 WELL LOG

Depth from Land Surface: Feet	Feet	Water Bearing	Formation Description	Sketch
Ground Surface	14		Sand & gravel	
14	75		Solid pink Limestone ledge	
75	80	No	Soft brown Limestone	
80	106		pink Limestone	
106	118	yes	Soft brown Fractured Limestone	2 gpm
118	122		gray Limestone	

19. SITE MAP
Show permanent structure such as buildings, septic tanks, and/or other land marks and indicate not less than two distances to the well. Indicate local street name and subdivision lot number.



20. TESTED YIELD
If the yield was tested at different depths during drilling, list below.

Feet	Gallons Per Minute
122	20
105	20

WELL DRILLED BY: Sean & Hayward

DOING BUSINESS AS: Ottauquechee Well Drilling Inc.
(Company or Business Name)

REPORT FILED BY: ____ (Authorized Signature)

DATE OF REPORT: 6-30-95 WELL DRILLERS LIC. NO. 213

WELL NO. / TAG NO.
213/27
(For Driller's Use)

This report must be completed and submitted to the Department of Environmental Conservation Water Supply Division, 103 South Main Street, The Old Pantry, Waterbury, VT 05671-0403 no later than 60 days after completion of the well.

State of Vermont
Dept. of Environmental Conservation
103 S. Main St., The Old Pantry
Waterbury, VT 05671-0403

WELL COMPLETION REPORT

SEP 11 1995

Location map attached to WCR ____

DEPARTMENT USE ONLY
E.C. 323 U.S.G.S. ____
Field Location ☐ Map area 27A1
Latitude ____ ° ____ ' ____ " Elev. ____
Longitude ____ ° ____ ' ____ " Topo. ____
Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐
Data in Town Files ☐

1 WELL OWNER Fred + Lois H. Thurlow (Name) RR#1 Box 220 Wallingford Vt 05773 (Permanent Mailing Address)
OR
WELL PURCHASER ____ (Name) ____ (Permanent Mailing Address)

2 LOCATION OF WELL: TOWN Wallingford SUBDIVISION Church St. LOT NO. ____

3 DATE WELL WAS COMPLETED 6-21-95

4 PROPOSED USE OF WELL: ☒ Domestic, ☐ Other ____

5 REASON FOR DRILLING WELL: ☐ New Supply, ☒ Replace Existing Supply, ☐ Deepen Existing Well, ☐ Test or Exploration, ☐ Provide Additional Supply, ☐ Other ____

6. DRILLING EQUIPMENT: ☐ Cable Tool, ☒ Rotary with A-P, ☐ Other ____

7 TYPE OF WELL: ☒ Open Hole in Bedrock, ☐ Open End Casing, ☐ Screened or Slotted, ☐ Other ____

8 TOTAL DEPTH OF WELL: 322 feet below land surface

9 CASING FINISH: ☐ Above ground, Finished, ☒ Above ground, Unfinished, ☐ Buried, ☐ In Pit, ☐ Removed, ☐ None used, ☐ Other ____

10. CASING DETAILS: Total length 21 ft. Length below L.S. 19 ft. Dia. 6 in. Material Steel Wt. 19 lb./ft.

11 LINER OR INNER CASING DETAILS: Length used ____ ft. Diameter ____ in. Material ____ Weight ____ lb./ft.

12. METHOD OF SEALING CASING TO BEDROCK: ☒ Drive Shoe, ☐ Grout - type ____, Drilled 8" in. hole 11 ft. in Bedrock ☐ Other ____

13 SCREEN DETAILS: Make and Type ____, Material ____, Length ____ ft., Diameter ____ in. Slot Size ____, Depth to top of screen in feet below land surface ____ ft., Gravel pack if used, Gravel Size or Type ____

14 YIELD TEST: ☐ Bailed, ☐ Pumped, ☒ Compressed Air, for 1/2 Hours at 1 Gallons per minute
Measured by ☒ Bucket, ☐ Orifice pipe, ☐ Weir, ☐ Meter ☐ Permanent Airline installed

15 STATIC WATER LEVEL: 12 feet below land surface, Date or Time measured 6-22-95, Overflows at ____ G.P.M.

16 WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☒ No, If Yes, Where ____

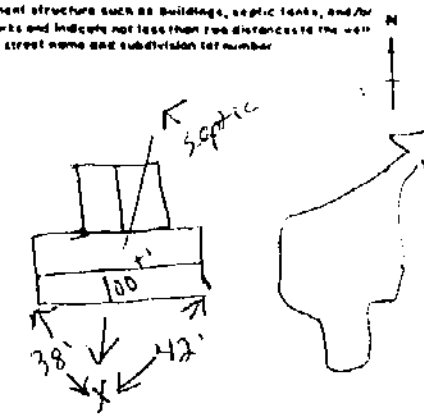
17 SPECIAL NOTES: ____

18 WELL LOG

Depth from Land Surface Feet	Feet	Water Bearing	Formation Description	Sketch
Ground Surface	8		Sand	
8	30		Solid black Limestone ledge	
30	35	No	softer black Limestone	
35	66		Solid black Limestone	
66	80	No	white Limestone + quartz mix	
80	210		black Limestone	
210	215	yes	Soft brown Limestone with 3qts/min	
215	305		black Limestone	

Over

19. SITE MAP
Show permanent structure such as buildings, septic tanks, and/or other land marks and indicate not less than two distances to the well. Indicate local street name and subdivision lot number.



20. TESTED YIELD
If the yield was found at different depths during drilling, list below.

Feet	Gallons Per Minute
322	1

WELL DRILLED BY: Spear + Hayward over

DOING BUSINESS AS: Ottauquechee Well Drilling (Company or Business Name)

REPORT FILED BY: [signature] (Authorized Signature)

DATE OF REPORT: 6-29-95 WELL DRILLERS LIC. NO. 213

108
(For Driller's Use)

This report must be completed and submitted to the Department of Water Resources and Environmental Engineering, no later than 60 days after completion of the well.

DEPARTMENT OF WATER RESOURCES AND ENVIRONMENTAL ENGINEERING
WELL COMPLETION REPORT

DEC 6 1995

W.R. 329 U.S.G.S. ____
Field Location ☐ Map area 27A1
Latitude ____ ° ' " Elev. ____
Longitude ____ ° ' " Topo. ____
Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐
Location map attached to WCR ____ Data in Town Files ☐ ____

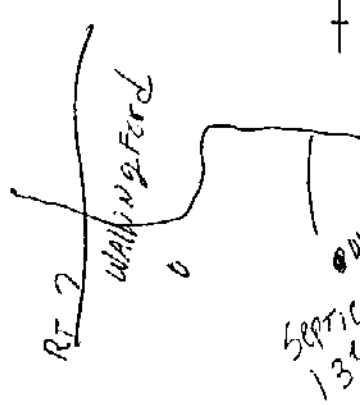
1. WELL OWNER Jeff Davenport Box 276 Waldo Lane
Name — Permanent Mailing Address
OR
WELL PURCHASER ____ Wallingford, VT
Name — Permanent Mailing Address

2. LOCATION OF WELL: TOWN Wallingford SUBDIVISION ____ LOT NO. ____
3. DATE WELL WAS COMPLETED 10-14-95
4. PROPOSED USE OF WELL: ☒ Domestic, ☐ Other ____
5. REASON FOR DRILLING WELL: ☒ New Supply, ☐ Replace Existing Supply, ☐ Deepen Existing Well, ☐ Test or Exploration, ☐ Provide Additional Supply, ☐ Other ____
6. DRILLING EQUIPMENT: ☐ Cable Tool, ☒ Rotary with A-P, ☐ Other ____
7. TYPE OF WELL: ☒ Open Hole in Bedrock, ☐ Open End Casing, ☐ Screened or Slotted, ☐ Other ____
8. TOTAL DEPTH OF WELL: 405 feet below land surface.
9. CASING FINISH: ☒ Above ground, Finished, ☐ Above ground, Unfinished, ☐ Buried, ☐ In Pit, ☐ Removed, ☐ None used, ☐ Other ____
10. CASING DETAILS: Total length 22 ft. Length below L.S. 20 ft Dia. 6 in. Material steel Wt. 17 lb./ft
11. LINER OR INNER CASING DETAILS: Length used ____ ft. Diameter ____ in. Material ____ Weight ____ lb./ft.
12. METHOD OF SEALING CASING TO BEDROCK: ☒ Drive Shoe, ☐ Grout - type ____, Drilled ____ in hole ____ ft in Bedrock ☐ Other ____
13. SCREEN DETAILS: Make and Type ____, Material ____, Length ____ ft, Diameter ____ in., Slot Size ____, Depth to top of screen in feet below land surface ____ ft, Gravel pack if used: Gravel Size or Type ____
14. YIELD TEST: ☐ Bailed, ☐ Pumped, ☒ Compressed Air, for 3 Hours at 4 Gallons per minute
Measured by ☒ Bucket, ☐ Orifice pipe, ☐ Weir, ☐ Meter ☐ Permanent Airline Installed
15. STATIC WATER LEVEL: 10 feet below land surface, Date or Time measured ____, Overflows at ____ G.P.M.
16. WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☐ No, If Yes, Where ____
17. SPECIAL NOTES: ____

18. WELL LOG

Depth from Land Surface Feet	Feet	Water Bearing	Formation Description	Sketch
Ground Surface	8		CLAY	
8	405		BLACK Shale with quartz	

19. SITE MAP
Show permanent structure such as buildings, septic tanks, and/or other land marks and indicate not less than two distances to the well. Indicate local street name and subdivision lot number.



20. TESTED YIELD
If the yield was tested at different depths during drilling, list below

Feet	Gallons Per Minute

WELL DRILLED BY: JERRY PARKER JR.
DOING BUSINESS AS: PARKER WATER WELLS
Company or Business Name
REPORT FILED BY: Jerry Parker Jr.
Authorized Signature
DATE OF REPORT: 10-25-95 WELL DRILLERS LIC. NO. 176

WELL NO. / TAG NO. 12-001
(For Driller's Use)

This report must be completed and submitted to the Department of Environmental Conservation Water Supply Division, 103 South Main Street, The Old Pantry, Waterbury, VT 05671-0403 no later than 60 days after completion of the well.

State of Vermont
Dept. of Environmental Conservation
103 S. Main St., The Old Pantry
Waterbury, VT 05671-0403

WELL COMPLETION REPORT

JAN 2 1996

Location map attached to WCR ____

DEPARTMENT USE ONLY
E.C. 331 U.S.G.S. ____
Field Location ☐ Map area 27A1
Latitude ____ ° ' " Elev. ____
Longitude ____ ° ' " Topo. ____
Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐
Data in Town Files ☐

1 WELL OWNER Walling Ford Fire District #1 (Name) (Permanent Mailing Address)
OR
WELL PURCHASER Lincoln Applied Geology RFD #1 Box 170 Bristol, Vt 05443 (Name) (Permanent Mailing Address)

2 LOCATION OF WELL: TOWN Walling Ford SUBDIVISION ____ LOT NO. ____

3 DATE WELL WAS COMPLETED 12/19/95

4 PROPOSED USE OF WELL ☐ Domestic, ☐ Other Town Water Supply

5 REASON FOR DRILLING WELL ☐ New Supply, ☑ Replace Existing Supply, ☐ Deepen Existing Well, ☐ Test or Exploration, ☐ Provide Additional Supply, ☐ Other ____

6. DRILLING EQUIPMENT: ☐ Cable Tool, ☑ Rotary with A-P, ☑ Other Started with Bucket auger for working ca

7 TYPE OF WELL: ☐ Open Hole in Bedrock, ☐ Open End Casing, ☑ Screened or Slotted, ☐ Other see other side for diagram

8 TOTAL DEPTH OF WELL: 55' feet below land surface

9 CASING FINISH: ☐ Above ground, Finished, ☑ Above ground, Unfinished, ☐ Buried, ☐ In Pit, ☐ Removed, ☐ None used, ☐ Other ____

10 CASING DETAILS: Total length 45 ft. Length below L.S. 43 ft. Dia. 12" in. Material Steel wt. 51.5 lb./ft.

11 LINER OR INNER CASING DETAILS: Length used ____ ft. Diameter ____ in. Material ____ Weight ____ lb./ft.

12. METHOD OF SEALING CASING TO BEDROCK: ☐ Drive Shoe, ☐ Grout – type ____, Drilled ____ in. hole ____ ft. in Bedrock
☑ Other 2 ft Bentonite seal, grouted to about 8' from surf

13 SCREEN DETAILS: Make and Type Johnson, Material Stainless, Length 12' ft., Diameter 12"
Slot Size 013.0, Depth to top of screen in feet below land surface 43' ft., Gravel pack if used, Gravel Size or Type # 4 Morie Top at 38'

14 YIELD TEST: ☑ Bailed, ☑ Pumped, ☐ Compressed Air, for 8 Hours at 150 Gallons per minute with minimal Drawdown max expected yield 1,100 gpm
Measured by ☐ Bucket, ☐ Orifice pipe, ☑ Weir, ☐ Meter ☐ Permanent Airline installed

15 STATIC WATER LEVEL: 5 feet below land surface, Date or Time measured 12/19/95, Overflows at ____ G.P.M.

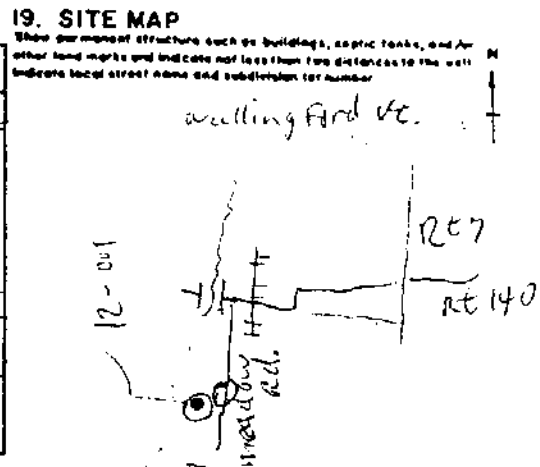
16 WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☐ No, If Yes, Where ____

17 SPECIAL NOTES Surged + Pumped with Cable Tool method of development hrs

18 WELL LOG

Depth from Land Surface Feet	Feet	Water Bearing	Formation Description	Source
Ground Surface	5	N	organic	
5	26	?		
26	28	Y	silty sand	
28	38		silty sandy till →	
			with coarse gravels	
38	55	Y	coarse gravel	

19. SITE MAP
Show permanent structure such as buildings, septic tanks, and/or other land marks and indicate not less than two distances to the well. Indicate local street name and subdivision lot number.



20. TESTED YIELD
If the yield was tested at different depths during drilling, list below.

Feet	Gallons Per Minute
21	150

WELL DRILLED BY: Ronald Dube

DOING BUSINESS AS: O.E. Dube & Son Inc. (Company or Business Name)

REPORT FILED BY: (David R. Dube) David R. Dube (Authorized Signature)

DATE OF REPORT: 12/20/95 WELL DRILLERS LIC. NO. 250

WELL NO. / TAG NO. H 662

(For Driller's Use)

This report must be completed and submitted to the Department of Environmental Conservation Water Supply Division, 103 South Main Street, The Old Pantry, Waterbury, VT 05671-0403 no later than 60 days after completion of the well.

State of Vermont
Dept. of Environmental Conservation
103 S. Main St., The Old Pantry
Waterbury, VT 05671-0403

WELL COMPLETION REPORT

JAN 11 1996

Location map attached to WCR ____

DEPARTMENT USE ONLY
E.C. 335 U.S.G.S ____
Field Location ☐ Map area 27A1
Latitude ____ ° ' " Elev. ____
Longitude ____ ° ' " Topo. ____
Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐
Data in Town Files ☐ ____

1 WELL OWNER Frank Burnham (Name) (Permanent Mailing Address)
OR
WELL PURCHASER ____ (Name) ____ (Permanent Mailing Address)

2 LOCATION OF WELL: TOWN Wallingford Vt SUBDIVISION ____ LOT NO. ____

3 DATE WELL WAS COMPLETED 11-7-95

4 PROPOSED USE OF WELL ☒ Domestic, ☐ Other ____

5 REASON FOR DRILLING WELL: ☐ New Supply, ☒ Replace Existing Supply, ☐ Deepen Existing Well, ☐ Test or Exploration, ☐ Provide Additional Supply, ☐ Other ____

6 DRILLING EQUIPMENT: ☐ Cable Tool, ☒ Rotary with A-P, ☐ Other ____

7 TYPE OF WELL: ☒ Open Hole in Bedrock, ☐ Open End Casing, ☐ Screened or Slotted, ☐ Other ____

8 TOTAL DEPTH OF WELL: 245 feet below land surface

9 CASING FINISH: ☒ Above ground, Finished, ☐ Above ground, Unfinished, ☐ Buried, ☐ In Pit, ☐ Removed, ☐ None used, ☐ Other ____

10 CASING DETAILS: Total length 37' ft. Length below L.S. 35 ft. Dia. 6 in. Material steel Wt. 17 lb./ft.

11 LINER OR INNER CASING DETAILS: Length used ____ ft. Diameter ____ in. Material ____ Weight ____ lb./ft.

12. METHOD OF SEALING CASING TO BEDROCK: ☒ Drive Shoe, ☐ Grout - type ____, Drilled 8 in. hole 1 ft. in Bedrock ☐ Other ____

13 SCREEN DETAILS: Make and Type ____, Material ____, Length ____ ft., Diameter ____ in., Slot Size ____, Depth to top of screen in feet below land surface ____ ft., Gravel pack if used, Gravel Size or Type ____

14 YIELD TEST: ☐ Bailed, ☐ Pumped, ☒ Compressed Air, for 1 Hours at 40 Gallons per minute
Measured by ☒ Bucket, ☐ Orifice pipe, ☐ Weir, ☐ Meter ☐ Permanent Airline installed

15 STATIC WATER LEVEL: 27' feet below land surface, Date or Time measured ____, Overflows at ____ G.P.M.

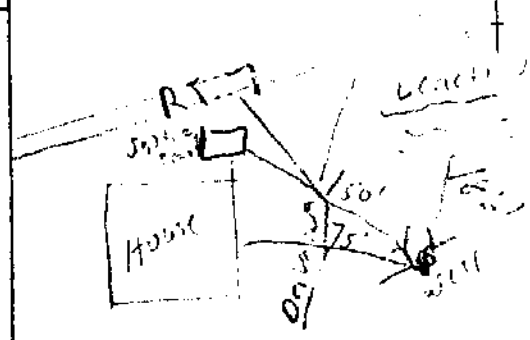
16 WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☐ No, If Yes, Where ____

17 SPECIAL NOTES: ____

18 WELL LOG

Depth from Land Surface: Feet	Depth from Land Surface: Feet	Water Bearing	Formation Description	Sketch
Ground Surface				
0	33		Sand & rocks	
34	245		Black & Gray limestone	
			w/Brown spots	

19. SITE MAP
Show permanent structure such as buildings, septic tanks, and/or other land marks and indicate not less than two distances to the well. Indicate local street name and subdivision lot number.



20. TESTED YIELD
If the yield was tested at different depths during drilling, list below.

Feet	Gallons Per Minute
218	40
245	40

WELL DRILLED BY: Clarence Gould

DOING BUSINESS AS: Gould & Sons (Company or Business Name)

REPORT FILED BY: Clarence Gould (Authorized Signature)

DATE OF REPORT: 12-27-95 WELL DRILLERS LIC. NO. 93

55
(For Driller's Use)

This report must be completed and submitted to the Department of Water Resources and Environmental Engineering, no later than 60 days after completion of the well.

DEPARTMENT OF WATER RESOURCES AND ENVIRONMENTAL ENGINEERING

WELL COMPLETION REPORT

SEP 5 1996

Location map attached to WCR ____

W.R. 2082 U.S.G.S. ____
Field Location ☐ Map area 27A1
Latitude ____ ° ' " Elev. ____
Longitude ____ ° ' " Topo. ____
Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐
Data in Town Files ☐

1. WELL OWNER Cia Fredricks (Name) Box 136 Scottsville Rd (Permanent Mailing Address)
OR
WELL PURCHASER ____ (Name) ____ (Permanent Mailing Address) Danby, VT
2. LOCATION OF WELL: TOWN S. Wallingford SUBDIVISION ____ LOT NO. ____
3. DATE WELL WAS COMPLETED 7-19-96
4. PROPOSED USE OF WELL: ☒ Domestic, ☐ Other ____
5. REASON FOR DRILLING WELL: ☒ New Supply, ☐ Replace Existing Supply, ☐ Deepen Existing Well, ☐ Test or Exploration, ☐ Provide Additional Supply, ☐ Other ____
6. DRILLING EQUIPMENT: ☐ Cable Tool, ☒ Rotary with A-P, ☐ Other ____
7. TYPE OF WELL: ☒ Open Hole in Bedrock, ☐ Open End Casing, ☐ Screened or Slotted, ☐ Other ____
8. TOTAL DEPTH OF WELL: 265 feet below land surface.
9. CASING FINISH: ☒ Above ground, Finished, ☐ Above ground, Unfinished, ☐ Buried, ☐ In Pit, ☐ Removed, ☐ None used, ☐ Other ____
10. CASING DETAILS: Total length 50 ft. Length below L.S. 48 ft. Dia 6 in. Material steel Wt. 17 lb./ft.
11. LINER OR INNER CASING DETAILS: Length used ____ ft. Diameter ____ in. Material ____ Weight ____ lb./ft.
12. METHOD OF SEALING CASING TO BEDROCK: ☒ Drive Shoe, ☐ Grout - type ____, Drilled ____ in hole ____ ft. in Bedrock ☐ Other ____
13. SCREEN DETAILS: Make and Type ____, Material ____, Length ____ ft., Diameter ____ in. Slot Size ____, Depth to top of screen in feet below land surface ____ ft., Gravel pack if used: Gravel Size or Type ____
14. YIELD TEST: ☐ Bailed, ☐ Pumped, ☒ Compressed Air, for 2 Hours at 2 1/2 Gallons per minute
Measured by ☒ Bucket, ☐ Orifice pipe, ☐ Weir, ☐ Meter ☐ Permanent Airline Installation
15. STATIC WATER LEVEL: 9 feet below land surface, Date or Time measured ____, Overflows at ____ G.P.M.
16. WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☐ No, If Yes, Where ____
17. SPECIAL NOTES: ____

18. WELL LOG

Depth from Land Surface Feet	Depth from Land Surface Feet	Water Bearing	Formation Description	Sketch
Ground Surface	35		SAND	
35	265		LIME STONE	

19. SITE MAP
Show permanent structure such as buildings, septic tanks, and/or other land marks and indicate not less than two distances to the well. Indicate local street name and subdivision lot number.

20. TESTED YIELD
If the yield was tested at different depths during drilling, list below.

Feet	Gallons Per Minute

WELL DRILLED BY: Jerry Parker

DOING BUSINESS AS: Parker Water Well (Company or Business Name)

REPORT FILED BY: Jerry Parker (Authorized Signature)

DATE OF REPORT: 8/7/96 WELL DRILLERS LIC. NO. 176

5C6
(For Driller's Use)

This report must be completed and submitted to the Department of Water Resources and Environmental Engineering, no later than 60 days after completion of the well.

DEPARTMENT OF WATER RESOURCES AND ENVIRONMENTAL ENGINEERING
WELL COMPLETION REPORT

SEP 5 1996

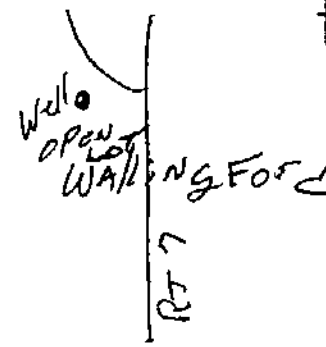
W.R. 2083 U.S.G.S. ____
Field Location ☐ Map area 27A1
Latitude ____ ° ' " Elev. ____
Longitude ____ ° ' " Topo. ____
Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐
Location map attached to WCR ____ Data in Town Files ☐ ____

1. WELL OWNER Ron Straus PO Box 307 Wallingford VT 05773
Name — Permanent Mailing Address
OR
WELL PURCHASER ____
Name — Permanent Mailing Address
2. LOCATION OF WELL: TOWN Wallingford SUBDIVISION ____ LOT NO. ____
3. DATE WELL WAS COMPLETED 7-23-96
4. PROPOSED USE OF WELL: ☒ Domestic, ☐ Other ____
5. REASON FOR DRILLING WELL: ☒ New Supply, ☐ Replace Existing Supply, ☐ Deepen Existing Well, ☐ Test or Exploration, ☐ Provide Additional Supply, ☐ Other ____
6. DRILLING EQUIPMENT: ☐ Cable Tool, ☒ Rotary with A-P, ☐ Other ____
7. TYPE OF WELL: ☒ Open Hole in Bedrock, ☐ Open End Casing, ☐ Screened or Slotted, ☐ Other ____
8. TOTAL DEPTH OF WELL: 425 feet below land surface.
9. CASING FINISH: ☒ Above ground, Finished, ☐ Above ground, Unfinished, ☐ Buried, ☐ In Pit, ☐ Removed, ☐ None used, ☐ Other ____
10. CASING DETAILS: Total length 40 ft. Length below L.S 38 ft. Dia. 6 in. Material steel Wt. 17 lb./ft.
11. LINER OR INNER CASING DETAILS: Length used ____ ft. Diameter ____ in. Material ____ Weight ____ lb./ft.
12. METHOD OF SEALING CASING TO BEDROCK: ☒ Drive Shoe, ☐ Grout - type ____, Drilled ____ in. hole ____ ft. in Bedrock ☐ Other ____
13. SCREEN DETAILS: Make and Type ____, Material ____, Length ____ ft., Diameter ____ in. Slot Size ____, Depth to top of screen in feet below land surface ____ ft., Gravel pack if used: Gravel Size or Type ____
14. YIELD TEST: ☐ Bailed, ☐ Pumped, ☒ Compressed Air, for 3 Hours at 4 Gallons per minute
Measured by ☒ Bucket, ☐ Orifice pipe, ☐ Weir, ☐ Meter ☐ Permanent Airline Installe
15. STATIC WATER LEVEL: 10 feet below land surface, Date or Time measured ____, Overflows at ____ G.P.M.
16. WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☐ No, If Yes, Where ____
17. SPECIAL NOTES: ____

18. WELL LOG

Depth from Land Surface Feet	Feet	Water Bearing	Formation Description	Sketch
Ground Surface	28		SAND	
28	425		Lime STONE	

19. SITE MAP
Show permanent structure such as buildings, septic tanks, and/or other land marks and indicate not less than two distances to the well. Indicate local street name and subdivision lot number.



20. TESTED YIELD
If the yield was tested at different depths during drilling, list below.

Feet	Gallons Per Minute

WELL DRILLED BY: Jerry Parker
DOING BUSINESS AS: Parker Water Wells
Company or Business Name
REPORT FILED BY: Jerry Parker
Authorized Signature
DATE OF REPORT: 8/7/96 WELL DRILLERS LIC. NO. 176

136
(For Driller's Use)

This report must be completed and submitted to the Department of Water Resources and Environmental Engineering, no later than 60 days after completion of the well

DEPARTMENT OF WATER RESOURCES AND ENVIRONMENTAL ENGINEERING
WELL COMPLETION REPORT

DEC 2 ...

Location map attached to WCR ____

W.R. 2084 U.S.G.S. ____
Field Location ☐ Map area 27A1
Latitude ____ ° ____ ' ____ " Elev. ____
Longitude ____ ° ____ ' ____ " Topo. ____
Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐
Data in Town Files ☐ ____

1. WELL OWNER Jerry Bruce RD Wallingford, VT
Name — Permanent Mailing Address
OR
WELL PURCHASER ____ 05773
Name — Permanent Mailing Address

2. LOCATION OF WELL: TOWN Wallingford SUBDIVISION ____ LOT NO. ____

3. DATE WELL WAS COMPLETED 12-19-96

4. PROPOSED USE OF WELL: ☒ Domestic, ☐ Other ____

5. REASON FOR DRILLING WELL: ☒ New Supply, ☐ Replace Existing Supply, ☐ Deepen Existing Well, ☐ Test or Exploration, ☐ Provide Additional Supply, ☐ Other ____

6. DRILLING EQUIPMENT: ☐ Cable Tool, ☒ Rotary with A-P, ☐ Other ____

7. TYPE OF WELL: ☒ Open Hole in Bedrock, ☐ Open End Casing, ☐ Screened or Slotted; ☐ Other ____

8. TOTAL DEPTH OF WELL: 325 feet below land surface.

9. CASING FINISH: ☒ Above ground, Finished, ☐ Above ground, Unfinished, ☐ Buried, ☐ In Pit, ☐ Removed, ☐ None used, ☐ Other ____

10. CASING DETAILS: Total length 54 ft. Length below L.S. 52 ft. Dia. 6 in. Material steel Wt. 17 lb./ft.

11. LINER OR INNER CASING DETAILS: Length used ____ ft. Diameter ____ in. Material ____ Weight ____ lb./ft.

12. METHOD OF SEALING CASING TO BEDROCK: ☒ Drive Shoe, ☐ Grout-type ____, Drilled ____ in. hole ____ ft. in Bedrock ☐ Other ____

13. SCREEN DETAILS: Make and Type ____, Material ____, Length ____ ft., Diameter ____ in. Slot Size ____, Depth to top of screen in feet below land surface ____ ft., Gravel pack if used: Gravel Size or Type ____

14. YIELD TEST: ☐ Bailed, ☐ Pumped, ☒ Compressed Air, for 4 Hours at 7 Gallons per minute
Measured by ☒ Bucket, ☐ Orifice pipe, ☐ Wier, ☐ Meter ☐ Permanent Airline Installed

15. STATIC WATER LEVEL: 210 feet below land surface, Date or Time measured ____, Overflows at ____ G.P.M.

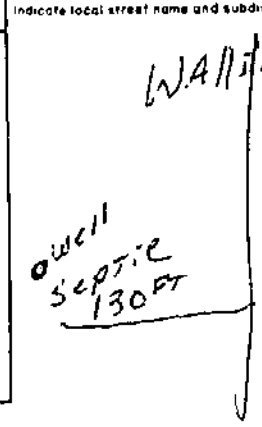
16. WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☐ No, If Yes, Where ____

17. SPECIAL NOTES: ____

18. WELL LOG

Depth from Land Surface Feet	Feet	Water Bearing	Formation Description	Sketch
Ground Surface	32		CLAY	
32	200		BLACK Shale	
200	325		LIME STONE	

19. SITE MAP
Show permanent structure such as buildings, septic tanks, and/or other land marks and indicate not less than two distances to the well. Indicate local street name and subdivision lot number



20. TESTED YIELD
If the yield was tested at different depths during drilling, list below

Feet	Gallons Per Minute

WELL DRILLED BY: JERRY PARKER JR.

DOING BUSINESS AS: PARKER WATER WELLS
Company or Business Name

REPORT FILED BY: Jerry Parker
Authorized Signature

DATE OF REPORT: 12-20-96 WELL DRILLERS LIC. NO. 176

WELL NO. / TAG NO. #7-861
(For Driller's Use)

This report must be completed and submitted to the Department of Environmental Conservation, Water Supply Division, 103 South Main Street, The Old Pantry, Waterbury, VT 05671-0403 no later than 90 days after completion of the well.

State of Vermont
Dept. of Environmental Conservation
103 S. Main St., The Old Pantry
Waterbury, VT 05671-0403

WELL COMPLETION REPORT

NOV 27 1996

Location map attached to WCR ____

DEPARTMENT USE ONLY
E.C. 2861 U.S.G.S. ____
Field Location ☐ Map area 27A1
Latitude ____ ° ' " Elev. ____
Longitude ____ ° ' " Topo. ____
Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐
Data in Town Files ☐ ____

1 WELL OWNER ____ (Name) ____ (Permanent Mailing Address)
OR
WELL PURCHASER A.T. Campney, 155 Dore Drive, Rutland, VT 05701 (Name) (Permanent Mailing Address)

2 LOCATION OF WELL: TOWN Wallingford SUBDIVISION ____ LOT NO. ____

3 DATE WELL WAS COMPLETED 10-18-96

4 PROPOSED USE OF WELL: ☑ Domestic, ☐ Other ____

5 REASON FOR DRILLING WELL: ☑ New Supply, ☐ Replace Existing Supply, ☐ Deepen Existing Well, ☐ Test or Exploration, ☐ Provide Additional Supply, ☐ Other ____

6 DRILLING EQUIPMENT: ☐ Cable Tool, ☑ Rotary with A-P, ☐ Other ____

7 TYPE OF WELL: ☑ Open Hole in Bedrock, ☐ Open End Casing, ☐ Screened or Slotted, ☐ Other ____

8 TOTAL DEPTH OF WELL: 140 feet below land surface

9 CASING FINISH: ☑ Above ground, Finished, ☐ Above ground, Unfinished, ☐ Buried, ☐ In Pit, ☐ Removed, ☐ None used, ☐ Other ____

10 CASING DETAILS: Total length 80 ft. Length below L.S. 78 ft. Dia. 6 in. Material Steel Wt. 17 lb./ft.

11 LINER OR INNER CASING DETAILS: Length used ____ ft. Diameter ____ in. Material ____ Weight ____ lb./ft.

12. METHOD OF SEALING CASING TO BEDROCK: ☑ Drive Shoe, ☐ Grout - type ____, Drilled 8 3/4 in. hole 5 ft. in Bedrock ☐ Other ____

13 SCREEN DETAILS: Make and Type ____, Material ____, Length ____ ft., Diameter ____ in., Slot Size ____, Depth to top of screen in feet below land surface ____ ft., Gravel pack if used, Gravel Size or Type ____

14 YIELD TEST: ☐ Bailed, ☐ Pumped, ☑ Compressed Air, for 1 Hours at 100 Gallons per minute
Measured by ☑ Bucket, ☐ Orifice pipe, ☐ Weir, ☐ Meter ☐ Permanent Airline installed

15 STATIC WATER LEVEL: 20 feet below land surface, Date or Time measured 10-18-96, Overflows at ____ G.P.M.

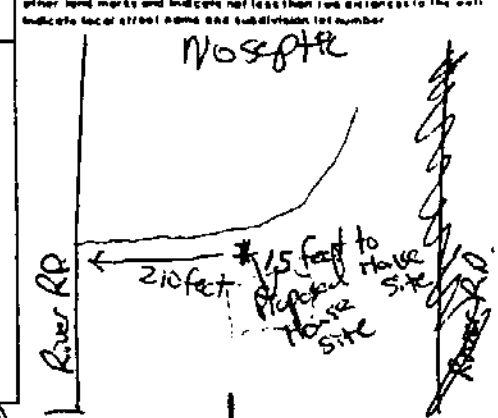
16 WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☑ No, If Yes, Where ____

17 SPECIAL NOTES: ____

18 WELL LOG

Depth from Land Surface Feet	Depth from Land Surface Feet	Water Bearing	Formation Description	Sketch
Ground Surface	75	N	Fine sand & Gravel	
75	80	N	White Limestone	
80	140	Y=	White & Black Limestone	

19. SITE MAP
Show permanent structure such as buildings, septic tanks, and/or other land marks and indicate not less than two distances to the well. Indicate local street name and subdivision lot number.



20 TESTED YIELD
If the yield was tested at different depths during drilling, list below.

Feet	Gallons Per Minute
85	100

WELL DRILLED BY: Jody Townsend

DOING BUSINESS AS: Frost Inc. (Company or Business Name)

REPORT FILED BY: [signature] (Authorized Signature)

DATE OF REPORT: 10-21-96 WELL DRILLERS LIC. NO. 23

WELL NO. / TAG NO
#12-1998
(For Driller's Use)

This report must be completed and submitted to the Department of Environmental Conservation, Water Supply Division, 103 South Main Street, The Old Pantry, Waterbury, VT 05671-0403 no later than 90 days after completion of the well.

State of Vermont
Dept. of Environmental Conservation
103 S. Main St., The Old Pantry
Waterbury, VT 05671-0403

WELL COMPLETION REPORT

OCT 5 1998

Location map attached to WCR ____

DEPARTMENT USE ONLY
E.C. 6992 U.S.G.S. ____
Field Location ☐ Map area 27A1
Latitude ____ ° ' " Elev. ____
Longitude ____ ° ' " Topo. ____
Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐
Data in Town Files ☐ ____

1 WELL OWNER BOB ROMUNTO - MAIN RD - WALLINGFORD, VT
Name — Permanent Mailing Address
OR
WELL PURCHASER SAME
Name — Permanent Mailing Address

2 LOCATION OF WELL: TOWN WALLINGFORD SUBDIVISION ____ LOT NO. ____

3 DATE WELL WAS COMPLETED 8/5/98

4 PROPOSED USE OF WELL ☑ Domestic, ☐ Other ____

5 REASON FOR DRILLING WELL ☑ New Supply, ☐ Replace Existing Supply, ☐ Deepen Existing Well, ☐ Test or Exploration, ☐ Provide Additional Supply, ☐ Other ____

6 DRILLING EQUIPMENT: ☐ Cable Tool ☑ Rotary with A-P, ☐ Other ____

7 TYPE OF WELL: ☑ Open Hole in Bedrock, ☐ Open End Casing, ☐ Screened or Slotted, ☐ Other ____

8 TOTAL DEPTH OF WELL 450 feet below land surface

9 CASING FINISH ☐ Above ground, Finished, ☑ Above ground, Unfinished, ☐ Buried, ☐ In Pit, ☐ Removed, ☐ None used, ☐ Other ____

10 CASING DETAILS: Total length 100 ft Length below LS 98½ ft Dia. 6 in. Material STEEL Wt. 17 lb./ft

11 LINER OR INNER CASING DETAILS: Length used ____ ft Diameter ____ in Material ____ Weight ____ lb./ft

12. METHOD OF SEALING CASING TO BEDROCK: ☑ Drive Shoe, ☐ Grout - type ____, Drilled ____ in hole ____ ft in Bedrock ☐ Other ____

13 SCREEN DETAILS Make and Type ____, Material ____, Length ____ ft, Diameter ____ in. Slot Size ____, Depth to top of screen in feet below land surface ____ ft, Gravel pack if used, Gravel Size or Type ____

14 YIELD TEST: ☐ Bailer, ☐ Pumped, ☑ Compressed Air, for 1 Hours at 5 Gallons per Minute
Measured by ☑ Bucket, ☐ Orifice pipe, ☐ Weir, ☐ Meter ☐ Permanent Airline installed

15 STATIC WATER LEVEL ____ feet below land surface, Date or Time measured ____, Overflows at ____ G.P.M.

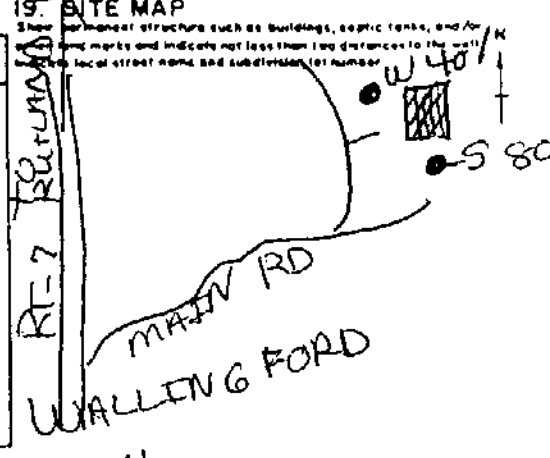
16 WATER ANALYSIS Has the water been analyzed? ☐ Yes ☑ No. If Yes, Where ____

17 SPECIAL NOTES ____

18 WELL LOG

Depth from Land Surface Feet	Feet	Water Bearing	Formation Description	Sketch
Ground Surface	20		BR. GRAVEL + STONES	
20	65		BR. CLAY	
65	450	✓	WHITE LIMESTONE	

19. SITE MAP
Show permanent structure such as buildings, septic tanks, and/or other permanent marks and indicate not less than two distances to the well. Also show local street name and subdivision lot number.



20 TESTED YIELD
If the yield was lowered at different depths during drilling, list below.

Feet	Gallons Per Minute

WELL DRILLED BY: CHARLES HIGGINS

DOING BUSINESS AS: HIGGINS WATER WELLS
Company or Business Name

REPORT FILED BY: [signature]
Authorized Signature

DATE OF REPORT: 9/25/98 WELL DRILLERS LIC. NO 227

152
(For Driller's Use)

This report must be completed and submitted to the Department of Water Resources and Environmental Engineering, no later than 60 days after completion of the well

DEPARTMENT OF WATER RESOURCES AND ENVIRONMENTAL ENGINEERING
WELL COMPLETION REPORT

FEB 10 1999

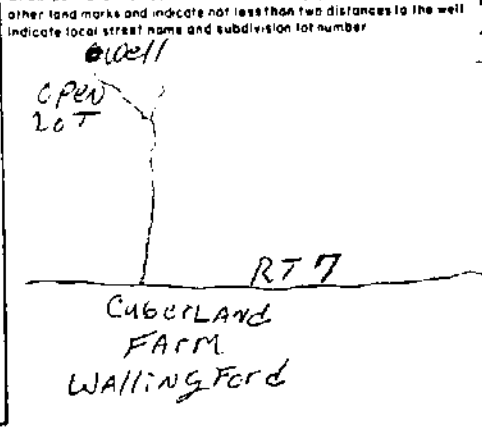
W.R. 8038 U.S.G.S. ____
Field Location ☐ Map area 27 A1
Latitude ____ ° ' " Elev. ____
Longitude ____ ° ' " Topo. ____
Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐
Location map attached to WCR ____ Data in Town Files ☐ ____

1. WELL OWNER Ruth Lafferty PO Box 164 Wallingford VT 05773
Name — Permanent Mailing Address
OR
WELL PURCHASER ____
Name — Permanent Mailing Address
2. LOCATION OF WELL: TOWN Wallingford SUBDIVISION ____ LOT NO. ____
3. DATE WELL WAS COMPLETED 11-5-98
4. PROPOSED USE OF WELL: ☒ Domestic, ☐ Other ____
5. REASON FOR DRILLING WELL: ☒ New Supply, ☐ Replace Existing Supply, ☐ Deepen Existing Well, ☐ Test or Exploration, ☐ Provide Additional Supply, ☐ Other ____
6. DRILLING EQUIPMENT: ☐ Cable Tool, ☒ Rotary with A-P, ☐ Other ____
7. TYPE OF WELL: ☒ Open Hole in Bedrock, ☐ Open End Casing, ☐ Screened or Slotted, ☐ Other ____
8. TOTAL DEPTH OF WELL: 345 feet below land surface.
9. CASING FINISH: ☒ Above ground, Finished, ☐ Above ground, Unfinished, ☐ Buried, ☐ In Pit, ☐ Removed, ☐ None used, ☐ Other ____
10. CASING DETAILS: Total length 76 ft. Length below L.S. 74 ft Dia. 6 in. Material Steel wt 17 lb./ft.
NA LINER OR INNER CASING DETAILS: Length used ____ ft Diameter ____ in. Material ____ Weight ____ lb./ft.
12. METHOD OF SEALING CASING TO BEDROCK: ☒ Drive Shoe, ☐ Grout - type ____, Drilled ____ in. hole ____ ft in Bedrock ☐ Other ____
NA SCREEN DETAILS: Make and Type ____, Material ____, Length ____ ft, Diameter ____ in., Slot Size ____, Depth to top of screen in feet below land surface ____ ft, Gravel pack if used Gravel Size or Type ____
14. YIELD TEST: ☐ Bailed, ☐ Pumped, ☒ Compressed Air, for 4 Hours at 5 Gallons per minute
Measured by ☒ Bucket, ☐ Orifice pipe, ☐ Weir, ☐ Meter ☐ Permanent Airline Installed
15. STATIC WATER LEVEL: 80 feet below land surface, Date or Time measured ____, Overflows at ____ G.P.M.
16. WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☒ No, If Yes, Where ____
17. SPECIAL NOTES: ____

18. WELL LOG

Depth from Land Surface Feet	Feet	Water Bearing	Formation Description	Sketch
Ground Surface	60		Hard Pan + Boulders	
60	345		Lime Stone	

19. SITE MAP
Show permanent structure such as buildings, septic tanks, and/or other land marks and indicate not less than two distances to the well. Indicate local street name and subdivision lot number.



20. TESTED YIELD
If the yield was tested at different depths during drilling, list below.

Feet	Gallons Per Minute
200	2
330	3

WELL DRILLED BY: JERRY PARKER JR.
DOING BUSINESS AS: PARKER WATER WELLS
Company or Business Name
REPORT FILED BY: Jerry Parker Jr
Authorized Signature
DATE OF REPORT: 12-2-98 WELL DRILLERS LIC. NO. 176

consulting
scientists and
engineers

1090 King Georges Post Road
Suite 703
Edison, NJ 08837-3722
732/738-5707
Fax: 732/738-5711

Privileged & Confidential
Prepared at the Request of Counsel

May 24, 2000

Noreen Fierro, Esquire
Edwards & Angell, LLP
51 John F. Kennedy Parkway
Short Hills, New Jersey 07078

Re: Depth to Groundwater Measurements
True Temper Hardware Saw Mill Facility
Wallingford, Vermont
MFG Job No. 10-0063

Dear Ms. Fierro,

MFG, Inc. ("MFG") is pleased to present this letter and attachments, which presents the findings of groundwater measurement activities conducted by MFG on behalf of True Temper Hardware Corporation ("TTHC") at the TTHC saw mill facility located at 2 Maple Street, Wallingford, Vermont (herein referred to as "Site" or "subject property").

MFG collected groundwater elevation measurements from the on-Site monitoring wells on February 11, 2000. Groundwater elevation measurements were not collected from MW-8, as it was not accessible. MFG employed a Solinst Electronic Tape Interface Probe to record the depths to water and, if present, free product. Depths to groundwater or free product were measured from the top of the casing in each monitoring well. The interface probe was thoroughly decontaminated using deionized water and Alconox prior insertion into the next well. The attached Table 1 presents the findings of the measurement activities. Also provided are groundwater sampling forms on which the data was recorded.

Please feel free to contact me if you require further assistance regarding this matter.

Very Truly yours

MFG, Inc

Phillip J. Martell

Phillip J. Martell
Staff Geologist

PJM/pm

Attachments

TABLE 1

DEPTH TO GROUNDWATER MEASUREMENTS
FEBRUARY 11, 2000[1]
TRUE TEMPER HARDWARE CORPORATION
WALLINGFORD SAW MILL FACILITY
WALLINGFORD, VERMONT
10-0063

MONITORING WELL	DEPTH TO PRODUCT (feet below T.O.C)	DEPTH TO WATER (feet below T.O.C)	TOTAL DEPTH (feet below T.O.C)
MW-1	N/A	10.32	17.21
MW-2	10.06	10.14	17.02
MW-3	N/A	9.74	15.37
MW-4	N/A	10.25	15.9
MW-6	N/A	9.56	16.92
MW-7	N/A	9.96	16.76
MW-9	N/A	7.24	14.2

Notes:

(1) - An additional depth to groundwater measurement was collected in MW-2 on March 31, 2000. Depth to groundwater was measured at 7.43 feet below top of casing. Free product was not encountered.

T.O.C. - Top of PVC riser casing.

Well Permit #: _____

Groundwater Sampling Log

Well ID #: MW-1

Project Name: TRUE TEMPER HARDWARE CORP
Project Location: WALLINGFORD, VT

Project #: 10-0063
Sampling Date: _____
Weather: OVERCAST MODERATE SNOW, ≈25°F

Well Specs. (as installed)

Inner Diam. (inches): 2
Ref. Point Elv. (ft. MSL): _____
Depth to Bottom (ft.): 17.61
Depth to the Top of Screen (ft.): 7.6
Dist. from Grnd to Ref. Pt (ft.): 0.3
Screen Length (ft.)/Slot Size (in.): 10 / 0.010
Well Material (PVC or Steel): PVC
Well Type ([S]tickup or [F]lushmount): F
Well Use ([M]on.,[I]ndust.,[D]om.,[Mu]nci.): M

Initial Measurements/Calculations

PID/FID Reading (ppm): N/A
Depth to Prod. (ft.): N/A
Depth to Water (ft.): 10.32
Depth to Bottom (ft.): 17.21
Prod. Thickness (ft.): N/A
Prod. Vol. (ft.): N/A
Static Water Col. Ht. (ft.): 6.89
Static Water Vol. (SWV) (gal)[1]: 1.10
Min. Purge Vol. (SWV*3) (gal): 3.31

Times/Volume/Purge Rate

Purging Start Time: N/A
Purging End Time: N/A

Volume Purged (gal): N/A
Purge Rate (gpm): N/A
Purged Dry: ___ Yes ___ No
Sampling Start Time: N/A
Sampling End Time: N/A

Sample Depth (feet): N/A

Water Quality Data	Prior to Purging	After Purging[2]	After Sampling
Depth to Water (feet)	N/A	N/A	N/A
pH (standard units)			
Temp. (°C)			
Spec. Cond. (mS/cm)			
D.O. (mg/L)			
Turbidity (NTU)			
Salinity (%)			

Purge Method (check one):
___ Submersible Pump ___ Centrifugal Pump ___ Bailer ___ Other (explain): N/A

Sampling Method (check one):
___ Stainless Steel Bailer ___ Poly. Bailer ___ Teflon Bailer ___ Other (explain): N/A

Sample Appearance (color, odor, sheen, etc.): _____

Scheduled Analytical Parameters (check those that apply):

Organics: ___ PP List ___ TCL List ___ Other (explain): N/A
___ VOCs ___ BNs ___ BNAs ___ Pest. ___ Herb. ___ PCBs

Inorganics: ___ PP List ___ TCL List ___ Other (explain): N/A
___ Unfiltered Metals ___ Filtered Metals ___ CN

Conventional: ___ TPHC ___ TDS ___ TSS ___ TOC N/A ___ COD ___ BOD
___ Other (explain): _____

Preservatives added to samples (check those that apply):
___ HCl added to VOCs ___ H_2O_2 added to TPHC ___ HNO_3 added to Metals ___ NaOH added to CN
___ Others (list): N/A

Corresponding field blank: N/A Corresponding trip blank: N/A

Additional Comments: DEPTH TO GROUNDWATER MEASUREMENTS VIA SOLINST ELECTRIC TAPE

Sampling Personnel: PHILLIP MARTELL

Well Permit #.: _____

Groundwater Sampling Log

Well ID #: MW-2

Project Name: True Temper Hardware Corp.
Project Location: Wallingford, VT

Project #: 10-0063
Sampling Date: _____
Weather: Overcast, Moderate Snow, ~25°F

Well Specs. (as installed)

Inner Diam. (inches): 2
Ref. Point Elv. (ft. MSL): _____
Depth to Bottom (ft.): 17.64
Depth to the Top of Screen (ft.): 9.10
Dist. from Grnd to Ref. Pt (ft.): 0.45
Screen Length (ft.)/Slot Size (in.): 10 / 0.010
Well Material (PVC or Steel): PVC
Well Type ([S]tickup or [F]lushmount): F
Well Use ([M]on.,[I]ndust.,[D]om.,[Mu]nci.): M

Initial Measurements/Calculations

PID/FID Reading (ppm): N/A
Depth to Prod. (ft.): 10.06
Depth to Water (ft.): 10.14
Depth to Bottom (ft.): 17.21
Prod. Thickness (ft.): 0.08
Prod. Vol. (ft.): _____
Static Water Col. Ht. (ft.): 7.07
Static Water Vol. (SWV) (gal)[1]: 1.13
Min. Purge Vol. (SWV*3) (gal): 3.39

Times/Volume/Purge Rate

Purging Start Time: N/A
Purging End Time: N/A

Volume Purged (gal): N/A
Purge Rate (gpm): N/A
Purged Dry: ___ Yes ___ No
Sampling Start Time: N/A
Sampling End Time: N/A

Sample Depth (feet): N/A

Water Quality Data	Prior to Purging	After Purging[2]	After Sampling
Depth to Water (feet)	N/A	N/A	N/A
pH (standard units)			
Temp. (°C)			
Spec. Cond. (mS/cm)			
D.O. (mg/L)			
Turbidity (NTU)			
Salinity (%)			

Purge Method (check one): ___ Submersible Pump ___ Centrifugal Pump ___ Bailer ___ Other (explain): N/A

Sampling Method (check one): ___ Stainless Steel Bailer ___ Poly. Bailer ___ Teflon Bailer ___ Other (explain): N/A

Sample Appearance (color, odor, sheen, etc.): _____

Scheduled Analytical Parameters (check those that apply):

Organics: ___ PP List ___ TCL List ___ Other (explain): N/A
___ VOC+ ___ BN+ ___ HNA+ ___ Pest. ___ Herb. ___ PCBs

Inorganics: ___ PP List ___ TCL List ___ Other (explain): _____
___ Unfiltered Metals ___ Filtered Metals ___ CN⁻

Conventional: ___ TPHC ___ TDS ___ TSS ___ TOC N/A ___ COD ___ BOD
___ Other (explain): _____

Preservatives added to samples (check those that apply):
___ HCl added to VOCs ___ H_2O_2 added to TPHC N/A ___ HNO_3 added to Metals ___ NaOH added to CN⁻
___ Others (list): _____

Corresponding field blank: N/A
Corresponding trip blank: N/A

Additional Comments: DEPTH TO GROUNDWATER MEASUREMENTS VIA SOLINST ELECTRIC TAPE

Sampling Personnel: PHILLIP MARTELL

Well Permit #.: _____

Groundwater Sampling Log

Well ID #: MW-3

Project Name: TRUE TEMPER HARDWARE CORP.
Project Location: WALLINGFORD, VT

Project #: 10-0063
Sampling Date: _____
Weather: OVERCAST MODERATE SNOW ≈ 25°F

Well Specs. (as installed)

Inner Diam. (inches): 2
Ref. Point Elv. (ft. MSL): _____
Depth to Bottom (ft.): 15.56
Depth to the Top of Screen (ft.): 5.6
Dist. from Grnd to Ref. Pt (ft.): 0.2
Screen Length (ft.)/Slot Size (in.): 10 / 0.010
Well Material (PVC or Steel): PVC
Well Type ([S]tickup or [F]lushmount): F
Well Use ([M]on.,[I]ndust.,[D]om.,[Mu]nci.): M

Initial Measurements/Calculations

PID/FID Reading (ppm): N/A
Depth to Prod. (ft.): N/A
Depth to Water (ft.): 9.74
Depth to Bottom (ft.): 15.37
Prod. Thickness (ft.): N/A
Prod. Vol. (ft.): N/A
Static Water Col. Ht. (ft.): 5.63
Static Water Vol. (SWV) (gal)[1]: 0.90
Min. Purge Vol. (SWV*3) (gal): 2.70

Times/Volume/Purge Rate

Purging Start Time: N/A
Purging End Time: N/A

Volume Purged (gal): N/A
Purge Rate (gpm): N/A
Purged Dry: ___ Yes ___ No
Sampling Start Time: N/A
Sampling End Time: N/A

Sample Depth (feet): N/A

Water Quality Data	Prior to Purging	After Purging[2]	After Sampling
Depth to Water (feet)	N/A	N/A	N/A
pH (standard units)			
Temp. (°C)			
Spec. Cond. (mS/cm)			
D.O. (mg/L)			
Turbidity (NTU)			
Salinity (%)			

Purge Method (check one):
___ Submersible Pump ___ Centrifugal Pump ___ Bailer ___ Other (explain): N/A

Sampling Method (check one):
___ Stainless Steel Bailer ___ Poly. Bailer ___ Teflon Bailer ___ Other (explain): N/A

Sample Appearance (color, odor, sheen, etc.): N/A

Scheduled Analytical Parameters (check those that apply):

Organics: ___ PP List ___ TCL List ___ Other (explain) N/A
___ VOC+ ___ BN+ ___ BNA+ ___ Pest. ___ Herb. ___ PCBs

Inorganics: ___ PP List ___ TCL List ___ Other (explain): N/A
___ Unfiltered Metals ___ Filtered Metals ___ CN

Conventional: ___ TPHC ___ TDS ___ TSS ___ TOC ___ COD ___ BOD
___ Other (explain): N/A

Preservatives added to samples (check those that apply):
___ HCl added to VOCs ___ H_2O_2 added to TPHC ___ HNO_3 added to Metals ___ NaOH added to CN
___ Others (list): N/A

Corresponding field blank: N/A Corresponding trip blank: N/A

Additional Comments: DEPTH TO GROUNDWATER MEASUREMENTS VIA SOLINST ELECTRIC TAPE

Sampling Personnel: PHILLIP MARTELL

Well Permit #.: _____

Groundwater Sampling Log

Well ID #: MW-4

Project Name: TRUE TEMPER HARDWARE CORP.
Project Location: WALLINGFORD, VT

Project #: 10-0063
Sampling Date: _____
Weather: OVERCAST, MODERATE SNOW, ≈25°F

Well Specs. (as installed)

Inner Diam. (inches): 2
Ref. Point Elv. (ft. MSL): _____
Depth to Bottom (ft.): 17.0
Depth to the Top of Screen (ft.): 7.0
Dist. from Grnd to Ref. Pt (ft.): 0.2
Screen Length (ft.)/Slot Size (in.): 10 / 0.010
Well Material (PVC or Steel): PVC
Well Type ([S]tickup or [F]lushmount): F
Well Use ([M]on.,[I]ndust.,[D]om.,[Mu]nci.): M

Initial Measurements/Calculations

PID/FID Reading (ppm): N/A
Depth to Prod. (ft.): N/A
Depth to Water (ft.): 10.25
Depth to Bottom (ft.): 15.90
Prod. Thickness (ft.): N/A
Prod. Vol. (ft.): N/A
Static Water Col. Ht. (ft.): 5.65
Static Water Vol. (SWV) (gal)[1]: 0.90
Min. Purge Vol. (SWV*3) (gal): 2.71

Times/Volume/Purge Rate

Purging Start Time: N/A
Purging End Time: N/A

Volume Purged (gal): N/A
Purge Rate (gpm): N/A
Purged Dry: ___ Yes ___ No
Sampling Start Time: N/A
Sampling End Time: N/A

Sample Depth (feet): N/A

Water Quality Data	Prior to Purging	After Purging[2]	After Sampling
Depth to Water (feet)	N/A	N/A	N/A
pH (standard units)			
Temp. (°C)			
Spec. Cond. (mS/cm)			
D.O. (mg/L)			
Turbidity (NTU)			
Salinity (%)			

Purge Method (check one):
___ Submersible Pump ___ Centrifugal Pump ___ Bailer ___ Other (explain): N/A

Sampling Method (check one):
___ Stainless Steel Bailer ___ Poly. Bailer ___ Teflon Bailer ___ Other (explain): N/A

Sample Appearance (color, odor, sheen, etc.): N/A

Scheduled Analytical Parameters (check those that apply):

Organics: ___ PP List ___ TCL List ___ Other (explain) N/A
___ VOC+ ___ BN+ ___ BNA+ ___ Pest. ___ Herb. ___ PCBs

Inorganics: ___ PP List ___ TCL List ___ Other (explain): N/A
___ Unfiltered Metals ___ Filtered Metals ___ CN

Conventional: ___ TPHC ___ TDS ___ TSS ___ TOC N/A ___ COD ___ BOD
___ Other (explain):

Perservatives added to samples (check those that apply):
___ HCl added to VOCs ___ H_2O_2 added to TPHC N/A ___ HNO_3 added to Metals ___ NaOH added to CN
___ Others (list):

Corresponding field blank: N/A Corresponding trip blank: N/A

Additional Comments: DEPTH TO GROUNDWATER MEASUREMENTS VIA SOLINST ELECTRIC TAPE

Sampling Personnel: PHILLIP MARTELL

Well Permit #.: _____

Groundwater Sampling Log

Well ID #: MW-6

Project Name: TRUE TEMPER HARDWARE CORP.
Project Location: WALLINGFORD, VT

Project #: 10-0063
Sampling Date: _____
Weather: OVERCAST, MODERATE SNOW, ≈25°F

Well Specs. (as installed)

Inner Diam. (inches): 2
Ref. Point Elv. (ft. MSL): _____
Depth to Bottom (ft.): 17.21
Depth to the Top of Screen (ft.): 7.2
Dist. from Grnd to Ref. Pt (ft.): 0.31
Screen Length (ft.)/Slot Size (in.): 10 / 0.010
Well Material (PVC or Steel): PVC
Well Type ([S]tickup or [F]lushmount): F
Well Use ([M]on., [I]ndust., [D]om., [Mu]nci.): M

Initial Measurements/Calculations

PID/FID Reading (ppm): N/A
Depth to Prod. (ft.): N/A
Depth to Water (ft.): 9.56
Depth to Bottom (ft.): 16.92
Prod. Thickness (ft.): N/A
Prod. Vol. (ft.): N/A
Static Water Col. Ht. (ft.): 7.36
Static Water Vol. (SWV) (gal)[1]: 1.18
Min. Purge Vol. (SWV*3) (gal): 3.53

Times/Volume/Purge Rate

Purging Start Time: N/A
Purging End Time: N/A

Volume Purged (gal): N/A
Purge Rate (gpm): N/A
Purged Dry: ___ Yes ___ No
Sampling Start Time: N/A
Sampling End Time: N/A

Sample Depth (feet): _____

Water Quality Data	Prior to Purging	After Purging[2]	After Sampling
Depth to Water (feet)	N/A	N/A	N/A
pH (standard units)			
Temp. (°C)			
Spec. Cond. (mS/cm)			
D.O. (mg/L)			
Turbidity (NTU)			
Salinity (%)			

Purge Method (check one): ___ Submersible Pump ___ Centrifugal Pump ___ Bailer ___ Other (explain): N/A

Sampling Method (check one): ___ Stainless Steel Bailer ___ Poly. Bailer ___ Teflon Bailer ___ Other (explain): N/A

Sample Appearance (color, odor, sheen, etc.): N/A

Scheduled Analytical Parameters (check those that apply):

Organics: ___ PP List ___ TCL List ___ (Other (explain)) N/A
___ VOC+ ___ BN+ ___ BHA+ ___ Pest. ___ Herb. ___ PCBs

Inorganics: ___ PP List ___ TCL List ___ (Other (explain)): N/A
___ Unfiltered Metals ___ Filtered Metals ___ CN

Conventional: ___ TPHC ___ TDS ___ TSS ___ TOC ___ COD ___ BOD
___ Other (explain): N/A

Preservatives added to samples (check those that apply):
___ HCl added to VOCs ___ H_2O_2 added to TPHC ___ HNO_3 added to Metals ___ NaOH added to CN
___ Others (list): N/A

Corresponding field blank: N/A
Corresponding trip blank: N/A

Additional Comments: DEPTH TO GROUNDWATER MEASUREMENTS VIA SOLINST ELECTRIC TAPE

Sampling Personnel: PHILLIP MARTELL

Well Permit #.: _____

Groundwater Sampling Log

Well ID #: MW-7

Project Name: TRUE TEMPER HARDWARE CORP.
Project Location: WALLINGFORD

Project #: 10-0063
Sampling Date: _____
Weather: OVERCAST, MODERATE SNOW, ≈25°F

Well Specs. (as installed)

Inner Diam. (inches): 2
Ref. Point Elv. (ft. MSL): _____
Depth to Bottom (ft.): 16.9
Depth to the Top of Screen (ft.): 7.2
Dist. from Grnd to Ref. Pt (ft.): .16
Screen Length (ft.)/Slot Size (in.): 10 / 0.010
Well Material (PVC or Steel): PVC
Well Type ([S]tickup or [F]lushmount): F
Well Use ([M]on., [I]ndust., [D]om., [Mu]nci.): M

Initial Measurements/Calculations

PID/FID Reading (ppm): N/A
Depth to Prod. (ft.): N/A
Depth to Water (ft.): 9.96
Depth to Bottom (ft.): 16.92
Prod. Thickness (ft.): N/A
Prod. Vol. (ft.): N/A
Static Water Col. Ht. (ft.): 6.96
Static Water Vol. (SWV) (gal)[1]: 1.11
Min. Purge Vol. (SWV*3) (gal): 3.34

Times/Volume/Purge Rate

Purging Start Time: N/A
Purging End Time: N/A

Volume Purged (gal): N/A
Purge Rate (gpm): N/A
Purged Dry: ___ Yes ___ No
Sampling Start Time: N/A
Sampling End Time: N/A

Sample Depth (feet): N/A

Water Quality Data	Prior to Purging	After Purging[2]	After Sampling
Depth to Water (feet)	N/A	N/A	N/A
pH (standard units)			
Temp. (°C)			
Spec. Cond. (mS/cm)			
D.O. (mg/L)			
Turbidity (NTU)			
Salinity (%)			

Purge Method (check one):
___ Submersible Pump ___ Centrifugal Pump ___ Bailer ___ Other (explain): N/A

Sampling Method (check one):
___ Stainless Steel Bailer ___ Poly. Bailer ___ Teflon Bailer ___ Other (explain): N/A

Sample Appearance (color, odor, sheen, etc.): N/A

Scheduled Analytical Parameters (check those that apply):

Organics: ___ PP List ___ TCL List ___ Other (explain): N/A
___ VOC+ ___ BN+ ___ BNA+ ___ Pest. ___ Herb. ___ PCBs

Inorganics: ___ PP List ___ TCL List ___ Other (explain): N/A
___ Unfiltered Metals ___ Filtered Metals ___ CN

Conventional: ___ TPHC ___ TDS ___ TSS ___ TOC ___ COD ___ BOD
___ Other (explain): N/A

Preservatives added to samples (check those that apply):
___ HCl added to VOCs ___ H_2O_2 added to TPHC ___ HNO_3 added to Metals ___ NaOH added to CN
___ Others (list): N/A

Corresponding field blank: N/A Corresponding trip blank: N/A

Additional Comments: DEPTH TO GROUNDWATER MEASUREMENT VIA SOLINST ELECTRIC TAPE

Sampling Personnel: PHILLIP MARTELL

Well Permit #: _____

Groundwater Sampling Log

Well ID #: MW-9

Project Name: TRUE TEMPER HARDWARE CORP.
Project Location: WALLINGFORD, VT

Project #: 10-0063
Sampling Date: _____
Weather: OVERCAST MODERATE SNOW, ≈ 25°F

Well Specs. (as installed)

Inner Diam. (inches): 2
Ref. Point Elv. (ft. MSL): _____
Depth to Bottom (ft.): 15.1
Depth to the Top of Screen (ft.): 5.6
Dist. from Grnd to Ref. Pt (ft.): 0.25
Screen Length (ft.)/Slot Size (in.): 10 / 0.010
Well Material (PVC or Steel): PVC
Well Type ([S]tickup or [F]lushmount): F
Well Use ([M]on., [I]ndust., [D]om., [Mu]nci.): M

Initial Measurements/Calculations

PID/FID Reading (ppm): N/A
Depth to Prod. (ft.): N/A
Depth to Water (ft.): 7.24
Depth to Bottom (ft.): 14.20
Prod. Thickness (ft.): N/A
Prod. Vol. (ft.): N/A
Static Water Col. Ht. (ft.): 6.93
Static Water Vol. (SWV) (gal)[1]: 1.11
Min. Purge Vol. (SWV*3) (gal): 3.34

Times/Volume/Purge Rate

Purging Start Time: N/A
Purging End Time: N/A

Volume Purged (gal): N/A
Purge Rate (gpm): N/A
Purged Dry: ___ Yes ___ No
Sampling Start Time: N/A
Sampling End Time: N/A

Sample Depth (feet): N/A

Water Quality Data	Prior to Purging	After Purging[2]	After Sampling
Depth to Water (feet)	N/A	N/A	N/A
pH (standard units)			
Temp. (°C)			
Spec. Cond. (mS/cm)			
D.O. (mg/L)			
Turbidity (NTU)			
Salinity (%)			

Purge Method (check one): ___ Submersible Pump ___ Centrifugal Pump ___ Bailer ___ Other (explain): N/A

Sampling Method (check one): ___ Stainless Steel Bailer ___ Poly. Bailer ___ Teflon Bailer ___ Other (explain): N/A

Sample Appearance (color, odor, sheen, etc.): N/A

Scheduled Analytical Parameters (check those that apply):

Organics: ___ PP List ___ TCL List ___ (Other (explain): N/A
___ VOCs ___ BN ___ BNAs ___ Pest. ___ Herb. ___ PCBs

Inorganics: ___ PP List ___ TCL List ___ (Other (explain): N/A
___ Unfiltered Metals ___ Filtered Metals ___ CN

Conventional: ___ TPHC ___ TDS ___ TSS ___ TOC ___ COD ___ BOD
___ Other (explain): N/A

Preservatives added to samples (check those that apply):
___ HCl added to VOCs ___ H_2O_2 added to TPHC ___ HNO_3 added to Metals ___ NaOH added to CN
___ Others (list):

Corresponding field blank: N/A
Corresponding trip blank: N/A

Additional Comments: DEPTH TO GROUNDWATER MEASUREMENT VIA SOLINST ELECTRIC TAPE

Sampling Personnel: PHILLIP MARTELL

EHS TECHNOLOGY GROUP, INC

NON-LIQUID SAMPLING LOG

Project Huffy / True Temper / Ames Project # H99019 f
Project Location 2 Maple St., Wallingford, Vt
Sample Site Location just south of former oil pump house and RR
Sampling Conditions / Weather:
Current 25°F cloudy
Previous 20-33°F cloudy & snow

SAMPLE ID # OPH A5
DATE 2/27/ 99
TIME 9:25
SITE # OPH A
DEPTH 8'-10'

MATERIAL AND RATIONALE

Type of Material Soil Sample Represents soil next to former oil pump house
Sample collected from Boring Sample taken with split spoon sampler
Sample is X Discrete or _ a Composite of
Amount of liquid present wet Type of liquid present Water some oil

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FIELD MEASUREMENTS: **DETERMINED BY:**

Color Black — Eye
Total Volume / Weight 8 oz. — Jar size
Odors / Vapors 28 ppm fuel oil — PID nose
Other field measurements n/a

MATERIAL DESCRIPTION : Sand, coarse-medium, black , oily

SAMPLES COLLECTED IN:

Parameters	Volume of Sample Bottle	Quantity of Bottles	Type of Bottle	Type of Lid	Preservative	Cool to 4°
TPH BTEX PAH	4 oz	2	glass	teflon	none	yes

Where sample seals put on each container ? No Shipping Container Number None
Chain-of-Custody Form ID # 2034 Sample Distribution Test America
Sampled by / Witnessed by
Other observations:

P.O. Box 3040, Miamisburg, OH 45343-3040 Phone #: 937-865-3553 FAX # 937-865-3611

EHS TECHNOLOGY GROUP, INC.

NON-LIQUID SAMPLING LOG

Project Huffy / True Temper / Ames Project # H99019 f **SAMPLE ID #** OPH B5
Project Location 2 Maple St., Wallingford, Vt **DATE** 2/ 27 / 99
Sample Site Location NE corner of boiler house **TIME** 12:00
Sampling Conditions / Weather: **SITE #** OPH B
Current 25°F cloudy **DEPTH** 8'-10'
Previous 20-33 °F cloudy, snow

MATERIAL AND RATIONALE

Type of Material Soil Sample Represents soil south of the tank area
Sample collected from Boring Sample taken with split spoon sampler
Sample is X Discrete or _ a Composite of
Amount of liquid present Wet Type of liquid present water some oil

---

FIELD MEASUREMENTS: **DETERMINED BY:**

Color Black — Eye
Total Volume / Weight 8 oz. — Jar size
Odors / Vapors 17 ppm — PID nose
Other field measurements n/a

MATERIAL DESCRIPTION : Ash, coarse sand and some gravel

SAMPLES COLLECTED IN:

Parameters	Volume of Sample Bottle	Quantity of Bottles	Type of Bottle	Type of Lid	Preservative	Cool to 4°
TPH BTEX PAH	4 oz	2	glass	teflon	none	yes

Where sample seals put on each container ? No Shipping Container Number None
Chain-of-Custody Form ID # 2034 Sample Distribution Test America
Sampled by / Witnessed by
Other observations:

P.O. Box 3040, Miamisburg, OH 45343-3040 Phone #: 937-865-3553 FAX # 937-865-3611

EHS TECHNOLOGY GROUP, INC.

NON-LIQUID SAMPLING LOG

Project Huffy / True Temper / Ames Project # H99019 f
Project Location 2 Maple St., Wallingford, Vt
Sample Site Location
Sampling Conditions / Weather:
Current 25 °F cloudy
Previous 20-33 °F cloudy, snow

SAMPLE ID # OPH C5
DATE 2/27/99
TIME 13 :45
SITE # OPH C
DEPTH 8'-10'

MATERIAL AND RATIONALE

Type of Material Soil Sample Represents soil between fire water UST and sawdust-leveler shed
Sample collected from Boring Sample taken with split spoon sampler
Sample is X Discrete or a Composite of
Amount of liquid present wet Type of liquid present Water some oil

---

FIELD MEASUREMENTS: **DETERMINED BY:**

Color Blacl — Eye
Total Volume / Weight 4 oz. — Jar size
Odors / Vapors ppm — PID nose
Other field measurements n/a

MATERIAL DESCRIPTION : Sand, medium to fine, oily scheen

SAMPLES COLLECTED IN:

Parameters	Volume of Sample Bottle	Quantity of Bottles	Type of Bottle	Type of Lid	Preservative	Cool to 4°
TPH BTEX PAH	4 oz	2	glass	teflon	none	yes

Where sample seals put on each container ? No Shipping Container Number None
Chain-of-Custody Form ID # 2034 Sample Distribution Test America
Sampled by / Witnessed by
Other observations:

P.O. Box 3040, Miamisburg, OH 45343-3040 Phone #: 937-865-3553 FAX # 937-865-3611

EHS TECHNOLOGY GROUP, INC.

LIQUID SAMPLING LOG

Project Huffy / True Temper / Ames Project # H99019 f **SAMPLE ID #** OPH AW
Project Location 2 Maple St., Wallingford, Vt **DATE** 2 / 27 / 99
Sample Site Location driveway south of bldg 36 **TIME** 13:40
Sampling Conditions / Weather: **SITE #** OPH A
Current 25°F cloudy **DEPTH** 12'
Previous 20-33°F cloudy, snow

MATERIAL AND RATIONALE

Type of Material Water Sample Represents Groundwater near former oil pump house
Sample collected from Boring Sample taken with Disposable bailer
Sample is X Discrete or _ a Composite of _____

LIQUID LEVELS:

Depth of liquid 12' Estimated Volume n/a Determined by Electric tape

MULTIPLE LAYERS:

Floating layer oil film Sinker layer none Sludge layer yes Det. by eye

FIELD MEASUREMENTS:			**DETERMINED BY:**
Color	dark brown		eye
Turbidity	High		eye
Temperature	n/a	°	meter
pH	n/a	SU	meter
Spec. Cond.	n/a	μS/cm	meter
Other field measurements			

SAMPLES COLLECTED IN:

Parameter(s)	Volume of Sample Bottle	Quantity of Bottles	Type of Bottle	Type of Lid	Preservative	Cooled to 4°
TPH	1000 ml	1	glass	teflon	none	yes
BTEX	40 ml	2	glass	teflon	HCl	yes
PAH	1000 ml	1	glass	teflon	HCl	yes

Where sample seals put on each container ? No Shipping Container Number None
Chain-of-Custody Form ID # 2034 Sample Distribution Test America
Sampled by / Witnessed by _____
Other observations:

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EHS TECHNOLOGY GROUP, INC

WELL SAMPLING LOG

Project Huffy / True Temper / Ames Project # H99019 f
Project Location 2 Maple Street, Wallingford, VT
Sample Site Location Monitor Well
Sampling Conditions / Weather:
Current 30°F, cloudy, windy, snow squals
Previous 20-34°F Partly cloudy

SAMPLE ID # OPH-W1
DATE 3 / 15 / 99
TIME 9 :20
SITE # MW-1

Type of Material Water Sample Represents Ground water from upgradient of main tank area
Sample collected from monitor well Sample taken with bailer

Elevations:
Water Level 87.41' TOC 96.27' Top of Screen _____ Bottom of Screen _____

Liquid Levels:
Depth to Water 8.86' Depth to bottom 17.36 Datum TOC
Casing Diameter 2" Depths determined by electric tape
Estimated Volume 1.4 gal.
Purged by bailer Purged Volume 5 gal. Purge water put in drum

Other Layers:
Floating layer film Sinker layer none Sludge layer slight Det. by eye

---

FIELD MEASUREMENTS: **DETERMINED BY:**

Color Tan Turbidity Little		Eye
Temperature	47.9	Meter
pH	6.98	Meter
Spec. Cond.	1007	Meter
Other field measurements	N/A	

Samples collected in:

Parameters	Volume of Sample Bottle	Quantity of Bottles	Type of Bottle	Type of Lid	Preservative	Cool to 4°
TPH	1000 ml	1	glass	teflon	none	yes
BTEX	40 ml	2	glass	teflon	HCl	yes

Where sample seals put on each container ? No Shipping Container Number none
Chain-of-Custody Form ID # 2044 Sample Distribution Adirondack Envir. Service
Sampled by / Witnessed by _____
Other observations:

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EHS TECHNOLOGY GROUP, INC

WELL SAMPLING LOG

Project Huffy / True Temper / Ames Project # H99019 f

Project Location 2 Maple Street, Wallingford, VT

Sample Site Location Monitor Well

Sampling Conditions / Weather:

Current 30°F, cloudy, windy, snow squals

Previous 20-34°F Partly cloudy

SAMPLE ID # OPH-W2

DATE 3 / 15 / 99

TIME 10 : 30

SITE # MW-2

Type of Material Water Sample Represents Ground water from area at tunnel and fire water UST

Sample collected from monitor well Sample taken with bailer

Elevations:

Water Level 86.03 TOC 95.32 Top of Screen _____ Bottom of Screen _____

Liquid Levels:

Depth to Water 9.29 Depth to bottom 17.0' Datum TOC

Casing Diameter 2" Depths determined by electric tape

Estimated Volume 1.3 gal.

Purged by bailer Purged Volume 6 gal. Purge water put in drum

Other Layers:

Floating layer film Sinker layer none Sludge layer slight Det. by eye

---

FIELD MEASUREMENTS: **DETERMINED BY:**

Color Tan Turbidity Moderate Eye

Temperature ____ ____ ____ ____ Meter

pH ____ ____ ____ ____ Meter

Spec. Cond. ____ ____ ____ ____ Meter

Other field measurements

_____ _____ _____

Samples collected in:

Parameters	Volume of Sample Bottle	Quantity of Bottles	Type of Bottle	Type of Lid	Preservative	Cool to 4°
TPH	1000 ml	1	glass	teflon	none	yes
BTEX	40 ml	2	glass	teflon	HCl	yes

Where sample seals put on each container ? No Shipping Container Number none

Chain-of-Custody Form ID # 2044 Sample Distribution Adirondack Envir. Service

Sampled by / Witnessed by _____

Other observations:

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EHS TECHNOLOGY GROUP, INC.

WELL SAMPLING LOG

OPH-W3

Project Huffy / True Temper / Ames Project # H99019 f
Project Location 2 Maple Street, Wallingford, VT
Sample Site Location Monitor Well
Sampling Conditions / Weather:
Current 28°F, cloudy, windy, snow squals
Previous 20-34°F Partly cloudy

SAMPLE ID # OPH-W3d
DATE 3 / 15 / 99
TIME 18:15
SITE # MW-3

Type of Material Water Sample Represents Ground water from between RR and Fire water UST
Sample collected from monitor well Sample taken with bailer

Elevations:
Water Level 86.29 TOC 95.15 Top of Screen _____ Bottom of Screen _____

Liquid Levels:
Depth to Water 8.86 Depth to bottom 15.34 Datum TOC
Casing Diameter 2" Depths determined by electric tape
Estimated Volume 1.2 gal.
Purged by bailer Purged Volume 6 gal. Purge water put in drum

Other Layers:
Floating layer film Sinker layer none Sludge layer slight Det. by eye

---

FIELD MEASUREMENTS: **DETERMINED BY:**

Color	Tan	Turbidity little	Eye
Temperature	49.8		Meter
pH	7.23		Meter
Spec. Cond.	844		Meter
Other field measurements	N/A		

SAMPLES COLLECTED IN:

Parameters	Volume of Sample Bottle	Quantity of Bottles	Type of Bottle	Type of Lid	Preservative	Cool to 4°
TPH	1000 ml	1	glass	teflon	none	yes
BTEX	40 ml	2	glass	teflon	HCl	yes

Where sample seals put on each container ? No Shipping Container Number none
Chain-of-Custody Form ID # 2044 Sample Distribution Adirondack Envir. Service
Sampled by / Witnessed by _____
Other observations:

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EHS TECHNOLOGY GROUP, INC.

WELL SAMPLING LOG

Project Huffy / True Temper / Ames Project # H99019 f **SAMPLE ID #** OPH-W4
Project Location 2 Maple Street, Wallingford, VT **DATE** 3 / 15 / 99
Sample Site Location Monitor Well **TIME** 8 : 40
Sampling Conditions / Weather: **SITE #** MW-4
Current 30°F, cloudy, windy, snow squals
Previous 20-34°F Partly cloudy

Type of Material Water Sample Represents Ground water from
Sample collected from monitor well Sample taken with bailer

Elevations:
Water Level 85.57 TOC 95.12 Top of Screen ____ Bottom of Screen __

Liquid Levels:
Depth to Water 9.55 Depth to bottom 16.84 Datum TOC
Casing Diameter 2" Depths determined by electric tape
Estimated Volume 1.2 gal.
Purged by bailer Purged Volume 5 gal. Purge water put in drum

Other Layers:
Floating layer film Sinker layer none Sludge layer slight Det. by eye

FIELD MEASUREMENTS: **DETERMINED BY:**

Color	Gray brown	Turbidity	Moderate		Eye
Temperature	47.8				Meter
pH	6.93				Meter
Spec. Cond.	1020				Meter
Other field measurements	n/a				

Samples collected in:

Parameters	Volume of Sample Bottle	Quantity of Bottles	Type of Bottle	Type of Lid	Preservative	Cool to 4°
TPH	1000 ml	1	glass	teflon	none	yes
BTEX	40 ml	2	glass	teflon	HCl	yes

Where sample seals put on each container ? No Shipping Container Number none
Chain-of-Custody Form ID # 2044 Sample Distribution Adirondack Envir. Service
Sampled by / Witnessed by _____
Other observations:

EHS TECHNOLOGY GROUP, INC.

NON-LIQUID SAMPLING LOG

Project Huffy / True Temper / Ames Project # H99019 f
Project Location 2 Maple St., Wallingford, Vt
Sample Site Location 6'NE of Fire water UST
Sampling Conditions / Weather:
Current 25° cloudy snow fluries
Previous 10-20° cloudy

SAMPLE ID # OPH D5
DATE 3/11/99
TIME 10:25
SITE # OPH D
DEPTH 8'-10'

MATERIAL AND RATIONALE

Type of Material Soil Sample Represents soil between RR and large UST
Sample collected from Boring Sample taken with split spoon sampler
Sample is X Discrete or a Composite of
Amount of liquid present wet Type of liquid present Water and fuel oil

---

FIELD MEASUREMENTS:

		DETERMINED BY:
Color	Black	Eye
Total Volume / Weight	4 oz	Jar size
Odors / Vapors	5 ppm fuel oil	PID nose
Other field measurements	n/a	

MATERIAL DESCRIPTION : Ash and sand

SAMPLES COLLECTED IN:

Parameters	Volume of Sample Bottle	Quantity of Bottles	Type of Bottle	Type of Lid	Preservative	Cool to 4°
TPH BTEX	4 oz	1	glass	teflon	none	yes

Where sample seals put on each container ? No Shipping Container Number none
Chain-of-Custody Form ID # 2044 Sample Distribution Adirondack Envir. Service
Sampled by / Witnessed by
Other observations:

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EHS TECHNOLOGY GROUP, INC.

NON-LIQUID SAMPLING LOG

Project Huffy / True Temper / Ames Project # H99019 f
Project Location 2 Maple St., Wallingford, Vt
Sample Site Location
Sampling Conditions / Weather:
Current 30°F cloudy, snow, windy
Previous 20-34°F Partly cloudy

SAMPLE ID # OPH G7
DATE 3/15 /99
TIME 14:45
SITE # OPH G
DEPTH 12'-14'

MATERIAL AND RATIONALE

Type of Material Soil Sample Represents soil 5' SW of fire water UST
Sample collected from Boring Sample taken with split spoon sampler
Sample is X Discrete or a Composite of
Amount of liquid present saturated Type of liquid present Water some oil

---

FIELD MEASUREMENTS: **DETERMINED BY:**

Color Black Eye
Total Volume / Weight 4 oz Jar size
Odors / Vapors Fuel oil 22 ppm PID nose
Other field measurements n/a

MATERIAL DESCRIPTION : Sand, medium, few gravel, oily

SAMPLES COLLECTED IN:

Parameters	Volume of Sample Bottle	Quantity of Bottles	Type of Bottle	Type of Lid	Preservative	Cool to 4°
TPH BTEX	4 oz	1	glass	teflon	none	yes

Where sample seals put on each container ? No Shipping Container Number none
Chain-of-Custody Form ID # 2044 Sample Distribution Adirondack Envir. Service
Sampled by / Witnessed by
Other observations:

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EHS TECHNOLOGY GROUP, INC.

NON-LIQUID SAMPLING LOG

Project Huffy / True Temper / Ames Project # H99019 f **SAMPLE ID #** OPH H7
Project Location 2 Maple St., Wallingford, Vt **DATE** 3/15 /99
Sample Site Location **TIME** 15:00
Sampling Conditions / Weather: **SITE #** OPH H
Current 29°F cloudy, snowing **DEPTH** 12-13'
Previous 20-33°F Partly cloudy

MATERIAL AND RATIONALE

Type of Material Soil Sample Represents soil SE of boiler house by RR
Sample collected from Boring Sample taken with split spoon sampler
Sample is X Discrete or _ a Composite of
Amount of liquid present saturated Type of liquid present Water and a little oil

---

FIELD MEASUREMENTS: **DETERMINED BY:**

Color Black Eye
Total Volume / Weight 4 oz Jar size
Odors / Vapors 18 ppm , fuel oil PID nose
Other field measurements n/a

MATERIAL DESCRIPTION : Gravel, some sand , oily scheen

SAMPLES COLLECTED IN:

Parameters	Volume of Sample Bottle	Quantity of Bottles	Type of Bottle	Type of Lid	Preservative	Cool to 4°
TPH BTEX	4 oz	1	glass	teflon	none	yes

Where sample seals put on each container ? No Shipping Container Number none
Chain-of-Custody Form ID # 2044 Sample Distribution Adirondack Envir. Service
Sampled by / Witnessed by
Other observations:

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EHS TECHNOLOGY GROUP, INC.

NON-LIQUID SAMPLING LOG

Project Huffy / True Temper / Ames Project # H99019 f **SAMPLE ID #**OPH 15
Project Location 2 Maple St., Wallingford, Vt **DATE** 3/15/99
Sample Site Location between sawdust shed, boiler house and tunnel **TIME** 15:20
Sampling Conditions / Weather: **SITE #** OPH I
Current 28 °F cloudy, snowing **DEPTH** 8-10'
Previous 20-33 °F partly cloudy

MATERIAL AND RATIONALE

Type of Material Soil Sample Represents soil at tunnel by boiler house
Sample collected from Boring Sample taken with split spoon sampler
Sample is X Discrete or _ a Composite of
Amount of liquid present saturated Type of liquid present water and some oil

---

FIELD MEASUREMENTS: **DETERMINED BY:**

Color Black Eye
Total Volume / Weight 4 oz Jar size
Odors / Vapors 27 ppm, fuel oil PID nose
Other field measurements

MATERIAL DESCRIPTION : Sand, medium to coarse, oily scheen

SAMPLES COLLECTED IN:

Parameters	Volume of Sample Bottle	Quantity of Bottles	Type of Bottle	Type of Lid	Preservative	Cool to 4°
TPH BTEX	4 oz	1	glass	teflon	none	yes

Where sample seals put on each container ? No Shipping Container Number none
Chain-of-Custody Form ID # 2044 Sample Distribution Adirondack Envir. Service
Sampled by / Witnessed by
Other observations:

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EHS TECHNOLOGY GROUP, INC.
NON-LIQUID SAMPLING LOG

Project: Huffy / True Temper / Project #: H98127F Sample ID#: OPH-R 8-10'
Project Location: 2 Maple Street, Wallingford VT Date: 5-20-99
Sample Site Location: inside building #3 rear outside door Time: 1315
Sampling Conditions / Weather: Site #: OPH-R
Current: inside 60° sunny outside Depth: 8'-10'
Previous: inside 70° sunny outside

MATERIAL AND RATIONALE:

Type of Material: soil / fill material Sample Represents: soil on east side of culvert
Sample collected from: test boring Sample taken with: geoprobe
Sample is: [X] Discrete [ ] a Composite of
Amount of liquid present: Saturated Type of liquid: water some oil

FIELD MEASUREMENTS:

		DETERMINED BY:
Color	brownish gray	Eye
Volume/Weight	4 oz	Jar Size
odors/vapors	24 ppm / Petro odor	PID/nose
other		

DESCRIPTION: SAND med to fine trace granules

SAMPLES COLLECTED IN:

Parameter(s)	Volume of Sample Bottle	Quantity of Bottles	Type of Bottle	Type of Lid	Preservative	Cool to 4°
TPH	4 oz.	1	glass	teflon	none	Yes

Where sample seals put on each container ? no Shipping Container Number
Chain-of-Custody Form ID Number 2082 Sample Distribution Test America
Sampled by / Witnessed by MD Morris

Other observations:

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EHS TECHNOLOGY GROUP, INC.
NON-LIQUID SAMPLING LOG

Project: Huffy / True Temper / | Project #: H981276 | Sample ID#: OPH J8-12
Project Location: 2 Maple Street, Wallingford VT | Date: 5-19-99
Sample Site Location: north of oil shed | Time: 1400
Sampling Conditions / Weather: | Site #: OPH J
Current: 70°F drizzle | Depth: 8-12
Previous: 70°F PC

MATERIAL AND RATIONALE:

Type of Material: soil / fill material | Sample Represents: soil of WT W of culvert
Sample collected from: test boring | Sample taken with: geoprobe
Sample is: [X] Discrete [ ] a Composite of
Amount of liquid present: saturated | Type of liquid: water (some oil?)

FIELD MEASUREMENTS:

		DETERMINED BY:
Color	dark brown	Eye
Volume/Weight	4 oz	Jar Size
odors/vapors	slight petro / 2.1 ppm	PID/nose
other		

DESCRIPTION: sand and gravel

SAMPLES COLLECTED IN:

Parameter(s)	Volume of Sample Bottle	Quantity of Bottles	Type of Bottle	Type of Lid	Preservative	Cool to 4°
	4 oz.	1	glass	teflon	none	Yes

Where sample seals put on each container ? no | Shipping Container Number
Chain-of-Custody Form ID Number: 2082 | Sample Distribution: Test America
Sampled by / Witnessed by: MD Morris

Other observations:

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EHS TECHNOLOGY GROUP, INC
NON-LIQUID SAMPLING LOG

Project: Huffy / True Temper / Project #: H981276 Sample ID#: OPH K12

Project Location: 2 Maple Street, Wallingford VT Date: 5-19-99

Sample Site Location: chip pile area Time: 11:00

Sampling Conditions / Weather: Site #: OPH K

Current: 70° Rain Depth: 12

Previous: 70 PC

MATERIAL AND RATIONALE:

Type of Material: soil / fill material Sample Represents: soil at water table W of culvert

Sample collected from: test boring Sample taken with: geoprobe

Sample is: [X] Discrete [ ] a Composite of

Amount of liquid present: saturated Type of liquid: ~~oil~~ water

FIELD MEASUREMENTS:

		DETERMINED BY:
Color	dark brown	Eye
Volume/Weight	4 oz	Jar Size
odors/vapors	~~[illegible]~~ none	PID/nose
other		

DESCRIPTION: sand + gravel

SAMPLES COLLECTED IN:

Parameter(s)	Volume of Sample Bottle	Quantity of Bottles	Type of Bottle	Type of Lid	Preservative	Cool to 4°
8020	4 oz.	1	glass	teflon	none	Yes

Where sample seals put on each container ? no Shipping Container Number

Chain-of-Custody Form ID Number 2082 Sample Distribution Test America

Sampled by / Witnessed by MD Morris

Other observations:

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EHS TECHNOLOGY GROUP, INC.
NON-LIQUID SAMPLING LOG

Project: Huffy / True Temper / | Project #: H98127~~6~~ | Sample ID#: OPH-P10-12

Project Location: 2 Maple Street, Wallingford VT | Date: 5-20-99

Sample Site Location: middle of east side of log storage area | Time: 11:00

Sampling Conditions / Weather: | Site #: OPH P

Current: 60° Sunny | Depth: 10'-12'

Previous: 50°-70° Rain

MATERIAL AND RATIONALE:

Type of Material: soil / fill material | Sample Represents: soil at Water Table & of culve

Sample collected from: test boring | Sample taken with: Geoprobe

Sample is: [X] Discrete [ ] a Composite of

Amount of liquid present: saturated | Type of liquid: oil + water

FIELD MEASUREMENTS:

		DETERMINED BY:
Color	dark brown	Eye
Volume/Weight	4 oz	Jar Size
odors/vapors	Petro / 33 ppm	PID/nose
other		

DESCRIPTION: Sand + gravel

SAMPLES COLLECTED IN:

Parameter(s)	Volume of Sample Bottle	Quantity of Bottles	Type of Bottle	Type of Lid	Preservative	Cool to 4°
~~SVOC~~						
B020	4 oz.	1	glass	teflon	none	Yes

Where sample seals put on each container ? no | Shipping Container Number:

Chain-of-Custody Form ID Number: 2082 | Sample Distribution: Test America

Sampled by / Witnessed by: [signature]

Other observations:

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EHS TECHNOLOGY GROUP, INC.
NON-LIQUID SAMPLING LOG

Project: Huffy / True Temper / | Project #: H981276 | Sample ID#: OPH-Q8-12

Project Location: 2 Maple Street, Wallingford VT | Date: 5-19-99

Sample Site Location: Just west of boiler house | Time: 1200

Sampling Conditions / Weather: | Site #: OPH Q

Current: 70° drizzle | Depth: 8-12

Previous: 70° PC

MATERIAL AND RATIONALE:

Type of Material: soil / fill material | Sample Represents: soil at WT E of culvert

Sample collected from: test boring | Sample taken with: geoprobe

Sample is: [X] Discrete [ ] a Composite of

Amount of liquid present: saturated | Type of liquid: oil + water

FIELD MEASUREMENTS:

		DETERMINED BY:
Color	dark brown	Eye
Volume/Weight	4 oz	Jar Size
odors/vapors		PID/nose
other		

DESCRIPTION:

SAMPLES COLLECTED IN:

Parameter(s)	Volume of Sample Bottle	Quantity of Bottles	Type of Bottle	Type of Lid	Preservative	Cool to 4°
TPH	4 oz.	1	glass	teflon	none	Yes

Where sample seals put on each container ? no | Shipping Container Number:

Chain-of-Custody Form ID Number: 2082 | Sample Distribution: Test America

Sampled by / Witnessed by: MDS Morris

Other observations:

P.O. Box 3040, Miamisburg, OH 45343-3040 Phone #: 937-865-3553 FAX # 937-865-3611

EHS TECHNOLOGY GROUP, INC.
WELL SAMPLING LOG

Project: Huffy / True Temper / Wallingford Oil Spill Project #: H99019f Sample ID#: MW1

Project Location: 2 Maple Street, Wallingford, VT Date: 5-20-99

Sample Site Location: NE corner of boiler house Time: 1700

Sampling Conditions / Weather: Site #: MW1

Current: 70° Sunny Depth: 9'

Previous: 50°-70° F Rain

MATERIAL AND RATIONALE:

Type of Material: ground water Sample Represents: east of mill race and plume area north of tank area

Sample collected from: Monitor Well Sample taken with: disposable bailer

ELEVATIONS:

Water Level: _____ TOC: _____ Top of Screen: _____ Bot. of Screen: _____

LIQUID LEVELS:

Depth to Water: 8.01 Depth to Bottom: 17.36 Datum: TOC

Casing Diameter: 2.0" Depth Measurements Determined by: Electric Tape

Estimated Volume: 1.55 gal

Purged by: bailer Purged Volume: 5 Gal Purge Water put: in drum

OTHER LAYERS:

Floating layer: film Sinking Layer: none Sludge layer: little Determined by: eye

FIELD MEASUREMENTS:

			DETERMINED BY:
Color	gray brown	Turbidity: Some	Eye
Temperature	55.2° F		meter
pH	6.67 su		meter
Spec. Cond.	622 µS		Meter

SAMPLES COLLECTED IN:

Parameter(s)	Volume of Sample Bottle	Quantity of Bottles	Type of Bottle	Type of Lid	Preservative	Cool to 4°
BTEX	40 ml	3	glass	teflon	HCl	yes
SVOC	1000 ml	1	glass	teflon	none	yes

Where sample seals put on each container ? No Shipping Container # 16

Chain-of-Custody Form ID Number: 2083 Sample Distribution: Test America

Sampled by / Witnessed by: [signature]

Other observations:

P.O. Box 3040, Miamisburg, OH 45343-3040 Phone #: 937-865-3553 FAX # 937-865-3611

EHS TECHNOLOGY GROUP, INC.
WELL SAMPLING LOG

Project: Huffy / True Temper / Wallingford Oil Spill Project #: H99019f Sample ID#: MW2

Project Location: 2 Maple Street, Wallingford, VT Date: 5-20-99

Sample Site Location: SW of fire pump house Time: 15:45

Sampling Conditions / Weather: Site #: MW2

Current: 70°F Sunny Depth: 10'

Previous: 50°-60° Rain

MATERIAL AND RATIONALE:

Type of Material: ground water Sample Represents: Plume area east of mill race

Sample collected from: Monitor Well Sample taken with: disposable bailer

ELEVATIONS:

Water Level: _____ TOC: _____ Top of Screen: _____ Bot. of Screen: _____

LIQUID LEVELS:

Depth to Water: 8.60' Depth to Bottom: 17.02 Datum: TOC

Casing Diameter: 2" Depth Measurements Determined by: Electric Tape

Estimated Volume: 1.56 gal

Purged by: bailer Purged Volume: 5.5 Gal Purge Water put: in drum

OTHER LAYERS:

Floating layer: film Sinking Layer: none Sludge layer: little Determined by: eye

FIELD MEASUREMENTS:

			DETERMINED BY:
Color	gray brown	Turbidity: some	Eye
Temperature	54.6° F		meter
pH	7.34 su		meter
Spec. Cond.	900 µS		Meter

SAMPLES COLLECTED IN:

Parameter(s)	Volume of Sample Bottle	Quantity of Bottles	Type of Bottle	Type of Lid	Preservative	Cool to 4°
BTEX	40 ml	3	glass	teflon	HCl	yes
SVOC	1000 ml	1	glass	teflon	none	yes

Where sample seals put on each container ? No Shipping Container # ~~208~~ 16

Chain-of-Custody Form ID Number: 2083 Sample Distribution: Test America

Sampled by / Witnessed by: [signature]

Other observations:

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EHS TECHNOLOGY GROUP, INC.
WELL SAMPLING LOG

Project: Huffy / True Temper / Wallingford Oil Spill Project #: H99019f Sample ID#: MW 3

Project Location: 2 Maple Street, Wallingford, VT Date: 5-20-99

Sample Site Location: NE side of large UST Time: 1750

Sampling Conditions / Weather: Site #: MW 3

Current: 67° F Sunny Depth: 9'

Previous: 50°-70° Rain

MATERIAL AND RATIONALE:

Type of Material: ground water Sample Represents: plume next to UST

Sample collected from: Monitor Well Sample taken with: disposable bailer

ELEVATIONS:

Water Level: _____ TOC: _____ Top of Screen: _____ Bot. of Screen: _____

LIQUID LEVELS:

Depth to Water: 7.68 Depth to Bottom: 15.37 Datum: TOC

Casing Diameter: 2" Depth Measurements Determined by: Electric Tape

Estimated Volume: 1.27 gal

Purged by: bailer Purged Volume: 5 Gal Purge Water put: in drum

OTHER LAYERS:

Floating layer: film Sinking Layer: none Sludge layer: little Determined by: eye

FIELD MEASUREMENTS: **DETERMINED BY:**

Color: gray brown Turbidity: some/lite Eye

Temperature: 53.6° F meter

pH: 6.79 su meter

Spec. Cond.: 487 µS Meter

SAMPLES COLLECTED IN:

Parameter(s)	Volume of Sample Bottle	Quantity of Bottles	Type of Bottle	Type of Lid	Preservative	Cool to 4°
BTEX	40 ml	3	glass	teflon	HCl	yes
SVOC	1000 ml	1	glass	teflon	none	yes

Where sample seals put on each container ? No Shipping Container # 16

Chain-of-Custody Form ID Number 2083 Sample Distribution Test America

Sampled by / Witnessed by [signature]

Other observations:

Fe flock in bottom

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EHS TECHNOLOGY GROUP, INC.
WELL SAMPLING LOG

Project: Huffy / True Temper / Wallingford Oil Spill Project #: H99019f Sample ID#: MW4

Project Location: 2 Maple Street, Wallingford, VT Date: 5-20-99

Sample Site Location: NE end of log storage Time: 18 40

Sampling Conditions / Weather: Site #: MW4

Current: 65° Sunny Depth: 9'

Previous: 50-70° Rain

MATERIAL AND RATIONALE:

Type of Material: ground water Sample Represents: plume on east side of culvert at north end of culvert

Sample collected from: Monitor Well Sample taken with: disposable bailer

ELEVATIONS:

Water Level: _____ TOC: _____ Top of Screen: _____ Bot. of Screen: _____

LIQUID LEVELS:

Depth to Water: 7.66' Depth to Bottom: 15.91' Datum: TOC

Casing Diameter: 2" Depth Measurements Determined by: Electric Tape

Estimated Volume: 1.4 gal

Purged by: bailer Purged Volume: 4.5 Gal Purge Water put: in drum

OTHER LAYERS:

Floating layer: film Sinking Layer: none Sludge layer: little Determined by: eye

FIELD MEASUREMENTS: **DETERMINED BY:**

Color: gray brown Turbidity: some Eye

Temperature: 56.1°F meter

pH: 7.03 su meter

Spec. Cond.: 668 Meter

SAMPLES COLLECTED IN:

Parameter(s)	Volume of Sample Bottle	Quantity of Bottles	Type of Bottle	Type of Lid	Preservative	Cool to 4°
BTEX	40 ml	3	glass	teflon	HCl	yes
SVOC	1000 ml	1	glass	teflon	none	yes

Where sample seals put on each container ? No Shipping Container # 16

Chain-of-Custody Form ID Number 2083 Sample Distribution Test America

Sampled by / Witnessed by [signature]

Other observations:

P.O. Box 3040, Miamisburg, OH 45343-3040 Phone #: 937-865-3553 FAX # 937-865-3611

EHS TECHNOLOGY GROUP

LIQUID SAMPLING LOG

Project: Huffy / true Temper / Wallingford Project #: H99019f Sample ID#: OPH - MR

Project Location: 2 Maple Street, Wallingford, VT Date: 5-21-99

Sample Site Location: At outfall of mill race from culvert Time: 700

Sampling Conditions / Weather: Site #: n/a

Current: 50°F sunny Depth: 6"

Previous: 50-70° sunny

MATERIAL AND RATIONALE:

Type of Material: surface water Sample Represents: Water from downstream of release

Sample collected from: Mill race Sample taken with: dipped sample bottles

LIQUID LEVELS & FLOW RATES: Determined by:

Depth of Liquid: 6 ~~inches~~ / feet est. / ~~measured~~ eye

Volume: n/a ~~gallons / ft³~~ ~~est. / measured~~

Flow rate: 100 ~~gpm~~ / cfs est. / ~~measured~~ eye

MULTIPLE LAYERS: Determined by:

Floating layer: none Sinking Layer: none Sludge layer: heavy gravel eye

FIELD MEASUREMENTS: Determined by:

Color: greenish brown Turbidity: little Eye

Temperature: n/a

pH: n/a

Spec. Cond.: n/a

SAMPLES COLLECTED IN:

Parameter(s)	Volume of Sample Bottle	Quantity of Bottles	Type of Bottle	Type of Lid	Preservative	Cool to 4°
8270	1000 ml	1	glass	teflon	none	yes
8020	40 ml	3	glass	teflon	HCl	yes

Where sample seals put on each container ? no Shipping Container Number

Chain-of-Custody Form ID Number: 2082 Sample Distribution: Test America

Sampled by / Witnessed by: [signature]

Other observations:

P.O. Box 3040, Miamisburg, OH 45343-3040 Phone #: 937-865-3553 FAX # 937-865-3611

EHS TECHNOLOGY GROUP, INC.

BORE HOLE WATER SAMPLING LOG

Project: Huffy / True Temper / Wallingford Oil Spill Project #: H99019f Sample ID#: OPH-J.W

Project Location: 2 Maple Street, Wallingford, VT Date: 5-19-99

Sample Site Location: Row 6 Log Storage area, west of culvert Time: 10:00

Sampling Conditions / Weather: Site #: OPH-J

Current: 70 drizzle cloudy Depth: 11

Previous: 60-70°F PC

MATERIAL AND RATIONALE:

Type of Material: ground water Sample Represents: GW west side of culvert

Sample collected from: Monitor Well Sample taken with: pump

LIQUID LEVELS:

Depth to Water: 10.14 Depth to Bottom: 16.0 Datum: TOC

Casing Diameter: 1" Depth Measurements Determined by:: Electric Tape

Estimated Volume: <1 gal.

Purged by: pump Purged Volume: 1 Gal Purge Water put: in drum

OTHER LAYERS:

Floating layer: film Sinking Layer: none Sludge layer: yes Determined by: eye

FIELD MEASUREMENTS: **DETERMINED BY:**

Color: gray brown Turbidity: some Eye

Other:

SAMPLES COLLECTED IN:

Parameter(s)	Volume of Sample Bottle	Quantity of Bottles	Type of Bottle	Type of Lid	Preservative	Cool to 4°
BTEX	40 ml	3	glass	teflon	HCl	yes
SVOC	1000 ml	1	glass	teflon	none	yes

Where sample seals put on each container ?: No Shipping Container Number:

Chain-of-Custody Form ID Number: 2083 Sample Distribution: Test America

Sampled by / Witnessed by: MD Morris

Other observations:

P.O. Box 3040, Miamisburg, OH 45343-3040 Phone #: 937-865-3553 FAX # 937-865-3611

EHS TECHNOLOGY GROUP, INC.
BORE HOLE WATER SAMPLING LOG

Project: Huffy / True Temper / Wallingford Oil Spill Project #: H99019f Sample ID#: OPH-K-W

Project Location: 2 Maple Street, Wallingford, VT Date: 5-19-99

Sample Site Location: chip pile Time: 11:20

Sampling Conditions / Weather: Site #: OPH-K

Current: 70° drizzle Depth: 13'-16'

Previous: 60-70° PC

MATERIAL AND RATIONALE:

Type of Material: ground water Sample Represents: GW on west side of culvert

Sample collected from: Monitor Well Sample taken with: pump

LIQUID LEVELS:

Depth to Water: 11.11 Depth to Bottom: 16' Datum: TOC

Casing Diameter: 1" Depth Measurements Determined by:: Electric Tape

Estimated Volume: 1/2 gal.

Purged by: pump Purged Volume: 1/2 Gal Purge Water put: in drum

OTHER LAYERS:

Floating layer: none Sinking Layer: none Sludge layer: yes Determined by: eye

FIELD MEASUREMENTS: **DETERMINED BY:**

Color: gray brown Turbidity: yes Eye

Other

SAMPLES COLLECTED IN:

Parameter(s)	Volume of Sample Bottle	Quantity of Bottles	Type of Bottle	Type of Lid	Preservative	Cool to 4°
BTEX	40 ml	3	glass	teflon	HCl	yes
SVOC	1000 ml	1	glass	teflon	none	yes

Where sample seals put on each container ? No Shipping Container Number

Chain-of-Custody Form ID Number: 2082 Sample Distribution: Test America

Sampled by / Witnessed by: MD Morris

Other observations:

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EHS TECHNOLOGY GROUP, INC.
BORE HOLE WATER SAMPLING LOG

Project: Huffy / True Temper / Wallingford Oil Spill Project #: H99019f Sample ID#: OPH-L-W

Project Location: 2 Maple Street, Wallingford, VT Date: 5-19-99

Sample Site Location: Row 6 of Log storage area by UST, E of culvert Time: 1420

Sampling Conditions / Weather: Site #: OPH-L

Current: 70° drizzle cloudy Depth: 11

Previous: 50-70 PC

MATERIAL AND RATIONALE:

Type of Material: ground water Sample Represents: plume east side of culvert

Sample collected from: Monitor Well Sample taken with: pump

LIQUID LEVELS:

Depth to Water: 9.57 Depth to Bottom: 12.5 Datum: TOC

Casing Diameter: 1" Depth Measurements Determined by:: Electric Tape

Estimated Volume: <1 gal.

Purged by: pump Purged Volume: 1 Gal Purge Water put: in drum

OTHER LAYERS:

Floating layer: yes Sinking Layer: none Sludge layer: yes Determined by: eye

FIELD MEASUREMENTS: **DETERMINED BY:**

Color: gray brown Turbidity: yes Eye

Other:

SAMPLES COLLECTED IN:

Parameter(s)	Volume of Sample Bottle	Quantity of Bottles	Type of Bottle	Type of Lid	Preservative	Cool to 4°
BTEX	40 ml	3	glass	teflon	HCl	yes
SVOC	1000 ml	1	glass	teflon	none	yes

Where sample seals put on each container ? No Shipping Container Number

Chain-of-Custody Form ID Number: 8020 Sample Distribution: Test America

Sampled by / Witnessed by: MD Morris

Other observations:

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EHS TECHNOLOGY GROUP, INC.

BORE HOLE WATER SAMPLING LOG

Project: Huffy / True Temper / Wallingford Oil Spill Project #: H99019f Sample ID#: OPH NW

Project Location: 2 Maple Street, Wallingford, VT Date: 5-19-99

Sample Site Location: inside building 3 ext. next to machine shop door Time: 1610

Sampling Conditions / Weather: Site #: OPH N

Current: inside - rain 70° outside Depth: 9'-10'

Previous: inside - 70° PC outside

MATERIAL AND RATIONALE:

Type of Material: ground water Sample Represents: gw south of release area + E of culvert

Sample collected from: Monitor Well Sample taken with: pump

LIQUID LEVELS:

Depth to Water: 8.9' Depth to Bottom: 12' Datum: TOC

Casing Diameter: 1" Depth Measurements Determined by:: Electric Tape

Estimated Volume: < 1 gal.

Purged by: pump Purged Volume: 1 Gal Purge Water put: In drum

OTHER LAYERS:

Floating layer: none Sinking Layer: none Sludge layer: yes Determined by: eye

FIELD MEASUREMENTS: **DETERMINED BY:**

Color: gray brown Turbidity: some Eye

Other:

SAMPLES COLLECTED IN:

Parameter(s)	Volume of Sample Bottle	Quantity of Bottles	Type of Bottle	Type of Lid	Preservative	Cool to 4°
BTEX	40 ml	3	glass	teflon	HCl	yes
SVOC	1000 ml	1	glass	teflon	none	yes

Where sample seals put on each container ? No Shipping Container Number:

Chain-of-Custody Form ID Number: 2082 Sample Distribution: Test America

Sampled by / Witnessed by: MD Morris

Other observations:

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EHS TECHNOLOGY GROUP, INC.

BORE HOLE WATER SAMPLING LOG

Project: Huffy / True Temper / Wallingford Oil Spill Project #: H99019f Sample ID#: OPH-O-W

Project Location: 2 Maple Street, Wallingford, VT Date: 5-20-99

Sample Site Location: log storage area Row 3 west of culvert Time: 10:00 - 10:30

Sampling Conditions / Weather: Site #: OPH-O

Current: 60° Sunny Depth: 12

Previous: 50-70° Rain

MATERIAL AND RATIONALE:

Type of Material: ground water Sample Represents: GW west of culvert

Sample collected from: Monitor Well Sample taken with: pump

LIQUID LEVELS:

Depth to Water: 9.09 Depth to Bottom: 12 Datum: TOC

Casing Diameter: 1" Depth Measurements Determined by:: Electric Tape

Estimated Volume: <1 gal.

Purged by: pump Purged Volume: 1 Gal Purge Water put: in drum

OTHER LAYERS:

Floating layer: none Sinking Layer: none Sludge layer: yes Determined by: eye

FIELD MEASUREMENTS: **DETERMINED BY:**

Color: light brown Turbidity: some Eye

Other:

SAMPLES COLLECTED IN:

Parameter(s)	Volume of Sample Bottle	Quantity of Bottles	Type of Bottle	Type of Lid	Preservative	Cool to 4°
BTEX	40 ml	3	glass	teflon	HCl	yes
SVOC	1000 ml	1	glass	teflon	none	yes

Where sample seals put on each container ? No Shipping Container Number

Chain-of-Custody Form ID Number: 2083 Sample Distribution: Test America

Sampled by / Witnessed by: [signature]

Other observations:

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EHS TECHNOLOGY GROUP, INC.

WASTE SAMPLING LOG

Project Huffy / True Temper / Wallingford Oil Spill Project # H99019f
Project Location 2 Maple Street, Wallingford, VT
Sample Site Location plume area OPHL
Sampling Conditions / Weather:
Current 70° Drizzle
Previous 70 PC

SAMPLE ID # OPH-oil
DATE 5 / 19 / 99
TIME 13 :00
CONTAINER # n/a
LAYER # 1

CONTAINER:
Waste is in soil + water samples
Estimated volume of waste n/a
Container Volume n/a
Percentage filled n/a %
Color of container n/a
Container has an n/a open __ closed top
Markings or labels on (outside / inside) container: _____

WASTE MATERIAL IS: __ Aqueous, X Oil / Organic Liquid, __ Sludge, __ Solid, __ Multiphased, __ Solid Particles,

SAMPLE:
Represents free product
Sample taken with Geoprobe
Sample is: __ Discrete or X a Composite of from soil + water samples

FIELD MEASUREMENTS: **DETERMINED BY:**

Total Sample Volume / Weight	2 oz	eye / container
Odors / Vapors	Petro odor	nose
Other field measurements		

DESCRIPTION OF MATERIAL(S): amber brown / black
low viscosity

SAMPLE PLACED IN:

Parameter(s)	Volume of Sample Bottle	Quantity of Bottles	Type of Bottle / Bag	Type of Lid	Preservative	Cool to 4°
fingerprint	4	1	glass	teflon	none	yes

Where sample seals put on each container ? NO
Shipping Container Number n/a
Chain-of-Custody Form ID # 2082
Sample Distribution Test America
Sampled by / Witnessed by [illegible]

Other observations or variations in protocol used:

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EHS TECHNOLOGY GROUP, INC.

WELL SAMPLING LOG

Project: True Temper, Wallingford, Sept. '99 | Project #: H990191 | Sample ID#: MW-1

Project Location: 2 Maple Street, Wallingford, Vermont | Date: 9-16-99

Sample Site Location: Outside of NE corner of boiler house | Time: 15:30

Sampling Conditions / Weather: | Site #: MW-1

Current: cloudy, rain, 65°F | Depth: 12'

Previous: partly cloudy 50°-75°F

MATERIAL AND RATIONALE:

Type of Material: water | Sample Represents: groundwater from near RR South of OPH

Sample collected from: monitor well | Sample taken with: disposable polypropolyene bailer

ELEVATIONS:

Water Level: 85.06 | TOC: 96.27 | Top of Screen: | Bot. of Screen:

LIQUID LEVELS:

Depth to Water: 11.21 | Depth to Bottom: 17.31 | Datum: TOC

Casing Diameter: 2" | Depth Measurements Determined by: Electric tape

Estimated Volume: 1 gal

Purged by: bailer | Purged Volume: 5 gal. | Purge Water put: in drum

OTHER LAYERS:

Floating layer: spotted film | Sinking Layer: no | Sludge layer: no | Determined by: eye

FIELD MEASUREMENTS:

		DETERMINED BY:
Color	brown	Eye
Turbidity	some	
Temperature	57.6°	meter
pH	6.94	meter
Spec. Cond.	807 µS	meter
Other		

SAMPLES COLLECTED IN:

Parameter(s)	Volume of Sample Bottle	Quantity of Bottles	Type of Bottle	Type of Lid	Preservative	Cool to 4°
VOC	40 ml	3	glass	teflon septum	HCl	yes

Where sample seals put on each container ? No | Shipping Container Number: n/a

Chain-of-Custody Form ID Number: 2110 | Sample Distribution: Test America Laboratories

Sampled by / Witnessed by [signature]

Other observations:

P.O. Box 3040, Miamisburg, OH 45343-3040 Phone #. 937-865-3553 FAX # 937-865-3611

EHS TECHNOLOGY GROUP, INC.

WELL SAMPLING LOG

Project: True Temper, Wallingford, Sept. '99 | Project #: H99019i | Sample ID#: MW-2 & MW-22

Project Location: 2 Maple Street, Wallingford, Vermont | Date: 9-16-99

Sample Site Location: just SW of fire water UST ,near SW corner of fire pump house | Time: 16:50

Sampling Conditions / Weather. | Site #: MW-2

Current: cloudy, rain, 65°F | Depth: 12'

Previous: partly cloudy 50°-75°F

MATERIAL AND RATIONALE:

Type of Material: water | Sample Represents: groundwater from just east of oil pump house

Sample collected from: monitor well | Sample taken with: disposable polypropolyene bailer

ELEVATIONS:

Water Level: 84.73 | TOC: 95.32 | Top of Screen: | Bot. of Screen:

LIQUID LEVELS:

Depth to Water: 10.59 | Depth to Bottom: 16.99 | Datum: TOC

Casing Diameter: 2" | Depth Measurements Determined by: Electric tape

Estimated Volume: 1 gal

Purged by: bailer | Purged Volume: 5 gal | Purge Water put: in drum

OTHER LAYERS:

Floating layer: slight film | Sinking Layer: no | Sludge layer: no | Determined by: eye

FIELD MEASUREMENTS:

			DETERMINED BY:
Color	bluish gray	Turbidity: some	Eye
Temperature	60.1°F		meter
pH	6.71		meter
Spec. Cond.	959 µS		meter
Other			

SAMPLES COLLECTED IN:

Parameter(s)	Volume of Sample Bottle	Quantity of Bottles	Type of Bottle	Type of Lid	Preservative	Cool to 4°
VOC	40 ml	3	glass	teflon septum	HCl	yes

Where sample seals put on each container ? No | Shipping Container Number: n/a

Chain-of-Custody Form ID Number: 2110 | Sample Distribution: Test America Laboratories

Sampled by / Witnessed by MD Morris

Other observations.

P.O. Box 3040, Miamisburg, OH 45343-3040 Phone #: 937-865-3553 FAX # 937-865-3611

EHS TECHNOLOGY GROUP, INC.
WELL SAMPLING LOG

Project: True Temper, Wallingford, Sept. '99 | Project #: H99019i | Sample ID#: MW-3

Project Location: 2 Maple Street, Wallingford, Vermont | Date: 9-16-99

Sample Site Location: just NE of fire water UST | Time: 16:10

Sampling Conditions / Weather: | Site #: MW-3

Current: cloudy, rain, 65°F | Depth: 12'

Previous: partly cloudy 50°-75°F

MATERIAL AND RATIONALE:

Type of Material: water | Sample Represents: groundwater from NE of fire water UST

Sample collected from: monitor well | Sample taken with: disposable polypropolyene bailer

ELEVATIONS:

Water Level: 85.18 | TOC: 95.15 | Top of Screen: | Bot. of Screen:

LIQUID LEVELS:

Depth to Water: 9.97 | Depth to Bottom: 15.36 | Datum: TOC

Casing Diameter: 2" | Depth Measurements Determined by: Electric tape

Estimated Volume: 0.9 gal

Purged by: bailer | Purged Volume: 5 gal. | Purge Water put: in drum

OTHER LAYERS:

Floating layer: spotted film | Sinking Layer: no | Sludge layer: no | Determined by: eye

FIELD MEASUREMENTS: | **DETERMINED BY:**

Color: slight brown | Turbidity: slight | Eye

Temperature: 62.3° | meter

pH: 6.96 su | meter

Spec. Cond.: 401µS | meter

Other:

SAMPLES COLLECTED IN:

Parameter(s)	Volume of Sample Bottle	Quantity of Bottles	Type of Bottle	Type of Lid	Preservative	Cool to 4°
VOC	40 ml	3	glass	teflon septum	HCl	yes

Where sample seals put on each container ? No | Shipping Container Number: n/a

Chain-of-Custody Form ID Number: 2110 | Sample Distribution: Test America Laboratories

Sampled by / Witnessed by MD Morris

Other observations:

P.O. Box 3040, Miamisburg, OH 45343-3040 Phone #: 937-865-3553 FAX # 937-865-3611

EHS TECHNOLOGY GROUP, INC.
WELL SAMPLING LOG

Project: True Temper, Wallingford, Sept. '99 | Project #: H99019i | Sample ID#: MW-4

Project Location: 2 Maple Street, Wallingford, Vermont | Date: 9-16-99

Sample Site Location: near outfall of mill race culvert | Time: 15:45

Sampling Conditions / Weather | Site #: MW-4

Current: cloudy, rain, 65°F | Depth: 12'

Previous: partly cloudy 50°-75°F

MATERIAL AND RATIONALE:

Type of Material: water | Sample Represents: groundwater from

Sample collected from: monitor well | Sample taken with: disposable polypropolyene bailer

ELEVATIONS:

Water Level: 84.77 | TOC: 95.12 | Top of Screen: | Bot. of Screen:

LIQUID LEVELS:

Depth to Water: 10.35 | Depth to Bottom: 15.91 | Datum: TOC

Casing Diameter: 2" | Depth Measurements Determined by: Electric tape

Estimated Volume: 0.9 gal

Purged by: bailer | Purged Volume: gal. | Purge Water put: in drum

OTHER LAYERS:

Floating layer: | Sinking Layer: no | Sludge layer: no | Determined by: eye

FIELD MEASUREMENTS: **DETERMINED BY:**

Color: orange brown | Turbidity: some | Eye

Temperature: 63.7°F | meter

pH: 6.85 su | meter

Spec. Cond.: 753 µS | meter

Other:

SAMPLES COLLECTED IN:

Parameter(s)	Volume of Sample Bottle	Quantity of Bottles	Type of Bottle	Type of Lid	Preservative	Cool to 4°
VOC	40 ml	3	glass	teflon septum	HCl	yes

Where sample seals put on each container ? No | Shipping Container Number: n/a

Chain-of-Custody Form ID Number: 2110 | Sample Distribution: Test America Laboratories

Sampled by / Witnessed by MD Morris

Other observations.

P.O. Box 3040, Miamisburg, OH 45343-3040 Phone #: 937-865-3553 FAX # 937-865-3611

EHS TECHNOLOGY GROUP, INC.

WELL SAMPLING LOG

Project: True Temper, Wallingford, Sept. '99 | Project #: H99019i | Sample ID#: MW-6

Project Location: 2 Maple Street, Wallingford, Vermont | Date: 9-16-99

Sample Site Location: west of boiler house | Time: 14:30

Sampling Conditions / Weather: | Site #: MW-6

Current: cloudy, rain, 65°F | Depth: 12'

Previous: partly cloudy 50°-75°F

MATERIAL AND RATIONALE:

Type of Material: water | Sample Represents: groundwater from downgradient of culvert

Sample collected from: monitor well | Sample taken with: disposable polypropolyene bailer

ELEVATIONS:

Water Level: 84.70 | TOC: 94.63 | Top of Screen: | Bot. of Screen:

LIQUID LEVELS:

Depth to Water: 9.93 | Depth to Bottom: 16.90 | Datum: TOC

Casing Diameter: 2" | Depth Measurements Determined by: Electric tape

Estimated Volume: 1 gal

Purged by: bailer | Purged Volume: 5 gal. | Purge Water put: on ground

OTHER LAYERS:

Floating layer: | Sinking Layer: no | Sludge layer: no | Determined by: eye

FIELD MEASUREMENTS: **DETERMINED BY:**

Color: brown | Turbidity: some | Eye

Temperature: 61.8°F | meter

pH: 7.40 su | meter

Spec. Cond.: 838 µS | meter

Other:

SAMPLES COLLECTED IN:

Parameter(s)	Volume of Sample Bottle	Quantity of Bottles	Type of Bottle	Type of Lid	Preservative	Cool to 4°
VOC	40 ml	3	glass	teflon septum	HCl	yes

Where sample seals put on each container ? No | Shipping Container Number: n/a

Chain-of-Custody Form ID Number: 2110 | Sample Distribution: Test America Laboratories

Sampled by / Witnessed by [signature]

Other observations:

P.O. Box 3040, Miamisburg, OH 45343-3040 Phone #: 937-865-3553 FAX # 937-865-3611

EHS TECHNOLOGY GROUP, INC.

WELL SAMPLING LOG

Project: True Temper, Wallingford, Sept. '99 | Project #: H99019i | Sample ID#: MW-7

Project Location: 2 Maple Street, Wallingford, Vermont | Date: 9-16-99

Sample Site Location: west of fuel shed, downgradient of mill race culvert | Time: 14:50

Sampling Conditions / Weather: | Site #: MW-7

Current: cloudy, rain, 65°F | Depth: 12'

Previous: partly cloudy 50°-75°F

MATERIAL AND RATIONALE:

Type of Material: water | Sample Represents: groundwater from downgradient of culvert

Sample collected from: monitor well | Sample taken with: disposable polypropolyene bailer

ELEVATIONS:

Water Level: 84.32 | TOC: 94.73 | Top of Screen: | Bot. of Screen:

LIQUID LEVELS:

Depth to Water: 10.41 | Depth to Bottom: 16.77 | Datum: TOC

Casing Diameter: 2" | Depth Measurements Determined by: Electric tape

Estimated Volume: 1 gal

Purged by: bailer | Purged Volume: 5 gal. | Purge Water put: on ground

OTHER LAYERS:

Floating layer: none | Sinking Layer: none | Sludge layer: none | Determined by: eye

FIELD MEASUREMENTS:

		DETERMINED BY:
Color	brown	Eye
Turbidity	some	
Temperature	60.5 °F	meter
pH	7.35 su	meter
Spec. Cond.	721 µS	meter
Other		

SAMPLES COLLECTED IN:

Parameter(s)	Volume of Sample Bottle	Quantity of Bottles	Type of Bottle	Type of Lid	Preservative	Cool to 4°
VOC	40 ml	3	glass	teflon septum	HCl	yes

Where sample seals put on each container ? No | Shipping Container Number: n/a

Chain-of-Custody Form ID Number: 2110 | Sample Distribution: Test America Laboratories

Sampled by / Witnessed by

Other observations:

P.O. Box 3040, Miamisburg, OH 45343-3040 Phone #: 937-865-3553 FAX # 937-865-3611

EHS TECHNOLOGY GROUP, INC.
WELL SAMPLING LOG

Project: True Temper, Wallingford, Sept. '99 | Project #: H990191 | Sample ID#: MW-8

Project Location: 2 Maple Street, Wallingford, Vermont | Date: 9-16-99

Sample Site Location: by road through log piles | Time: 15:00

Sampling Conditions / Weather: | Site #: MW-8

Current: cloudy, rain, 65°F | Depth: 12'

Previous: partly cloudy 50°-75°F

MATERIAL AND RATIONALE:

Type of Material: water | Sample Represents: groundwater from downgradient of culvert

Sample collected from: monitor well | Sample taken with: disposable polypropolyene bailer

ELEVATIONS:

Water Level: 83.72 | TOC: 94.32 | Top of Screen: | Bot. of Screen:

LIQUID LEVELS:

Depth to Water: 10.60 | Depth to Bottom: 16.69 | Datum: TOC

Casing Diameter: 2" | Depth Measurements Determined by: Electric tape

Estimated Volume: 1 gal

Purged by: bailer | Purged Volume: 5 gal. | Purge Water put: on ground

OTHER LAYERS:

Floating layer: none | Sinking Layer: none | Sludge layer: none | Determined by: eye

FIELD MEASUREMENTS:

			DETERMINED BY:
Color	brown	Turbidity: some	Eye
Temperature	59.5 °F		meter
pH	6.86 su		meter
Spec. Cond.	Not recorded		meter
Other			

SAMPLES COLLECTED IN:

Parameter(s)	Volume of Sample Bottle	Quantity of Bottles	Type of Bottle	Type of Lid	Preservative	Cool to 4°
VOC	40 ml	3	glass	teflon septum	HCl	yes

Where sample seals put on each container ? No | Shipping Container Number: n/a

Chain-of-Custody Form ID Number: 2110 | Sample Distribution: Test America Laboratories

Sampled by / Witnessed by M D Morris

Other observations:

P.O. Box 3040, Miamisburg, OH 45343-3040 Phone #: 937-865-3553 FAX # 937-865-3611

EHS TECHNOLOGY GROUP, INC.
WELL SAMPLING LOG

Project: True Temper, Wallingford, Sept. '99 | Project #: H99019f | Sample ID#: MW-9

Project Location: 2 Maple Street, Wallingford, Vermont | Date: 9-16-99

Sample Site Location: near SW corner of buildings near S end of old transformer pad | Time: 13:45

Sampling Conditions / Weather: | Site #: MW-9

Current: cloudy, rain, 65°F | Depth: 12'

Previous: partly cloudy 50°-75°F

MATERIAL AND RATIONALE:

Type of Material: water | Sample Represents: groundwater from high metals area

Sample collected from: monitor well | Sample taken with: disposable polypropolyene bailer

ELEVATIONS:

Water Level: 87.04 | TOC: 95.34 | Top of Screen: | Bot. of Screen:

LIQUID LEVELS:

Depth to Water: 8.30 | Depth to Bottom: 14.81 | Datum: TOC

Casing Diameter: 2" | Depth Measurements Determined by: Electric tape

Estimated Volume: 1 gal

Purged by: bailer | Purged Volume: 5 gal. | Purge Water put: on ground

OTHER LAYERS:

Floating layer: none | Sinking Layer: none | Sludge layer: none | Determined by: eye

FIELD MEASUREMENTS:

		DETERMINED BY:
Color	brown	Eye
Turbidity	some	Eye
Temperature	60.4 °F	meter
pH	not recorded	meter
Spec. Cond.	710 µS	meter
Other		

SAMPLES COLLECTED IN:

Parameter(s)	Volume of Sample Bottle	Quantity of Bottles	Type of Bottle	Type of Lid	Preservative	Cool to 4°
VOC	40 ml	3	glass	teflon septum	HCl	yes

Where sample seals put on each container ? No | Shipping Container Number: n/a

Chain-of-Custody Form ID Number: 2109 | Sample Distribution: Test America Laboratories

Sampled by / Witnessed by

Other observations:

P.O. Box 3040, Miamisburg, OH 45343-3040 Phone #: 937-865-3553 FAX # 937-865-3611

EHS TECHNOLOGY GROUP, INC.

NON-LIQUID SAMPLING LOG

Project	Wallingford TT Sept.'99 Sampling	Project #	H99019i	Sample ID#	OPH-T-5
Project Location	2 Maple Street, Wallingford, VT			Date	9-14-99
Sample Site Location	Test boring OPH-T NW of fire water UST			Time	1300
Sampling Conditions / Weather:				Site #	OPH -T
Current	Partly cloudy 75°F			Depth	8'
Previous	partly cloudy 50° - 80°F				

MATERIAL AND RATIONALE:

Type of Material	soil	Sample Represents	soil on concrete foundation
Sample collected from	test boring	Sample taken with	split spoon sampler

Sample is: [x] Discrete [ ] a Composite of

Amount of liquid present: saturated Type of liquid: oil & water

FIELD MEASUREMENTS:		**DETERMINED BY:**
Color	black - gray	Eye
Volume/Weight	4 ounces	Jar Size
odors/vapors	100	PID / nose
other		

DESCRIPTION: FILL, weathered concrete and sand with silt

SAMPLES COLLECTED IN:

Parameter(s)	Volume of Sample Bottle	Quantity of Bottles	Type of Bottle	Type of Lid	Preservative	Cool to 4°
VOC	4 oz	1	glass	teflon	none	yes
TPH	8 oz	1	glass	teflon	none	yes

Where sample seals put on each container ? No Shipping Container Number n/a

Chain-of-Custody Form ID Number 2110 Sample Distribution Test America

Sampled by / Witnessed by [signature]

Other observations:

P.O. Box 3040, Miamisburg, OH 45343-3040 Phone #. 937-865-3553 FAX # 937-865-3611

EHS TECHNOLOGY GROUP

LIQUID SAMPLING LOG

Project: True Temper Wallingford Sept '99 | Project #: H99019i | Sample ID#: MR

Project Location: 2 Maple Street, Wallingford, VT | Date: 9-16-99

Sample Site Location: 50' north of mill race culvert outfall | Time: 18:10

Sampling Conditions / Weather: | Site #: MR

Current: cloudy, rain, 65°F | Depth: 4"

Previous: partly cloudy 50°-75°F

MATERIAL AND RATIONALE:

Type of Material: water | Sample Represents: surface water in mill race culvert

Sample collected from: mill race surface flow | Sample taken: by dipping sample jars

LIQUID LEVELS & FLOW RATES: Determined by:

Depth of Liquid	1'	foot	est.	eye
Volume	1000's	gallons	est.	eye
Flow rate	<20	gpm	est.	eye

MULTIPLE LAYERS: Determined by:

Floating layer: none | Sinking Layer: none | Sludge layer: none | eye

FIELD MEASUREMENTS: Determined by:

Color	greenish brown	Turbidity: slight	Eye
Temperature	n/a °F		meter
pH	n/a su		meter
Spec. Cond.	N/a µS		meter

SAMPLES COLLECTED IN:

Parameter(s)	Volume of Sample Bottle	Quantity of Bottles	Type of Bottle	Type of Lid	Preservative	Cool to 4°
VOCs	40 ml	3	glass	teflon septum	HCl	yes

Where sample seals put on each container ? n/a | Shipping Container Number: n/a

Chain-of-Custody Form ID Number: 2110 | Sample Distribution: Test America Laboratories

Sampled by / Witnessed by [signature]

Other observations:

P.O. Box 3040, Miamisburg, OH 45343-3040 Phone #: 937-865-3553 FAX # 937-865-3611

EHS TECHNOLOGY GROUP

LIQUID SAMPLING LOG

Project: True Temper Wallingford Sept. '99 | Project #: H99019i | Sample ID#: MW-FB

Project Location: 2 Maple Street, Wallingford, VT | Date: 9-16-99

Sample Site Location: fire pump house | Time: 15:15

Sampling Conditions / Weather: | Site #: fire pump

Current: cloudy, rain, 65°F | Depth: 0

Previous: partly cloudy 50°-75°F

MATERIAL AND RATIONALE:

Type of Material: water | Sample Represents: field/equipment QC blank

Sample collected from: std equip | Sample taken with: bailer & sample jars

LIQUID LEVELS & FLOW RATES: Determined by:

Depth of Liquid	0	inches / feet	est. / measured	
Volume	n/a	gallons / ft³	est. / measured	
Flow rate	n/a	gpm / cfs	est / measured	

MULTIPLE LAYERS: Determined by:

Floating layer: none | Sinking Layer: none | Sludge layer: none | eye

FIELD MEASUREMENTS: Determined by:

Color	none	Turbidity: none	Eye
Temperature	n/a °F		meter
pH	n/a su		meter
Spec. Cond.	N/a µS		meter

SAMPLES COLLECTED IN:

Parameter(s)	Volume of Sample Bottle	Quantity of Bottles	Type of Bottle	Type of Lid	Preservative	Cool to 4°
VOCs	40 ml	3	glass	teflon septum	HCl	yes

Where sample seals put on each container ? n/a | Shipping Container Number: n/a

Chain-of-Custody Form ID Number: 2110 | Sample Distribution: Test America Laboratories

Sampled by / Witnessed by [signature]

Other observations:

P.O. Box 3040, Miamisburg, OH 45343-3040 Phone # 937-865-3553 FAX # 937-865-3611

EHS TECHNOLOGY GROUP

P.O. Box 3040, Miamisburg, Ohio 45343-3040 phone 937-865-3553

CHAIN-OF-CUSTODY RECORD

PROJ. No.: H99019f

PROJECT NAME: Huffy / TrueTemper / Ames

Chain-of-Custody #:

SAMPLER (Signature): M D Morris

Analytical Parameters

SAMPLE FIELD ID #	DATE	TIME	GRAB	COMPOSITE	MATRIX	STATION LOCATION or ID	NUMBER OF JARS	BTEX 8020/602	TPH (418.1)	PAH 8270B				REMARKS	LAB ID #
OPHB-5	2-27	12:00	X		S	OPHB at 8'-10'	2	X	X	X					
OPHA-5	2-27	9:25	X		S	OPH A at 8'-10'	2	X	X	X				Due 3/4/99,	
OPHC-5	2-27	13:45	X		S	OPHC at 8'-10'	2	X	X	X					
GASA-5	2-27	16:00	X		S	GAS A at 8'-10'	2	X	X	X				3/1/99	
GASA-5a	2-27	16:00	X		S	GAS A at 8'-10'	2	X	X	X					
field blank	2-27	16:15	X		W	truck	3	X							
OPHA-W	2-27	13:40	X		W	OPHA water	4	X	X	X					
trip blank	—	—	X		W	trip blank	—	X	X	X					

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	RELINQUISHED BY:	DATE	TIME	RECEIVED BY:
M D Morris	3-1	16:17	Kathy Dionne	Kathy Dionne	3/1/99	11:55	

RELINQUISHED TO SHIPPER BY:	DATE	TIME	DELIVERY SHIPPING METHOD:	RECEIVED AT LAB BY:	DATE	TIME
			___ Overnight ___ Ground	D Mohler	3/1/99	11:55

COOLER SEAL #_____, SEAL INTACT ?__YES __NO __N/A, TEMPERATURE UPON RECIEPT_____°, ALL BOTTLES INTACT? __YES __NO, ALL BOTTLE SEALS INTACT? __YES __NO __N/A, VOC SAMPLES FREE OF BUBBLES? __YES __ NO __N/A

DISTRIBUTION: ORIGINAL WHITE: Return to EHS with report, YELLOW: Laboratory Copy, PINK: Field Copy

(TAT) ASAP Today if Possible (1693)

2044

EHS TECHNOLOGY GROUP

P.O. Box 3040, Miamisburg, Ohio 45343-3040 phone 937-865-3553

CHAIN-OF-CUSTODY RECORD

PROJ. No.: H990197

PROJECT NAME: Huffy / True Temper / Ames

Chain-of-Custody #: 2044

SAMPLER (Signature): Michael Morris

SAMPLE FIELD ID #	DATE	TIME	GRAB	COMPOSITE	MATRIX	STATION LOCATION or ID	NUMBER OF JARS	Analytical Parameters: BTEX	Analytical Parameters: TPH					REMARKS	LAB ID # (PES#)
Gas D6	3 13 99	1430	X		Soil	Gas D at 10'-12'	1	X	X					990316 B	B01
OPH-W1	3-15-99	920	X		W	MW-1	3	X	X						B02
OPH-W2	3-15-99	1030	X		W	MW-2	3	X	X						B03
OPH-W3	3-15-99	1815	X		W	MW-3	3	X	X						B04
OPH-W3d	3-15-99	1815	X		W	MW-3	3	X	X						B05
OPH-W4	3-15-99	840	X		W	MW-4	3	X	X						B06
OPH-WFB	3-15-99	1850	X		W	OPH	3	X	X						B07
TB			X		W	Lab	2	X							B08
OPH D5	3-11-99	10:25	X		Soil	OPH D at 8'-10'	1	X	X						B09
OPH-G7	3-15-99	1445	X		Soil	OPH G at 12'-14'	1	X	X						B10
OPH-H-7	3-15-99	1500	X		Soil	OPH H at 12'-14'	1	X	X						B11
OPH-I5	3-15-99	1520	X		Soil	OPH I at 8'-10'	1	X	X						B12

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	RELINQUISHED BY:	DATE	TIME	RECEIVED BY:
M. Morris	3-16-99	728					

RELINQUISHED TO SHIPPER BY:	DATE	TIME	DELIVERY SHIPPING METHOD:		RECEIVED AT LAB BY:	DATE	TIME
			EHS direct	X Overnight / Ground	M. L	3/16/99	7:28 Am

COOLER SEAL #_____, SEAL INTACT ?__YES __NO __N/A, TEMPERATURE UPON RECIEPT_____°_, ALL BOTTLES INTACT? __YES __NO,
ALL BOTTLE SEALS INTACT? __YES __NO __N/A, VOC SAMPLES FREE OF BUBBLES? __YES __NO __N/A

DISTRIBUTION: ORIGINAL WHITE: Return to EHS with report, YELLOW: Laboratory Copy, PINK: Field Copy

2082

EHS TECHNOLOGY GROUP

P.O. Box 3040, Miamisburg, Ohio 45343-3040 phone 937-865-3553

CHAIN-OF-CUSTODY RECORD

PROJ. No.: H99019f

PROJECT NAME: Huffy / True Temper / Wallingford

SAMPLER (Signature): [signature] Morris

Chain-of-Custody #:

Analytical Parameters

SAMPLE FIELD ID #	DATE	TIME	GRAB	COMPOSITE	MATRIX	STATION LOCATION or ID	NUMBER OF JARS	8270	8020	TPH (8015)	DRO + Motor Oil 5/24/99			REMARKS	LAB ID #
Trip Blank			X		water	trip blank	3		X						
OPH-MR	5-21	700	X		water	mill race / downstream	4	X	X						
OPH-LW	5-19	1420	X		water	Boring OPH-L	4	X	X						
OPH-M	5-19	1610	X		water	Boring OPH-M	4	X	X						
OPH-K	5-19	1100	X		soil	Boring OPH-K at 12'	1		X						
OPH-J	5-19	1400	X		soil	Boring OPH-J at 8-12'	1		X						
OPH-Q 8-12	5-19	1200	X		soil	Boring OPH-Q at 8-12'	1			X					
OPH-P 10-12	5-20	1100	X		soil	Boring OPH P at 10'-12'	1		X						
OPH-oil	5 19	1300		X	oil	BORING OPH-L et al	1			X				finger print FOR TPH;	
OPH R 8-10	5-20	1315	X		soil	BORING OPH-R at 8'-10'	1			X				DETERMINATION	
OPH J 8-12	5-19	1400	X		soil	BORING OPH-J at 8'-12'	1		X	X				OF HYDROCARBON TYPE	
														& AMOUNT. [signature]	

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	RELINQUISHED BY:	DATE	TIME	RECEIVED BY:
[signature] Morris	5-21-99	8:27	[signature]				5/25/99

RELINQUISHED TO SHIPPER BY:	DATE	TIME	DELIVERY SHIPPING METHOD:	___ Overnight ___ Ground	RECEIVED AT LAB BY:	DATE	TIME
[signature]					C Van Zant	5/24/95	1215

COOLER SEAL #_____, SEAL INTACT ?__YES __NO __N/A, TEMPERATURE UPON RECIEPT 17 °C ALL BOTTLES INTACT? __YES __NO, ALL BOTTLE SEALS INTACT? __YES __NO __N/A, VOC SAMPLES FREE OF BUBBLES? __YES __ NO __N/A

DISTRIBUTION: ORIGINAL WHITE: Return to EHS with report, YELLOW: Laboratory Copy, PINK: Field Copy

2083

case #16

EHS TECHNOLOGY GROUP

P.O. Box 3040, Miamisburg, Ohio 45343-3040 phone 937-865-3553

CHAIN-OF-CUSTODY RECORD

PROJ. No.: H99019f

PROJECT NAME: Huffy / True Temper / Wallingford

Chain-of-Custody #:

SAMPLER (Signature): MD Morris

Analytical Parameters

	SAMPLE FIELD ID #	DATE	TIME	GRAB	COMPOSITE	MATRIX	STATION LOCATION or ID	NUMBER OF JARS	8270	8020					REMARKS	LAB ID #
✓	OPH-OW	5-20	10:00	X		water	boring OPH-O	4	X	X						
✓	OPH-KW	5-19	1150	X		Water	boring OPH-K	4	X	X						
✓	OPH-JW	5-19	10:00	X		water	boring OPH-J									
	~~OPH~~															
	~~OPH~~															
	~~OPH~~															
✓	MW1	5-20	1720	X		water	MW 1	4	X	X						
✓	MW2	5-20	1640	X		water	MW 2	4	X	X						
✓	MW3	5-20	1750	X		water	MW 3	4	X	X						
✓	MW4	5-20	1840	X		water	MW 4	4	X	X						
	Trip blank							3		X						

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	RELINQUISHED BY:	DATE	TIME	RECEIVED BY:
MD Morris	5-21-99	7:10	Mark Beck				

RELINQUISHED TO SHIPPER BY:	DATE	TIME	DELIVERY SHIPPING METHOD:	__Overnight __Ground	RECEIVED AT LAB BY:	DATE	TIME
Mark Beck					C. VanZant	5/24/99	1215

COOLER SEAL #_____, SEAL INTACT ?__YES __NO __N/A. TEMPERATURE UPON RECIEPT 4 °C ALL BOTTLES INTACT? __YES __NO,
ALL BOTTLE SEALS INTACT? __YES __NO __N/A, VOC SAMPLES FREE OF BUBBLES? __YES __ NO __N/A

DISTRIBUTION: ORIGINAL WHITE: Return to EHS with report, YELLOW: Laboratory Copy, PINK: Field Copy

TestAmerica
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ANALYTICAL AND QUALITY CONTROL REPORT

Mike Morris
EHS TECHNOLOGY GROUP, LLC
P. O. Box 3040
Miamisburg, OH 45343-3040

03/04/1999

Job Number: 99.02682

Enclosed is the Analytical and Quality Control reports for the following samples submitted to the Dayton Division of TestAmerica, Inc. for analysis:

Sample Number	Sample Description	Date Taken	Date Received
522947	B36A-5+6	02/24/1999	03/01/1999
522948	B36B-5	02/24/1999	03/01/1999
522949	B36C-4	02/24/1999	03/01/1999
522950	GASC-5	02/25/1999	03/01/1999
522951	GASB-6	02/25/1999	03/01/1999
522953	OPH B-5	02/27/1999	03/01/1999
522954	OPH A-5	02/27/1999	03/01/1999
522955	OPH C-5	02/27/1999	03/01/1999
522956	GAS A-5	02/27/1999	03/01/1999
522957	GAS A-5A	02/27/1999	03/01/1999
522958	GASC-W	02/25/1999	03/01/1999
522959	FIELD BLANK	02/27/1999	03/01/1999
522960	OPHA-W	02/27/1999	03/01/1999
522961	TRIP BLANK		03/01/1999

The Quality Control report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

TestAmerica, Inc. certifies that the analytical results contained herein apply only to the specific samples analyzed.

Reproduction of this analytical report is permitted only in its entirety.

Enclosure

Approved By

3601 SOUTH DIXIE DRIVE / DAYTON, OH 45439 / 937-294-6856 / FAX: 937-294-7816

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Mike Morris
EHS TECHNOLOGY GROUP, LLC
P. O. Box 3040
Miamisburg, OH 45343-3040

03/04/1999

Job Number: 99.02682

Client Project ID: Huffy/True Temper

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 522947	SAMPLE DESCRIPTION B36A-5+6							DATE-TIME TAKEN 02/24/1999 14:45	
Prep, BNA Non-Aq	Complete			Complete	03/02/1999	rrs	649		EPA 625 ; SW 354
Prep, TPH 418.1 Nonaq	Complete			Complete	03/02/1999	mcm	531		SW 9071
PNA Non-Aq - 8270									
Acenaphthene	<330		ug/Kg	<330	03/03/1999	jwr	649	716	SW 8270B
Acenaphthylene	<330		ug/Kg	<330	03/03/1999	jwr	649	716	SW 8270B
Anthracene	<330		ug/Kg	<330	03/03/1999	jwr	649	716	SW 8270B
Benzo(a)anthracene	<330		ug/Kg	<330	03/03/1999	jwr	649	716	SW 8270B
Benzo(a)pyrene	<165		ug/Kg	<165	03/03/1999	jwr	649	716	SW 8270B
Benzo(b)fluoranthene	<330		ug/Kg	<330	03/03/1999	jwr	649	716	SW 8270B
Benzo(ghi)perylene	<330		ug/Kg	<330	03/03/1999	jwr	649	716	SW 8270B
Benzo(k)fluoranthene	<330		ug/Kg	<330	03/03/1999	jwr	649	716	SW 8270B
Chrysene	<330		ug/Kg	<330	03/03/1999	jwr	649	716	SW 8270B
Dibenzo(a)anthracene	<165		ug/Kg	<165	03/03/1999	jwr	649	716	SW 8270B
Fluoranthene	<330		ug/Kg	<330	03/03/1999	jwr	649	716	SW 8270B
Fluorene	<330		ug/Kg	<330	03/03/1999	jwr	649	716	SW 8270B
Indeno(123)pyrene	<330		ug/Kg	<330	03/03/1999	jwr	649	716	SW 8270B
Naphthalene	<330		ug/Kg	<330	03/03/1999	jwr	649	716	SW 8270B
Phenanthrene	<330		ug/Kg	<330	03/03/1999	jwr	649	716	SW 8270B
Pyrene	<330		ug/Kg	<330	03/03/1999	jwr	649	716	SW 8270B
Surrogate: d5-Nitrobenzene	77		%		03/03/1999	jwr	649	716	SW 8270B
Surrogate: 2-Fluorobiphenyl	100		%		03/03/1999	jwr	649	716	SW 8270B
Surrogate: d14-Terphenyl	97		%		03/03/1999	jwr	649	716	SW 8270B
BTEX-M 8020, Non-Aq									
Benzene	<5.0		ug/Kg	<5.0	03/01/1999	dal		209	SW 8020
Ethylbenzene	<5.0		ug/Kg	<5.0	03/01/1999	dal		209	SW 8020
Toluene	<5.0		ug/Kg	<5.0	03/01/1999	dal		209	SW 8020

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Mike Morris
EHS TECHNOLOGY GROUP, LLC
P. O. Box 3040
Miamisburg, OH 45343-3040

03/04/1999

Job Number: 99.02682

Client Project ID: Huffy/True Temper

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 522947	SAMPLE DESCRIPTION B36A-5+6							DATE-TIME TAKEN 02/24/1999 14:45	
Xylenes, Total	<5.0		ug/Kg	<5.0	03/01/1999	dal		209	SW 8020
Surrogate: BFB	105		%		03/01/1999	dal		209	SW 8020
TPH - FTIR Non-aq	10		mg/Kg	<10	03/03/1999	mem	531	527	SW 9073
SAMPLE NO. 522948	SAMPLE DESCRIPTION B36B-5							DATE-TIME TAKEN 02/24/1999 15:30	
Prep, BNA Non-Aq	Complete			Complete	03/02/1999	rrs	649		EPA 625 ; SW 354
Prep, TPH 418.1 Nonaq	Complete			Complete	03/02/1999	mem	531		SW 9071
PNA Non-Aq - 8270									
Acenaphthene	<330		ug/Kg	<330	03/03/1999	jwr	649	716	SW 8270B
Acenaphthylene	<330		ug/Kg	<330	03/03/1999	jwr	649	716	SW 8270B
Anthracene	<330		ug/Kg	<330	03/03/1999	jwr	649	716	SW 8270B
Benzo(a)anthracene	<330		ug/Kg	<330	03/03/1999	jwr	649	716	SW 8270B
Benzo(a)pyrene	<165		ug/Kg	<165	03/03/1999	jwr	649	716	SW 8270B
Benzo(b)fluoranthene	<330		ug/Kg	<330	03/03/1999	jwr	649	716	SW 8270B
Benzo(ghi)perylene	<330		ug/Kg	<330	03/03/1999	jwr	649	716	SW 8270B
Benzo(k)fluoranthene	<330		ug/Kg	<330	03/03/1999	jwr	649	716	SW 8270B
Chrysene	<330		ug/Kg	<330	03/03/1999	jwr	649	716	SW 8270B
Dibenzo(a)anthracene	<165		ug/Kg	<165	03/03/1999	jwr	649	716	SW 8270B
Fluoranthene	<330		ug/Kg	<330	03/03/1999	jwr	649	716	SW 8270B
Fluorene	<330		ug/Kg	<330	03/03/1999	jwr	649	716	SW 8270B
Indeno(123)pyrene	<330		ug/Kg	<330	03/03/1999	jwr	649	716	SW 8270B

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Mike Morris
EHS TECHNOLOGY GROUP, LLC
P. O. Box 3040
Miamisburg, OH 45343-3040

03/04/1999

Job Number: 99.02682

Client Project ID: Huffy/True Temper

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 522948	SAMPLE DESCRIPTION B36B-5							DATE-TIME TAKEN 02/24/1999 15:30	
Naphthalene	<330		ug/Kg	<330	03/03/1999	jwr	649	716	SW 8270B
Phenanthrene	<330		ug/Kg	<330	03/03/1999	jwr	649	716	SW 8270B
Pyrene	<330		ug/Kg	<330	03/03/1999	jwr	649	716	SW 8270B
Surrogate: d5-Nitrobenzene	70		%		03/03/1999	jwr	649	716	SW 8270B
Surrogate: 2-Fluorobiphenyl	86		%		03/03/1999	jwr	649	716	SW 8270B
Surrogate: d14-Terphenyl	100		%		03/03/1999	jwr	649	716	SW 8270B
BTEX M 8020, Non-Aq									
Benzene	<5.0		ug/Kg	<5.0	03/01/1999	dal		209	SW 8020
Ethylbenzene	<5.0		ug/Kg	<5.0	03/01/1999	dal		209	SW 8020
Toluene	<5.0		ug/Kg	<5.0	03/01/1999	dal		209	SW 8020
Xylenes, Total	<5.0		ug/Kg	<5.0	03/01/1999	dal		209	SW 8020
Surrogate: BFB	101		%		03/01/1999	dal		209	SW 8020
TPH - FTIR Non-aq	<10		mg/Kg	<10	03/03/1999	mem	531	527	SW 9073
SAMPLE NO. 522949	SAMPLE DESCRIPTION B36C-4							DATE-TIME TAKEN 02/24/1999 16:40	
Prep, BNA Non-Aq	Complete			Complete	03/01/1999	lgh	649		EPA 625 ; SW 354
Prep, TPH 418.1 Nonaq	Complete			Complete	03/02/1999	mem	531		SW 9071
PNA Non-Aq - 8270									
Acenaphthene	<330		ug/Kg	<330	03/02/1999	jwr	649	714	SW 8270B
Acenaphthylene	<330		ug/Kg	<330	03/02/1999	jwr	649	714	SW 8270B
Anthracene	<330		ug/Kg	<330	03/02/1999	jwr	649	714	SW 8270B

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Mike Morris
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03/04/1999

Job Number: 99.02682

Client Project ID: Huffy/True Temper

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 522949	SAMPLE DESCRIPTION B36C-4							DATE-TIME TAKEN 02/24/1999 16:40	
Benzo(a)anthracene	<330		ug/Kg	<330	03/02/1999	jwr	649	714	SW 8270B
Benzo(a)pyrene	<165		ug/Kg	<165	03/02/1999	jwr	649	714	SW 8270B
Benzo(b)fluoranthene	<330		ug/Kg	<330	03/02/1999	jwr	649	714	SW 8270B
Benzo(ghi)perylene	<330		ug/Kg	<330	03/02/1999	jwr	649	714	SW 8270B
Benzo(k)fluoranthene	<330		ug/Kg	<330	03/02/1999	jwr	649	714	SW 8270B
Chrysene	<330		ug/Kg	<330	03/02/1999	jwr	649	714	SW 8270B
Dibenzo(a)anthracene	<165		ug/Kg	<165	03/02/1999	jwr	649	714	SW 8270B
Fluoranthene	<330		ug/Kg	<330	03/02/1999	jwr	649	714	SW 8270B
Fluorene	<330		ug/Kg	<330	03/02/1999	jwr	649	714	SW 8270B
Indeno(123)pyrene	<330		ug/Kg	<330	03/02/1999	jwr	649	714	SW 8270B
Naphthalene	<330		ug/Kg	<330	03/02/1999	jwr	649	714	SW 8270B
Phenanthrene	<330		ug/Kg	<330	03/02/1999	jwr	649	714	SW 8270B
Pyrene	<330		ug/Kg	<330	03/02/1999	jwr	649	714	SW 8270B
Surrogate: d5-Nitrobenzene	91		%		03/02/1999	jwr	649	714	SW 8270B
Surrogate: 2-Fluorobiphenyl	98		%		03/02/1999	jwr	649	714	SW 8270B
Surrogate: d14-Terphenyl	104		%		03/02/1999	jwr	649	714	SW 8270B
BTEX-M 8020, Non-Aq									
Benzene	<5.0		ug/Kg	<5.0	03/01/1999	dal		209	SW 8020
Ethylbenzene	<5.0		ug/Kg	<5.0	03/01/1999	dal		209	SW 8020
Toluene	<5.0		ug/Kg	<5.0	03/01/1999	dal		209	SW 8020
Xylenes, Total	<5.0		ug/Kg	<5.0	03/01/1999	dal		209	SW 8020
Surrogate: BFB	82		%		03/01/1999	dal		209	SW 8020
TPH - FTIR Non-aq	<10		mg/Kg	<10	03/03/1999	mcm	531	527	SW 9073

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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 522950	SAMPLE DESCRIPTION GASC-5						DATE-TIME TAKEN 02/25/1999 09:50		
Prep, BNA Non-Aq	Complete			Complete	03/01/1999	lgh	649		EPA 625 ; SW 354
Prep, TPH 418.1 Nonaq	Complete			Complete	03/02/1999	mem	531		SW 9071
PNA Non-Aq - 8270									
Acenaphthene	<330		ug/Kg	<330	03/02/1999	jwr	649	714	SW 8270B
Acenaphthylene	<330		ug/Kg	<330	03/02/1999	jwr	649	714	SW 8270B
Anthracene	<330		ug/Kg	<330	03/02/1999	jwr	649	714	SW 8270B
Benzo(a)anthracene	<330		ug/Kg	<330	03/02/1999	jwr	649	714	SW 8270B
Benzo(a)pyrene	<165		ug/Kg	<165	03/02/1999	jwr	649	714	SW 8270B
Benzo(b)fluoranthene	<330		ug/Kg	<330	03/02/1999	jwr	649	714	SW 8270B
Benzo(ghi)perylene	<330		ug/Kg	<330	03/02/1999	jwr	649	714	SW 8270B
Benzo(k)fluoranthene	<330		ug/Kg	<330	03/02/1999	jwr	649	714	SW 8270B
Chrysene	<330		ug/Kg	<330	03/02/1999	jwr	649	714	SW 8270B
Dibenzo(a)anthracene	<165		ug/Kg	<165	03/02/1999	jwr	649	714	SW 8270B
Fluoranthene	<330		ug/Kg	<330	03/02/1999	jwr	649	714	SW 8270B
Fluorene	<330		ug/Kg	<330	03/02/1999	jwr	649	714	SW 8270B
Indeno(123)pyrene	<330		ug/Kg	<330	03/02/1999	jwr	649	714	SW 8270B
Naphthalene	<330		ug/Kg	<330	03/02/1999	jwr	649	714	SW 8270B
Phenanthrene	<330		ug/Kg	<330	03/02/1999	jwr	649	714	SW 8270B
Pyrene	<330		ug/Kg	<330	03/02/1999	jwr	649	714	SW 8270B
Surrogate: d5-Nitrobenzene	86		%		03/02/1999	jwr	649	714	SW 8270B
Surrogate: 2-Fluorobiphenyl	93		%		03/02/1999	jwr	649	714	SW 8270B
Surrogate: d14-Terphenyl	96		%		03/02/1999	jwr	649	714	SW 8270B
BTEX-M 8020, Non-Aq									
Benzene	<5.0		ug/Kg	<5.0	03/01/1999	dal		209	SW 8020
Ethylbenzene	<5.0		ug/Kg	<5.0	03/01/1999	dal		209	SW 8020
Toluene	<5.0		ug/Kg	<5.0	03/01/1999	dal		209	SW 8020

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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 522950	SAMPLE DESCRIPTION GASC-5							DATE-TIME TAKEN 02/25/1999 09:50	
Xylenes, Total	<5.0		ug/Kg	<5.0	03/01/1999	dal		209	SW 8020
Surrogate: BFB	108		%		03/01/1999	dal		209	SW 8020
TPH - FTIR Non-aq	<10		mg/Kg	<10	03/03/1999	mem	531	527	SW 9073
SAMPLE NO. 522951	SAMPLE DESCRIPTION GASB-6							DATE-TIME TAKEN 02/25/1999 07:50	
Prep, BNA Non-Aq	Complete			Complete	03/01/1999	lgh	649		EPA 625 ; SW 3540
Prep, TPH 418.1 Nonaq	Complete			Complete	03/02/1999	mem	531		SW 9071
PNA Non-Aq - 8270									
Acenaphthene	<330		ug/Kg	<330	03/02/1999	jwr	649	714	SW 8270B
Acenaphthylene	<330		ug/Kg	<330	03/02/1999	jwr	649	714	SW 8270B
Anthracene	<330		ug/Kg	<330	03/02/1999	jwr	649	714	SW 8270B
Benzo(a)anthracene	<330		ug/Kg	<330	03/02/1999	jwr	649	714	SW 8270B
Benzo(a)pyrene	<165		ug/Kg	<165	03/02/1999	jwr	649	714	SW 8270B
Benzo(b)fluoranthene	<330		ug/Kg	<330	03/02/1999	jwr	649	714	SW 8270B
Benzo(ghi)perylene	<330		ug/Kg	<330	03/02/1999	jwr	649	714	SW 8270B
Benzo(k)fluoranthene	<330		ug/Kg	<330	03/02/1999	jwr	649	714	SW 8270B
Chrysene	<330		ug/Kg	<330	03/02/1999	jwr	649	714	SW 8270B
Dibenzo(a)anthracene	<165		ug/Kg	<165	03/02/1999	jwr	649	714	SW 8270B
Fluoranthene	<330		ug/Kg	<330	03/02/1999	jwr	649	714	SW 8270B
Fluorene	<330		ug/Kg	<330	03/02/1999	jwr	649	714	SW 8270B
Indeno(123)pyrene	<330		ug/Kg	<330	03/02/1999	jwr	649	714	SW 8270B

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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 522951	SAMPLE DESCRIPTION GASB-6							DATE-TIME TAKEN 02/25/1999 07:50	
Naphthalene	1020		ug/Kg	<330	03/02/1999	jwr	649	714	SW 8270B
Phenanthrene	<330		ug/Kg	<330	03/02/1999	jwr	649	714	SW 8270B
Pyrene	<330		ug/Kg	<330	03/02/1999	jwr	649	714	SW 8270B
Surrogate: d5-Nitrobenzene	82		%		03/02/1999	jwr	649	714	SW 8270B
Surrogate: 2-Fluorobiphenyl	91		%		03/02/1999	jwr	649	714	SW 8270B
Surrogate: d14-Terphenyl	110		%		03/02/1999	jwr	649	714	SW 8270B
BTEX-M 8020, Non-Aq									
Benzene	<5.0		ug/Kg	<5.0	03/01/1999	dal		209	SW 8020
Ethylbenzene	<25		ug/Kg	<5.0	03/01/1999	dal		209	SW 8020
Toluene	<25		ug/Kg	<5.0	03/01/1999	dal		209	SW 8020
Xylenes, Total	701		ug/Kg	<5.0	03/01/1999	dal		209	SW 8020
Surrogate: BFB	114		%		03/01/1999	dal		209	SW 8020
TPH - FTIR Non-aq	<10		mg/Kg	<10	03/03/1999	mem	531	527	SW 9073
SAMPLE NO. 522953	SAMPLE DESCRIPTION OPH B-5							DATE-TIME TAKEN 02/27/1999 12:00	
Prep, BNA Non-Aq	Complete			Complete	03/01/1999	lgh	649		EPA 625 ; SW 354
Prep, TPH 418.1 Nonaq	Complete			Complete	03/02/1999	mem	531		SW 9071
PNA Non-Aq - 8270									
Acenaphthene	<16,500		ug/Kg	<16,500	03/03/1999	dal	649	715	SW 8270B
Acenaphthylene	<16,500		ug/Kg	<16,500	03/03/1999	dal	649	715	SW 8270B
Anthracene	<16,500		ug/Kg	<16,500	03/03/1999	dal	649	715	SW 8270B

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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 522953	SAMPLE DESCRIPTION OPH B-5							DATE-TIME TAKEN 02/27/1999 12:00	
Benzo(a)anthracene	<16,500		ug/Kg	<16,500	03/03/1999	dal	649	715	SW 8270B
Benzo(a)pyrene	<8,250		ug/Kg	<8,250	03/03/1999	dal	649	715	SW 8270B
Benzo(b)fluoranthene	<16,500		ug/Kg	<16,500	03/03/1999	dal	649	715	SW 8270B
Benzo(ghi)perylene	<16,500		ug/Kg	<16,500	03/03/1999	dal	649	715	SW 8270B
Benzo(k)fluoranthene	<16,500		ug/Kg	<16,500	03/03/1999	dal	649	715	SW 8270B
Chrysene	<16,500		ug/Kg	<16,500	03/03/1999	dal	649	715	SW 8270B
Dibenzo(a)anthracene	<8,250		ug/Kg	<8,250	03/03/1999	dal	649	715	SW 8270B
Fluoranthene	<16,500		ug/Kg	<16,500	03/03/1999	dal	649	715	SW 8270B
Fluorene	<16,500		ug/Kg	<16,500	03/03/1999	dal	649	715	SW 8270B
Indeno(123)pyrene	<16,500		ug/Kg	<16,500	03/03/1999	dal	649	715	SW 8270B
Naphthalene	<16,500		ug/Kg	<16,500	03/03/1999	dal	649	715	SW 8270B
Phenanthrene	<16,500		ug/Kg	<16,500	03/03/1999	dal	649	715	SW 8270B
Pyrene	<16,500		ug/Kg	<16,500	03/03/1999	dal	649	715	SW 8270B
Surrogate: d5-Nitrobenzene	DL		%		03/03/1999	dal	649	715	SW 8270B
Surrogate: 2-Fluorobiphenyl	DL		%		03/03/1999	dal	649	715	SW 8270B
Surrogate: d14-Terphenyl	DL Note		%		03/03/1999	dal	649	715	SW 8270B
BTEX-M 8020, Non-Aq									
Benzene	<5.0		ug/Kg	<5.0	03/01/1999	dal		209	SW 8020
Ethylbenzene	82.8		ug/Kg	<5.0	03/01/1999	dal		209	SW 8020
Toluene	<25		ug/Kg	<5.0	03/01/1999	dal		209	SW 8020
Xylenes, Total	29.3		ug/Kg	<5.0	03/01/1999	dal		209	SW 8020
Surrogate: DFB	147		%		03/01/1999	dal		209	SW 8020
TPH - FTIR Non-aq	7,120		mg/Kg	<10	03/03/1999	mem	531	527	SW 9073

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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 522954	SAMPLE DESCRIPTION OPH A-5						DATE-TIME TAKEN 02/27/1999 09:25		
Prep, BNA Non-Aq	Complete			Complete	03/01/1999	lgh	649		EPA 625 ; SW 354
Prep, TPH 418.1 Nonaq	Complete			Complete	03/02/1999	mem	531		SW 9071
PNA Non-Aq - 8270									
Acenaphthene	<16,500		ug/Kg	<16,500	03/03/1999	dal	649	715	SW 8270B
Acenaphthylene	<16,500		ug/Kg	<16,500	03/03/1999	dal	649	715	SW 8270B
Anthracene	<16,500		ug/Kg	<16,500	03/03/1999	dal	649	715	SW 8270B
Benzo(a)anthracene	<16,500		ug/Kg	<16,500	03/03/1999	dal	649	715	SW 8270B
Benzo(a)pyrene	<8,250		ug/Kg	<8,250	03/03/1999	dal	649	715	SW 8270B
Benzo(b)fluoranthene	<16,500		ug/Kg	<16,500	03/03/1999	dal	649	715	SW 8270B
Benzo(ghi)perylene	<16,500		ug/Kg	<16,500	03/03/1999	dal	649	715	SW 8270B
Benzo(k)fluoranthene	<16,500		ug/Kg	<16,500	03/03/1999	dal	649	715	SW 8270B
Chrysene	<16,500		ug/Kg	<16,500	03/03/1999	dal	649	715	SW 8270B
Dibenzo(a)anthracene	<8,250		ug/Kg	<8,250	03/03/1999	dal	649	715	SW 8270B
Fluoranthene	<16,500		ug/Kg	<16,500	03/03/1999	dal	649	715	SW 8270B
Fluorene	<16,500		ug/Kg	<16,500	03/03/1999	dal	649	715	SW 8270B
Indeno(123)pyrene	<16,500		ug/Kg	<16,500	03/03/1999	dal	649	715	SW 8270B
Naphthalene	<16,500		ug/Kg	<16,500	03/03/1999	dal	649	715	SW 8270B
Phenanthrene	<16,500		ug/Kg	<16,500	03/03/1999	dal	649	715	SW 8270B
Pyrene	<16,500		ug/Kg	<16,500	03/03/1999	dal	649	715	SW 8270B
Surrogate: d5-Nitrobenzene	DL		%		03/03/1999	dal	649	715	SW 8270B
Surrogate: 2-Fluorobiphenyl	DL		%		03/03/1999	dal	649	715	SW 8270B
Surrogate: d14-Terphenyl	DL Note		%		03/03/1999	dal	649	715	SW 8270B
BTEX-M 8020, Non-Aq									
Benzene	<5.0		ug/Kg	<5.0	03/03/1999	dal		210	SW 8020
Ethylbenzene	297		ug/Kg	<5.0	03/03/1999	dal		210	SW 8020
Toluene	<25		ug/Kg	<5.0	03/03/1999	dal		210	SW 8020

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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 522954	SAMPLE DESCRIPTION OPH A-5							DATE-TIME TAKEN 02/27/1999 09:25	
Xylenes, Total	150		ug/Kg	<5.0	03/03/1999	dal		210	SW 8020
Surrogate: BFB	65		%		03/03/1999	dal		210	SW 8020
TPH - FTIR Non-aq	16,100		mg/Kg	<10	03/03/1999	mem	531	527	SW 9073
SAMPLE NO. 522955	SAMPLE DESCRIPTION OPH C-5							DATE-TIME TAKEN 02/27/1999 13:45	
Prep, BNA Non-Aq	Complete			Complete	03/01/1999	lgh	649		EPA 625 ; SW 3540
Prep, TPH 418.1 Nonaq	Complete			Complete	03/02/1999	mem	531		SW 9071
PNA Non-Aq - 8270									
Acenaphthene	<16,500		ug/Kg	<16,500	03/03/1999	dal	649	715	SW 8270B
Acenaphthylene	<16,500		ug/Kg	<16,500	03/03/1999	dal	649	715	SW 8270B
Anthracene	<16,500		ug/Kg	<16,500	03/03/1999	dal	649	715	SW 8270B
Benzo(a)anthracene	<16,500		ug/Kg	<16,500	03/03/1999	dal	649	715	SW 8270B
Benzo(a)pyrene	<8,250		ug/Kg	<8,250	03/03/1999	dal	649	715	SW 8270B
Benzo(b)fluoranthene	<16,500		ug/Kg	<16,500	03/03/1999	dal	649	715	SW 8270B
Benzo(ghi)perylene	<16,500		ug/Kg	<16,500	03/03/1999	dal	649	715	SW 8270B
Benzo(k)fluoranthene	<16,500		ug/Kg	<16,500	03/03/1999	dal	649	715	SW 8270B
Chrysene	<16,500		ug/Kg	<16,500	03/03/1999	dal	649	715	SW 8270B
Dibenzo(a)anthracene	<8,250		ug/Kg	<8,250	03/03/1999	dal	649	715	SW 8270B
Fluoranthene	<16,500		ug/Kg	<16,500	03/03/1999	dal	649	715	SW 8270B
Fluorene	<16,500		ug/Kg	<16,500	03/03/1999	dal	649	715	SW 8270B
Indeno(123)pyrene	<16,500		ug/Kg	<16,500	03/03/1999	dal	649	715	SW 8270B

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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 522955	SAMPLE DESCRIPTION OPH C-5						DATE-TIME TAKEN 02/27/1999 13:45		
Naphthalene	<16,500		ug/Kg	<16,500	03/03/1999	dal	649	715	SW 8270B
Phenanthrene	<16,500		ug/Kg	<16,500	03/03/1999	dal	649	715	SW 8270B
Pyrene	<16,500		ug/Kg	<16,500	03/03/1999	dal	649	715	SW 8270B
Surrogate: d5-Nitrobenzene	DL		%		03/03/1999	dal	649	715	SW 8270B
Surrogate: 2-Fluorobiphenyl	DL		%		03/03/1999	dal	649	715	SW 8270B
Surrogate: d14-Terphenyl	DL Note		%		03/03/1999	dal	649	715	SW 8270B
BTEX-M 8020, Non-Aq									
Benzene	<5.0		ug/Kg	<5.0	03/03/1999	dal		210	SW 8020
Ethylbenzene	27.3		ug/Kg	<5.0	03/03/1999	dal		210	SW 8020
Toluene	<25		ug/Kg	<5.0	03/03/1999	dal		210	SW 8020
Xylenes, Total	40.8		ug/Kg	<5.0	03/03/1999	dal		210	SW 8020
Surrogate: BFB	89		%		03/03/1999	dal		210	SW 8020
TPH - FTIR Non-aq	8,670		mg/Kg	<10	03/03/1999	mem	531	527	SW 9073
SAMPLE NO. 522956	SAMPLE DESCRIPTION GAS A-5						DATE-TIME TAKEN 02/27/1999 16:00		
Prep, BNA Non-Aq	Complete			Complete	03/01/1999	lgh	649		EPA 625 ; SW 354
Prep, TPH 418.1 Nonaq	Complete			Complete	03/02/1999	mem	531		SW 9071
PNA Non-Aq - 8270									
Acenaphthene	<330		ug/Kg	<330	03/03/1999	jwr	649	716	SW 8270B
Acenaphthylene	<330		ug/Kg	<330	03/03/1999	jwr	649	716	SW 8270B
Anthracene	<330		ug/Kg	<330	03/03/1999	jwr	649	716	SW 8270B

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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 522956	SAMPLE DESCRIPTION GAS A-5							DATE-TIME TAKEN 02/27/1999 16:00	
Benzo(a)anthracene	<330		ug/Kg	<330	03/03/1999	jwr	649	716	SW 8270B
Benzo(a)pyrene	<165		ug/Kg	<165	03/03/1999	jwr	649	716	SW 8270B
Benzo(b)fluoranthene	<330		ug/Kg	<330	03/03/1999	jwr	649	716	SW 8270B
Benzo(ghi)perylene	<330		ug/Kg	<330	03/03/1999	jwr	649	716	SW 8270B
Benzo(k)fluoranthene	<330		ug/Kg	<330	03/03/1999	jwr	649	716	SW 8270B
Chrysene	<330		ug/Kg	<330	03/03/1999	jwr	649	716	SW 8270B
Dibenzo(a)anthracene	<165		ug/Kg	<165	03/03/1999	jwr	649	716	SW 8270B
Fluoranthene	<330		ug/Kg	<330	03/03/1999	jwr	649	716	SW 8270B
Fluorene	<330		ug/Kg	<330	03/03/1999	jwr	649	716	SW 8270B
Indeno(123)pyrene	<330		ug/Kg	<330	03/03/1999	jwr	649	716	SW 8270B
Naphthalene	<330		ug/Kg	<330	03/03/1999	jwr	649	716	SW 8270B
Phenanthrene	<330		ug/Kg	<330	03/03/1999	jwr	649	716	SW 8270B
Pyrene	<330		ug/Kg	<330	03/03/1999	jwr	649	716	SW 8270B
Surrogate: d5-Nitrobenzene	60		%		03/03/1999	jwr	649	716	SW 8270B
Surrogate: 2-Fluorobiphenyl	84		%		03/03/1999	jwr	649	716	SW 8270B
Surrogate: d14-Terphenyl	100		%		03/03/1999	jwr	649	716	SW 8270B
BTEX-M 8020, Non-Aq									
Benzene	<5.0		ug/Kg	<5.0	03/03/1999	dal		210	SW 8020
Ethylbenzene	<5.0		ug/Kg	<5.0	03/03/1999	dal		210	SW 8020
Toluene	<5.0		ug/Kg	<5.0	03/03/1999	dal		210	SW 8020
Xylenes, Total	6.2		ug/Kg	<5.0	03/03/1999	dal		210	SW 8020
Surrogate: BFB	103		%		03/03/1999	dal		210	SW 8020
TPH - FTIR Non-aq	<10		mg/Kg	<10	03/03/1999	mem	531	527	SW 9073

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ANALYTICAL REPORT

Mike Morris
EHS TECHNOLOGY GROUP, LLC
P. O. Box 3040
Miamisburg, OH 45343-3040

03/04/1999

Job Number: 99.02682

Client Project ID: Huffy/True Temper

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 522957	SAMPLE DESCRIPTION GAS A-5A							DATE-TIME TAKEN 02/27/1999 16:00	
Prep, BNA Non-Aq	Complete			Complete	03/01/1999	lgh	649		EPA 625 ; SW 354
Prep, TPH 418.1 Nonaq	Complete			Complete	03/02/1999	mem	531		SW 9071
PNA Non-Aq - 8270									
Acenaphthene	<330		ug/Kg	<330	03/03/1999	jwr	649	716	SW 8270B
Acenaphthylene	<330		ug/Kg	<330	03/03/1999	jwr	649	716	SW 8270B
Anthracene	<330		ug/Kg	<330	03/03/1999	jwr	649	716	SW 8270B
Benzo(a)anthracene	<330		ug/Kg	<330	03/03/1999	jwr	649	716	SW 8270B
Benzo(a)pyrene	<165		ug/Kg	<165	03/03/1999	jwr	649	716	SW 8270B
Benzo(b)fluoranthene	<330		ug/Kg	<330	03/03/1999	jwr	649	716	SW 8270B
Benzo(ghi)perylene	<330		ug/Kg	<330	03/03/1999	jwr	649	716	SW 8270B
Benzo(k)fluoranthene	<330		ug/Kg	<330	03/03/1999	jwr	649	716	SW 8270B
Chrysene	<330		ug/Kg	<330	03/03/1999	jwr	649	716	SW 8270B
Dibenzo(a)anthracene	<165		ug/Kg	<165	03/03/1999	jwr	649	716	SW 8270B
Fluoranthene	<330		ug/Kg	<330	03/03/1999	jwr	649	716	SW 8270B
Fluorene	<330		ug/Kg	<330	03/03/1999	jwr	649	716	SW 8270B
Indeno(123)pyrene	<330		ug/Kg	<330	03/03/1999	jwr	649	716	SW 8270B
Naphthalene	<330		ug/Kg	<330	03/03/1999	jwr	649	716	SW 8270B
Phenanthrene	<330		ug/Kg	<330	03/03/1999	jwr	649	716	SW 8270B
Pyrene	<330		ug/Kg	<330	03/03/1999	jwr	649	716	SW 8270B
Surrogate: d5-Nitrobenzene	74		%		03/03/1999	jwr	649	716	SW 8270B
Surrogate: 2-Fluorobiphenyl	99		%		03/03/1999	jwr	649	716	SW 8270B
Surrogate: d14-Terphenyl	109		%		03/03/1999	jwr	649	716	SW 8270B
BTEX-M 8020, Non-Aq									
Benzene	<5.0		ug/Kg	<5.0	03/03/1999	dal		210	SW 8020
Ethylbenzene	<5.0		ug/Kg	<5.0	03/03/1999	dal		210	SW 8020
Toluene	<5.0		ug/Kg	<5.0	03/03/1999	dal		210	SW 8020

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ANALYTICAL REPORT

Mike Morris
EHS TECHNOLOGY GROUP, LLC
P. O. Box 3040
Miamisburg, OH 45343-3040

03/04/1999

Job Number: 99.02682

Client Project ID: Huffy/True Temper

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 522957	SAMPLE DESCRIPTION GAS A-5A							DATE-TIME TAKEN 02/27/1999 16:00	
Xylenes, Total	<5.0		ug/Kg	<5.0	03/03/1999	dal		210	SW 8020
Surrogate: BFB	94		%		03/03/1999	dal		210	SW 8020
TPH - FTIR Non-aq	<10		mg/Kg	<10	03/03/1999	mem	531	527	SW 9073
SAMPLE NO. 522958	SAMPLE DESCRIPTION GASC-W							DATE-TIME TAKEN 02/25/1999 11:15	
Prep, TPH - 418.1 aq	Complete			Complete	03/01/1999	rrs	553		EPA 418.1
TPH - Method 418.1 (AQ)	<3		mg/L	<2	03/02/1999	mem	553	607	EPA 418.1

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ANALYTICAL REPORT

Mike Morris
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P. O. Box 3040
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03/04/1999

Job Number: 99.02682

Client Project ID: Huffy/True Temper

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 522958	SAMPLE DESCRIPTION GASC-W							DATE-TIME TAKEN 02/25/1999 11:15	
VOLATILES - M 602 AQUEOUS									
Benzene	<5.0		ug/L	<2.0	03/02/1999	dal		433	EPA 602
Ethylbenzene	<2.0		ug/L	<2.0	03/02/1999	dal		433	EPA 602
Toluene	<2.0		ug/L	<2.0	03/02/1999	dal		433	EPA 602
Xylenes, Total	2.2		ug/L	<2.0	03/02/1999	dal		433	EPA 602
Surrogate: BFB	96		%		03/02/1999	dal		433	EPA 602

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ANALYTICAL REPORT

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P. O. Box 3040
Miamisburg, OH 45343-3040

03/04/1999

Job Number: 99.02682

Client Project ID: Huffy/True Temper

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 522959	SAMPLE DESCRIPTION FIELD BLANK								DATE-TIME TAKEN 02/27/1999 16:15
Prep, Base Neutral	Complete			Complete	03/01/1999	lgh	927		EPA 625 ; SW 3510
PNA AQUEOUS - 8270									
Acenaphthene	<10		ug/L	<10	03/03/1999	jwr	927	13	SW 8270B
Acenaphthylene	<10		ug/L	<10	03/03/1999	jwr	927	13	SW 8270B
Anthracene	<10		ug/L	<10	03/03/1999	jwr	927	13	SW 8270B
Benzo(a)anthracene	<10		ug/L	<10	03/03/1999	jwr	927	13	SW 8270B
Benzo(a)pyrene	<10		ug/L	<10	03/03/1999	jwr	927	13	SW 8270B
Benzo(b)fluoranthene	<10		ug/L	<10	03/03/1999	jwr	927	13	SW 8270B
Benzo(ghi)perylene	<10		ug/L	<10	03/03/1999	jwr	927	13	SW 8270B
Benzo(k)fluoranthene	<10		ug/L	<10	03/03/1999	jwr	927	13	SW 8270B
Chrysene	<10		ug/L	<10	03/03/1999	jwr	927	13	SW 8270B
Dibenzo(ah)anthracene	<10		ug/L	<10	03/03/1999	jwr	927	13	SW 8270B
Fluoranthene	<10		ug/L	<10	03/03/1999	jwr	927	13	SW 8270B
Fluorene	<10		ug/L	<10	03/03/1999	jwr	927	13	SW 8270B
Indeno(123)pyrene	<10		ug/L	<10	03/03/1999	jwr	927	13	SW 8270B
Naphthalene	<10		ug/L	<10	03/03/1999	jwr	927	13	SW 8270B
Phenanthrene	<10		ug/L	<10	03/03/1999	jwr	927	13	SW 8270B
Pyrene	<10		ug/L	<10	03/03/1999	jwr	927	13	SW 8270B
Surrogate:d5-Nitrobenzene	64		%		03/03/1999	jwr	927	13	SW 8270B
Surrogate: 2-Fluorobiphenol	86		%		03/03/1999	jwr	927	13	SW 8270B
Surrogate: d14-Terphenyl	73		%		03/03/1999	jwr	927	13	SW 8270B

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ANALYTICAL REPORT

Mike Morris
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03/04/1999

Job Number: 99.02682

Client Project ID: Huffy/True Temper

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 522959	SAMPLE DESCRIPTION FIELD BLANK							DATE-TIME TAKEN 02/27/1999 16:15	
VOLATILES - M 602 AQUEOUS									
Benzene	<5.0		ug/L	<2.0	03/02/1999	dal		433	EPA 602
Ethylbenzene	<2.0		ug/L	<2.0	03/02/1999	dal		433	EPA 602
Toluene	<2.0		ug/L	<2.0	03/02/1999	dal		433	EPA 602
Xylenes, Total	<2.0		ug/L	<2.0	03/02/1999	dal		433	EPA 602
Surrogate: BFB	101		%		03/02/1999	dal		433	EPA 602

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ANALYTICAL REPORT

Mike Morris
EHS TECHNOLOGY GROUP, LLC
P. O. Box 3040
Miamisburg, OH 45343-3040

03/04/1999

Job Number: 99.02682

Client Project ID: Huffy/True Temper

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 522960	SAMPLE DESCRIPTION OPHA-W								DATE-TIME TAKEN 02/27/1999 13:40
Prep, Base Neutral	Complete			Complete	03/01/1999	lgh	927		EPA 625 ; SW 3510
Prep, TPH - 418.1 aq	Complete			Complete	03/01/1999	rrs	553		EPA 418.1
PNA AQUEOUS - 8270									
Acenaphthene	<500		ug/L	<500	03/03/1999	dal	927	12	SW 8270B
Acenaphthylene	<500		ug/L	<500	03/03/1999	dal	927	12	SW 8270B
Anthracene	<500		ug/L	<500	03/03/1999	dal	927	12	SW 8270B
Benzo(a)anthracene	<500		ug/L	<500	03/03/1999	dal	927	12	SW 8270B
Benzo(a)pyrene	<500		ug/L	<500	03/03/1999	dal	927	12	SW 8270B
Benzo(b)fluoranthene	<500		ug/L	<500	03/03/1999	dal	927	12	SW 8270B
Benzo(ghi)perylene	<500		ug/L	<500	03/03/1999	dal	927	12	SW 8270B
Benzo(k)fluoranthene	<500		ug/L	<500	03/03/1999	dal	927	12	SW 8270B
Chrysene	<500		ug/L	<500	03/03/1999	dal	927	12	SW 8270B
Dibenzo(ah)anthracene	<500		ug/L	<500	03/03/1999	dal	927	12	SW 8270B
Fluoranthene	<500		ug/L	<500	03/03/1999	dal	927	12	SW 8270B
Fluorene	<500		ug/L	<500	03/03/1999	dal	927	12	SW 8270B
Indeno(123)pyrene	<500		ug/L	<500	03/03/1999	dal	927	12	SW 8270B
Naphthalene	<500		ug/L	<500	03/03/1999	dal	927	12	SW 8270B
Phenanthrene	<500		ug/L	<500	03/03/1999	dal	927	12	SW 8270B
Pyrene	<500		ug/L	<500	03/03/1999	dal	927	12	SW 8270B
Surrogate:d5-Nitrobenzene	DL		%		03/03/1999	dal	927	12	SW 8270B
Surrogate: 2-Fluorobiphenol	DL		%		03/03/1999	dal	927	12	SW 8270B
Surrogate: d14-Terphenyl	DL Note		%		03/03/1999	dal	927	12	SW 8270B
TPH - Method 418.1 (AQ)	74		mg/L	<2	03/02/1999	mem	553	607	EPA 418.1

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ANALYTICAL REPORT

Mike Morris
EHS TECHNOLOGY GROUP, LLC
P. O. Box 3040
Miamisburg, OH 45343-3040

03/04/1999

Job Number: 99.02682

Client Project ID: Huffy/True Temper

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 522960	SAMPLE DESCRIPTION OPHA-W							DATE-TIME TAKEN 02/27/1999 13:40	
VOLATILES - M 602 AQUEOUS									
Benzene	<5.0		ug/L	<2.0	03/02/1999	dal		433	EPA 602
Ethylbenzene	<2.0		ug/L	<2.0	03/02/1999	dal		433	EPA 602
Toluene	<2.0		ug/L	<2.0	03/02/1999	dal		433	EPA 602
Xylenes, Total	8.6		ug/L	<2.0	03/02/1999	dal		433	EPA 602
Surrogate: BFB	105		%		03/02/1999	dal		433	EPA 602

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CLIENT: EHS Technology Group
CLIENT'S SAMPLE ID: OPH-W3d
AES sample #: 990316 B05
Samples taken by: M. Morris
MATRIX: Water
Date Sampled: 03/15/99
Date sample received: 03/16/99
Location: Huffy/True Temp
grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Benzene	EPA-602	<0.5	ug/l	SO-D	03/16/99
Toluene	EPA-602	<1	ug/l	SO-D	03/16/99
Ethylbenzene	EPA-602	<1	ug/l	SO-D	03/16/99
Xylenes, Total	EPA-602	1	ug/l	SO-D	03/16/99
TPH-D	EPA-8015 MODIFI	11000	mg/l	TN-MIS-F07	03/17/99

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QUALITY CONTROL FLAG DEFINITIONS

Job Number: 99.02682

(*) Indicates an out-of-control QC. The analytical data was reported based on other supporting quality control information.

(MS) Indicates that the Matrix Spike (MS) was out of statistical advisory limits.

(MSD) Indicates that the Matrix Spike Duplicate (MSD) was out of statistical advisory limits.

(RPD) Indicates that the Relative Percent Difference (RPD) for the MS/MSD pair was outside of statistical advisory limits.

(SS) Indicates that the MS and MSD were out of statistical advisory limits.

(SSR) Indicates that the MS, MSD and RPD were out of statistical advisory limits.

(MSR) Indicates that the MS and RPD were out of statistical advisory limits.

(MSDR) Indicates that the MSD and RPD were out of statistical advisory limits.

(DL) Indicates that the MS and MSD were diluted out and the percent recoveries of the spikes could not be calculated.

(LS) Indicates that statistical accuracy and precision data is not available for spike concentrations which are < 1/4 of the sample amount. Care should be used in interpreting this data.

(J) Indicates estimated concentration due to internal standard areas or surrogate recoveries outside of control limits. A sample matrix effect is usually indicated.

(DW) Indicates Dry Weight.

Analytical Reporting Limits

The reporting limits listed for non-aqueous samples in the analytical report section are Practical Quantitation Limits (PQLs). These PQLs are based upon a typical standard weight used for a non-aqueous sample. The reporting limit for a sample may be different from the PQL listed depending upon the actual weight of sample used, the samples moisture content and any dilutions used during the analysis.

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NOTES AND COMMENTS

NET Job Number: 99.02682

Sample Number: 522953, 522960

Analysis: 8270 PNA

The elevated reporting limits are a result of matrix interferences which caused the internal standard recoveries to be below the recommended acceptance limits and also the high level of 2-Methylnapthalene found in the the sample.

Sample Number: 522955, 522954

Analysis: 8270 PNA

The elevated reporting limits are a result of matrix interferences which caused the internal standard recoveries to be below the recommended acceptance limits and also the high level of non-target analytes in the sample.

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LABORATORY REPORT

for

EHS Technology Group
P.O. Box 3040
Miamisburg, OH 45343 3040

Attention: Michael Morris

RECEIVED
MAR 22 1999

PJ: H99019f
Purchase Order #: H99019f-2

CC: John Ey

Report date: 03/18/99
Number of samples analyzed: 12
AES Project ID: 990316 B
Invoice #: 198162

ELAP ID#: 10709

AIHA ID#: 7866

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CLIENT: EHS Technology Group
CLIENT'S SAMPLE ID: Gas D6
AES sample #: 990316 B01
Samples taken by: M. Morris
MATRIX: Soil
Date Sampled: 03/13/99
Date sample received: 03/16/99
Location: Huffy/True Temp grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Benzene	EPA-8021	<10	ug/kg	SO-A	03/16/99
Toluene	EPA-8021	<20	ug/kg	SO-A	03/16/99
Ethylbenzene	EPA-8021	<20	ug/kg	SO-A	03/16/99
Xylenes, Total	EPA-8021	<20	ug/kg	SO-A	03/16/99
TPH-D	EPA-8015 MODIFI	<10	ug/g	TN-MIS-F07	03/16/99

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CLIENT: EHS Technology Group
CLIENT'S SAMPLE ID: OPH-W1
AES sample #: 990316 B02

Date Sampled: 03/15/99
Date sample received: 03/16/99

Samples taken by: M. Morris
MATRIX: Water

Location: Huffy/True Temp
grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Benzene	EPA-602	<0.5	ug/l	SO-C	03/16/99
Toluene	EPA-602	<1	ug/l	SO-C	03/16/99
Ethylbenzene	EPA-602	<1	ug/l	SO-C	03/16/99
Xylenes, Total	EPA-602	3	ug/l	SO-C	03/16/99
TPH-D	EPA-8015 MODIFI	12000	mg/l	TN-MIS-F07	03/17/99

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CLIENT: EHS Technology Group
CLIENT'S SAMPLE ID: OPH-W2
AES sample #: 990316 B03
Samples taken by: M. Morris
MATRIX: Water
Date Sampled: 03/15/99
Date sample received: 03/16/99
Location: Huffy/True Temp
grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Benzene	EPA-602	<0.5	ug/l	SO-C	03/16/99
Toluene	EPA-602	<1	ug/l	SO-C	03/16/99
Ethylbenzene	EPA-602	<1	ug/l	SO-C	03/16/99
Xylenes, Total	EPA-602	11	ug/l	SO-C	03/16/99
TPH-D	EPA-8015 MODIFI	43000	mg/l	TN-MIS-F07	03/17/99

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CLIENT: EHS Technology Group
CLIENT'S SAMPLE ID: OPH-W3
AES sample #: 990316 B04
Samples taken by: M. Morris
MATRIX: Water
Date Sampled: 03/15/99
Date sample received: 03/16/99
Location: Huffy/True Temp
grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Benzene	EPA-602	<0.5	ug/l	SO-C	03/16/99
Toluene	EPA-602	<1	ug/l	SO-C	03/16/99
Ethylbenzene	EPA-602	<1	ug/l	SO-C	03/16/99
Xylenes, Total	EPA-602	<1	ug/l	SO-C	03/16/99
TPH-D	EPA-8015 MODIFI	16000	mg/l	TN-MIS-F07	03/17/99

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CLIENT: EHS Technology Group
CLIENT'S SAMPLE ID: OPH-W3d
AES sample #: 990316 B05
Samples taken by: M. Morris
MATRIX: Water
Date Sampled: 03/15/99
Date sample received: 03/16/99
Location: Huffy/True Temp
grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Benzene	EPA-602	<0.5	ug/l	SO-D	03/16/99
Toluene	EPA-602	<1	ug/l	SO-D	03/16/99
Ethylbenzene	EPA-602	<1	ug/l	SO-D	03/16/99
Xylenes, Total	EPA-602	1	ug/l	SO-D	03/16/99
TPH-D	EPA-8015 MODIFI	11000	mg/l	TN-MIS-F07	03/17/99

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CLIENT: EHS Technology Group
CLIENT'S SAMPLE ID: OPH-W4
AES sample #: 990316 B06
Samples taken by: M. Morris
MATRIX: Water
Date Sampled: 03/15/99
Date sample received: 03/16/99
Location: Huffy/True Temp
grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Benzene	EPA-602	<0.5	ug/l	SO-D	03/16/99
Toluene	EPA-602	<1	ug/l	SO-D	03/16/99
Ethylbenzene	EPA-602	<1	ug/l	SO-D	03/16/99
Xylenes, Total	EPA-602	<1	ug/l	SO-D	03/16/99
TPH-D	EPA-8015 MODIFI	870	mg/l	TN-MIS-F07	03/17/99

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CLIENT: EHS Technology Group
CLIENT'S SAMPLE ID: OPH-WFB
AES sample #: 990316 B07
Samples taken by: M. Morris
MATRIX: Water
Date Sampled: 03/15/99
Date sample received: 03/16/99
Location: Huffy/True Temp
grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Benzene	EPA-602	<0.5	ug/l	SO-D	03/16/99
Toluene	EPA-602	<1	ug/l	SO-D	03/16/99
Ethylbenzene	EPA-602	<1	ug/l	SO-D	03/16/99
Xylenes, Total	EPA-602	<1	ug/l	SO-D	03/16/99
TPH-D	EPA-8015 MODIFI	<1	mg/l	TN-MIS-F07	03/17/99

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CLIENT: EHS Technology Group
CLIENT'S SAMPLE ID: TB
AES sample #: 990316 B08
Samples taken by: M. Morris
MATRIX: Water
Date Sampled: 03/15/99
Date sample received: 03/16/99
Location: Huffy/True Temp
grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Benzene	EPA-602	<0.5	ug/l	SO-D	03/16/99
Toluene	EPA-602	<1	ug/l	SO-D	03/16/99
Ethylbenzene	EPA-602	<1	ug/l	SO-D	03/16/99
Xylenes, Total	EPA-602	<1	ug/l	SO-D	03/16/99

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CLIENT: EHS Technology Group
CLIENT'S SAMPLE ID: OPH D5
AES sample #: 990316 B09
Samples taken by: M. Morris
MATRIX: Soil
Date Sampled: 03/11/99
Date sample received: 03/16/99
Location: Huffy/True Temp
grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Benzene	EPA-8021	<100	ug/kg	SO-A	03/16/99
Toluene	EPA-8021	<200	ug/kg	SO-A	03/16/99
Ethylbenzene	EPA-8021	<200	ug/kg	SO-A	03/16/99
Xylenes, Total	EPA-8021	<200	ug/kg	SO-A	03/16/99
TPH-D	EPA-8015 MODIFI	990	ug/g	TN-MIS-F07	03/16/99

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CLIENT: EHS Technology Group
CLIENT'S SAMPLE ID: OPH G7
AES sample #: 990316 B10
Samples taken by: M. Morris
MATRIX: Soil
Date Sampled: 03/15/99
Date sample received: 03/16/99
Location: Huffy/True Temp
grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Benzene	EPA-8021	<100	ug/kg	SO-A	03/16/99
Toluene	EPA-8021	<200	ug/kg	SO-A	03/16/99
Ethylbenzene	EPA-8021	<200	ug/kg	SO-A	03/16/99
Xylenes, Total	EPA-8021	<200	ug/kg	SO-A	03/16/99
TPH-D	EPA-8015 MODIFI	3400	ug/g	TN-MIS-F07	03/16/99

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CLIENT: EHS Technology Group
CLIENT'S SAMPLE ID: OPH H7
AES sample #: 990316 B11
Samples taken by: M. Morris
MATRIX: Soil
Date Sampled: 03/15/99
Date sample received: 03/16/99
Location: Huffy/True Temp grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Benzene	EPA-8021	<100	ug/kg	SO-C	03/16/99
Toluene	EPA-8021	<200	ug/kg	SO-C	03/16/99
Ethylbenzene	EPA-8021	<200	ug/kg	SO-C	03/16/99
Xylenes, Total	EPA-8021	<200	ug/kg	SO-C	03/16/99
TPH-D	EPA-8015 MODIFI	1100	ug/g	TN-MIS-F07	03/16/99

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CLIENT: EHS Technology Group
CLIENT'S SAMPLE ID: OPH I5
AES sample #: 990316 B12
Samples taken by: M. Morris
MATRIX: Soil
Date Sampled: 03/15/99
Date sample received: 03/16/99
Location: Huffy/True Temp
grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Benzene	EPA-8021	<100	ug/kg	SO-C	03/16/99
Toluene	EPA-8021	<200	ug/kg	SO-C	03/16/99
Ethylbenzene	EPA-8021	<200	ug/kg	SO-C	03/16/99
Xylenes, Total	EPA-8021	450	ug/kg	SO-C	03/16/99
TPH-D	EPA-8015 MODIFI	7700	ug/g	TN-MIS-F07	03/17/99

APPROVED BY: Lara Dole
Report date: 03/18/99

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ANALYTICAL AND QUALITY CONTROL REPORT

Mike Morris
EHS TECHNOLOGY GROUP, LLC
P. O. Box 3040
Miamisburg, OH 45343-3040

06/09/1999

Job Number: 99.08081

Enclosed is the Analytical and Quality Control reports for the following samples submitted to the Dayton Division of TestAmerica, Inc. for analysis:

Sample Number	Sample Description	Date Taken	Date Received
538357	Trip Blank		05/24/1999
538358	OPH-MR	05/21/1999	05/24/1999
538359	OPH-LW	05/21/1999	05/24/1999
538360	OPH-MW	05/19/1999	05/24/1999
538361	OPH-K-12	05/19/1999	05/24/1999
538362	OPH-J 8-12	05/19/1999	05/24/1999
538363	OPH-Q 8-12	05/19/1999	05/24/1999
538364	OPH-P 10-12	05/20/1999	05/24/1999
538365	OPH-Oil	05/19/1999	05/24/1999
538366	OPH-R 8-10	05/20/1999	05/24/1999
538367	OPH-J 8-12	05/19/1999	05/24/1999
538368	OPH-OW	05/20/1999	05/24/1999
538369	OPH-KW	05/19/1999	05/24/1999
538370	OPH-JW	05/19/1999	05/24/1999
538371	MW1	05/20/1999	05/24/1999
538372	MW2	05/20/1999	05/24/1999
538373	MW3	05/20/1999	05/24/1999
538374	MW4	05/20/1999	05/24/1999
538375	Trip Blank		05/24/1999

The Quality Control report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

TestAmerica, Inc. certifies that the analytical results contained herein apply only to the specific samples analyzed.

Reproduction of this analytical report is permitted only in its entirety.

Enclosure

Approved By

3601 SOUTH DIXIE DRIVE / DAYTON, OH 45439 / 937-294-6856 / FAX: 937-294-7816

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ANALYTICAL REPORT

Mike Morris
EHS TECHNOLOGY GROUP, LLC
P. O. Box 3040
Miamisburg, OH 45343-3040

06/09/1999

Job Number: 99.08081

Client Project ID: SOIL/WATERS

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 538357	SAMPLE DESCRIPTION Trip Blank						DATE-TIME TAKEN		
BTEX- M 8020, AQUEOUS									
Benzene	<2.0		ug/L	<2.0	05/27/1999	jpf		447	SW 8020
Ethylbenzene	<2.0		ug/L	<2.0	05/27/1999	jpf		447	SW 8020
Toluene	<2.0		ug/L	<2.0	05/27/1999	jpf		447	SW 8020
Xylenes, Total	<2.0		ug/L	<2.0	05/27/1999	jpf		447	SW 8020
Surrogate: BFB	83		%		05/27/1999	jpf		447	SW 8020
SAMPLE NO. 538358	SAMPLE DESCRIPTION OPH-MR						DATE-TIME TAKEN 05/21/1999 07:00		
Prep, Base Neutral	Complete			Complete	05/26/1999	mra	954		EPA 625 ; SW 3510B
Prep, Acid Extractable	Complete			Complete	05/26/1999	mra	954		EPA 625 ; SW 3510B

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ANALYTICAL REPORT

Mike Morris
EHS TECHNOLOGY GROUP, LLC
P. O. Box 3040
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06/09/1999

Job Number: 99.08081

Client Project ID: SOIL/WATERS

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 538358	SAMPLE DESCRIPTION OPH-MR							DATE-TIME TAKEN 05/21/1999 07:00	
BASE NEUTRAL COMP. (AQ) 8270									
Acenaphthene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Acenaphthylene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Anthracene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Benzo(a)anthracene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Benzo(b)fluoranthene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Benzo(k)fluoranthene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Benzo(a)pyrene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Benzo(ghi)perylene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Benzyl alcohol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Benzyl butyl phthalate	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
bis(2-Chloroethyl)ether	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
bis(2-Chloroethoxy)methane	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
bis(2-Ethylhexyl)phthalate	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
2,2'-oxybis(1-Chloropropane)	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
4-Bromophenyl phenyl ether	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
4-Chloroaniline	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
2-Chloronaphthalene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
4-Chlorophenylphenyl ether	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Chrysene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Dibenzo(a,h)anthracene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Dibenzofuran	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Di-n-butylphthalate	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
1,2-Dichlorobenzene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
1,3-Dichlorobenzene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
1,4-Dichlorobenzene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B

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ANALYTICAL REPORT

Mike Morris
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06/09/1999

Job Number: 99.08081

Client Project ID: SOIL/WATERS

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 538358	SAMPLE DESCRIPTION OPH-MR							DATE-TIME TAKEN 05/21/1999 07:00	
3,3'-Dichlorobenzidine	<50		ug/L	<50	05/28/1999	jwr	954	1811	SW 8270B
Diethyl phthalate	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Dimethyl phthalate	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
2,4-Dinitrotoluene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
2,6-Dinitrotoluene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Di-n-octylphthalate	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Fluoranthene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Fluorene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Hexachlorobenzene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Hexachloro-1,3-butadiene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Hexachlorocyclopentadiene	<20		ug/L	<20	05/28/1999	jwr	954	1811	SW 8270B
Hexachloroethane	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Indeno(1,2,3-cd)pyrene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Isophorone	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Naphthalene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Nitrobenzene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
N-Nitrosodi-n-propylamine	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Phenanthrene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Pyrene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
1,2,4-Trichlorobenzene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Surrogate: d5-Nitrobenzene	84		%		05/28/1999	jwr	954	1811	SW 8270B
Surrogate: 2-Fluorobiphenyl	82		%		05/28/1999	jwr	954	1811	SW 8270B
Surrogate: d14-Terphenyl	86		%		05/28/1999	jwr	954	1811	SW 8270B

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ANALYTICAL REPORT

Mike Morris
EHS TECHNOLOGY GROUP, LLC
P. O. Box 3040
Miamisburg, OH 45343-3040

06/09/1999

Job Number: 99.08081

Client Project ID: SOIL/WATERS

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 538358	SAMPLE DESCRIPTION OPH-MR							DATE-TIME TAKEN 05/21/1999 07:00	
ACID COMPOUNDS (AQ) 8270									
Benzoic acid	<50		ug/L	<50	05/28/1999	jwr	954	1811	SW 8270B
4-Chloro-3-methylphenol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
2-Chlorophenol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
2,4-Dichlorophenol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
2,4-Dimethylphenol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
2,4-Dinitrophenol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
2-Methyl-4,6-dinitrophenol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
2-Methylphenol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
meta & para-Methylphenol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
2-Nitrophenol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
4-Nitrophenol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Pentachlorophenol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Phenol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
2,4,5-Trichlorophenol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
2,4,6-Trichlorophenol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Surrogate: d6-Phenol	60		%		05/28/1999	jwr	954	1811	SW 8270B
Surrogate: 2-Fluorophenol	60		%		05/28/1999	jwr	954	1811	SW 8270B
Surrogate: Tribromophenol	64		%		05/28/1999	jwr	954	1811	SW 8270B

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ANALYTICAL REPORT

Mike Morris
EHS TECHNOLOGY GROUP, LLC
P. O. Box 3040
Miamisburg, OH 45343-3040

06/09/1999

Job Number: 99.08081

Client Project ID: SOIL/WATERS

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 538358	SAMPLE DESCRIPTION OPH-MR							DATE-TIME TAKEN 05/21/1999 07:00	
BTEX- M 8020, AQUEOUS									
Benzene	<2.0		ug/L	<2.0	05/27/1999	jpf		447	SW 8020
Ethylbenzene	<2.0		ug/L	<2.0	05/27/1999	jpf		447	SW 8020
Toluene	<2.0		ug/L	<2.0	05/27/1999	jpf		447	SW 8020
Xylenes, Total	<2.0		ug/L	<2.0	05/27/1999	jpf		447	SW 8020
Surrogate: BFB	84		%		05/27/1999	jpf		447	SW 8020
SAMPLE NO. 538359	SAMPLE DESCRIPTION OPH-LW							DATE-TIME TAKEN 05/21/1999 14:20	
Prep, Base Neutral	Complete			Complete	05/26/1999	mra	954		EPA 625 ; SW 3510
Prep, Acid Extractable	Complete			Complete	05/26/1999	mra	954		EPA 625 ; SW 3510

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ANALYTICAL REPORT

Mike Morris
EHS TECHNOLOGY GROUP, LLC
P. O. Box 3040
Miamisburg, OH 45343-3040

06/09/1999

Job Number: 99.08081

Client Project ID: SOIL/WATERS

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 538359	SAMPLE DESCRIPTION OPH-LW								DATE-TIME TAKEN 05/21/1999 14:20
BASE NEUTRAL COMP. (AQ) 8270									
Acenaphthene	<500		ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B
Acenaphthylene	<500		ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B
Anthracene	546		ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B
Benzo(a)anthracene	<500		ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B
Benzo(b)fluoranthene	<500		ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B
Benzo(k)fluoranthene	<500		ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B
Benzo(a)pyrene	<500		ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B
Benzo(ghi)perylene	<500		ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B
Benzyl alcohol	<500		ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B
Benzyl butyl phthalate	<500		ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B
bis(2-Chloroethyl)ether	<500		ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B
bis(2-Chloroethoxy)methane	<500		ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B
bis(2-Ethylhexyl)phthalate	<500		ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B
2,2'-oxybis(1-Chloropropane)	<500		ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B
4-Bromophenyl phenyl ether	<500		ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B
4-Chloroaniline	<500		ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B
2-Chloronaphthalene	<500		ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B
4-Chlorophenylphenyl ether	<500		ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B
Chrysene	<500		ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B
Dibenzo(a,h)anthracene	<500		ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B
Dibenzofuran	<500		ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B
Di-n-butylphthalate	<500		ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B
1,2-Dichlorobenzene	<500		ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B
1,3-Dichlorobenzene	<500		ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B
1,4-Dichlorobenzene	<500		ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B

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ANALYTICAL REPORT

Mike Morris
EHS TECHNOLOGY GROUP, LLC
P. O. Box 3040
Miamisburg, OH 45343-3040

06/09/1999

Job Number: 99.08081

Client Project ID: SOIL/WATERS

SAMPLE NO. 538359 — SAMPLE DESCRIPTION OPH-LW — DATE-TIME TAKEN 05/21/1999 14:20

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
3,3'-Dichlorobenzidine	<2,500		ug/L	<2,500	05/29/1999	jwr	954	1811	SW 8270B
Diethyl phthalate	<500		ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B
Dimethyl phthalate	<500		ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B
2,4-Dinitrotoluene	<500		ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B
2,6-Dinitrotoluene	<500		ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B
Di-n-octylphthalate	<500		ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B
Fluoranthene	<500		ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B
Fluorene	898	-	ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B
Hexachlorobenzene	<500		ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B
Hexachloro-1,3-butadiene	<500		ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B
Hexachlorocyclopentadiene	<1,000		ug/L	<1,000	05/29/1999	jwr	954	1811	SW 8270B
Hexachloroethane	<500		ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B
Indeno(1,2,3-cd)pyrene	<500		ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B
Isophorone	<500		ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B
Naphthalene	<500		ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B
Nitrobenzene	<500		ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B
N-Nitrosodi-n-propylamine	<500		ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B
Phenanthrene	1450	-	ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B
Pyrene	<500		ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B
1,2,4-Trichlorobenzene	<500		ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B
Surrogate: d5-Nitrobenzene	DL		%		05/29/1999	jwr	954	1811	SW 8270B
Surrogate: 2-Fluorobiphenyl	DL		%		05/29/1999	jwr	954	1811	SW 8270B
Surrogate: d14-Terphenyl	DL		%		05/29/1999	jwr	954	1811	SW 8270B

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ANALYTICAL REPORT

Mike Morris
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06/09/1999

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Client Project ID: SOIL/WATERS

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 538359	SAMPLE DESCRIPTION OPH-LW							DATE-TIME TAKEN 05/21/1999 14:20	
ACID COMPOUNDS (AQ) 8270									
Benzoic acid	<2,500		ug/L	<2,500	05/29/1999	jwr	954	1811	SW 8270B
4-Chloro-3-methylphenol	<500		ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B
2-Chlorophenol	<500		ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B
2,4-Dichlorophenol	<500		ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B
2,4-Dimethylphenol	<500		ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B
2,4-Dinitrophenol	<500		ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B
2-Methyl-4,6-dinitrophenol	<500		ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B
2-Methylphenol	<500		ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B
meta & para-Methylphenol	<500		ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B
2-Nitrophenol	<500		ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B
4-Nitrophenol	<500		ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B
Pentachlorophenol	<500		ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B
Phenol	<500		ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B
2,4,5-Trichlorophenol	<500		ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B
2,4,6-Trichlorophenol	<500		ug/L	<500	05/29/1999	jwr	954	1811	SW 8270B
Surrogate: d6-Phenol	DL		%		05/29/1999	jwr	954	1811	SW 8270B
Surrogate: 2-Fluorophenol	DL		%		05/29/1999	jwr	954	1811	SW 8270B
Surrogate: Tribromophenol	DL		%		05/29/1999	jwr	954	1811	SW 8270B

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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 538359	SAMPLE DESCRIPTION OPH-LW						DATE-TIME TAKEN 05/21/1999 14:20		
BTEX- M 8020, AQUEOUS									
Benzene	<2.0		ug/L	<2.0	06/03/1999	jpf		451	SW 8020
Ethylbenzene	<2.0		ug/L	<2.0	06/03/1999	jpf		451	SW 8020
Toluene	<2.0		ug/L	<2.0	06/03/1999	jpf		451	SW 8020
Xylenes, Total	4.8		ug/L	<2.0	06/03/1999	jpf		451	SW 8020
Surrogate: BFB	104		%		06/03/1999	jpf		451	SW 8020
SAMPLE NO. 538360	SAMPLE DESCRIPTION OPH-MW						DATE-TIME TAKEN 05/19/1999 16:10		
Prep, Base Neutral	Complete			Complete	05/25/1999	mra	952		EPA 625 ; SW 3510B
Prep, Acid Extractable	Complete			Complete	05/25/1999	mra	952		EPA 625 ; SW 3510B

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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 538360	SAMPLE DESCRIPTION OPH-MW							DATE-TIME TAKEN 05/19/1999 16:10	
BASE NEUTRAL COMP. (AQ) 8270									
Acenaphthene	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Acenaphthylene	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Anthracene	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Benzo(a)anthracene	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Benzo(b)fluoranthene	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Benzo(k)fluoranthene	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Benzo(a)pyrene	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Benzo(ghi)perylene	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Benzyl alcohol	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Benzyl butyl phthalate	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
bis(2-Chloroethyl)ether	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
bis(2-Chloroethoxy)methane	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
bis(2-Ethylhexyl)phthalate	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
2,2'-oxybis(1-Chloropropane)	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
4-Bromophenyl phenyl ether	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
4-Chloroaniline	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
2-Chloronaphthalene	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
4-Chlorophenylphenyl ether	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Chrysene	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Dibenzo(a,h)anthracene	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Dibenzofuran	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Di-n-butylphthalate	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
1,2-Dichlorobenzene	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
1,3-Dichlorobenzene	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
1,4-Dichlorobenzene	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B

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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 538360	SAMPLE DESCRIPTION OPH-MW							DATE-TIME TAKEN 05/19/1999 16:10	
3,3'-Dichlorobenzidine	<50		ug/L	<50	05/27/1999	jwr	952	1807	SW 8270B
Diethyl phthalate	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Dimethyl phthalate	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
2,4-Dinitrotoluene	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
2,6-Dinitrotoluene	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Di-n-octylphthalate	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Fluoranthene	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Fluorene	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Hexachlorobenzene	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Hexachloro-1,3-butadiene	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Hexachlorocyclopentadiene	<20		ug/L	<20	05/27/1999	jwr	952	1807	SW 8270B
Hexachloroethane	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Indeno(1,2,3-cd)pyrene	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Isophorone	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Naphthalene	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Nitrobenzene	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
N-Nitrosodi-n-propylamine	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Phenanthrene	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Pyrene	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
1,2,4-Trichlorobenzene	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Surrogate: d5-Nitrobenzene	92		%		05/27/1999	jwr	952	1807	SW 8270B
Surrogate: 2-Fluorobiphenyl	82		%		05/27/1999	jwr	952	1807	SW 8270B
Surrogate: d14-Terphenyl	68		%		05/27/1999	jwr	952	1807	SW 8270B

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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 538360	SAMPLE DESCRIPTION OPH-MW							DATE-TIME TAKEN 05/19/1999 16:10	
ACID COMPOUNDS (AQ) 8270									
Benzoic acid	<50		ug/L	<50	05/27/1999	jwr	952	1807	SW 8270B
4-Chloro-3-methylphenol	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
2-Chlorophenol	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
2,4-Dichlorophenol	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
2,4-Dimethylphenol	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
2,4-Dinitrophenol	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
2-Methyl-4,6-dinitrophenol	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
2-Methylphenol	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
meta & para-Methylphenol	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
2-Nitrophenol	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
4-Nitrophenol	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Pentachlorophenol	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Phenol	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
2,4,5-Trichlorophenol	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
2,4,6-Trichlorophenol	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Surrogate: d6-Phenol	80		%		05/27/1999	jwr	952	1807	SW 8270B
Surrogate: 2-Fluorophenol	73		%		05/27/1999	jwr	952	1807	SW 8270B
Surrogate: Tribromophenol	66 note		%		05/27/1999	jwr	952	1807	SW 8270B

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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 538360	SAMPLE DESCRIPTION OPH-MW							DATE-TIME TAKEN 05/19/1999 16:10	
BTEX- M 8020, AQUEOUS									
Benzene	<2.0		ug/L	<2.0	05/27/1999	jpf		447	SW 8020
Ethylbenzene	<2.0		ug/L	<2.0	05/27/1999	jpf		447	SW 8020
Toluene	<2.0		ug/L	<2.0	05/27/1999	jpf		447	SW 8020
Xylenes, Total	<2.0		ug/L	<2.0	05/27/1999	jpf		447	SW 8020
Surrogate: BFB	85		%		05/27/1999	jpf		447	SW 8020
SAMPLE NO. 538361	SAMPLE DESCRIPTION OPH-K-12							DATE-TIME TAKEN 05/19/1999 11:00	
BTEX-M 8020, Non-Aq									
Benzene	<5.0		ug/Kg	<5.0	05/26/1999	jpf		229	SW 8020
Ethylbenzene	<5.0		ug/Kg	<5.0	05/26/1999	jpf		229	SW 8020
Toluene	<5.0		ug/Kg	<5.0	05/26/1999	jpf		229	SW 8020
Xylenes, Total	<5.0		ug/Kg	<5.0	05/26/1999	jpf		229	SW 8020
Surrogate: BFB	87		%		05/26/1999	jpf		229	SW 8020

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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 538362	SAMPLE DESCRIPTION OPH-J 8-12								DATE-TIME TAKEN 05/19/1999 14:00
BTEX-M 8020, Non-Aq									
Benzene	<250		ug/Kg	<250	06/02/1999	jpf		230	SW 8020
Ethylbenzene	3,920	--	ug/Kg	<250	06/02/1999	jpf		230	SW 8020
Toluene	<250		ug/Kg	<250	06/02/1999	jpf		230	SW 8020
Xylenes, Total	800	--	ug/Kg	<250	06/02/1999	jpf		230	SW 8020
Surrogate: BFB	143	note	%		06/02/1999	jpf		230	SW 8020
SAMPLE NO. 538363	SAMPLE DESCRIPTION OPH-Q 8-12								DATE-TIME TAKEN 05/19/1999 12:00
Prep, TPH GC/FID Nonaq	Complete			Complete	05/28/1999	sub	80		
TPH - GC/FID DRO Non-Aqueous	1,280	--	mg/Kg	<10	05/30/1999	sub	80	106	Mod. 8015
SAMPLE NO. 538364	SAMPLE DESCRIPTION OPH-P 10-12								DATE-TIME TAKEN 05/20/1999 11:00
BTEX-M 8020, Non-Aq									
Benzene	<5.0		ug/Kg	<5.0	05/26/1999	jpf		229	SW 8020
Ethylbenzene	648	--	ug/Kg	<25	05/26/1999	jpf		229	SW 8020
Toluene	112		ug/Kg	<25	05/26/1999	jpf		229	SW 8020

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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 538364	SAMPLE DESCRIPTION OPH-P 10-12							DATE-TIME TAKEN 05/20/1999 11:00	
Xylenes, Total	<25		ug/Kg	<25	05/26/1999	jpf		229	SW 8020
Surrogate: BFB	403 note		%		05/26/1999	jpf		229	SW 8020
SAMPLE NO. 538365	SAMPLE DESCRIPTION OPH-Oil							DATE-TIME TAKEN 05/19/1999 13:00	
Prep, TPH GC/FID Nonaq	Complete			Complete	05/28/1999	sub	80		
TPH - GC/FID DRO Non-Aqueous	740,000	—	mg/Kg	<10	05/29/1999	sub	80	107	Mod. 8015
SAMPLE NO. 538366	SAMPLE DESCRIPTION OPH-R 8-10							DATE-TIME TAKEN 05/20/1999 13:15	
Prep, TPH GC/FID Nonaq	Complete			Complete	05/28/1999	sub	80		
TPH - GC/FID DRO Non-Aqueous	3,260	—	mg/Kg	<10	05/31/1999	sub	80	108	Mod. 8015

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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 538367	SAMPLE DESCRIPTION OPH-J 8-12						DATE-TIME TAKEN 05/19/1999 14:00		
Prep, TPH GC/FID Nonaq	Complete			Complete	05/28/1999	sub	80		
TPH - GC/FID DRO Non-Aqueous	49,500	—	mg/Kg	<10	05/30/1999	sub	80	106	Mod. 8015
SAMPLE NO. 538368	SAMPLE DESCRIPTION OPH-OW						DATE-TIME TAKEN 05/20/1999 10:00		
Prep, Base Neutral	Complete			Complete	05/26/1999	mra	954		EPA 625 ; SW 3510B
Prep, Acid Extractable	Complete			Complete	05/26/1999	mra	954		EPA 625 ; SW 3510B

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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 538368	SAMPLE DESCRIPTION OPH-OW							DATE-TIME TAKEN 05/20/1999 10:00	
BASE NEUTRAL COMP. (AQ) 8270									
Acenaphthene	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B
Acenaphthylene	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B
Anthracene	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B
Benzo(a)anthracene	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B
Benzo(b)fluoranthene	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B
Benzo(k)fluoranthene	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B
Benzo(a)pyrene	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B
Benzo(ghi)perylene	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B
Benzyl alcohol	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B
Benzyl butyl phthalate	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B
bis(2-Chloroethyl)ether	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B
bis(2-Chloroethoxy)methane	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B
bis(2-Ethylhexyl)phthalate	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B
2,2'-oxybis(1-Chloropropane)	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B
4-Bromophenyl phenyl ether	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B
4-Chloroaniline	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B
2-Chloronaphthalene	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B
4-Chlorophenylphenyl ether	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B
Chrysene	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B
Dibenzo(a,h)anthracene	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B
Dibenzofuran	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B
Di-n-butylphthalate	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B
1,2-Dichlorobenzene	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B
1,3-Dichlorobenzene	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B
1,4-Dichlorobenzene	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B

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ANALYTICAL REPORT

Mike Morris
EHS TECHNOLOGY GROUP, LLC
P. O. Box 3040
Miamisburg, OH 45343-3040

06/09/1999

Job Number: 99.08081

Client Project ID: SOIL/WATERS

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 538368	SAMPLE DESCRIPTION OPH-OW							DATE-TIME TAKEN 05/20/1999 10:00	
3,3'-Dichlorobenzidine	<50		ug/L	<50	06/02/1999	jpf	954	1812	SW 8270B
Diethyl phthalate	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B
Dimethyl phthalate	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B
2,4-Dinitrotoluene	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B
2,6-Dinitrotoluene	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B
Di-n-octylphthalate	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B
Fluoranthene	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B
Fluorene	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B
Hexachlorobenzene	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B
Hexachloro-1,3-butadiene	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B
Hexachlorocyclopentadiene	<20		ug/L	<20	06/02/1999	jpf	954	1812	SW 8270B
Hexachloroethane	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B
Indeno(1,2,3-cd)pyrene	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B
Isophorone	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B
Naphthalene	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B
Nitrobenzene	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B
N-Nitrosodi-n-propylamine	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B
Phenanthrene	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B
Pyrene	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B
1,2,4-Trichlorobenzene	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B
Surrogate: d5-Nitrobenzene	90		%		06/02/1999	jpf	954	1812	SW 8270B
Surrogate: 2-Fluorobiphenyl	69		%		06/02/1999	jpf	954	1812	SW 8270B
Surrogate: d14-Terphenyl	37		%		06/02/1999	jpf	954	1812	SW 8270B

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ANALYTICAL REPORT

Mike Morris
EHS TECHNOLOGY GROUP, LLC
P. O. Box 3040
Miamisburg, OH 45343-3040

06/09/1999

Job Number: 99.08081

Client Project ID: SOIL/WATERS

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 538368	SAMPLE DESCRIPTION OPH-OW							DATE-TIME TAKEN 05/20/1999 10:00	
ACID COMPOUNDS (AQ) 8270									
Benzoic acid	<50		ug/L	<50	06/02/1999	jpf	954	1812	SW 8270B
4-Chloro-3-methylphenol	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B
2-Chlorophenol	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B
2,4-Dichlorophenol	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B
2,4-Dimethylphenol	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B
2,4-Dinitrophenol	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B
2-Methyl-4,6-dinitrophenol	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B
2-Methylphenol	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B
meta & para-Methylphenol	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B
2-Nitrophenol	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B
4-Nitrophenol	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B
Pentachlorophenol	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B
Phenol	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B
2,4,5-Trichlorophenol	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B
2,4,6-Trichlorophenol	<10		ug/L	<10	06/02/1999	jpf	954	1812	SW 8270B
Surrogate: d6-Phenol	65		%		06/02/1999	jpf	954	1812	SW 8270B
Surrogate: 2-Fluorophenol	53		%		06/02/1999	jpf	954	1812	SW 8270B
Surrogate: Tribromophenol	48		%		06/02/1999	jpf	954	1812	SW 8270B

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06/09/1999

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Client Project ID: SOIL/WATERS

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 538368	SAMPLE DESCRIPTION OPH-OW							DATE-TIME TAKEN 05/20/1999 10:00	
BTEX- M 8020, AQUEOUS									
Benzene	<2.0		ug/L	<2.0	05/27/1999	jpf		447	SW 8020
Ethylbenzene	<2.0		ug/L	<2.0	05/27/1999	jpf		447	SW 8020
Toluene	<2.0		ug/L	<2.0	05/27/1999	jpf		447	SW 8020
Xylenes, Total	<2.0		ug/L	<2.0	05/27/1999	jpf		447	SW 8020
Surrogate: BFB	84		%		05/27/1999	jpf		447	SW 8020
SAMPLE NO. 538369	SAMPLE DESCRIPTION OPH-KW							DATE-TIME TAKEN 05/19/1999 11:50	
Prep, Base Neutral	Complete			Complete	05/25/1999	mra	952		EPA 625 ; SW 3510B
Prep, Acid Extractable	Complete			Complete	05/25/1999	mra	952		EPA 625 ; SW 3510B

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ANALYTICAL REPORT

Mike Morris
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Miamisburg, OH 45343-3040

06/09/1999

Job Number: 99.08081

Client Project ID: SOIL/WATERS

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 538369	SAMPLE DESCRIPTION OPH-KW							DATE-TIME TAKEN 05/19/1999 11:50	
BASE NEUTRAL COMP. (AQ) 8270									
Acenaphthene	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Acenaphthylene	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Anthracene	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Benzo(a)anthracene	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Benzo(b)fluoranthene	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Benzo(k)fluoranthene	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Benzo(a)pyrene	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Benzo(ghi)perylene	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Benzyl alcohol	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Benzyl butyl phthalate	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
bis(2-Chloroethyl)ether	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
bis(2-Chloroethoxy)methane	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
bis(2-Ethylhexyl)phthalate	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
2,2'-oxybis(1-Chloropropane)	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
4-Bromophenyl phenyl ether	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
4-Chloroaniline	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
2-Chloronaphthalene	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
4-Chlorophenylphenyl ether	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Chrysene	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Dibenzo(a,h)anthracene	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Dibenzofuran	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Di-n-butylphthalate	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
1,2-Dichlorobenzene	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
1,3-Dichlorobenzene	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
1,4-Dichlorobenzene	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B

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ANALYTICAL REPORT

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P. O. Box 3040
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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 538369	SAMPLE DESCRIPTION OPH-KW							DATE-TIME TAKEN 05/19/1999 11:50	
3,3'-Dichlorobenzidine	<50		ug/L	<50	05/27/1999	jwr	952	1807	SW 8270B
Diethyl phthalate	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Dimethyl phthalate	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
2,4-Dinitrotoluene	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
2,6-Dinitrotoluene	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Di-n-octylphthalate	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Fluoranthene	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Fluorene	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Hexachlorobenzene	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Hexachloro-1,3-butadiene	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Hexachlorocyclopentadiene	<20		ug/L	<20	05/27/1999	jwr	952	1807	SW 8270B
Hexachloroethane	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Indeno(1,2,3-cd)pyrene	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Isophorone	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Naphthalene	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Nitrobenzene	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
N-Nitrosodi-n-propylamine	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270D
Phenanthrene	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Pyrene	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
1,2,4-Trichlorobenzene	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Surrogate: d5-Nitrobenzene	69		%		05/27/1999	jwr	952	1807	SW 8270B
Surrogate: 2-Fluorobiphenyl	64		%		05/27/1999	jwr	952	1807	SW 8270B
Surrogate: d14-Terphenyl	39		%		05/27/1999	jwr	952	1807	SW 8270B

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INCORPORATED

ANALYTICAL REPORT

Mike Morris
EHS TECHNOLOGY GROUP, LLC
P. O. Box 3040
Miamisburg, OH 45343-3040

06/09/1999

Job Number: 99.08081

Client Project ID: SOIL/WATERS

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 538369	SAMPLE DESCRIPTION OPH-KW							DATE-TIME TAKEN 05/19/1999 11:50	
ACID COMPOUNDS (AQ) 8270									
Benzoic acid	<50		ug/L	<50	05/27/1999	jwr	952	1807	SW 8270B
4-Chloro-3-methylphenol	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
2-Chlorophenol	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
2,4-Dichlorophenol	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
2,4-Dimethylphenol	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
2,4-Dinitrophenol	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
2-Methyl-4,6-dinitrophenol	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
2-Methylphenol	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
meta & para-Methylphenol	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
2-Nitrophenol	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
4-Nitrophenol	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Pentachlorophenol	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Phenol	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
2,4,5-Trichlorophenol	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
2,4,6-Trichlorophenol	<10		ug/L	<10	05/27/1999	jwr	952	1807	SW 8270B
Surrogate: d6-Phenol	65		%		05/27/1999	jwr	952	1807	SW 8270B
Surrogate: 2-Fluorophenol	57		%		05/27/1999	jwr	952	1807	SW 8270B
Surrogate: Tribromophenol	53		%		05/27/1999	jwr	952	1807	SW 8270B

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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 538369	SAMPLE DESCRIPTION OPH-KW							DATE-TIME TAKEN 05/19/1999 11:50	
BTEX- M 8020, AQUEOUS									
Benzene	<2.0		ug/L	<2.0	05/27/1999	jpf		447	SW 8020
Ethylbenzene	<2.0		ug/L	<2.0	05/27/1999	jpf		447	SW 8020
Toluene	<2.0		ug/L	<2.0	05/27/1999	jpf		447	SW 8020
Xylenes, Total	<2.0		ug/L	<2.0	05/27/1999	jpf		447	SW 8020
Surrogate: BFB	83		%		05/27/1999	jpf		447	SW 8020
SAMPLE NO. 538370	SAMPLE DESCRIPTION OPH-JW							DATE-TIME TAKEN 05/19/1999 10:00	
Prep, Base Neutral	Complete			Complete	05/25/1999	mra	952		EPA 625 ; SW 3510B
Prep, Acid Extractable	Complete			Complete	05/25/1999	mra	952		EPA 625 ; SW 3510B

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INCORPORATED

ANALYTICAL REPORT

Mike Morris
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06/09/1999

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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 538370	SAMPLE DESCRIPTION OPH-JW							DATE-TIME TAKEN 05/19/1999 10:00	
BASE NEUTRAL COMP. (AQ) 8270									
Acenaphthene	<10		ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B
Acenaphthylene	<10		ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B
Anthracene	<10		ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B
Benzo(a)anthracene	<10		ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B
Benzo(b)fluoranthene	<10		ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B
Benzo(k)fluoranthene	<10		ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B
Benzo(a)pyrene	<10		ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B
Benzo(ghi)perylene	<10		ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B
Benzyl alcohol	<10		ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B
Benzyl butyl phthalate	<10		ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B
bis(2-Chloroethyl)ether	<10		ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B
bis(2-Chloroethoxy)methane	<10		ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B
bis(2-Ethylhexyl)phthalate	<10		ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B
2,2'-oxybis(1-Chloropropane)	<10		ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B
4-Bromophenyl phenyl ether	<10		ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B
4-Chloroaniline	<10		ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B
2-Chloronaphthalene	<10		ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B
4-Chlorophenylphenyl ether	<10		ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B
Chrysene	<10		ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B
Dibenzo(a,h)anthracene	<10		ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B
Dibenzofuran	<10		ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B
Di-n-butylphthalate	<10		ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B
1,2-Dichlorobenzene	<10		ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B
1,3-Dichlorobenzene	<10		ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B
1,4-Dichlorobenzene	<10		ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B

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ANALYTICAL REPORT

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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 538370	SAMPLE DESCRIPTION OPH-JW							DATE-TIME TAKEN 05/19/1999 10:00	
3,3'-Dichlorobenzidine	<50		ug/L	<50	05/28/1999	jwr	952	1811	SW 8270B
Diethyl phthalate	<10		ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B
Dimethyl phthalate	<10		ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B
2,4-Dinitrotoluene	<10		ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B
2,6-Dinitrotoluene	<10		ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B
Di-n-octylphthalate	<10		ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B
Fluoranthene	<10		ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B
Fluorene	<10		ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B
Hexachlorobenzene	<10		ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B
Hexachloro-1,3-butadiene	<10		ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B
Hexachlorocyclopentadiene	<20		ug/L	<20	05/28/1999	jwr	952	1811	SW 8270B
Hexachloroethane	<10		ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B
Indeno(1,2,3-cd)pyrene	<10		ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B
Isophorone	<10		ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B
Naphthalene	<10		ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B
Nitrobenzene	<10		ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B
N-Nitrosodi-n-propylamine	<10		ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B
Phenanthrene	10	—	ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B
Pyrene	<10		ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B
1,2,4-Trichlorobenzene	<10		ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B
Surrogate: d5-Nitrobenzene	80		%		05/28/1999	jwr	952	1811	SW 8270B
Surrogate: 2-Fluorobiphenyl	70		%		05/28/1999	jwr	952	1811	SW 8270B
Surrogate: d14-Terphenyl	35		%		05/28/1999	jwr	952	1811	SW 8270B

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ANALYTICAL REPORT

Mike Morris
EHS TECHNOLOGY GROUP, LLC
P. O. Box 3040
Miamisburg, OH 45343-3040

06/09/1999

Job Number: 99.08081

Client Project ID: SOIL/WATERS

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 538370	SAMPLE DESCRIPTION OPH-JW							DATE-TIME TAKEN 05/19/1999 10:00	
ACID COMPOUNDS (AQ) 8270									
Benzoic acid	<50		ug/L	<50	05/28/1999	jwr	952	1811	SW 8270B
4-Chloro-3-methylphenol	<10		ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B
2-Chlorophenol	<10		ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B
2,4-Dichlorophenol	<10		ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B
2,4-Dimethylphenol	<10		ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B
2,4-Dinitrophenol	<10		ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B
2-Methyl-4,6-dinitrophenol	<10		ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B
2-Methylphenol	<10		ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B
meta & para-Methylphenol	<10		ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B
2-Nitrophenol	<10		ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B
4-Nitrophenol	<10		ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B
Pentachlorophenol	<10		ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B
Phenol	<10		ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B
2,4,5-Trichlorophenol	<10		ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B
2,4,6-Trichlorophenol	<10		ug/L	<10	05/28/1999	jwr	952	1811	SW 8270B
Surrogate: d6-Phenol	73		%		05/28/1999	jwr	952	1811	SW 8270B
Surrogate: 2-Fluorophenol	68		%		05/28/1999	jwr	952	1811	SW 8270B
Surrogate: Tribromophenol	65		%		05/28/1999	jwr	952	1811	SW 8270B

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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 538370	SAMPLE DESCRIPTION OPH-JW							DATE-TIME TAKEN 05/19/1999 10:00	
BTEX- M 8020, AQUEOUS									
Benzene	<2.0		ug/L	<2.0	05/27/1999	jpf		447	SW 8020
Ethylbenzene	<2.0		ug/L	<2.0	05/27/1999	jpf		447	SW 8020
Toluene	<2.0		ug/L	<2.0	05/27/1999	jpf		447	SW 8020
Xylenes, Total	<2.0		ug/L	<2.0	05/27/1999	jpf		447	SW 8020
Surrogate: BFB	85		%		05/27/1999	jpf		447	SW 8020
SAMPLE NO. 538371	SAMPLE DESCRIPTION MW1							DATE-TIME TAKEN 05/20/1999 17:20	
Prep, Base Neutral	Complete			Complete	05/26/1999	mra	954		EPA 625 ; SW 3510B
Prep, Acid Extractable	Complete			Complete	05/26/1999	mra	954		EPA 625 ; SW 3510B

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ANALYTICAL REPORT

Mike Morris
EHS TECHNOLOGY GROUP, LLC
P. O. Box 3040
Miamisburg, OH 45343-3040

06/09/1999

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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 538371	SAMPLE DESCRIPTION MW1							DATE-TIME TAKEN 05/20/1999 17:20	
BASE NEUTRAL COMP. (AQ) 8270									
Acenaphthene	26	—	ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Acenaphthylene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Anthracene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Benzo(a)anthracene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Benzo(b)fluoranthene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Benzo(k)fluoranthene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Benzo(a)pyrene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Benzo(ghi)perylene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Benzyl alcohol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Benzyl butyl phthalate	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
bis(2-Chloroethyl)ether	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
bis(2-Chloroethoxy)methane	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
bis(2-Ethylhexyl)phthalate	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
2,2'-oxybis(1-Chloropropane)	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
4-Bromophenyl phenyl ether	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
4-Chloroaniline	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
2-Chloronaphthalene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
4-Chlorophenylphenyl ether	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Chrysene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Dibenzo(a,h)anthracene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Dibenzofuran	15	—	ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Di-n-butylphthalate	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
1,2-Dichlorobenzene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
1,3-Dichlorobenzene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
1,4-Dichlorobenzene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B

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Mike Morris
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P. O. Box 3040
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06/09/1999

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SAMPLE NO. 538371 — SAMPLE DESCRIPTION MW1 — DATE-TIME TAKEN 05/20/1999 17:20

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
3,3'-Dichlorobenzidine	<50		ug/L	<50	05/28/1999	jwr	954	1811	SW 8270B
Diethyl phthalate	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Dimethyl phthalate	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
2,4-Dinitrotoluene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
2,6-Dinitrotoluene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Di-n-octylphthalate	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Fluoranthene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Fluorene	29	—	ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Hexachlorobenzene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Hexachloro-1,3-butadiene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Hexachlorocyclopentadiene	<20		ug/L	<20	05/28/1999	jwr	954	1811	SW 8270B
Hexachloroethane	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Indeno(1,2,3-cd)pyrene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Isophorone	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Naphthalene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Nitrobenzene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
N-Nitrosodi-n-propylamine	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Phenanthrene	26	—	ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Pyrene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
1,2,4-Trichlorobenzene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Surrogate: d5-Nitrobenzene	87		%		05/28/1999	jwr	954	1811	SW 8270B
Surrogate: 2-Fluorobiphenyl	67		%		05/28/1999	jwr	954	1811	SW 8270B
Surrogate: d14-Terphenyl	42		%		05/28/1999	jwr	954	1811	SW 8270B

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ANALYTICAL REPORT

Mike Morris
EHS TECHNOLOGY GROUP, LLC
P. O. Box 3040
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06/09/1999

Job Number: 99.08081

Client Project ID: SOIL/WATERS

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 538371	SAMPLE DESCRIPTION MW1								DATE-TIME TAKEN 05/20/1999 17:20
ACID COMPOUNDS (AQ) 8270									
Benzoic acid	<50		ug/L	<50	05/28/1999	jwr	954	1811	SW 8270B
4-Chloro-3-methylphenol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
2-Chlorophenol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
2,4-Dichlorophenol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
2,4-Dimethylphenol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
2,4-Dinitrophenol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
2-Methyl-4,6-dinitrophenol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
2-Methylphenol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
meta & para-Methylphenol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
2-Nitrophenol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
4-Nitrophenol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Pentachlorophenol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Phenol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
2,4,5-Trichlorophenol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
2,4,6-Trichlorophenol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Surrogate: d6-Phenol	69		%		05/28/1999	jwr	954	1811	SW 8270B
Surrogate: 2-Fluorophenol	65		%		05/28/1999	jwr	954	1811	SW 8270B
Surrogate: Tribromophenol	62		%		05/28/1999	jwr	954	1811	SW 8270B

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ANALYTICAL REPORT

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06/09/1999

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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 538371	SAMPLE DESCRIPTION MW1							DATE-TIME TAKEN 05/20/1999 17:20	
BTEX- M 8020, AQUEOUS									
Benzene	<2.0		ug/L	<2.0	05/27/1999	jpf		447	SW 8020
Ethylbenzene	<2.0		ug/L	<2.0	05/27/1999	jpf		447	SW 8020
Toluene	<2.0		ug/L	<2.0	05/27/1999	jpf		447	SW 8020
Xylenes, Total	2.0		ug/L	<2.0	05/27/1999	jpf		447	SW 8020
Surrogate: BFB	89		%		05/27/1999	jpf		447	SW 8020
SAMPLE NO. 538372	SAMPLE DESCRIPTION MW2							DATE-TIME TAKEN 05/20/1999 16:40	
Prep, Base Neutral	Complete			Complete	05/26/1999	mra	954		EPA 625 ; SW 3510B
Prep, Acid Extractable	Complete			Complete	05/26/1999	mra	954		EPA 625 ; SW 3510B

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ANALYTICAL REPORT

Mike Morris
EHS TECHNOLOGY GROUP, LLC
P. O. Box 3040
Miamisburg, OH 45343-3040

06/09/1999

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SAMPLE NO. 538372 — SAMPLE DESCRIPTION MW2 — DATE-TIME TAKEN 05/20/1999 16:40

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
BASE NEUTRAL COMP. (AQ) 8270									
Acenaphthene	163		ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B
Acenaphthylene	<100		ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B
Anthracene	<100		ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B
Benzo(a)anthracene	<100		ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B
Benzo(b)fluoranthene	<100		ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B
Benzo(k)fluoranthene	<100		ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B
Benzo(a)pyrene	<100		ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B
Benzo(ghi)perylene	<100		ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B
Benzyl alcohol	<100		ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B
Benzyl butyl phthalate	<100		ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B
bis(2-Chloroethyl)ether	<100		ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B
bis(2-Chloroethoxy)methane	<100		ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B
bis(2-Ethylhexyl)phthalate	<100		ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B
2,2'-oxybis(1-Chloropropane)	<100		ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B
4-Bromophenyl phenyl ether	<100		ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B
4-Chloroaniline	<100		ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B
2-Chloronaphthalene	<100		ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B
4-Chlorophenylphenyl ether	<100		ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B
Chrysene	<100		ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B
Dibenzo(a,h)anthracene	<100		ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B
Dibenzofuran	<100		ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B
Di-n-butylphthalate	<100		ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B
1,2-Dichlorobenzene	<100		ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B
1,3-Dichlorobenzene	<100		ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B
1,4-Dichlorobenzene	<100		ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B

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SAMPLE NO. 538372 — SAMPLE DESCRIPTION MW2 — DATE-TIME TAKEN 05/20/1999 16:40

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
3,3'-Dichlorobenzidine	<500		ug/L	<500	05/28/1999	jwr	954	1811	SW 8270B
Diethyl phthalate	<100		ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B
Dimethyl phthalate	<100		ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B
2,4-Dinitrotoluene	<100		ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B
2,6-Dinitrotoluene	<100		ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B
Di-n-octylphthalate	<100		ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B
Fluoranthene	169	—	ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B
Fluorene	146	—	ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B
Hexachlorobenzene	<100		ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B
Hexachloro-1,3-butadiene	<100		ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B
Hexachlorocyclopentadiene	<200		ug/L	<200	05/28/1999	jwr	954	1811	SW 8270B
Hexachloroethane	<100		ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B
Indeno(1,2,3-cd)pyrene	<100		ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B
Isophorone	<100		ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B
Naphthalene	<100		ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B
Nitrobenzene	<100		ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B
N-Nitrosodi-n-propylamine	<100		ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B
Phenanthrene	330	—	ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B
Pyrene	135	—	ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B
1,2,4-Trichlorobenzene	<100		ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B
Surrogate: d5-Nitrobenzene	76		%		05/28/1999	jwr	954	1811	SW 8270B
Surrogate: 2-Fluorobiphenyl	87		%		05/28/1999	jwr	954	1811	SW 8270B
Surrogate: d14-Terphenyl	50		%		05/28/1999	jwr	954	1811	SW 8270B

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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 538372	SAMPLE DESCRIPTION MW2								DATE-TIME TAKEN 05/20/1999 16:40
ACID COMPOUNDS (AQ) 8270									
Benzoic acid	<500		ug/L	<500	05/28/1999	jwr	954	1811	SW 8270B
4-Chloro-3-methylphenol	<100		ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B
2-Chlorophenol	<100		ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B
2,4-Dichlorophenol	<100		ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B
2,4-Dimethylphenol	<100		ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B
2,4-Dinitrophenol	<100		ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B
2-Methyl-4,6-dinitrophenol	<100		ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B
2-Methylphenol	<100		ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B
meta & para-Methylphenol	<100		ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B
2-Nitrophenol	<100		ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B
4-Nitrophenol	<100		ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B
Pentachlorophenol	<100		ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B
Phenol	<100		ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B
2,4,5-Trichlorophenol	<100		ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B
2,4,6-Trichlorophenol	<100		ug/L	<100	05/28/1999	jwr	954	1811	SW 8270B
Surrogate: d6-Phenol	DL		%		05/28/1999	jwr	954	1811	SW 8270B
Surrogate: 2-Fluorophenol	DL		%		05/28/1999	jwr	954	1811	SW 8270B
Surrogate: Tribromophenol	DL		%		05/28/1999	jwr	954	1811	SW 8270B

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ANALYTICAL REPORT

Mike Morris
EHS TECHNOLOGY GROUP, LLC
P. O. Box 3040
Miamisburg, OH 45343-3040

06/09/1999

Job Number: 99.08081

Client Project ID: SOIL/WATERS

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 538372	SAMPLE DESCRIPTION MW2							DATE-TIME TAKEN 05/20/1999 16:40	
BTEX- M 8020, AQUEOUS									
Benzene	<2.0		ug/L	<2.0	05/27/1999	jpf		447	SW 8020
Ethylbenzene	<2.0		ug/L	<2.0	05/27/1999	jpf		447	SW 8020
Toluene	<2.0		ug/L	<2.0	05/27/1999	jpf		447	SW 8020
Xylenes, Total	<2.0		ug/L	<2.0	05/27/1999	jpf		447	SW 8020
Surrogate: BPB	91		%		05/27/1999	jpf		447	SW 8020
SAMPLE NO. 538373	SAMPLE DESCRIPTION MW3							DATE-TIME TAKEN 05/20/1999 17:50	
Prep, Base Neutral	Complete			Complete	05/26/1999	mra	954		EPA 625 ; SW 3510B
Prep, Acid Extractable	Complete			Complete	05/26/1999	mra	954		EPA 625 ; SW 3510B

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ANALYTICAL REPORT

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P. O. Box 3040
Miamisburg, OH 45343-3040

06/09/1999

Job Number: 99.08081

Client Project ID: SOIL/WATERS

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 538373	SAMPLE DESCRIPTION MW3							DATE-TIME TAKEN 05/20/1999 17:50	
BASE NEUTRAL COMP. (AQ) 8270									
Acenaphthene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Acenaphthylene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Anthracene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Benzo(a)anthracene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Benzo(b)fluoranthene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Benzo(k)fluoranthene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Benzo(a)pyrene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Benzo(ghi)perylene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Benzyl alcohol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Benzyl butyl phthalate	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
bis(2-Chloroethyl)ether	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
bis(2-Chloroethoxy)methane	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
bis(2-Ethylhexyl)phthalate	13	—	ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
2,2'-oxybis(1-Chloropropane)	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
4-Bromophenyl phenyl ether	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
4-Chloroaniline	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
2-Chloronaphthalene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
4-Chlorophenylphenyl ether	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Chrysene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Dibenzo(a,h)anthracene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Dibenzofuran	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Di-n-butylphthalate	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
1,2-Dichlorobenzene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
1,3-Dichlorobenzene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
1,4-Dichlorobenzene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B

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06/09/1999

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Client Project ID: SOIL/WATERS

SAMPLE NO. 538373 — SAMPLE DESCRIPTION MW3 — DATE-TIME TAKEN 05/20/1999 17:50

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
3,3'-Dichlorobenzidine	<50		ug/L	<50	05/28/1999	jwr	954	1811	SW 8270B
Diethyl phthalate	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Dimethyl phthalate	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
2,4-Dinitrotoluene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
2,6-Dinitrotoluene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Di-n-octylphthalate	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Fluoranthene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Fluorene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Hexachlorobenzene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Hexachloro-1,3-butadiene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Hexachlorocyclopentadiene	<20		ug/L	<20	05/28/1999	jwr	954	1811	SW 8270B
Hexachloroethane	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Indeno(1,2,3-cd)pyrene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Isophorone	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Naphthalene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Nitrobenzene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
N-Nitrosodi-n-propylamine	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Phenanthrene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Pyrene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
1,2,4-Trichlorobenzene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Surrogate: d5-Nitrobenzene	71		%		05/28/1999	jwr	954	1811	SW 8270B
Surrogate: 2-Fluorobiphenyl	61		%		05/28/1999	jwr	954	1811	SW 8270B
Surrogate: d14-Terphenyl	42		%		05/28/1999	jwr	954	1811	SW 8270B

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EHS TECHNOLOGY GROUP, LLC
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06/09/1999

Job Number: 99.08081

Client Project ID: SOIL/WATERS

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 538373	SAMPLE DESCRIPTION MW3							DATE-TIME TAKEN 05/20/1999 17:50	
ACID COMPOUNDS (AQ) 8270									
Benzoic acid	<50		ug/L	<50	05/28/1999	jwr	954	1811	SW 8270B
4-Chloro-3-methylphenol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
2-Chlorophenol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
2,4-Dichlorophenol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
2,4-Dimethylphenol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
2,4-Dinitrophenol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
2-Methyl-4,6-dinitrophenol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
2-Methylphenol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
meta & para-Methylphenol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
2-Nitrophenol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
4-Nitrophenol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Pentachlorophenol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Phenol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
2,4,5-Trichlorophenol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
2,4,6-Trichlorophenol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Surrogate: d6-Phenol	59		%		05/28/1999	jwr	954	1811	SW 8270B
Surrogate: 2-Fluorophenol	57		%		05/28/1999	jwr	954	1811	SW 8270B
Surrogate: Tribromophenol	51		%		05/28/1999	jwr	954	1811	SW 8270B

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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 538373	SAMPLE DESCRIPTION MW3							DATE-TIME TAKEN 05/20/1999 17:50	
BTEX- M 8020, AQUEOUS									
Benzene	<2.0		ug/L	<2.0	05/27/1999	jpf		447	SW 8020
Ethylbenzene	<2.0		ug/L	<2.0	05/27/1999	jpf		447	SW 8020
Toluene	<2.0		ug/L	<2.0	05/27/1999	jpf		447	SW 8020
Xylenes, Total	<2.0		ug/L	<2.0	05/27/1999	jpf		447	SW 8020
Surrogate: BFB	90		%		05/27/1999	jpf		447	SW 8020
SAMPLE NO. 538374	SAMPLE DESCRIPTION MW4							DATE-TIME TAKEN 05/20/1999 18:40	
Prep, Base Neutral	Complete			Complete	05/26/1999	mra	954		EPA 625 ; SW 3510B
Prep, Acid Extractable	Complete			Complete	05/26/1999	mra	954		EPA 625 ; SW 3510B

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ANALYTICAL REPORT

Mike Morris
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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 538374	SAMPLE DESCRIPTION MW4							DATE-TIME TAKEN 05/20/1999 18:40	
BASE NEUTRAL COMP. (AQ) 8270									
Acenaphthene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Acenaphthylene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Anthracene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Benzo(a)anthracene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Benzo(b)fluoranthene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Benzo(k)fluoranthene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Benzo(a)pyrene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Benzo(ghi)perylene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Benzyl alcohol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Benzyl butyl phthalate	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
bis(2-Chloroethyl)ether	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
bis(2-Chloroethoxy)methane	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
bis(2-Ethylhexyl)phthalate	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
2,2'-oxybis(1-Chloropropane)	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
4-Bromophenyl phenyl ether	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
4-Chloroaniline	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
2-Chloronaphthalene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
4-Chlorophenylphenyl ether	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Chrysene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Dibenzo(a,h)anthracene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Dibenzofuran	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Di-n-butylphthalate	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
1,2-Dichlorobenzene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
1,3-Dichlorobenzene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
1,4-Dichlorobenzene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B

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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 538374	SAMPLE DESCRIPTION MW4							DATE-TIME TAKEN 05/20/1999 18:40	
3,3'-Dichlorobenzidine	<50		ug/L	<50	05/28/1999	jwr	954	1811	SW 8270B
Diethyl phthalate	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Dimethyl phthalate	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
2,4-Dinitrotoluene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
2,6-Dinitrotoluene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Di-n-octylphthalate	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Fluoranthene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Fluorene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Hexachlorobenzene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Hexachloro-1,3-butadiene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Hexachlorocyclopentadiene	<20		ug/L	<20	05/28/1999	jwr	954	1811	SW 8270B
Hexachloroethane	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Indeno(1,2,3-cd)pyrene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Isophorone	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Naphthalene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Nitrobenzene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
N-Nitrosodi-n-propylamine	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Phenanthrene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Pyrene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
1,2,4-Trichlorobenzene	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Surrogate: d5-Nitrobenzene	74		%		05/28/1999	jwr	954	1811	SW 8270B
Surrogate: 2-Fluorobiphenyl	65		%		05/28/1999	jwr	954	1811	SW 8270B
Surrogate: d14-Terphenyl	48		%		05/28/1999	jwr	954	1811	SW 8270B

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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 538374	SAMPLE DESCRIPTION MW4							DATE-TIME TAKEN 05/20/1999 18:40	
ACID COMPOUNDS (AQ) 8270									
Benzoic acid	<50		ug/L	<50	05/28/1999	jwr	954	1811	SW 8270B
4-Chloro-3-methylphenol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
2-Chlorophenol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
2,4-Dichlorophenol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
2,4-Dimethylphenol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
2,4-Dinitrophenol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
2-Methyl-4,6-dinitrophenol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
2-Methylphenol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
meta & para-Methylphenol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
2-Nitrophenol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
4-Nitrophenol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Pentachlorophenol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Phenol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
2,4,5-Trichlorophenol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
2,4,6-Trichlorophenol	<10		ug/L	<10	05/28/1999	jwr	954	1811	SW 8270B
Surrogate: d6-Phenol	62		%		05/28/1999	jwr	954	1811	SW 8270B
Surrogate: 2-Fluorophenol	60		%		05/28/1999	jwr	954	1811	SW 8270B
Surrogate: Tribromophenol	51		%		05/28/1999	jwr	954	1811	SW 8270B

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Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 538374	SAMPLE DESCRIPTION MW4							DATE-TIME TAKEN 05/20/1999 18:40	
BTEX- M 8020, AQUEOUS									
Benzene	<2.0		ug/L	<2.0	06/02/1999	jpf		449	SW 8020
Ethylbenzene	<2.0		ug/L	<2.0	06/02/1999	jpf		449	SW 8020
Toluene	<2.0		ug/L	<2.0	06/02/1999	jpf		449	SW 8020
Xylenes, Total	<2.0		ug/L	<2.0	06/02/1999	jpf		449	SW 8020
Surrogate: BFB	97		%		06/02/1999	jpf		449	SW 8020
SAMPLE NO. 538375	SAMPLE DESCRIPTION Trip Blank							DATE-TIME TAKEN	
BTEX- M 8020, AQUEOUS									
Benzene	<2.0		ug/L	<2.0	05/27/1999	jpf		447	SW 8020
Ethylbenzene	<2.0		ug/L	<2.0	05/27/1999	jpf		447	SW 8020
Toluene	<2.0		ug/L	<2.0	05/27/1999	jpf		447	SW 8020
Xylenes, Total	<2.0		ug/L	<2.0	05/27/1999	jpf		447	SW 8020
Surrogate: BFB	84		%		05/27/1999	jpf		447	SW 8020

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QUALITY CONTROL FLAG DEFINITIONS

Job Number: 99.08081

(*) Indicates an out-of-control QC. The analytical data was reported based on other supporting quality control information.

(MS) Indicates that the Matrix Spike (MS) was out of statistical advisory limits.

(MSD) Indicates that the Matrix Spike Duplicate (MSD) was out of statistical advisory limits.

(RPD) Indicates that the Relative Percent Difference (RPD) for the MS/MSD pair was outside of statistical advisory limits.

(SS) Indicates that the MS and MSD were out of statistical advisory limits.

(SSR) Indicates that the MS, MSD and RPD were out of statistical advisory limits.

(MSR) Indicates that the MS and RPD were out of statistical advisory limits.

(MSDR) Indicates that the MSD and RPD were out of statistical advisory limits.

(DL) Indicates that the MS and MSD were diluted out and the percent recoveries of the spikes could not be calculated.

(LS) Indicates that statistical accuracy and precision data is not available for spike concentrations which are < 1/4 of the sample amount. Care should be used in interpreting this data.

(J) Indicates estimated concentration due to internal standard areas or surrogate recoveries outside of control limits. A sample matrix effect is usually indicated.

(DW) Indicates Dry Weight.

Analytical Reporting Limits

The reporting limits listed for non-aqueous samples in the analytical report section are Practical Quantitation Limits (PQLs). These PQLs are based upon a typical standard weight used for a non-aqueous sample. The reporting limit for a sample may be different from the PQL listed depending upon the actual weight of sample used, the samples moisture content and any dilutions used during the analysis.

TestAmerica
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NOTES AND COMMENTS

NET Job Number: 99.08081

Sample Number: 538360

Analysis: 8270 BNA

The recovery for the d12-Perylene internal standard is below the recommended acceptance limit. No target analytes are affected.

Sample Number: 538362, 538364

Analysis: BTEX Non-Aq

The percent recovery for surrogate 4-Bromofluorobenzene was above the recommended acceptance limit. This deviation was a result of matrix interference. The matrix interference was confirmed by duplicate analysis.

TPH 8015M ANALYSIS: HYDROCARBON TYPES FOUND

Lab No.	Sample ID	Hydrocarbon Type
538363	OPH-Q 8-12	Diesel Fuel/Motor Oil Range
538365	OPH-Oil	Kerosene Range
538366	OPH-R 8-10	Diesel Fuel/Motor Oil Range
538367	OPH-J 8-12	Diesel Fuel Range

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ANALYTICAL AND QUALITY CONTROL REPORT

Mike Morris
EHS TECHNOLOGY GROUP, LLC
P. O. Box 3040

Miamisburg, OH 45343-3040

09/21/1999

Job Number: 99.15968

Enclosed is the Analytical and Quality Control reports for the following samples submitted to the Dayton Division of TestAmerica, Inc. for analysis:

Sample Number	Sample Description	Date Taken	Date Received
560976	MW-1	09/16/1999	09/17/1999
560977	MW-2	09/16/1999	09/17/1999
560978	MW-3	09/16/1999	09/17/1999
560979	MW-4	09/16/1999	09/17/1999
560980	MW-6	09/16/1999	09/17/1999
560981	MW-7	09/16/1999	09/17/1999
560982	MW-8	09/16/1999	09/17/1999
560983	MW-22	09/16/1999	09/17/1999
560984	MW-FB	09/16/1999	09/17/1999
560985	MR	09/16/1999	09/17/1999
560986	Trip Blank	09/16/1999	09/17/1999

The Quality Control report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

TestAmerica, Inc. certifies that the analytical results contained herein apply only to the specific samples analyzed.

Reproduction of this analytical report is permitted only in its entirety.

Enclosure

Approved By

3601 SOUTH DIXIE DRIVE / DAYTON, OH 45439 / 937-294-6856 / FAX: 937-294-7816

TestAmerica
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ANALYTICAL REPORT

Mike Morris
EHS TECHNOLOGY GROUP, LLC
P. O. Box 3040

Miamisburg, OH 45343-3040

Job Number: 99.15968

Client Project ID: H99019i

09/21/1999

SAMPLE NO. 560976 — SAMPLE DESCRIPTION MW-1 — DATE-TIME TAKEN 09/16/1999 15:30

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
VOLATILE COMPOUNDS - 8260 (AQ)									
Acetone	<20.0		ug/L	<20.0	09/20/1999	mrh		2052	SW 8260A
Acrolein	<50.0		ug/L	<50.0	09/20/1999	mrh		2052	SW 8260A
Acrylonitrile	<50.0		ug/L	<50.0	09/20/1999	mrh		2052	SW 8260A
Allyl chloride	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Benzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Bromochloromethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Bromodichloromethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Bromoform	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Bromobenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
2-Butanone (MEK)	<12.5		ug/L	<12.5	09/20/1999	mrh		2052	SW 8260A
Carbon disulfide	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Carbon tetrachloride	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Chlorobenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Chloroethane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Chloroform	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Chloromethane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Chloroprene	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Dibromochloromethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Dichlorodifluoromethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,2-Dibromo-3-chloropropane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
1,2-Dibromoethane (EDB)	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
1,2-Dichlorobenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,3-Dichlorobenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,4-Dichlorobenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
trans-1,4-Dichloro-2-butene	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Mike Morris
EHS TECHNOLOGY GROUP, LLC
P. O. Box 3040

Miamisburg, OH 45343-3040

Job Number: 99.15968

Client Project ID: H99019i

09/21/1999

SAMPLE NO. 560976 — SAMPLE DESCRIPTION MW-1 — DATE-TIME TAKEN 09/16/1999 15:30

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
1,1-Dichloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,2-Dichloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1-Dichloroethene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
cis-1,2-Dichloroethene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
trans-1,2-Dichloroethene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,2-Dichloropropane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,3-Dichloropropane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
2,2-Dichloropropane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1-Dichloropropene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
cis-1,3-Dichloropropene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
trans-1,3-Dichloropropene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Ethyl methacrylate	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Ethylbenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
2-Hexanone	<12.5		ug/L	<12.5	09/20/1999	mrh		2052	SW 8260A
Iodomethane (Methyl Iodide)	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Methacrylonitrile	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Bromomethane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Methylene Chloride	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
4-Methyl-2-pentanone (MIBK)	<12.5		ug/L	<12.5	09/20/1999	mrh		2052	SW 8260A
Methyl methacrylate	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Pentachloroethane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Propionitrile	<50.0		ug/L	<50.0	09/20/1999	mrh		2052	SW 8260A
Styrene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1,1,2-Tetrachloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1,2,2-Tetrachloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Tetrachloroethene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A

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INCORPORATED

ANALYTICAL REPORT

Mike Morris
EHS TECHNOLOGY GROUP, LLC
P. O. Box 3040

Miamisburg, OH 45343-3040

09/21/1999

Job Number: 99.15968

Client Project ID: H99019i

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 560976	SAMPLE DESCRIPTION MW-1							DATE-TIME TAKEN 09/16/1999 15:30	
Toluene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1,1-Trichloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1,2-Trichloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Trichloroethene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Trichlorofluoromethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,2,3-Trichloropropane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Vinyl Acetate	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Vinyl Chloride	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Xylenes	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Surrogate:Dibromofluoromethane	105		%		09/20/1999	mrh		2052	SW 8260A
Surrogate:Toluene-d8	92		%		09/20/1999	mrh		2052	SW 8260A
Surrogate:Bromofluorobenzene	93		%		09/20/1999	mrh		2052	SW 8260A

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Mike Morris
EHS TECHNOLOGY GROUP, LLC
P. O. Box 3040

Miamisburg, OH 45343-3040

Job Number: 99.15968

Client Project ID: H99019i

09/21/1999

SAMPLE NO. 560977 — SAMPLE DESCRIPTION MW-2 — DATE-TIME TAKEN 09/16/1999 16:50

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
VOLATILE COMPOUNDS - 8260 (AQ)									
Acetone	<20.0		ug/L	<20.0	09/20/1999	mrh		2052	SW 8260A
Acrolein	<50.0		ug/L	<50.0	09/20/1999	mrh		2052	SW 8260A
Acrylonitrile	<50.0		ug/L	<50.0	09/20/1999	mrh		2052	SW 8260A
Allyl chloride	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Benzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Bromochloromethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Bromodichloromethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Bromoform	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Bromobenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
2-Butanone (MEK)	<12.5		ug/L	<12.5	09/20/1999	mrh		2052	SW 8260A
Carbon disulfide	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Carbon tetrachloride	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Chlorobenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Chloroethane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Chloroform	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Chloromethane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Chloroprene	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Dibromochloromethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Dichlorodifluoromethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,2-Dibromo-3-chloropropane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
1,2-Dibromoethane (EDB)	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
1,2-Dichlorobenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,3-Dichlorobenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,4-Dichlorobenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
trans-1,4-Dichloro-2-butene	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A

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ANALYTICAL REPORT

Mike Morris
EHS TECHNOLOGY GROUP, LLC
P. O. Box 3040

Miamisburg, OH 45343-3040

Job Number: 99.15968

Client Project ID: H990191

09/21/1999

SAMPLE NO. 560977 — SAMPLE DESCRIPTION MW-2 — DATE-TIME TAKEN 09/16/1999 16:50

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
1,1-Dichloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,2-Dichloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1-Dichloroethene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
cis-1,2-Dichloroethene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
trans-1,2-Dichloroethene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,2-Dichloropropane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,3-Dichloropropane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
2,2-Dichloropropane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1-Dichloropropene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
cis-1,3-Dichloropropene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
trans-1,3-Dichloropropene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Ethyl methacrylate	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Ethylbenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
2-Hexanone	<12.5		ug/L	<12.5	09/20/1999	mrh		2052	SW 8260A
Iodomethane (Methyl Iodide)	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Methacrylonitrile	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Bromomethane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Methylene Chloride	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
4-Methyl-2-pentanone (MIBK)	<12.5		ug/L	<12.5	09/20/1999	mrh		2052	SW 8260A
Methyl methacrylate	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Pentachloroethane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Propionitrile	<50.0		ug/L	<50.0	09/20/1999	mrh		2052	SW 8260A
Styrene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1,1,2-Tetrachloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1,2,2-Tetrachloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Tetrachloroethene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A

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INCORPORATED

ANALYTICAL REPORT

Mike Morris
EHS TECHNOLOGY GROUP, LLC
P. O. Box 3040

Miamisburg, OH 45343-3040

09/21/1999

Job Number: 99.15968

Client Project ID: H99019i

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 560977	SAMPLE DESCRIPTION MW-2							DATE-TIME TAKEN 09/16/1999 16:50	
Toluene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1,1-Trichloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1,2-Trichloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Trichloroethene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Trichlorofluoromethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,2,3-Trichloropropane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Vinyl Acetate	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Vinyl Chloride	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Xylenes	4.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Surrogate:Dibromofluoromethane	105		%		09/20/1999	mrh		2052	SW 8260A
Surrogate:Toluene-d8	92		%		09/20/1999	mrh		2052	SW 8260A
Surrogate:Bromofluorobenzene	90		%		09/20/1999	mrh		2052	SW 8260A

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Mike Morris
EHS TECHNOLOGY GROUP, LLC
P. O. Box 3040

Miamisburg, OH 45343-3040

09/21/1999

Job Number: 99.15968

Client Project ID: H99019i

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 560978	SAMPLE DESCRIPTION MW-3							DATE-TIME TAKEN 09/16/1999 16:10	
VOLATILE COMPOUNDS - 8260 (AQ)									
Acetone	<20.0		ug/L	<20.0	09/20/1999	mrh		2052	SW 8260A
Acrolein	<50.0		ug/L	<50.0	09/20/1999	mrh		2052	SW 8260A
Acrylonitrile	<50.0		ug/L	<50.0	09/20/1999	mrh		2052	SW 8260A
Allyl chloride	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Benzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Bromochloromethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Bromodichloromethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Bromoform	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Bromobenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
2-Butanone (MEK)	<12.5		ug/L	<12.5	09/20/1999	mrh		2052	SW 8260A
Carbon disulfide	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Carbon tetrachloride	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Chlorobenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Chloroethane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Chloroform	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Chloromethane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Chloroprene	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Dibromochloromethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Dichlorodifluoromethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,2-Dibromo-3-chloropropane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
1,2-Dibromoethane (EDB)	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
1,2-Dichlorobenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,3-Dichlorobenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,4-Dichlorobenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
trans-1,4-Dichloro-2-butene	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A

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ANALYTICAL REPORT

Mike Morris
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Miamisburg, OH 45343-3040

09/21/1999

Job Number: 99.15968

Client Project ID: H99019i

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 560978	SAMPLE DESCRIPTION MW-3							DATE-TIME TAKEN 09/16/1999 16:10	
1,1-Dichloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,2-Dichloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1-Dichloroethene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
cis-1,2-Dichloroethene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
trans-1,2-Dichloroethene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,2-Dichloropropane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,3-Dichloropropane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
2,2-Dichloropropane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1-Dichloropropene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
cis-1,3-Dichloropropene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
trans-1,3-Dichloropropene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Ethyl methacrylate	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Ethylbenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
2-Hexanone	<12.5		ug/L	<12.5	09/20/1999	mrh		2052	SW 8260A
Iodomethane (Methyl Iodide)	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Methacrylonitrile	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Bromomethane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Methylene Chloride	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
4-Methyl-2-pentanone (MIBK)	<12.5		ug/L	<12.5	09/20/1999	mrh		2052	SW 8260A
Methyl methacrylate	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Pentachloroethane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Propionitrile	<50.0		ug/L	<50.0	09/20/1999	mrh		2052	SW 8260A
Styrene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1,1,2-Tetrachloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1,2,2-Tetrachloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Tetrachloroethene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A

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ANALYTICAL REPORT

Mike Morris
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Miamisburg, OH 45343-3040

Job Number: 99.15968

Client Project ID: H99019i

09/21/1999

SAMPLE NO. 560978 — SAMPLE DESCRIPTION MW-3 — DATE-TIME TAKEN 09/16/1999 16:10

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
Toluene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1,1-Trichloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1,2-Trichloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Trichloroethene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Trichlorofluoromethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,2,3-Trichloropropane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Vinyl Acetate	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Vinyl Chloride	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Xylenes	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Surrogate:Dibromofluoromethane	105		%		09/20/1999	mrh		2052	SW 8260A
Surrogate:Toluene-d8	93		%		09/20/1999	mrh		2052	SW 8260A
Surrogate:Bromofluorobenzene	94		%		09/20/1999	mrh		2052	SW 8260A

STL Envirotech

Client ID: MW-2
Site: True Temper

Lab Sample No: 157459
Lab Job No: T462

Date Sampled: 09/16/99
Date Received: 09/18/99
Date Analyzed: 09/23/99
GC Column: DB624
Instrument ID: VOAMS6.i
Lab File ID: f4991.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. C9H10 Aromatic/C10H14 Aromatic	16.05	14	
2. Tetramethylbenzene isomer	16.93	24	
3. 2,3-dihydro-methyl-1H-Indene isomer	17.46	31	
4. Coeluting Aromatics	17.77	25	
5. 2,3-dihydro-dimethyl-1H-Indene isomer	17.96	19	
6. 2,3-dihydro-dimethyl-1H-Indene isomer	18.81	14	
7. Methylnaphthalene isomer	19.58	42	
8. Methylnaphthalene isomer	19.86	71	
9. Dimethylnaphthalene isomer	21.05	24	
10. Dimethylnaphthalene isomer	21.31	42	
11.			
12.			
13.			
14.			
15.			
16.			
17.			
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26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION 306

a part of Severn Trent Services Inc

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ANALYTICAL REPORT

Mike Morris
EHS TECHNOLOGY GROUP, LLC
P. O. Box 3040

Miamisburg, OH 45343-3040

Job Number: 99.15968

Client Project ID: H99019i

09/21/1999

SAMPLE NO. 560979 — SAMPLE DESCRIPTION MW-4 — DATE-TIME TAKEN 09/16/1999 15:45

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
1,1-Dichloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,2-Dichloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1-Dichloroethene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
cis-1,2-Dichloroethene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
trans-1,2-Dichloroethene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,2-Dichloropropane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,3-Dichloropropane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
2,2-Dichloropropane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1-Dichloropropene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
cis-1,3-Dichloropropene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
trans-1,3-Dichloropropene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Ethyl methacrylate	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Ethylbenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
2-Hexanone	<12.5		ug/L	<12.5	09/20/1999	mrh		2052	SW 8260A
Iodomethane (Methyl Iodide)	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Methacrylonitrile	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Bromomethane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Methylene Chloride	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
4-Methyl-2-pentanone (MIBK)	<12.5		ug/L	<12.5	09/20/1999	mrh		2052	SW 8260A
Methyl methacrylate	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Pentachloroethane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Propionitrile	<50.0		ug/L	<50.0	09/20/1999	mrh		2052	SW 8260A
Styrene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1,1,2-Tetrachloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1,2,2-Tetrachloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Tetrachloroethene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A

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ANALYTICAL REPORT

Mike Morris
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Job Number: 99.15968

Client Project ID: H99019i

09/21/1999

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 560979	SAMPLE DESCRIPTION MW-4							DATE-TIME TAKEN 09/16/1999 15:45	
Toluene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1,1-Trichloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1,2-Trichloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Trichloroethene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Trichlorofluoromethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,2,3-Trichloropropane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Vinyl Acetate	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Vinyl Chloride	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Xylenes	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Surrogate:Dibromofluoromethane	103		%		09/20/1999	mrh		2052	SW 8260A
Surrogate:Toluene-d8	91		%		09/20/1999	mrh		2052	SW 8260A
Surrogate:Bromofluorobenzene	97		%		09/20/1999	mrh		2052	SW 8260A

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ANALYTICAL REPORT

Mike Morris
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Miamisburg, OH 45343-3040

Job Number: 99.15968

Client Project ID: H99019i

09/21/1999

SAMPLE NO. 560980 — SAMPLE DESCRIPTION MW-6 — DATE-TIME TAKEN 09/16/1999 14:30

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
VOLATILE COMPOUNDS - 8260 (AQ)									
Acetone	<20.0		ug/L	<20.0	09/20/1999	mrh		2052	SW 8260A
Acrolein	<50.0		ug/L	<50.0	09/20/1999	mrh		2052	SW 8260A
Acrylonitrile	<50.0		ug/L	<50.0	09/20/1999	mrh		2052	SW 8260A
Allyl chloride	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Benzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Bromochloromethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Bromodichloromethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Bromoform	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Bromobenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
2-Butanone (MEK)	<12.5		ug/L	<12.5	09/20/1999	mrh		2052	SW 8260A
Carbon disulfide	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Carbon tetrachloride	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Chlorobenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Chloroethane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Chloroform	5.7		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Chloromethane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Chloroprene	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Dibromochloromethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Dichlorodifluoromethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,2-Dibromo-3-chloropropane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
1,2-Dibromoethane (EDB)	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
1,2-Dichlorobenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,3-Dichlorobenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,4-Dichlorobenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
trans-1,4-Dichloro-2-butene	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A

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ANALYTICAL REPORT

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Job Number: 99.15968

Client Project ID: H99019i

09/21/1999

SAMPLE NO. 560980 — SAMPLE DESCRIPTION MW-6 — DATE-TIME TAKEN 09/16/1999 14:30

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
1,1-Dichloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,2-Dichloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1-Dichloroethene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
cis-1,2-Dichloroethene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
trans-1,2-Dichloroethene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,2-Dichloropropane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,3-Dichloropropane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
2,2-Dichloropropane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1-Dichloropropene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
cis-1,3-Dichloropropene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
trans-1,3-Dichloropropene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Ethyl methacrylate	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Ethylbenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
2-Hexanone	<12.5		ug/L	<12.5	09/20/1999	mrh		2052	SW 8260A
Iodomethane (Methyl Iodide)	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Methacrylonitrile	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Bromomethane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Methylene Chloride	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
4-Methyl-2-pentanone (MIBK)	<12.5		ug/L	<12.5	09/20/1999	mrh		2052	SW 8260A
Methyl methacrylate	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Pentachloroethane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Propionitrile	<50.0		ug/L	<50.0	09/20/1999	mrh		2052	SW 8260A
Styrene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1,1,2-Tetrachloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1,2,2-Tetrachloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Tetrachloroethene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A

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ANALYTICAL REPORT

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Job Number: 99.15968

Client Project ID: H99019i

09/21/1999

SAMPLE NO. 560980 — SAMPLE DESCRIPTION MW-6 — DATE-TIME TAKEN 09/16/1999 14:30

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
Toluene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1,1-Trichloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1,2-Trichloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Trichloroethene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Trichlorofluoromethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,2,3-Trichloropropane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Vinyl Acetate	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Vinyl Chloride	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Xylenes	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Surrogate:Dibromofluoromethane	105		%		09/20/1999	mrh		2052	SW 8260A
Surrogate:Toluene-d8	90		%		09/20/1999	mrh		2052	SW 8260A
Surrogate:Bromofluorobenzene	92		%		09/20/1999	mrh		2052	SW 8260A

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ANALYTICAL REPORT

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Job Number: 99.15968

Client Project ID: H99019i

09/21/1999

SAMPLE NO. 560981 — SAMPLE DESCRIPTION MW-7 — DATE-TIME TAKEN 09/16/1999 14:50

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
VOLATILE COMPOUNDS - 8260 (AQ)									
Acetone	<20.0		ug/L	<20.0	09/20/1999	mrh		2052	SW 8260A
Acrolein	<50.0		ug/L	<50.0	09/20/1999	mrh		2052	SW 8260A
Acrylonitrile	<50.0		ug/L	<50.0	09/20/1999	mrh		2052	SW 8260A
Allyl chloride	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Benzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Bromochloromethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Bromodichloromethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Bromoform	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Bromobenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
2-Butanone (MEK)	<12.5		ug/L	<12.5	09/20/1999	mrh		2052	SW 8260A
Carbon disulfide	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Carbon tetrachloride	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Chlorobenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Chloroethane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Chloroform	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Chloromethane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Chloroprene	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Dibromochloromethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Dichlorodifluoromethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,2-Dibromo-3-chloropropane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
1,2-Dibromoethane (EDB)	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
1,2-Dichlorobenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,3-Dichlorobenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,4-Dichlorobenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
trans-1,4-Dichloro-2-butene	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A

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ANALYTICAL REPORT

Mike Morris
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Job Number: 99.15968

Client Project ID: H99019i

09/21/1999

SAMPLE NO. 560981 — SAMPLE DESCRIPTION MW-7 — DATE-TIME TAKEN 09/16/1999 14:50

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
1,1-Dichloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,2-Dichloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1-Dichloroethene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
cis-1,2-Dichloroethene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
trans-1,2-Dichloroethene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,2-Dichloropropane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,3-Dichloropropane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
2,2-Dichloropropane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1-Dichloropropene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
cis-1,3-Dichloropropene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
trans-1,3-Dichloropropene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Ethyl methacrylate	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Ethylbenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
2-Hexanone	<12.5		ug/L	<12.5	09/20/1999	mrh		2052	SW 8260A
Iodomethane (Methyl Iodide)	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Methacrylonitrile	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Bromomethane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Methylene Chloride	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
4-Methyl-2-pentanone (MIBK)	<12.5		ug/L	<12.5	09/20/1999	mrh		2052	SW 8260A
Methyl methacrylate	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Pentachloroethane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Propionitrile	<50.0		ug/L	<50.0	09/20/1999	mrh		2052	SW 8260A
Styrene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1,1,2-Tetrachloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1,2,2-Tetrachloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Tetrachloroethene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A

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ANALYTICAL REPORT

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Job Number: 99.15968

Client Project ID: H990191

09/21/1999

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 560981	SAMPLE DESCRIPTION MW-7							DATE-TIME TAKEN 09/16/1999 14:50	
Toluene	1.8		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1,1-Trichloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1,2-Trichloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Trichloroethene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Trichlorofluoromethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,2,3-Trichloropropane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Vinyl Acetate	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Vinyl Chloride	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Xylenes	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Surrogate:Dibromofluoromethane	108		%		09/20/1999	mrh		2052	SW 8260A
Surrogate:Toluene-d8	91		%		09/20/1999	mrh		2052	SW 8260A
Surrogate:Bromofluorobenzene	91		%		09/20/1999	mrh		2052	SW 8260A

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ANALYTICAL REPORT

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Job Number: 99.15968

Client Project ID: H99019i

09/21/1999

SAMPLE NO. 560982 — SAMPLE DESCRIPTION MW-8 — DATE-TIME TAKEN 09/16/1999 15:00

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
VOLATILE COMPOUNDS - 8260 (AQ)									
Acetone	<20.0		ug/L	<20.0	09/20/1999	mrh		2052	SW 8260A
Acrolein	<50.0		ug/L	<50.0	09/20/1999	mrh		2052	SW 8260A
Acrylonitrile	<50.0		ug/L	<50.0	09/20/1999	mrh		2052	SW 8260A
Allyl chloride	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Benzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Bromochloromethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Bromodichloromethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Bromoform	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Bromobenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
2-Butanone (MEK)	<12.5		ug/L	<12.5	09/20/1999	mrh		2052	SW 8260A
Carbon disulfide	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Carbon tetrachloride	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Chlorobenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Chloroethane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Chloroform	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Chloromethane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Chloroprene	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Dibromochloromethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Dichlorodifluoromethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,2-Dibromo-3-chloropropane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
1,2-Dibromoethane (EDB)	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
1,2-Dichlorobenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,3-Dichlorobenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,4-Dichlorobenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
trans-1,4-Dichloro-2-butene	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A

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Job Number: 99.15968

Client Project ID: H99019i

09/21/1999

SAMPLE NO. 560982 — SAMPLE DESCRIPTION MW-8 — DATE-TIME TAKEN 09/16/1999 15:00

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
1,1-Dichloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,2-Dichloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1-Dichloroethene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
cis-1,2-Dichloroethene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
trans-1,2-Dichloroethene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,2-Dichloropropane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,3-Dichloropropane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
2,2-Dichloropropane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1-Dichloropropene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
cis-1,3-Dichloropropene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
trans-1,3-Dichloropropene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Ethyl methacrylate	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Ethylbenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
2-Hexanone	<12.5		ug/L	<12.5	09/20/1999	mrh		2052	SW 8260A
Iodomethane (Methyl Iodide)	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Methacrylonitrile	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Bromomethane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Methylene Chloride	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
4-Methyl-2-pentanone (MIBK)	<12.5		ug/L	<12.5	09/20/1999	mrh		2052	SW 8260A
Methyl methacrylate	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Pentachloroethane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Propionitrile	<50.0		ug/L	<50.0	09/20/1999	mrh		2052	SW 8260A
Styrene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1,1,2-Tetrachloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1,2,2-Tetrachloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Tetrachloroethene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A

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ANALYTICAL REPORT

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Job Number: 99.15968

Client Project ID: H99019i

09/21/1999

SAMPLE NO. 560982 — SAMPLE DESCRIPTION MW-8 — DATE-TIME TAKEN 09/16/1999 15:00

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
Toluene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1,1-Trichloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1,2-Trichloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Trichloroethene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Trichlorofluoromethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,2,3-Trichloropropane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Vinyl Acetate	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Vinyl Chloride	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Xylenes	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Surrogate:Dibromofluoromethane	108		%		09/20/1999	mrh		2052	SW 8260A
Surrogate:Toluene-d8	91		%		09/20/1999	mrh		2052	SW 8260A
Surrogate:Bromofluorobenzene	90		%		09/20/1999	mrh		2052	SW 8260A

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ANALYTICAL REPORT

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Job Number: 99.15968

Client Project ID: H990191

09/21/1999

SAMPLE NO. 560983 — SAMPLE DESCRIPTION MW-22 — DATE-TIME TAKEN 09/16/1999 17:00

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
VOLATILE COMPOUNDS - 8260 (AO)									
Acetone	<20.0		ug/L	<20.0	09/20/1999	mrh		2052	SW 8260A
Acrolein	<50.0		ug/L	<50.0	09/20/1999	mrh		2052	SW 8260A
Acrylonitrile	<50.0		ug/L	<50.0	09/20/1999	mrh		2052	SW 8260A
Allyl chloride	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Benzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Bromochloromethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Bromodichloromethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Bromoform	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Bromobenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
2-Butanone (MEK)	<12.5		ug/L	<12.5	09/20/1999	mrh		2052	SW 8260A
Carbon disulfide	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Carbon tetrachloride	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Chlorobenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Chloroethane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Chloroform	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Chloromethane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Chloroprene	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Dibromochloromethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Dichlorodifluoromethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,2-Dibromo-3-chloropropane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
1,2-Dibromoethane (EDB)	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
1,2-Dichlorobenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,3-Dichlorobenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,4-Dichlorobenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
trans-1,4-Dichloro-2-butene	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A

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ANALYTICAL REPORT

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Job Number: 99.15968

Client Project ID: H99019i

09/21/1999

SAMPLE NO. 560983 — SAMPLE DESCRIPTION MW-22 — DATE-TIME TAKEN 09/16/1999 17:00

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
1,1-Dichloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,2-Dichloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1-Dichloroethene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
cis-1,2-Dichloroethene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
trans-1,2-Dichloroethene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,2-Dichloropropane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,3-Dichloropropane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
2,2-Dichloropropane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1-Dichloropropene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
cis-1,3-Dichloropropene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
trans-1,3-Dichloropropene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Ethyl methacrylate	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Ethylbenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
2-Hexanone	<12.5		ug/L	<12.5	09/20/1999	mrh		2052	SW 8260A
Iodomethane (Methyl Iodide)	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Methacrylonitrile	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Bromomethane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Methylene Chloride	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
4-Methyl-2-pentanone (MIBK)	<12.5		ug/L	<12.5	09/20/1999	mrh		2052	SW 8260A
Methyl methacrylate	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Pentachloroethane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Propionitrile	<50.0		ug/L	<50.0	09/20/1999	mrh		2052	SW 8260A
Styrene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1,1,2-Tetrachloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1,2,2-Tetrachloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Tetrachloroethene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A

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Mike Morris
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Miamisburg, OH 45343-3040

Job Number: 99.15968

Client Project ID: H99019i

09/21/1999

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 560983	SAMPLE DESCRIPTION MW-22							DATE-TIME TAKEN 09/16/1999 17:00	
Toluene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1,1-Trichloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1,2-Trichloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Trichloroethene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Trichlorofluoromethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,2,3-Trichloropropane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Vinyl Acetate	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Vinyl Chloride	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Xylenes	4.2		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Surrogate:Dibromofluoromethane	109		%		09/20/1999	mrh		2052	SW 8260A
Surrogate:Toluene-d8	91		%		09/20/1999	mrh		2052	SW 8260A
Surrogate:Bromofluorobenzene	93		%		09/20/1999	mrh		2052	SW 8260A

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ANALYTICAL REPORT

Mike Morris
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Miamisburg, OH 45343-3040

Job Number: 99.15968

Client Project ID: H990191

09/21/1999

SAMPLE NO. 560984 — SAMPLE DESCRIPTION MW-FB — DATE-TIME TAKEN 09/16/1999 15:15

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
VOLATILE COMPOUNDS - 8260 (AQ)									
Acetone	<20.0		ug/L	<20.0	09/20/1999	mrh		2052	SW 8260A
Acrolein	<50.0		ug/L	<50.0	09/20/1999	mrh		2052	SW 8260A
Acrylonitrile	<50.0		ug/L	<50.0	09/20/1999	mrh		2052	SW 8260A
Allyl chloride	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Benzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Bromochloromethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Bromodichloromethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Bromoform	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Bromobenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
2-Butanone (MEK)	<12.5		ug/L	<12.5	09/20/1999	mrh		2052	SW 8260A
Carbon disulfide	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Carbon tetrachloride	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Chlorobenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Chloroethane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Chloroform	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Chloromethane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Chloroprene	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Dibromochloromethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Dichlorodifluoromethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,2-Dibromo-3-chloropropane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
1,2-Dibromoethane (EDB)	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
1,2-Dichlorobenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,3-Dichlorobenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,4-Dichlorobenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
trans-1,4-Dichloro-2-butene	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A

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Job Number: 99.15968

Client Project ID: H99019i

09/21/1999

SAMPLE NO. 560984 — SAMPLE DESCRIPTION MW-FB — DATE-TIME TAKEN 09/16/1999 15:15

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
1,1-Dichloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,2-Dichloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1-Dichloroethene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
cis-1,2-Dichloroethene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
trans-1,2-Dichloroethene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,2-Dichloropropane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,3-Dichloropropane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
2,2-Dichloropropane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1-Dichloropropene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
cis-1,3-Dichloropropene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
trans-1,3-Dichloropropene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Ethyl methacrylate	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Ethylbenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
2-Hexanone	<12.5		ug/L	<12.5	09/20/1999	mrh		2052	SW 8260A
Iodomethane (Methyl Iodide)	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Methacrylonitrile	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Bromomethane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Methylene Chloride	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
4-Methyl-2-pentanone (MIBK)	<12.5		ug/L	<12.5	09/20/1999	mrh		2052	SW 8260A
Methyl methacrylate	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Pentachloroethane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Propionitrile	<50.0		ug/L	<50.0	09/20/1999	mrh		2052	SW 8260A
Styrene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1,1,2-Tetrachloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1,2,2-Tetrachloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Tetrachloroethene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A

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ANALYTICAL REPORT

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Job Number: 99.15968

Client Project ID: H99019i

09/21/1999

SAMPLE NO. 560984 — SAMPLE DESCRIPTION MW-FB — DATE-TIME TAKEN 09/16/1999 15:15

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
Toluene	1.5		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1,1-Trichloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1,2-Trichloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Trichloroethene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Trichlorofluoromethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,2,3-Trichloropropane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Vinyl Acetate	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Vinyl Chloride	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Xylenes	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Surrogate:Dibromofluoromethane	109		%		09/20/1999	mrh		2052	SW 8260A
Surrogate:Toluene-d8	94		%		09/20/1999	mrh		2052	SW 8260A
Surrogate:Bromofluorobenzene	93		%		09/20/1999	mrh		2052	SW 8260A

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ANALYTICAL REPORT

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Job Number: 99.15968

Client Project ID: H990191

09/21/1999

SAMPLE NO. 560985 — SAMPLE DESCRIPTION: MR — DATE-TIME TAKEN: 09/16/1999 18:10

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
VOLATILE COMPOUNDS - 8260 (AQ)									
Acetone	<20.0		ug/L	<20.0	09/20/1999	mrh		2052	SW 8260A
Acrolein	<50.0		ug/L	<50.0	09/20/1999	mrh		2052	SW 8260A
Acrylonitrile	<50.0		ug/L	<50.0	09/20/1999	mrh		2052	SW 8260A
Allyl chloride	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Benzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Bromochloromethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Bromodichloromethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Bromoform	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Bromobenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
2-Butanone (MEK)	<12.5		ug/L	<12.5	09/20/1999	mrh		2052	SW 8260A
Carbon disulfide	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Carbon tetrachloride	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Chlorobenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Chloroethane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Chloroform	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Chloromethane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Chloroprene	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Dibromochloromethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Dichlorodifluoromethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,2-Dibromo-3-chloropropane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
1,2-Dibromoethane (EDB)	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
1,2-Dichlorobenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,3-Dichlorobenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,4-Dichlorobenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
trans-1,4-Dichloro-2-butene	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A

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09/21/1999

SAMPLE NO. 560985 — SAMPLE DESCRIPTION MR — DATE-TIME TAKEN 09/16/1999 18:10

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
1,1-Dichloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,2-Dichloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1-Dichloroethene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
cis-1,2-Dichloroethene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
trans-1,2-Dichloroethene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,2-Dichloropropane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,3-Dichloropropane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
2,2-Dichloropropane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1-Dichloropropene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
cis-1,3-Dichloropropene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
trans-1,3-Dichloropropene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Ethyl methacrylate	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Ethylbenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
2-Hexanone	<12.5		ug/L	<12.5	09/20/1999	mrh		2052	SW 8260A
Iodomethane (Methyl Iodide)	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Methacrylonitrile	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Bromomethane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Methylene Chloride	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
4-Methyl-2-pentanone (MIBK)	<12.5		ug/L	<12.5	09/20/1999	mrh		2052	SW 8260A
Methyl methacrylate	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Pentachloroethane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Propionitrile	<50.0		ug/L	<50.0	09/20/1999	mrh		2052	SW 8260A
Styrene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1,1,2-Tetrachloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1,2,2-Tetrachloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Tetrachloroethene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A

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Job Number: 99.15968

Client Project ID: H99019i

09/21/1999

SAMPLE NO. 560985 — SAMPLE DESCRIPTION: MR — DATE-TIME TAKEN: 09/16/1999 18:10

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
Toluene	1.1		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1,1-Trichloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1,2-Trichloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Trichloroethene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Trichlorofluoromethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,2,3-Trichloropropane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Vinyl Acetate	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Vinyl Chloride	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Xylenes	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Surrogate:Dibromofluoromethane	98		%		09/20/1999	mrh		2052	SW 8260A
Surrogate:Toluene-d8	97		%		09/20/1999	mrh		2052	SW 8260A
Surrogate:Bromofluorobenzene	94		%		09/20/1999	mrh		2052	SW 8260A

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Miamisburg, OH 45343-3040

Job Number: 99.15968

Client Project ID: H99019i

09/21/1999

SAMPLE NO. 560986 — SAMPLE DESCRIPTION: Trip Blank — DATE-TIME TAKEN: 09/16/1999

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
VOLATILE COMPOUNDS - 8260 (AQ)									
Acetone	<20.0		ug/L	<20.0	09/20/1999	mrh		2052	SW 8260A
Acrolein	<50.0		ug/L	<50.0	09/20/1999	mrh		2052	SW 8260A
Acrylonitrile	<50.0		ug/L	<50.0	09/20/1999	mrh		2052	SW 8260A
Allyl chloride	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Benzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Bromochloromethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Bromodichloromethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Bromoform	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Bromobenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
2-Butanone (MEK)	<12.5		ug/L	<12.5	09/20/1999	mrh		2052	SW 8260A
Carbon disulfide	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Carbon tetrachloride	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Chlorobenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Chloroethane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Chloroform	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Chloromethane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Chloroprene	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Dibromochloromethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Dichlorodifluoromethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,2-Dibromo-3-chloropropane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
1,2-Dibromoethane (EDB)	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
1,2-Dichlorobenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,3-Dichlorobenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,4-Dichlorobenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
trans-1,4-Dichloro-2-butene	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A

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Miamisburg, OH 45343-3040

Job Number: 99.15968

Client Project ID: H99019i

09/21/1999

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 560986	SAMPLE DESCRIPTION Trip Blank							DATE-TIME TAKEN 09/16/1999	
1,1-Dichloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,2-Dichloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1-Dichloroethene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
cis-1,2-Dichloroethene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
trans-1,2-Dichloroethene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,2-Dichloropropane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,3-Dichloropropane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
2,2-Dichloropropane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1-Dichloropropene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
cis-1,3-Dichloropropene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
trans-1,3-Dichloropropene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Ethyl methacrylate	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Ethylbenzene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
2-Hexanone	<12.5		ug/L	<12.5	09/20/1999	mrh		2052	SW 8260A
Iodomethane (Methyl Iodide)	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Methacrylonitrile	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Bromomethane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Methylene Chloride	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
4-Methyl-2-pentanone (MIBK)	<12.5		ug/L	<12.5	09/20/1999	mrh		2052	SW 8260A
Methyl methacrylate	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Pentachloroethane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Propionitrile	<50.0		ug/L	<50.0	09/20/1999	mrh		2052	SW 8260A
Styrene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1,1,2-Tetrachloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1,2,2-Tetrachloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Tetrachloroethene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A

TestAmerica
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ANALYTICAL REPORT

Mike Morris
EHS TECHNOLOGY GROUP, LLC
P. O. Box 3040

Miamisburg, OH 45343-3040

Job Number: 99.15968

Client Project ID: H99019i

09/21/1999

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 560986	SAMPLE DESCRIPTION Trip Blank							DATE-TIME TAKEN 09/16/1999	
Toluene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1,1-Trichloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,1,2-Trichloroethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Trichloroethene	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Trichlorofluoromethane	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
1,2,3-Trichloropropane	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Vinyl Acetate	<5.0		ug/L	<5.0	09/20/1999	mrh		2052	SW 8260A
Vinyl Chloride	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Xylenes	<1.0		ug/L	<1.0	09/20/1999	mrh		2052	SW 8260A
Surrogate:Dibromofluoromethane	107		%		09/20/1999	mrh		2052	SW 8260A
Surrogate:Toluene-d8	93		%		09/20/1999	mrh		2052	SW 8260A
Surrogate:Bromofluorobenzene	91		%		09/20/1999	mrh		2052	SW 8260A

TestAmerica
INCORPORATED

QUALITY CONTROL FLAG DEFINITIONS

Job Number: 99.15968

(*) Indicates an out-of-control QC. The analytical data was reported based on other supporting quality control information.

(MS) Indicates that the Matrix Spike (MS) was out of statistical advisory limits.

(MSD) Indicates that the Matrix Spike Duplicate (MSD) was out of statistical advisory limits.

(RPD) Indicates that the Relative Percent Difference (RPD) for the MS/MSD pair was outside of statistical advisory limits.

(SS) Indicates that the MS and MSD were out of statistical advisory limits.

(SSR) Indicates that the MS, MSD and RPD were out of statistical advisory limits.

(MSR) Indicates that the MS and RPD were out of statistical advisory limits.

(MSDR) Indicates that the MSD and RPD were out of statistical advisory limits.

(DL) Indicates that the MS and MSD were diluted out and the percent recoveries of the spikes could not be calculated.

(LS) Indicates that statistical accuracy and precision data is not available for spike concentrations which are < 1/4 of the sample amount. Care should be used in interpreting this data.

(J) Indicates estimated concentration due to internal standard areas or surrogate recoveries outside of control limits. A sample matrix effect is usually indicated.

(DW) Indicates Dry Weight.

Analytical Reporting Limits

The reporting limits listed for non-aqueous samples in the analytical report section are Practical Quantitation Limits (PQLs). These PQLs are based upon a typical standard weight used for a non-aqueous sample. The reporting limit for a sample may be different from the PQL listed depending upon the actual weight of sample used, the samples moisture content and any dilutions used during the analysis.

2110

EHS TECHNOLOGY GROUP

P.O. Box 3040, Miamisburg, Ohio 45343-3040 phone 937-865-3553

CHAIN-OF-CUSTODY RECORD

PROJ. No.: H99019i

PROJECT NAME: Thermo Temper Wallingford Sept 99

Chain-of-Custody #: 2110

SAMPLER (Signature): Michael Morris

Analytical Parameters

SAMPLE FIELD ID #	DATE	TIME	GRAB	COMPOSITE	MATRIX	STATION LOCATION or ID	NUMBER OF JARS	VOC	TPH (GRO)					REMARKS	LAB ID #
MW-1	9-16-99	1530	X		water	MW-1	3	X							
MW-2	9-16-99	1650	X		water	MW-2	3	X							
MW-3	9-16-99	1610	X		water	MW-3	3	X							
MW-4	9-16-99	1545	X		water	MW-4	3	X							
MW-6	9-16-99	1430	X		water	MW-6	3	X							
MW-7	9-16-99	1450	X		water	MW-7	3	X							
MW-8	9-16-99	1500	X		water	MW-8	3	X							
MW-22	9-16-99	1700	X		water	MW-2	3	X							
MW-FB	9-16-99	1515	X		water	Pump house	3	X							
MR	9-16-99	18:10	X		water	mill race	3	X							
Trip Blank					water	Trip blank	3	X							
OPH-T-5	9-14-99	1300	X		soil	Boring OPH-T at 8'	2	X	X						

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	RELINQUISHED BY:	DATE	TIME	RECEIVED BY:
Michael Morris	9/17/99	11:00					

RELINQUISHED TO SHIPPER BY:	DATE	TIME	DELIVERY SHIPPING METHOD:	___Overnight ___Ground	RECEIVED AT LAB BY:	DATE	TIME
					Candace J Kenzel	9-17-99	1100 CN ~~1055~~

COOLER SEAL #_____ SEAL INTACT ?__YES __NO __N/A, TEMPERATURE UPON RECIEPT_____°_. ALL BOTTLES INTACT? __YES __NO.
ALL BOTTLE SEALS INTACT? __YES __NO __N/A, VOC SAMPLES FREE OF BUBBLES? __YES __ NO __N/A

DISTRIBUTION: ORIGINAL WHITE: Return to EHS with report, YELLOW: Laboratory Copy , PINK: Field Copy

TestAmerica
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ANALYTICAL AND QUALITY CONTROL REPORT

Mike Morris
EHS TECHNOLOGY GROUP, LLC
P. O. Box 3040
Miamisburg, OH 45343-3040

09/21/1999

Job Number: 99.15971

Enclosed is the Analytical and Quality Control reports for the following samples submitted to the Dayton Division of TestAmerica, Inc. for analysis:

Sample Number	Sample Description	Date Taken	Date Received
560998	MW9	09/16/1999	09/17/1999

The Quality Control report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

TestAmerica, Inc. certifies that the analytical results contained herein apply only to the specific samples analyzed.

Reproduction of this analytical report is permitted only in its entirety.

Enclosure

Approved By

3601 SOUTH DIXIE DRIVE / DAYTON, OH 45439 / 937-294-6856 / FAX: 937-294-7816

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Mike Morris
EHS TECHNOLOGY GROUP, LLC
P. O. Box 3040
Miamisburg, OH 45343-3040

09/21/1999

Job Number: 99.15971

Client Project ID: H99019f

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 560998	SAMPLE DESCRIPTION MW9							DATE-TIME TAKEN 09/16/1999 13:45	
ICPMS TOTAL METALS	Complete			Complete	09/20/1999	ekh		1228	EPA 200.8
Antimony, ICPMS	<0.0010		mg/L	<0.0010	09/20/1999	ekh	1050	1935	EPA 200.8
Arsenic, ICPMS	<0.0050		mg/L	<0.0050	09/20/1999	ekh	1050	1894	EPA 200.8
Beryllium, ICPMS	<0.0010		mg/L	<0.0010	09/20/1999	ekh	1050	1861	EPA 200.8
Cadmium, ICPMS	<0.0010		mg/L	<0.0010	09/20/1999	ekh	1050	1789	EPA 200.8
Chromium, ICPMS	<0.0020		mg/L	<0.0020	09/20/1999	ekh	1050	1855	EPA 200.8
Copper, ICPMS	<0.0050		mg/L	<0.0050	09/20/1999	ekh	1050	1947	EPA 200.8
Lead, ICPMS	<0.0010		mg/L	<0.0010	09/20/1999	ekh	1050	1884	EPA 200.8
Mercury, CVAA	<0.0002		mg/L	<0.0002	09/20/1999	jpp	740	719	EPA 245.1
Nickel, ICPMS	<0.0050		mg/L	<0.0050	09/20/1999	ekh	1050	1926	EPA 200.8
Selenium, ICPMS	<0.0050		mg/L	<0.0050	09/20/1999	ekh	1050	1943	EPA 200.8
Silver, ICPMS	<0.0005		mg/L	<0.0005	09/20/1999	ekh	1050	1956	EPA 200.8
Thallium, ICPMS	<0.0010		mg/L	<0.0010	09/20/1999	ekh	1050	1934	EPA 200.8
Zinc, ICPMS	<0.050		mg/L	<0.050	09/20/1999	ekh	1050	1906	EPA 200.8
Digestion, ICPMS	Complete			Complete	09/20/1999	ekh	1050		EPA 200.2
Manual Mercury Digestion	Complete			Complete	09/20/1999	clm	740		EPA 245.1

TestAmerica
INCORPORATED

QUALITY CONTROL FLAG DEFINITIONS

Job Number: 99.15971

(*) Indicates an out-of-control QC. The analytical data was reported based on other supporting quality control information.

(MS) Indicates that the Matrix Spike (MS) was out of statistical advisory limits.

(MSD) Indicates that the Matrix Spike Duplicate (MSD) was out of statistical advisory limits.

(RPD) Indicates that the Relative Percent Difference (RPD) for the MS/MSD pair was outside of statistical advisory limits.

(SS) Indicates that the MS and MSD were out of statistical advisory limits.

(SSR) Indicates that the MS, MSD and RPD were out of statistical advisory limits.

(MSR) Indicates that the MS and RPD were out of statistical advisory limits.

(MSDR) Indicates that the MSD and RPD were out of statistical advisory limits.

(DL) Indicates that the MS and MSD were diluted out and the percent recoveries of the spikes could not be calculated.

(LS) Indicates that statistical accuracy and precision data is not available for spike concentrations which are < 1/4 of the sample amount. Care should be used in interpreting this data.

(J) Indicates estimated concentration due to internal standard areas or surrogate recoveries outside of control limits. A sample matrix effect is usually indicated.

(DW) Indicates Dry Weight.

Analytical Reporting Limits

The reporting limits listed for non-aqueous samples in the analytical report section are Practical Quantitation Limits (PQLs). These PQLs are based upon a typical standard weight used for a non-aqueous sample. The reporting limit for a sample may be different from the PQL listed depending upon the actual weight of sample used, the samples moisture content and any dilutions used during the analysis.

2109

EHS TECHNOLOGY GROUP

P.O. Box 3040, Miamisburg, Ohio 45343-3040 phone 937-865-3553

CHAIN-OF-CUSTODY RECORD

PROJ. No.: H99019f

PROJECT NAME: True Temper

SAMPLER (Signature): Michael Morris

Chain-of-Custody #: 2109

SAMPLE FIELD ID #	DATE	TIME	GRAB	COMPOSITE	MATRIX	STATION LOCATION or ID	NUMBER OF JARS	Analytical Parameters: PP metals						REMARKS	LAB ID #
MW 9	9-16-99	1345	X		water	MW 9	1	X						separate report	

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	RELINQUISHED BY:	DATE	TIME	RECEIVED BY:
MJ Morris	9-17-99	11:00					

RELINQUISHED TO SHIPPER BY:	DATE	TIME	DELIVERY SHIPPING METHOD:	__Overnight __Ground	RECEIVED AT LAB BY:	DATE	TIME
					C. VanBasel	9-17-99	1100

COOLER SEAL #_____, SEAL INTACT ?__YES __NO __N/A, TEMPERATURE UPON RECIEPT_____°_, ALL BOTTLES INTACT? __YES __NO, ALL BOTTLE SEALS INTACT? __YES __NO __N/A, VOC SAMPLES FREE OF BUBBLES? __YES __ NO __N/A

DISTRIBUTION: ORIGINAL WHITE: Return to EHS with report, YELLOW: Laboratory Copy, PINK: Field Copy

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Mike Morris
EHS TECHNOLOGY GROUP, LLC
P. O. Box 3040

Miamisburg, OH 45343-3040

09/24/1999

Job Number: 99.15970

Enclosed is the analytical report for the following sample(s) submitted to the Dayton Division of TestAmerica, Inc. for analysis:

Sample Number	Sample Description	Date Taken	Date Received
560997	OPH-T-5	09/14/1999	09/17/1999

TestAmerica, Inc. certifies that the analytical results contained herein apply only to the specific samples analyzed.

Reproduction of this analytical report is permitted only in its entirety.

Enclosure

Approved By

3601 SOUTH DIXIE DRIVE / DAYTON, OH 45439 / 937-294-6856 / FAX: 937-294-7816

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Mike Morris
EHS TECHNOLOGY GROUP, LLC
P. O. Box 3040

Miamisburg, OH 45343-3040

09/24/1999

JOB NUMBER: 99.15970

SAMPLE NO.: 560997

Sample Description: OPH-T-5

Date Taken: 09/14/1999

Date Received: 09/17/1999

VOLATILE COMPOUNDS-8260 Non-Aq

Parameter	Result	Flag	Unit	Date Anal.	Analyst
8260 - SW846 (Non-aq)	Complete			09/20/1999	mrh
Acetone	<100		ug/Kg	09/20/1999	mrh
Acrolein	<50.0		ug/Kg	09/20/1999	mrh
Acrylonitrile	<50.0		ug/Kg	09/20/1999	mrh
Allyl chloride	<5.0		ug/Kg	09/20/1999	mrh
Benzene	<5.0		ug/Kg	09/20/1999	mrh
tert-Butylbenzene	<5.0		ug/Kg	09/20/1999	mrh
sec-Butylbenzene	14.6		ug/Kg	09/20/1999	mrh
n-Butylbenzene	<5.0		ug/Kg	09/20/1999	mrh
Bromochloromethane	<5.0		ug/Kg	09/20/1999	mrh
Bromodichloromethane	<5.0		ug/Kg	09/20/1999	mrh
Bromoform	<5.0		ug/Kg	09/20/1999	mrh
Bromobenzene	<5.0		ug/Kg	09/20/1999	mrh
2-Butanone (MEK)	<100		ug/Kg	09/20/1999	mrh
Carbon disulfide	<5.0		ug/Kg	09/20/1999	mrh
Carbon tetrachloride	<5.0		ug/Kg	09/20/1999	mrh
Chlorobenzene	<5.0		ug/Kg	09/20/1999	mrh
Chloroethane	<10.0		ug/Kg	09/20/1999	mrh
2-Chlorotoluene	<5.0		ug/Kg	09/20/1999	mrh
4-Chlorotoluene	<5.0		ug/Kg	09/20/1999	mrh
Chloroform	<5.0		ug/Kg	09/20/1999	mrh
2-Chloroethyl Vinyl Ether	<5.0		ug/Kg	09/20/1999	mrh
Chloromethane	<10.0		ug/Kg	09/20/1999	mrh
Chloroprene	<5.0		ug/Kg	09/20/1999	mrh
Dibromochloromethane	<5.0		ug/Kg	09/20/1999	mrh
Dibromomethane	<5.0		ug/Kg	09/20/1999	mrh
Dichlorodifluoromethane	<5.0		ug/Kg	09/20/1999	mrh
1,2-Dibromo-3-chloropropane	<5.0		ug/Kg	09/20/1999	mrh
1,2-Dibromoethane (EDB)	<5.0		ug/Kg	09/20/1999	mrh
1,2-Dichlorobenzene	<5.0		ug/Kg	09/20/1999	mrh
1,3-Dichlorobenzene	<5.0		ug/Kg	09/20/1999	mrh
1,4-Dichlorobenzene	<5.0		ug/Kg	09/20/1999	mrh
trans-1,4-Dichloro-2-butene	<5.0		ug/Kg	09/20/1999	mrh

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Mike Morris
EHS TECHNOLOGY GROUP, LLC
P. O. Box 3040

Miamisburg, OH 45343-3040

09/24/1999

JOB NUMBER: 99.15970

SAMPLE NO.: 560997

Sample Description: OPH-T-5

Date Taken: 09/14/1999

Date Received: 09/17/1999

VOLATILE COMPOUNDS-8260 Non-Aq

Parameter	Result	Flag	Unit	Date Anal.	Analyst
1,1-Dichloroethane	<5.0		ug/Kg	09/20/1999	mrh
1,2-Dichloroethane	<5.0		ug/Kg	09/20/1999	mrh
1,1-Dichloroethene	<5.0		ug/Kg	09/20/1999	mrh
cis-1,2-Dichloroethene	<5.0		ug/Kg	09/20/1999	mrh
trans-1,2-Dichloroethene	<5.0		ug/Kg	09/20/1999	mrh
1,2-Dichloropropane	<5.0		ug/Kg	09/20/1999	mrh
1,3-Dichloropropane	<5.0		ug/Kg	09/20/1999	mrh
2,2-Dichloropropane	<5.0		ug/Kg	09/20/1999	mrh
1,1-Dichloropropene	<5.0		ug/Kg	09/20/1999	mrh
cis-1,3-Dichloropropene	<5.0		ug/Kg	09/20/1999	mrh
trans-1,3-Dichloropropene	<5.0		ug/Kg	09/20/1999	mrh
Ethyl methacrylate	<5.0		ug/Kg	09/20/1999	mrh
Ethylbenzene	<5.0		ug/Kg	09/20/1999	mrh
Hexachlorobutadiene	<5.0		ug/Kg	09/20/1999	mrh
n-Hexane	<5.0		ug/Kg	09/20/1999	mrh
2-Hexanone	<50.0		ug/Kg	09/20/1999	mrh
Iodomethane (Methyl Iodide)	<5.0		ug/Kg	09/20/1999	mrh
Isopropylbenzene (Cumene)	<5.0		ug/Kg	09/20/1999	mrh
p-Isopropyltoluene	55.1 ←		ug/Kg	09/20/1999	mrh
Methacrylonitrile	<5.0		ug/Kg	09/20/1999	mrh
Bromomethane	<10.0		ug/Kg	09/20/1999	mrh
Methylene Chloride	<10.0		ug/Kg	09/20/1999	mrh
Methyl t-butyl ether (MTBE)	<5.0		ug/Kg	09/20/1999	mrh
4-Methyl-2-pentanone (MIBK)	<50.0		ug/Kg	09/20/1999	mrh
Methyl methacrylate	<5.0		ug/Kg	09/20/1999	mrh
Pentachloroethane	<5.0		ug/Kg	09/20/1999	mrh
Propionitrile	<50.0		ug/Kg	09/20/1999	mrh
n-Propylbenzene	10.7 ←		ug/Kg	09/20/1999	mrh
Styrene	<5.0		ug/Kg	09/20/1999	mrh
Naphthalene	81.6 ←		ug/Kg	09/20/1999	mrh
1,1,1,2-Tetrachloroethane	<5.0		ug/Kg	09/20/1999	mrh
1,1,2,2-Tetrachloroethane	<5.0		ug/Kg	09/20/1999	mrh
Tetrachloroethene	<5.0		ug/Kg	09/20/1999	mrh

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Mike Morris
EHS TECHNOLOGY GROUP, LLC
P. O. Box 3040

Miamisburg, OH 45343-3040

09/24/1999

JOB NUMBER: 99.15970

SAMPLE NO.: 560997

Sample Description: OPH-T-5

Date Taken: 09/14/1999

Date Received: 09/17/1999

VOLATILE COMPOUNDS-8260 Non-Aq

Parameter	Result	Flag	Unit	Date Anal.	Analyst
Toluene	<5.0		ug/Kg	09/20/1999	mrh
1,2,4-Trichlorobenzene	<5.0		ug/Kg	09/20/1999	mrh
1,2,3-Trichlorobenzene	<5.0		ug/Kg	09/20/1999	mrh
1,1,1-Trichloroethane	<5.0		ug/Kg	09/20/1999	mrh
1,1,2-Trichloroethane	<5.0		ug/Kg	09/20/1999	mrh
Trichloroethene	<5.0		ug/Kg	09/20/1999	mrh
Trichlorofluoromethane	<5.0		ug/Kg	09/20/1999	mrh
1,2,3-Trichloropropane	<5.0		ug/Kg	09/20/1999	mrh
1,2,4-Trimethylbenzene	125 ←		ug/Kg	09/20/1999	mrh
1,3,5-Trimethylbenzene	60.1 ←		ug/Kg	09/20/1999	mrh
Vinyl Acetate	<5.0		ug/Kg	09/20/1999	mrh
Vinyl Chloride	<2.0		ug/Kg	09/20/1999	mrh
Xylenes	18.2 ←		ug/Kg	09/20/1999	mrh
Surrogate:Dibromofluoromethane	104		%	09/20/1999	mrh
Surrogate:Toluene-d8	87		%	09/20/1999	mrh
Surrogate:Bromofluorobenzene	99		%	09/20/1999	mrh

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Mike Morris
EHS TECHNOLOGY GROUP, LLC
P. O. Box 3040

Miamisburg, OH 45343-3040

Sample Description: OPH-T-5

Date Taken: 09/14/1999

09/24/1999

JOB NUMBER: 99.15970

SAMPLE NO.: 560997

Date Received: 09/17/1999

Parameter	Result	Flag	Unit	Date Anal.	Analyst
TPH - GC/FID DRO Non-Aqueous	12900 ←		mg/Kg	09/23/1999	bmh

2110

EHS TECHNOLOGY GROUP

P.O. Box 3040, Miamisburg, Ohio 45343-3040 phone 937-865-3553

CHAIN-OF-CUSTODY RECORD

PROJ. No.: H99019i

PROJECT NAME: True Temper Wallingford Sept 99

Chain-of-Custody #: 2110

SAMPLER (Signature): Michael Morris

Analytical Parameters

SAMPLE FIELD ID #	DATE	TIME	GRAB	COMPOSITE	MATRIX	STATION LOCATION or ID	NUMBER OF JARS	VOC	TPH					REMARKS	LAB ID #
MW-1	9-16-99	1530	X		water	MW-1	3	X							
MW-2	9-16-99	1650	X		water	MW-2	3	X							
MW-3	9-16-99	1610	X		water	MW-3	3	X							
MW-4	9-16-99	1545	X		water	MW-4	3	X							
MW-6	9-16-99	1430	X		water	MW-6	3	X							
MW-7	9-16-99	1450	X		water	MW-7	3	X							
MW-8	9-16-99	1500	X		water	MW-8	3	X							
MW-22	9-16-99	1700	X		water	MW-2	3	X							
MW-FB	9-16-99	1515	X		water	pump house	3	X							
MR	9-16-99	18:10	X		water	mill race	3	X							
Trip Blank					water	trip blank	3	X							
OPH-T-5	9-14-99	1300	X		soil	Boring OPH-T at 8'	2	X	X						

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	RELINQUISHED BY:	DATE	TIME	RECEIVED BY:
Michael Morris	9/17/99	11:00					

RELINQUISHED TO SHIPPER BY:	DATE	TIME	DELIVERY SHIPPING METHOD:	___Overnight ___Ground	RECEIVED AT LAB BY:	DATE	TIME
					Candace Hanzel	9-17-99	1100 CN ~~1055~~

COOLER SEAL #_____, SEAL INTACT ?__YES __NO __N/A, TEMPERATURE UPON RECIEPT_____°, ALL BOTTLES INTACT? __YES __NO, ALL BOTTLE SEALS INTACT? __YES __NO __N/A, VOC SAMPLES FREE OF BUBBLES? __YES __NO __N/A

DISTRIBUTION: ORIGINAL WHITE: Return to EHS with report, YELLOW: Laboratory Copy, PINK: Field Copy

TestAmerica
INCORPORATED

MAY 30 2000

Date: 05/26/2000

Mike Clinch
EHS Technology Group, LLC
720 Mound Avenue
COS Building; Suite 420
Miamisburg, OH 45343-3040

Dear Mike:

Attached you will find the hardcopy report addendum to TestAmerica, Inc. job number 99.15968.

Please attach this page to the previously sent hardcopy report.

Respectfully Submitted,

Kenneth Hunt

3601 S. DIXIE DRIVE / DAYTON, OHIO 45439 / 937-294-6856 / 800-572-9839 / FAX: 937-294-7816

M
F
G
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1090 King Georges Post Road
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732/738-5707
Fax: 732/738-5711

June 7, 2000

Noreen Fierro, Esquire
Edwards & Angell, LLP
51 John F. Kennedy Parkway
Short Hills, New Jersey 07078

Re: True Temper Saw Mill
Wallingford, Vermont
Boring Logs with Sampling Depths

Dear Ms. Fierro:

As per your request, MFG has obtained clarification of the soil sampling conducted by MFG in September 1999 at the above referenced Site. As you are aware, Mr. Ralph Capone conducted the sampling activities on behalf of MFG. Following recent conversations with Mr. Capone, MFG was able to interpret Mr. Capone's field notes. I have included completed boring logs indicting the sampling depths and locations.

During a recent conference call with yourself, MFG, EHS, and Mr. Philip Schworer, EHS questioned the location of boring B-10. To the best of Mr. Capone's knowledge, boring B-10 most likely corresponds to EHS boring OPH-X.

Please feel free to contact myself or Chris Wagner should you have further questions regarding this matter.

Very truly yours

MFG, Inc

Phillip J. Martell
Staff Geologist

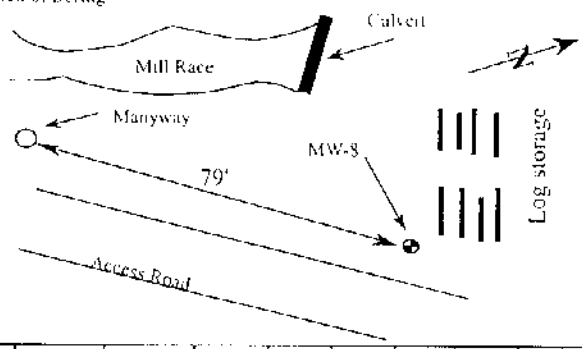
PJM/pm

Attachments

MFG, Inc. 1090 King Georges Post Road, Edison, New Jersey 08837

Soil Boring Log

Location of Boring



Job No.: 10-5656	Client: True Temper Hardware Corp.	Location: Wallingford, VT
Logged By: Ralph Capone		Boring No.: MW-8/OPH-W
Driller: Fore Drilling & Testing		
Drilling Method: Trailer Mounted Diedrich D-50 Rig - 4 1/4" I.D. H.S.A.		Sheet: 1 of 1
Sampling Method: SPT		Drilling: Start Time / Finish Time
Water Level: 13'		
Depth of Screen: 6' - 16'		
Depth of Gravel: 5' - 16'		Date: 9/14/1999 / Date: 9/14/1999
Depth of Bentonite: 1.5' - 5'		

Surface Conditions: Gravel lot adjacent to Access Road

Sampler Type	Sample No. / Depth	Inches Driv. / Recov.	Blow Count / 6"	PID (ppm)	Analytical Sample	Depth (ft)	Soil Graph	Description
SS	1 / 2'-4'	24 / 11	5 5 / 5 8			2	FL	Gray brown fine to medium sand, dome silt and fine gravel
SS	2 / 4'-6'	24 / 0	8 16 / 16 20			4	FL	No recovery
SS	3 / 6'-8'	24 / 0	3 4 / 3 4			6	FL	No recovery
					S-8 7.5-8.0'	7	FL	
SS	4 / 8'-10'	24 / 3	3 3 / 4 8	0		8	SW	Gray fine to medium sand, some silt, fine to medium gravel, medium dense
SS	5 / 10'-12'	24 / 7	10 15 / 16 24	0		10	SW	Grey fine to medium sand and fine to medium gravel, trace to little silt, very dense
SS	6 / 12'-14'	24 / 1	12 15 / 12 16	0		12	SW	Same as above, very dense
SS	7 / 14'-16'	24 / 7	12 14 / 8 5	0		14	SW	Orange brown gravelly sand, dense

Notes:

1) Boring advanced to 16' below grade surface on 9/14/99
2) Groundwater encountered at 13' below grade surface on 9/14/99
3) Boring converted to monitoring well on 9/14/99

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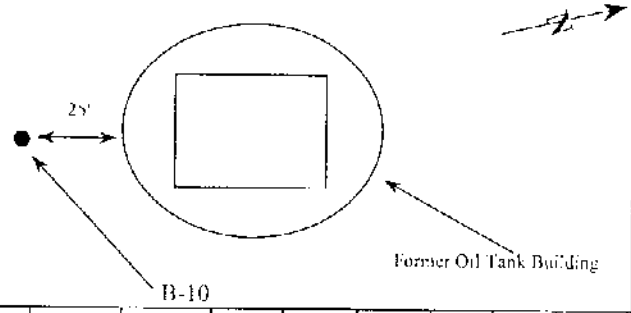
Soil Boring Log

Location of Boring



Job No.: 10-5656	Client: True Temper Hardware Corp.	Location: Wallingford, VT
Logged By: Ralph Capone		Boring No.: B-10
Driller: Fore Drilling & Testing		
Drilling Method: Trailer Mounted Diedrich D-50 Rig - 4 1/4" I.D. H.S.A.		Sheet: 1 of 1
Sampling Method: SPT		Drilling
		Start Time / Finish Time
Water Level:		
Depth of Screen:		
Depth of Gravel:		Date / Date
Depth of Bentonite:		9/14/1999 / 9/14/1999

Sampler Type	Sample No. / Depth	Inches Driv. / Recov.	Blow Count / 5"	PID (ppm)	Analytical Sample	Depth (ft)	Soil Graph	Surface Conditions
SS	1 / 2'-4'	24	3 3 / 2 2	0		2		Brown and gray silt mixed with trace to little ash
SS	2 / 4'-6'	24	1 1 / 1 2	0		4		Brown to grey silt mixed with ash
SS	3 / 6'-8'	24	3 3 / 3 2	50-100	S-10 6.0-8.0	6		Same as above

Notes:

1) Analytical sample collected at SS-3 interval 6-8' on 9/14/99
2) Auger refusal at 8' below grade surface
3) Boring B-10 most likely corresponds to EHS boring OPH-X

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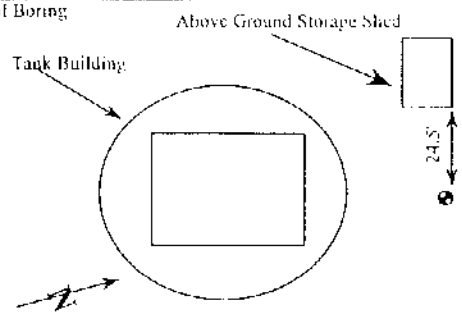
Soil Boring Log

Location of Boring



Job No.: 10-5656	Client: **True Temper Hardware**	Location: **Wallingford, VT**
Logged By: Ralph Capone		Boring No.: **MW-5/OPH-1**
Driller: Fore Drilling & Testing		
Drilling Method: Trailer Mounted Diedrich D 50 Rig		Sheet:
4 1/4" I.D. H.S.A.		1 of 1
Sampling Method: SPT		Drilling
		Start Time / Finish Time
Water Level:		
Depth of Screen:		
Depth of Gravel:		Date / Date
Depth of Bentonite:		9/14/1999 / 9/14/1999

Surface Conditions

Sampler Type	Sample No. / Depth	Inches Driv. / Recov.	Blow Count / 5"	PID (ppm)	Analytical Sample	Depth (ft.)	Soil Graph	Description
SS	1 / 0"-2"	24 / 12	1 1 / 1 1			1		Dark brown, dark grey cinders mixed with silt
SS	2 / 2'-4'	24 / 0.5	3 3 / 2 2	0		2, 3		Same as above
SS	3 / 4'-6'	24 / 5	1 1 / 1 2	0		4, 5		Same as above
SS	4 / 6'-8'	24 / 0	3 3 / 3 2	12		6, 7		
SS	5 / 8'-10'	24 / 15	35 / 100/0.5"	14	S-5A 8.0-10	8, 9		Dark grey to black silt mixed with cinders, saturated
						10		
						11		
						12		
						13		
						14		
						15		
						16		
						17		
						18		
						19		
						20		

Notes:

1) Analytical sample collected at SS-5A on 9/14/99
2) Auger refusal at 10' below grade surface
3) Well abandoned due to auger refusal

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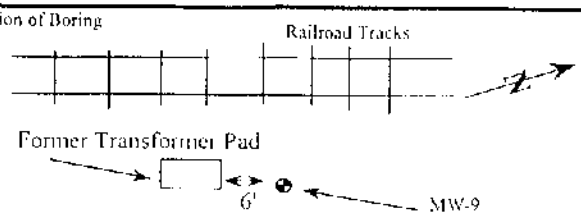
Soil Boring Log

Location of Boring



Job No: 10-5656	Client: True Temper Hardware Corp.	Location: Wallingford, VT
Logged By: Ralph Capone		Boring No.: MW-9
Driller: Fore Drilling & Testing		
Drilling Method: Trailer Mounted Diedrich D-50 Rig - 4 1/4" I.D. H.S.A.		Sheet: 1 of 1
Sampling Method: SPT		Drilling: Start Time / Finish Time
Water Level: 8.30		
Depth of Screen: 5.6' - 15.1' 0.010 slotted 2" diameter		
Depth of Gravel: 5.6' - 15.5'		Date: 9/14/1999 / Date: 9/14/1999
Depth of Bentonite:		

Surface Conditions: Gravel parking lot adjacent to former transformer pad

Sampler Type	Sample No. / Depth	Inches Drv. / Recov.	Blow Count / 6"	PID (ppm)	Analytical Sample	Depth (ft.)	Soil Graph	Description
						1		No sample taken
SS	1 / 2'-4'	24	2 2 / 2 3	0		2	FILL	Dark brown silt, with trace to little ash, broken shards of brick, medium dense
SS	2 / 4'-6'	24	2 2 / 3 4	0		4		Same as above, increasing amounts of ash, medium dense
SS	3 / 6'-8'	24	2 3 / 3 26	0		6		Same as above, with gravel, dense
SS	4 / 8'-10'	24	26 16 / 24 8	0	S-9 8.0-10	8	GW	Orange brown sandy gravel, wet, very dense
SS	5 / 10'-12'	24	22 16 / 10 10	0		10	SM	Brown fine to coarse sand and fine to medium gravel, some silt, very dense
SS	6 / 12'-14'	24	15 15 / 9 4	0		12		Same as above, dense sand
						14		
						15		
						16		
						17		
						18		
						19		
						20		

Notes:

1) Boring advanced to 14' below grade surface on 9/14/99
2) Boring converted to monitoring well on 9/14/99
3) Borehole terminated due to refusal

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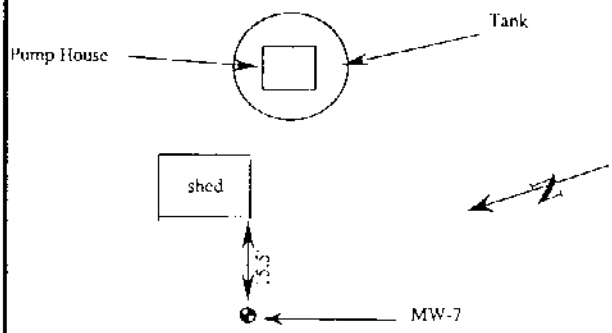
Soil Boring Log

Location of Boring



Job No.: 10-5656	Client: True Temper Hardware Corp.	Location: Wallingford, VT
Logged By: Ralph Capone		Boring No.: MW-7/OPH-V
Driller: Fore Drilling & Testing		
Drilling Method: Trailer Mounted Diedrich D-50 Rig - 4 1/4" I.D. H.S.A.		Sheet: 1 of 1
Sampling Method: SPT		Drilling
Water Level: 7.5'		Start Time: 1020 / Finish Time: 1230
Depth of Screen: 6' - 16'		
Depth of Gravel: 5' - 16'		Date: 9/13/99 / Date: 9/13/99
Depth of Bentonite: 1.5' - 5'		

Surface Conditions: Gravel parking lot adjacent to shed

Sampler Type	Sample No. / Depth	Inches Driv. / Recov.	Blow Count / 6"	PID (ppm)	Analytical Sample	Depth (ft.)	Soil Graph	Description
								No sample from 0'-2'
SS	1 / 2'-4'	48" / 17"	12 11 / 10 10	0		2	FILL	Brown fine to medium sand, some silt, trace fine to medium gravel, Grayish black cinder mixed with silt, dense
SS	2 / 4'-6'	48" / 8"	25 22 / 21 12	0		4	FILL	Same as above with coarse gravel and pebbles, very dense
SS	3 / 6'-8'	48" / 18"	5 3 / 3 3	0		6	SM	Gray fine sand, some silt micaceous, medium dense
					S-7 7.5'-8'	7	SM	Wet
SS	4 / 8'-10'	48" / 12"	1 1 / 1 1	0		8	SM	Same as above with increasing amount of silt, loose
SS	5 / 10'-12'	48" / 8"	2 1 / 2 20	0		10	SM	Same as above, medium dense
SS	6 / 12'-14'	48" / 8"	12 15 / 16 22	0		12	SW	Becoming coarser with piece of coarse gravel to fine pebble in nose of spoon; Gray-grayish - brown fine to coarse sand and fine to coarse gravel, very dense
SS	7 / 14'-16'	48" / 8"	12 21 / 30 8	0		14	SW	Same as above, very dense
						16		
						17		
						18		
						19		
						20		

Notes:

1) Boring advanced to 16' below grade surface on 9/13/99
2) Groundwater encountered at 7.5' below grade surface on 9/13/99
3) Boring converted to monitoring well on 9/13/99

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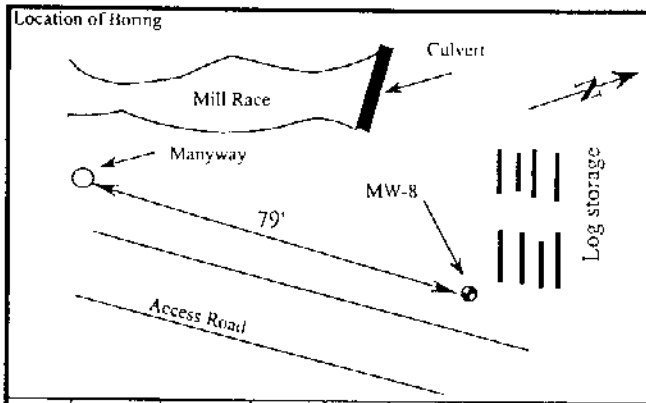
Soil Boring Log

Location of Boring



Job No.: 10-5656	Client: True Temper Hardware Corp.	Location: Wallingford, VT
Logged By: Ralph Capone		Boring No.: MW-8/OPH-W
Driller: Fore Drilling & Testing		
Drilling Method: Trailer Mounted Diedrich D-50 Rig - 4 1/4" I.D. H.S.A.		Sheet: 1 of 1
Sampling Method: SPT		Drilling: Start Time / Finish Time
Water Level: 13'		
Depth of Screen: 6' - 16'		
Depth of Gravel: 5' - 16'		Date: 9/14/99 / Date: 9/14/99
Depth of Bentonite: 1.5' - 5'		

Surface Conditions: Gravel lot adjacent to Access Road

Sampler Type	Sample No. / Depth	Inches Driv. / Recov.	Blow Count / 6"	PID (ppm)	Analytical Sample	Depth (ft.)	Soil Graph	Description
SS	1 / 2'-4'	48" / 11"	5 5 / 5 8			2	FL	Gray brown fine to medium sand, dome silt and fine gravel
SS	2 / 4'-6'	48" / 0"	8 16 / 16 20			4	FL	No recovery
SS	3 / 6'-8'	48" / 0"	3 4 / 3 4			6	FL	No recovery
SS	4 / 8'-10'	48" / 3"	3 3 / 4 8	0		8	SW	Gray fine to medium sand, some silt, fine to medium gravel, medium dense
SS	5 / 10'-12'	48" / 7"	10 15 / 16 24	0		10	SW	Grey fine to medium sand and fine to medium gravel, trace to little silt, very dense
SS	6 / 12'-14'	48" / 1"	12 15 / 12 16	0		12	SW	Same as above, very dense
SS	7 / 14'-16'	48"	12 14 / 8 5	0		14	SW	Orange brown gravelly sand, dense

Notes:

1) Boring advanced to 16' below grade surface on 9/14/99
2) Groundwater encountered at 13' below grade surface on 9/14/99
3) Boring converted to monitoring well on 9/14/99

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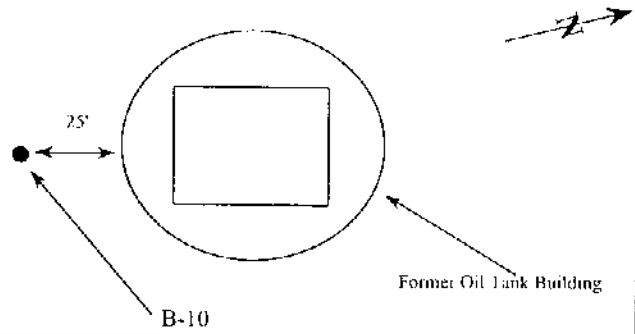
Soil Boring Log

Location of Boring



Job No.: 10-5656	Client: True Temper Hardware Corp.	Location: Wallingford, VT
Logged By: Ralph Capone		Boring No.: B-10
Driller: Fore Drilling & Testing		
Drilling Method: Trailer Mounted Diedrich D-50 Rig - 4 1/4" I.D. H.S.A.		Sheet: 1 of 1
Sampling Method: SPT		Drilling
		Start Time / Finish Time
Water Level:		
Depth of Screen:		
Depth of Gravel:		Date / Date
Depth of Bentonite:		9/14/99 / 9/14/99

Surface Conditions

Sampler Type	Sample No. / Depth	Inches Driv. / Recov.	Blow Count / 6"	PID (ppm)	Analytical Sample	Depth (ft.)	Soil Graph	
SS	1 / 2'-4'	48"	3 3 / 2 2	0		2		Brown and gray silt mixed with trace to little ash
SS	2 / 4'-6'	48"	1 1 / 1 2	0		4		Brown to grey silt mixed with ash
SS	3 / 6'-8'	48"	3 3 / 3 2	50-100	S-B10	6		Same as above

Notes:

1) Analytical sample collected at SS-3 interval 6-8' on 9/14/99

2) Auger refusal at 8' below grade surface

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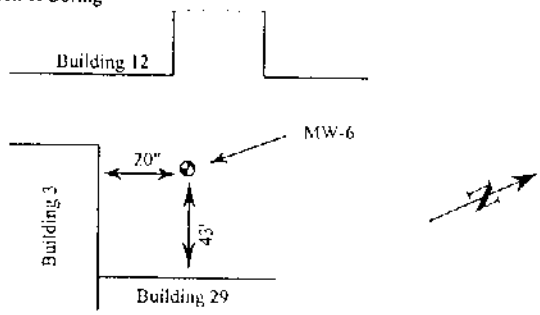
Soil Boring Log

Location of Boring



Job No.: 10-5656	Client: True Temper Hardware Corp.	Location: Wallingford, VT
Logged By: Ralph Capone		Boring No.: MW-6/OPH-U
Driller: Fore Drilling & Testing		
Drilling Method: Trailer Mounted Diedrich D-50 Rig - 4 1/4" I.D. H.S.A.		Sheet: 1 of 1
Sampling Method: SPT		Drilling
		Start Time: 1340 / Finish Time: 1600
Water Level: 8'		
Depth of Screen: 6' - 16'		
Depth of Gravel: 5' - 16'		Date: 9/13/99 / Date: 9/13/99
Depth of Bentonite: 1.5' - 5'		

Surface Conditions: Gravel park accessway adjacent to building 3

Sampler Type	Sample No. / Depth	Inches Driv. / Recov.	Blow Count / 6"	PID (ppm)	Analytical Sample	Depth (ft.)	Soil Graph	Description
						1		No sample from 0'-2'
SS	1 / 2'-4'	48" / 14"	4 3 / 3 3	0		2–3	FILL	Brown fine to medium sand, some silt, trace fine to medium gravel, Grayish black cinder and ash mixed with silt, medium dense
SS	2 / 4'-6'	48" / 6"	2 3 / 6 6	0		4–5		Silt mixed with fine sand and cinders, medium dense
SS	3 / 6'-8'	48" / 3"	5 3 / 3 4	0		6–7		Same as above, low recovery, medium dense
SS	4 / 8'-10'	48" / 5"	2 2 / 30 21	0	S-6	8–9	SM	Grayish brown fine sand, some silt, wet, very dense
SS	5 / 10'-12'	48" / 11"	20 12 / 22 18	0		10–11	SW	Brown fine to medium sand and fine to medium gravel, wet, very dense
SS	6 / 12'-14'	48" / 7"	12 11 / 8 4	0		12–13		Brown gravelly sand, dense
SS	7 / 14'-16'	48" / 2"	11 8 / 5 3	0		14–15		Orange brown gravelly sand, medium dense
						16		
						17		Notes:
						18		1) Boring advanced to 16' below grade surface on 9/13/99
						19		2) Groundwater encountered at 8' below grade surface on 9/13/99
						20		3) Boring converted to monitoring well on 9/13/99

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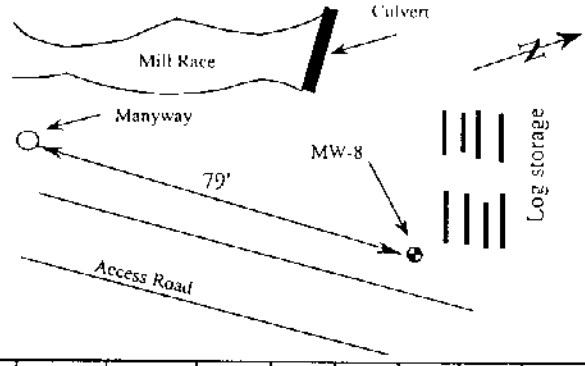
Soil Boring Log

Location of Boring



Job No.: 10-5656	Client: True Temper Hardware Corp.	Location: Wallingford, VT
Logged By: Ralph Capone		Boring No.: MW-8/OPH-W
Driller: Fore Drilling & Testing		
Drilling Method: Trailer Mounted Diedrich D-50 Rig - 4 1/4" I.D. H.S.A.		Sheet: 1 of 1
Sampling Method: SPT		Drilling: Start Time / Finish Time
Water Level: 13'		
Depth of Screen: 6' - 16'		
Depth of Gravel: 5' - 16'		Date: 9/14/99 / Date: 9/14/99
Depth of Bentonite: 1.5' - 5'		

Surface Conditions Gravel lot adjacent to Access Road

Sampler Type	Sample No. / Depth	Inches Driv. / Recov.	Blow Count / 6"	PID (ppm)	Analytical Sample	Depth (ft.)	Soil Graph	Description
SS	1 / 2'-4'	48" / 11"	5 5 / 5 8			2	FL	Gray brown fine to medium sand, dome silt and fine gravel
SS	2 / 4'-6'	48" / 0"	8 16 / 16 20			4	FL	No recovery
SS	3 / 6'-8'	48" / 0"	3 4 / 3 4			6	FL	No recovery
SS	4 / 8'-10'	48" / 3"	3 3 / 4 8	0		8	SW	Gray fine to medium sand, some silt, fine to medium gravel, medium dense
SS	5 / 10'-12'	48" / 7"	10 15 / 16 24	0		10	SW	Grey fine to medium sand and fine to medium gravel, trace to little silt, very dense
SS	6 / 12'-14'	48" / 1"	12 15 / 12 16	0		12	SW	Same as above, very dense
SS	7 / 14'-16'	48"	12 14 / 8 5	0		14	SW	Orange brown gravelly sand, dense

Notes:

1) Boring advanced to 16' below grade surface on 9/14/99
2) Groundwater encountered at 13' below grade surface on 9/14/99
3) Boring converted to monitoring well on 9/14/99

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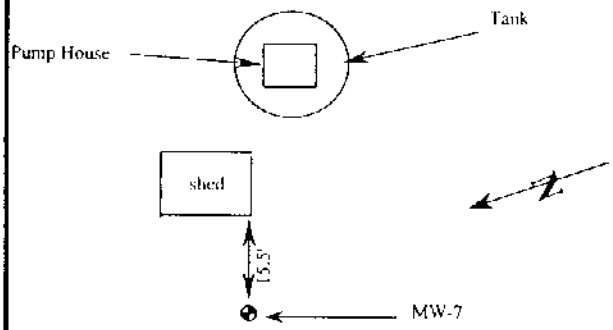
Soil Boring Log

Location of Boring



Job No.: 10-5656	Client: True Temper Hardware Corp.	Location: Wallingford, VT
Logged By: Ralph Capone		Boring No.: MW-7/OPH-V
Driller: Fore Drilling & Testing		
Drilling Method: Trailer Mounted Diedrich D-50 Rig - 4 1/4" I.D. H.S.A.		Sheet: 1 of 1
Sampling Method: SPT		Drilling
		Start Time: 1020 / Finish Time: 1230
Water Level: 7.5'		
Depth of Screen: 6' - 16'		
Depth of Gravel: 5' - 16'		Date: 9/13/99 / Date: 9/13/99
Depth of Bentonite: 1.5' - 5'		

Surface Conditions Gravel parking lot adjacent to shed

Sampler Type	Sample No. / Depth	Inches Driv. / Recov.	Blow Count / 6"	PID (ppm)	Analytical Sample	Depth (ft.)	Soil Graph	Description
						1		No sample from 0'-2'
SS	1 / 2'-4'	48" / 17"	12 11 / 10 10	0		2–6	FILL	Brown fine to medium sand, some silt, trace fine to medium gravel, Grayish black cinder mixed with silt, dense
SS	2 / 4'-6'	48" / 8"	25 22 / 21 12	0				Same as above with coarse gravel and pebbles, very dense
SS	3 / 6'-8'	48" / 18"	5 3 / 3 3	0		6–8	SM	Gray fine sand, some silt micaceous, medium dense
					S-7 7.5'-8'	7.5	▼	Wet
SS	4 / 8'-10'	48" / 12"	1 1 / 1 1	0		8–10		Same as above with increasing amount of silt, loose
SS	5 / 10'-12'	48" / 8"	2 1 / 2 20	0		10–12		Same as above, medium dense
SS	6 / 12'-14'	48" / 8"	12 15 / 16 22	0		12–16	SW	Becoming coarser with piece of coarse gravel to fine pebble in nose of spoon; Gray-grayish - brown fine to coarse sand and fine to coarse gravel, very dense
SS	7 / 14'-16'	48" / 8"	12 21 / 30 8	0				Same as above, very dense
						16–20		

Notes:

1) Boring advanced to 16' below grade surface on 9/13/99
2) Groundwater encountered at 7.5' below grade surface on 9/13/99
3) Boring converted to monitoring well on 9/13/99

6.0 INTERPRETATIONS and CONCLUSIONS 40
6.1 Plume Definition 40
6.2 Contaminant Fate and Transport 40
6.3 Conclusions 42

7.0 REFERENCES 43

EXHIBITS

EXHIBIT A WORK PLAN

EXHIBIT B AERIAL PHOTOGRAPHS
SANBORN MAPS
CHAIN-OF-TITLE SUMMARY

EXHIBIT C DOCUMENTATION OF OIL FINGERPRINT AND AGE

EXHIBIT D SURVEY MAP
MAP OF WALLINGFORD FIRE DISTRICT
MAP OF WALLINGFORD SOURCE PROTECTION AREA

EXHIBIT E SOIL SURVEY OF RUTLAND COUNTY INFORMATION

EXHIBIT F TEST BORING LOGS
AS-BUILT DIAGRAMS
WELL DEVELOPMENT FORMS

EXHIBIT G VERMONT WELL COMPLETION REPORTS
AND BASIC WELL DATA FORMS

EXHIBIT H MFG, INC. WATER LEVEL DOCUMENTATION

EXHIBIT I SAMPLING LOGS AND CHAIN-OF-CUSTODY FORMS

EXHIBIT J LABORATORY ANALYTICAL REPORT

EXHIBIT K MFG LABORATORY ANALYTICAL REPORTS (partial)

EXHIBIT L RISK ASSESSMENT REPORT AND CALCULATIONS

STL Envirotech
a division of Severn Trent Laboratories, Inc.

STL Envirotech
777 New Durham Road
Edison, NJ 08817
Tel: (732) 549-3900
Fax: (732) 549-3679
www.stl-inc.com

October 12, 1999

McCulley, Frick & Gilman
1090 King Georges Post Road
Suite 703
Edison, NJ 08837

Attention: Mr. John Checcio

Re: Job No. T402 - True Temper

Dear Mr. Checcio:

Enclosed are the results you requested for the following sample(s) received at our laboratory on September 16, 1999:

Lab No.	Client ID	Analysis Required
157080	S-5	PP VOA+10, GRO, DRO
157081	S-7	PP VOA+10, GRO, DRO
157082	S-8	PP VOA+10, GRO, DRO
157083	S-10	PP VOA+10, GRO, DRO

An invoice for our services is also enclosed. If you have any questions please contact your Project Manager, Bianca Buckwalter, at (732) 549-3900.

Very truly yours,

Michael J. Urban
Laboratory Manager

Client ID: S-5
Site: True Temper

Lab Sample No: 157080
Lab Job No: T402

Date Sampled: 09/14/99
Date Received: 09/16/99
Date Analyzed: 09/18/99
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a2610.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.1 g
Purge Volume: 5.0 ml
% Moisture: 15

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.7
Bromomethane	ND	5.7
Vinyl Chloride	ND	5.7
Chloroethane	ND	5.7
Methylene Chloride	3.2JB	3.4
Trichlorofluoromethane	ND	5.7
1,1-Dichloroethene	ND	2.3
1,1-Dichloroethane	ND	5.7
trans-1,2-Dichloroethene	ND	5.7
cis-1,2-Dichloroethene	ND	5.7
Chloroform	ND	5.7
1,2-Dichloroethane	ND	2.3
1,1,1-Trichloroethane	ND	5.7
Carbon Tetrachloride	ND	2.3
Bromodichloromethane	ND	1.1
1,2-Dichloropropane	ND	1.1
cis-1,3-Dichloropropene	ND	5.7
Trichloroethene	ND	1.1
Dibromochloromethane	ND	5.7
1,1,2-Trichloroethane	ND	3.4
Benzene	3.0	1.1
trans-1,3-Dichloropropene	ND	5.7
2-Chloroethyl Vinyl Ether	ND	5.7
Bromoform	ND	4.6
Tetrachloroethene	ND	1.1
1,1,2,2-Tetrachloroethane	ND	1.1
Toluene	12	5.7
Chlorobenzene	ND	5.7
Ethylbenzene	1.8J	4.6
Xylene (Total)	11	5.7

Client ID: S-5
Site: True Temper

Lab Sample No: 157080
Lab Job No: T402

Date Sampled: 09/14/99
Date Received: 09/16/99
Date Analyzed: 09/18/99
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a2610.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.1 g
Purge Volume: 5.0 ml
% Moisture: 14.7

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. Decahydronaphthalene isomer	17.21	270	
2. Unknown	18.48	300	
3. Unknown	18.60	450	
4. Unknown	18.82	390	
5. Unknown Aromatic/Unknown	18.91	400	
6. Unknown	18.99	250	
7. Unknown Aromatic	19.10	550	
8. Unknown	19.29	290	
9. Unknown	19.54	600	
10. Unknown	19.93	220	
11.			
12.			
13.			
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TOTAL ESTIMATED CONCENTRATION	3720

Client ID: S-5
Site: True Temper

Lab Sample No: 157080
Lab Job No: T402

Date Sampled: 09/14/99
Date Received: 09/16/99
Date Analyzed: 09/20/99
GC Column: DB-624
Instrument ID: VOAGC3.i
Lab File ID: ifid9302.d

Matrix: SOIL
Level: HIGH
Sample Weight: 5 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 14.7

GASOLINE RANGE ORGANICS - GC/FID
(GRO)

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Total GRO	26000	5800

Client ID: S-5
Site: True Temper

Lab Sample No: 157080
Lab Job No: T402

Date Sampled: 09/14/99
Date Received: 09/16/99
Date Analyzed: 09/21/99
GC Column: DB-625
Instrument ID: BNAGC2.i
Lab File ID: gc2f8498.d

Matrix: SOIL
Level: LOW
Sample Weight: 25 g
Extract Final Volume: 1.0 ml
Dilution Factor: 50.0
% Moisture: 14.7

DIESEL RANGE ORGANICS - GC/FID
(DRO)

Parameter	Analytical Results Units: mg/kg (Dry Weight)	Quantitation Limit Units: mg/kg
Total DRO	6880	234

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Client ID: S-7
Site: True Temper

Lab Sample No: 157081
Lab Job No: T402

Date Sampled: 09/13/99
Date Received: 09/16/99
Date Analyzed: 09/18/99
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a2611.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 18

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	6.0
Bromomethane	ND	6.0
Vinyl Chloride	ND	6.0
Chloroethane	ND	6.0
Methylene Chloride	4.5B	3.6
Trichlorofluoromethane	ND	6.0
1,1-Dichloroethene	ND	2.4
1,1-Dichloroethane	ND	6.0
trans-1,2-Dichloroethene	ND	6.0
cis-1,2-Dichloroethene	ND	6.0
Chloroform	ND	6.0
1,2-Dichloroethane	ND	2.4
1,1,1-Trichloroethane	ND	6.0
Carbon Tetrachloride	ND	2.4
Bromodichloromethane	ND	1.2
1,2-Dichloropropane	ND	1.2
cis-1,3-Dichloropropene	ND	6.0
Trichloroethene	ND	1.2
Dibromochloromethane	ND	6.0
1,1,2-Trichloroethane	ND	3.6
Benzene	ND	1.2
trans-1,3-Dichloropropene	ND	6.0
2-Chloroethyl Vinyl Ether	ND	6.0
Bromoform	ND	4.8
Tetrachloroethene	ND	1.2
1,1,2,2-Tetrachloroethane	ND	1.2
Toluene	ND	6.0
Chlorobenzene	ND	6.0
Ethylbenzene	ND	4.8
Xylene (Total)	ND	6.0

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Client ID: S-7
Site: True Temper

Lab Sample No: 157081
Lab Job No: T402

Date Sampled: 09/13/99
Date Received: 09/16/99
Date Analyzed: 09/18/99
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a2611.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 17.8

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. Unknown Siloxane	15.39	11	
2. Unknown Siloxane	17.34	12	
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
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27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION 23

Client ID: S-7
Site: True Temper

Lab Sample No: 157081
Lab Job No: T402

Date Sampled: 09/13/99
Date Received: 09/16/99
Date Analyzed: 09/20/99
GC Column: DB-624
Instrument ID: VOAGC3.i
Lab File ID: ifid9301.d

Matrix: SOIL
Level: HIGH
Sample Weight: 5 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 17.8

GASOLINE RANGE ORGANICS - GC/FID
(GRO)

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Total GRO	ND	6000

Client ID: S-7
Site: True Temper

Lab Sample No: 157081
Lab Job No: T402

Date Sampled: 09/13/99
Date Received: 09/16/99
Date Analyzed: 09/20/99
GC Column: DB-625
Instrument ID: BNAGC2.i
Lab File ID: gc2f8482.d

Matrix: SOIL
Level: LOW
Sample Weight: 25 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 17.8

DIESEL RANGE ORGANICS - GC/FID (DRO)

Parameter	Analytical Results Units: mg/kg (Dry Weight)	Quantitation Limit Units: mg/kg
Total DRO	ND	4.9

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Client ID: S-8
Site: True Temper

Lab Sample No: 157082
Lab Job No: T402

Date Sampled: 09/14/99
Date Received: 09/16/99
Date Analyzed: 09/20/99
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a2622.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.1 g
Purge Volume: 5.0 ml
% Moisture: 21

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	6.2
Bromomethane	ND	6.2
Vinyl Chloride	ND	6.2
Chloroethane	ND	6.2
Methylene Chloride	2.8JB	3.7
Trichlorofluoromethane	ND	6.2
1,1-Dichloroethene	ND	2.5
1,1-Dichloroethane	ND	6.2
trans-1,2-Dichloroethene	ND	6.2
cis-1,2-Dichloroethene	ND	6.2
Chloroform	ND	6.2
1,2-Dichloroethane	ND	2.5
1,1,1-Trichloroethane	ND	6.2
Carbon Tetrachloride	ND	2.5
Bromodichloromethane	ND	1.2
1,2-Dichloropropane	ND	1.2
cis-1,3-Dichloropropene	ND	6.2
Trichloroethene	ND	1.2
Dibromochloromethane	ND	6.2
1,1,2-Trichloroethane	ND	3.7
Benzene	ND	1.2
trans-1,3-Dichloropropene	ND	6.2
2-Chloroethyl Vinyl Ether	ND	6.2
Bromoform	ND	5.0
Tetrachloroethene	ND	1.2
1,1,2,2-Tetrachloroethane	ND	1.2
Toluene	1.3J	6.2
Chlorobenzene	ND	6.2
Ethylbenzene	ND	5.0
Xylene (Total)	ND	6.2

Client ID: S-8
Site: True Temper

Lab Sample No: 157082
Lab Job No: T402

Date Sampled: 09/14/99
Date Received: 09/16/99
Date Analyzed: 09/20/99
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a2622.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.1 g
Purge Volume: 5.0 ml
% Moisture: 21.1

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
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12.			
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15.			
16.			
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22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION 0.0

Client ID: S-8
Site: True Temper

Lab Sample No: 157082
Lab Job No: T402

Date Sampled: 09/14/99
Date Received: 09/16/99
Date Analyzed: 09/20/99
GC Column: DB-624
Instrument ID: VOAGC3.i
Lab File ID: ifid9299.d

Matrix: SOIL
Level: HIGH
Sample Weight: 5 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 21.1

GASOLINE RANGE ORGANICS - GC/FID
(GRO)

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Total GRO	ND	6200

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Client ID: S-8
Site: True Temper

Lab Sample No: 157082
Lab Job No: T402

Date Sampled: 09/14/99
Date Received: 09/16/99
Date Analyzed: 09/20/99
GC Column: DB-625
Instrument ID: BNAGC2.i
Lab File ID: gc2f8483.d

Matrix: SOIL
Level: LOW
Sample Weight: 25 g
Extract Final Volume: 1.0 ml
Dilution Factor: 1.0
% Moisture: 21.1

DIESEL RANGE ORGANICS - GC/FID
(DRO)

Parameter	Analytical Results Units: mg/kg (Dry Weight)	Quantitation Limit Units: mg/kg
Total DRO	ND	5.1

Client ID: S-10
Site: True Temper

Lab Sample No: 157083
Lab Job No: T402

Date Sampled: 09/14/99
Date Received: 09/16/99
Date Analyzed: 09/18/99
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a2613.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.2 g
Purge Volume: 5.0 ml
% Moisture: 12

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.5
Bromomethane	ND	5.5
Vinyl Chloride	ND	5.5
Chloroethane	ND	5.5
Methylene Chloride	2.4JB	3.3
Trichlorofluoromethane	ND	5.5
1,1-Dichloroethene	ND	2.2
1,1-Dichloroethane	ND	5.5
trans-1,2-Dichloroethene	ND	5.5
cis-1,2-Dichloroethene	ND	5.5
Chloroform	ND	5.5
1,2-Dichloroethane	ND	2.2
1,1,1-Trichloroethane	ND	5.5
Carbon Tetrachloride	ND	2.2
Bromodichloromethane	ND	1.1
1,2-Dichloropropane	ND	1.1
cis-1,3-Dichloropropene	ND	5.5
Trichloroethene	ND	1.1
Dibromochloromethane	ND	5.5
1,1,2-Trichloroethane	ND	3.3
Benzene	1.7	1.1
trans-1,3-Dichloropropene	ND	5.5
2-Chloroethyl Vinyl Ether	ND	5.5
Bromoform	ND	4.4
Tetrachloroethene	ND	1.1
1,1,2,2-Tetrachloroethane	ND	1.1
Toluene	3.4J	5.5
Chlorobenzene	ND	5.5
Ethylbenzene	ND	4.4
Xylene (Total)	1.0J	5.5

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Client ID: S-10
Site: True Temper

Lab Sample No: 157083
Lab Job No: T402

Date Sampled: 09/14/99
Date Received: 09/16/99
Date Analyzed: 09/18/99
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a2613.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.2 g
Purge Volume: 5.0 ml
% Moisture: 12.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. C10H22 Alkane/C9H12 Aromatic	15.77	49	
2. C10H20 Cycloalkane/C10H14 Aromatic	16.54	51	
3. C11H24 Alkane	17.03	110	
4. C11H22 Cycloalkane/C10H14 Aromatic	17.38	50	
5. C12H26 Alkane	18.21	100	
6. Unknown Alkane	18.39	33	
7. C10H14 Aromatic	18.51	65	
8. Unknown	19.10	35	
9. Naphthalene	19.42	140	
10. Unknown Alkane	20.68	34	
11.			
12.			
13.			
14.			
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16.			
17.			
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22.			
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26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION 667

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Severn Trent Services Inc

Client ID: S-10
Site: True Temper

Lab Sample No: 157083
Lab Job No: T402

Date Sampled: 09/14/99
Date Received: 09/16/99
Date Analyzed: 09/20/99
GC Column: DB-624
Instrument ID: VOAGC3.i
Lab File ID: ifid9300.d

Matrix: SOIL
Level: HIGH
Sample Weight: 5 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 12.0

GASOLINE RANGE ORGANICS - GC/FID
(GRO)

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Total GRO	12000	5500

Client ID: S-10
Site: True Temper

Lab Sample No: 157083
Lab Job No: T402

Date Sampled: 09/14/99
Date Received: 09/16/99
Date Analyzed: 09/21/99
GC Column: DB-625
Instrument ID: BNAGC2.i
Lab File ID: gc2f8499.d

Matrix: SOIL
Level: LOW
Sample Weight: 25 g
Extract Final Volume: 1.0 ml
Dilution Factor: 2.0
% Moisture: 12.0

DIESEL RANGE ORGANICS - GC/FID
(DRO)

Parameter	Analytical Results Units: mg/kg (Dry Weight)	Quantitation Limit Units: mg/kg
Total DRO	336	9.1

STL - Envirotech
777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

Name (for report and invoice): Tom Checchio	Samplers Name (Printed): Ralph Capone	Site/Project Identification: True Temper Wallingford, VT
Company: MFG	P.O. #:	State (Location of site): NJ: ☐ NY: ☐ Other: VT
		Regulatory Program:
Address: 1090 King Georges Post Road	Analysis Turnaround Time: Standard ☒	
City: Edison State: NJ	Rush Charges Authorized For: 2 Week ☐ 1 Week ☐ Other ☐	
Phone: 732-738-5907 Fax: 732-[illegible]		

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

LAB USE ONLY
Project No:
Job No: T402

Sample Identification	Date	Time	Matrix	No. of Cont.	VOC's	TPH (GRO/DRO)	PP Metals									Sample Numbers	
S-5	9-[illegible]	1155	S	1	X	X										157080	
S-6	9-13-99	1145	S	1	X	X										———	Not Rec'd
S-7	9-13-99	1120	S	1	X	X										157081	
S-8	9-[illegible]	[illegible]	S	1	X	X										157082	
S-9	9-[illegible]	1225	S	1			X									———	Not Rec'd
S-10	9-[illegible]	1310	S	1	X	X										157083	

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH
6 = Other _____, 7 = Other _____

Soil:
Water:

Special Instructions

Water Metals Filtered (Yes/No)?

Relinquished by	Company	Date / Time	Received by	Company
1) Ralph Capone	MFG	9-15-99 0300	1) Fed Ex	
2) Fed Ex		9/16/99 10[illegible]	2) [illegible]	STL-ENVIROTECH HOWARD SCHULZE
3)			3)	
4)			4)	

Laboratory Certifications: New Jersey (12543), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132)

Envirotech
a division of Severn Trent Laboratories, Inc.

STL Envirotech
777 New Durham Road
Edison, NJ 08817
Tel: (732) 549-3900
Fax: (732) 549-3679
www.stl-inc.com

October 19, 1999

McCulley, Frick & Gilman
1090 King Georges Post Road
Suite 703
Edison, NJ 08837

Attention: Mr. John Checcio

Re: Job No. T462 - True Temper

Dear Mr. Checcio:

Enclosed are the results you requested for the following sample(s) received at our laboratory on September 18, 1999:

Lab No.	Client ID	Analysis Required
157458	MW-1	PP VOA+10 w/Naphthalene, PP Metals
157459	MW-2	PP VOA+10 w/Naphthalene
157460	MW-3	PP VOA+10 w/Naphthalene, PP Metals
157461	MW-4	PP VOA+10 w/Naphthalene, PP Metals
157462	MW-6	PP VOA+10 w/Naphthalene, PP Metals
157463	MW-7	PP VOA+10 w/Naphthalene, PP Metals
157464	MW-8	PP VOA+10 w/Naphthalene, PP Metals
157465	MW-9	PP Metals
157466	Trip_Blank	PP VOA+10 w/Naphthalene
157467	Field_Blank	PP VOA+10 w/Naphthalene, PP Metals
157468	MW-1F	PP Metals
157469	MW-3F	PP Metals
157470	MW-4F	PP Metals
157471	MW-6F	PP Metals
157472	MW-7F	PP Metals
157473	MW-8F	PP Metals
157474	MW-9F	PP Metals
157475	S-11	PP VOA+10, PP BNA +20, DRO

Lab No.	Client ID	Analysis Required
157476	S-12	PP VOA+10, PP BNA+ 20, DRO
157477	S-13	PP VOA+10, PP BNA+ 20, DRO
157478	S-14	PP VOA+10, PP BNA+ 20, DRO
157479	MR-1	PP VOA+10 w/ Napthalene

An invoice for our services is also enclosed. If you have any questions please contact your Project Manager, Bianca Buckwalter, at (732) 549-3900.

Very truly yours,

Michael J. Urban
Laboratory Manager

TABLE OF CONTENTS

	Section	Page	Vol
Analytical Results Summary	1	1	1
General Information	2		1
Chain of Custody		64	
Laboratory Chronicles		67	
Methodology Review		85	
Data Reporting Qualifiers		88	
Non-Conformance Summary		89	
GC/MS Forms and Data	3		1/2
Results Summary and Chromatograms		91	
Tuning Results Summary		346	
Method Blank Results Summary		401	
Calibration Summary		438	
Surrogate Compound Recovery Summary		489	
Spike Recovery Summary		492	
Internal Standard Area Summary		499	
GC/FID Forms and Data (DRO)	4		2
Results Summary and Chromatograms		509	
Method Blank Results Summary		521	
Standards Summary		525	
Surrogate Compound Recovery Summary		549	
Spike Recovery Summary		550	
Metals Forms and Data	5		2
Analytical Results Summary		551	
Blank Results Summary		566	
Calibration Summary		571	
ICP Interference Check Results Summary		577	
Spike Sample Recovery Summary		581	
Sample and MS Duplicate Results Summary		584	
Laboratory Control Sample Results Summary		586	
Serial Dilution Summary		587	
Analysis Run Log		588	

Client ID: MW-1
Site: True Temper

Lab Sample No: 157458
Lab Job No: T462

Date Sampled: 09/16/99
Date Received: 09/18/99
Date Analyzed: 09/23/99
GC Column: DB624
Instrument ID: VOAMS6.i
Lab File ID: f4990.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.4
Bromomethane	ND	0.6
Vinyl Chloride	ND	0.5
Chloroethane	ND	0.4
Methylene Chloride	ND	1.0
Trichlorofluoromethane	ND	0.3
1,1-Dichloroethene	ND	0.5
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.5
cis-1,2-Dichloroethene	ND	0.4
Chloroform	ND	0.4
1,2-Dichloroethane	ND	0.3
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.4
Bromodichloromethane	ND	0.2
1,2-Dichloropropane	ND	0.1
cis-1,3-Dichloropropene	ND	0.3
Trichloroethene	ND	0.3
Dibromochloromethane	ND	0.3
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.3
2-Chloroethyl Vinyl Ether	ND	0.4
Bromoform	ND	0.3
Tetrachloroethene	ND	0.1
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.3
Chlorobenzene	ND	0.2
Ethylbenzene	ND	0.2
Xylene (Total)	ND	0.3
Naphthalene	5.3	0.1

a part of
Severn Trent Services Inc.

Client ID: MW-1
Site: True Temper

Lab Sample No: 157458
Lab Job No: T462

Date Sampled: 09/16/99
Date Received: 09/18/99
Date Analyzed: 09/23/99
GC Column: DB624
Instrument ID: VOAMS6.i
Lab File ID: f4990.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. 2,3-dihydro-methyl-1H-Indene isomer	16.64	16	
2. 2,3-dihydro-methyl-1H-Indene isomer	17.46	38	
3. 2,3-dihydro-dimethyl-1H-Indene isomer	17.77	57	
4. 2,3-dihydro-dimethyl-1H-Indene isomer	17.96	44	
5. Unknown Aromatic	18.41	19	
6. 2,3-dihydro-dimethyl-1H-Indene isomer	19.06	23	
7. 2,3-dihydro-trimethyl-1H-Indene isomer	19.55	19	
8. Methylnaphthalene isomer	19.86	69	
9. Dimethylnaphthalene isomer	21.06	22	
10. Dimethylnaphthalene isomer	21.31	27	
11.			
12.			
13.			
14.			
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TOTAL ESTIMATED CONCENTRATION 334

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Severn Trent Services Inc.

Client ID: MW-2
Site: True Temper

Lab Sample No: 157459
Lab Job No: T462

Date Sampled: 09/16/99
Date Received: 09/18/99
Date Analyzed: 09/23/99
GC Column: DB624
Instrument ID: VOAMS6.i
Lab File ID: f4991.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.4
Bromomethane	ND	0.6
Vinyl Chloride	ND	0.5
Chloroethane	ND	0.4
Methylene Chloride	ND	1.0
Trichlorofluoromethane	ND	0.3
1,1-Dichloroethene	ND	0.5
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.5
cis-1,2-Dichloroethene	ND	0.4
Chloroform	ND	0.4
1,2-Dichloroethane	ND	0.3
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.4
Bromodichloromethane	ND	0.2
1,2-Dichloropropane	ND	0.1
cis-1,3-Dichloropropene	ND	0.3
Trichloroethene	ND	0.3
Dibromochloromethane	ND	0.3
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.3
2-Chloroethyl Vinyl Ether	ND	0.4
Bromoform	ND	0.3
Tetrachloroethene	ND	0.1
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.3
Chlorobenzene	ND	0.2
Ethylbenzene	ND	0.2
Xylene (Total)	3.7	0.3
Naphthalene	76	0.1

a part of
Severn Trent Services Inc.

STL Envirotech

Client ID: MW-2
Site: True Temper

Lab Sample No: 157459
Lab Job No: T462

Date Sampled: 09/16/99
Date Received: 09/18/99
Date Analyzed: 09/23/99
GC Column: DB624
Instrument ID: VOAMS6.i
Lab File ID: f4991.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. C9H10 Aromatic/C10H14 Aromatic	16.05	14	
2. Tetramethylbenzene isomer	16.93	24	
3. 2,3-dihydro-methyl-1H-Indene isomer	17.46	31	
4. Coeluting Aromatics	17.77	25	
5. 2,3-dihydro-dimethyl-1H-Indene isomer	17.96	19	
6. 2,3-dihydro-dimethyl-1H-Indene isomer	18.81	14	
7. Methylnaphthalene isomer	19.58	42	
8. Methylnaphthalene isomer	19.86	71	
9. Dimethylnaphthalene isomer	21.05	24	
10. Dimethylnaphthalene isomer	21.31	42	
11.			
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TOTAL ESTIMATED CONCENTRATION 306

a part of Severn Trent Services Inc

Client ID: MW-3
Site: True Temper

Lab Sample No: 157460
Lab Job No: T462

Date Sampled: 09/16/99
Date Received: 09/18/99
Date Analyzed: 09/23/99
GC Column: DB624
Instrument ID: VOAMS6.i
Lab File ID: f4992.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.4
Bromomethane	ND	0.6
Vinyl Chloride	ND	0.5
Chloroethane	ND	0.4
Methylene Chloride	ND	1.0
Trichlorofluoromethane	ND	0.3
1,1-Dichloroethene	ND	0.5
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.5
cis-1,2-Dichloroethene	ND	0.4
Chloroform	ND	0.4
1,2-Dichloroethane	ND	0.3
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.4
Bromodichloromethane	ND	0.2
1,2-Dichloropropane	ND	0.1
cis-1,3-Dichloropropene	ND	0.3
Trichloroethene	ND	0.3
Dibromochloromethane	ND	0.3
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.3
2-Chloroethyl Vinyl Ether	ND	0.4
Bromoform	ND	0.3
Tetrachloroethene	ND	0.1
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.3
Chlorobenzene	ND	0.2
Ethylbenzene	ND	0.2
Xylene (Total)	ND	0.3
Naphthalene	0.5	0.1

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Envirotech

Client ID: MW-3
Site: True Temper

Lab Sample No: 157460
Lab Job No: T462

Date Sampled: 09/16/99
Date Received: 09/18/99
Date Analyzed: 09/23/99
GC Column: DB624
Instrument ID: VOAMS6.i
Lab File ID: f4992.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. Ethyldimethylbenzene isomer	16.94	9.5	
2. 2,3-dihydro-methyl-1H-Indene isomer	17.46	13	
3. Coeluting Aromatics	17.77	12	
4. 2,3-dihydro-dimethyl-1H-Indene isomer	17.96	9.4	
5. 2,3-dihydro-dimethyl-1H-Indene isomer	18.81	5.8	
6. Tetrahydromethylnaphthalene isomer	19.07	6.5	
7. Methylnaphthalene isomer	19.86	12	
8. Dimethylnaphthalene isomer	21.06	8.4	
9. Dimethylnaphthalene isomer	21.31	16	
10. Dimethylnaphthalene isomer	21.74	6.2	
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TOTAL ESTIMATED CONCENTRATION 99

a part of
Severn Trent Services Inc.

Client ID: MW-4
Site: True Temper

Lab Sample No: 157461
Lab Job No: T462

Date Sampled: 09/16/99
Date Received: 09/18/99
Date Analyzed: 09/24/99
GC Column: DB624
Instrument ID: VOAMS6.i
Lab File ID: f5017.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.4
Bromomethane	ND	0.6
Vinyl Chloride	ND	0.5
Chloroethane	ND	0.4
Methylene Chloride	ND	1.0
Trichlorofluoromethane	ND	0.3
1,1-Dichloroethene	ND	0.5
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.5
cis-1,2-Dichloroethene	ND	0.4
Chloroform	ND	0.4
1,2-Dichloroethane	ND	0.3
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.4
Bromodichloromethane	ND	0.2
1,2-Dichloropropane	ND	0.1
cis-1,3-Dichloropropene	ND	0.3
Trichloroethene	ND	0.3
Dibromochloromethane	ND	0.3
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.3
2-Chloroethyl Vinyl Ether	ND	0.4
Bromoform	ND	0.3
Tetrachloroethene	ND	0.1
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.3
Chlorobenzene	ND	0.2
Ethylbenzene	ND	0.2
Xylene (Total)	ND	0.3
Naphthalene	ND	0.1

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Severn Trent Services Inc.

STL Envirotech

Client ID: MW-4
Site: True Temper

Lab Sample No: 157461
Lab Job No: T462

Date Sampled: 09/16/99
Date Received: 09/18/99
Date Analyzed: 09/24/99
GC Column: DB624
Instrument ID: VOAMS6.i
Lab File ID: f5017.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
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TOTAL ESTIMATED CONCENTRATION 0.0

a part of Severn Trent Services Inc.

Client ID: MW-6
Site: Truc Temper

Lab Sample No: 157462
Lab Job No: T462

Date Sampled: 09/16/99
Date Received: 09/18/99
Date Analyzed: 09/23/99
GC Column: DB624
Instrument ID: VOAMS6.i
Lab File ID: f4994.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.4
Bromomethane	ND	0.6
Vinyl Chloride	ND	0.5
Chloroethane	ND	0.4
Methylene Chloride	ND	1.0
Trichlorofluoromethane	ND	0.3
1,1-Dichloroethene	ND	0.5
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.5
cis-1,2-Dichloroethene	ND	0.4
Chloroform	5.1	0.4
1,2-Dichloroethane	ND	0.3
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.4
Bromodichloromethane	ND	0.2
1,2-Dichloropropane	ND	0.1
cis-1,3-Dichloropropene	ND	0.3
Trichloroethene	ND	0.3
Dibromochloromethane	ND	0.3
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.3
2-Chloroethyl Vinyl Ether	ND	0.4
Bromoform	ND	0.3
Tetrachloroethene	ND	0.1
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.3
Chlorobenzene	ND	0.2
Ethylbenzene	ND	0.2
Xylene (Total)	ND	0.3
Naphthalene	ND	0.1

a part of
Severn Trent Services Inc.

Client ID: MW-6
Site: True Temper

Lab Sample No: 157462
Lab Job No: T462

Date Sampled: 09/16/99
Date Received: 09/18/99
Date Analyzed: 09/23/99
GC Column: DB624
Instrument ID: VOAMS6.i
Lab File ID: f4994.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
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TOTAL ESTIMATED CONCENTRATION 0.0

a part of Severn Trent Services Inc.

Envirotech

Client ID: MW-7
Site: True Temper

Lab Sample No: 157463
Lab Job No: T462

Date Sampled: 09/16/99
Date Received: 09/18/99
Date Analyzed: 09/24/99
GC Column: DB624
Instrument ID: VOAMS6.i
Lab File ID: f4995.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.4
Bromomethane	ND	0.6
Vinyl Chloride	ND	0.5
Chloroethane	ND	0.4
Methylene Chloride	ND	1.0
Trichlorofluoromethane	ND	0.3
1,1-Dichloroethene	ND	0.5
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.5
cis-1,2-Dichloroethene	ND	0.4
Chloroform	ND	0.4
1,2-Dichloroethane	ND	0.3
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.4
Bromodichloromethane	ND	0.2
1,2-Dichloropropane	ND	0.1
cis-1,3-Dichloropropene	ND	0.3
Trichloroethene	ND	0.3
Dibromochloromethane	ND	0.3
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.3
2-Chloroethyl Vinyl Ether	ND	0.4
Bromoform	ND	0.3
Tetrachloroethene	ND	0.1
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	2.5	0.3
Chlorobenzene	ND	0.2
Ethylbenzene	ND	0.2
Xylene (Total)	ND	0.3
Naphthalene	ND	0.1

a part of
Severn Trent Services Inc.

Client ID: MW-7
Site: True Temper

Lab Sample No: 157463
Lab Job No: T462

Date Sampled: 09/16/99
Date Received: 09/18/99
Date Analyzed: 09/24/99
GC Column: DB624
Instrument ID: VOAMS6.i
Lab File ID: f4995.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
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24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION 0.0

a part of
Severn Trent Services Inc.

Client ID: MW-8
Site: True Temper

Lab Sample No: 157464
Lab Job No: T462

Date Sampled: 09/16/99
Date Received: 09/18/99
Date Analyzed: 09/24/99
GC Column: DB624
Instrument ID: VOAMS6.i
Lab File ID: f4996.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.4
Bromomethane	ND	0.6
Vinyl Chloride	ND	0.5
Chloroethane	ND	0.4
Methylene Chloride	ND	1.0
Trichlorofluoromethane	ND	0.3
1,1-Dichloroethene	ND	0.5
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.5
cis-1,2-Dichloroethene	ND	0.4
Chloroform	ND	0.4
1,2-Dichloroethane	ND	0.3
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.4
Bromodichloromethane	ND	0.2
1,2-Dichloropropane	ND	0.1
cis-1,3-Dichloropropene	ND	0.3
Trichloroethene	ND	0.3
Dibromochloromethane	ND	0.3
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.3
2-Chloroethyl Vinyl Ether	ND	0.4
Bromoform	ND	0.3
Tetrachloroethene	ND	0.1
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.3
Chlorobenzene	ND	0.2
Ethylbenzene	ND	0.2
Xylene (Total)	ND	0.3
Naphthalene	ND	0.1

a part of
Severn Trent Services Inc.

Envirotech

Client ID: MW-8
Site: True Temper

Lab Sample No: 157464
Lab Job No: T462

Date Sampled: 09/16/99
Date Received: 09/18/99
Date Analyzed: 09/24/99
GC Column: DB624
Instrument ID: VOAMS6.i
Lab File ID: f4996.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
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14.			
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27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION 0.0

a part of
Severn Trent Services Inc.

Envirotech

Client ID: Trip_Blank
Site: True Temper

Lab Sample No: 157466
Lab Job No: T462

Date Sampled: 09/10/99
Date Received: 09/18/99
Date Analyzed: 09/24/99
GC Column: DB624
Instrument ID: VOAMS6.i
Lab File ID: f4997.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.4
Bromomethane	ND	0.6
Vinyl Chloride	ND	0.5
Chloroethane	ND	0.4
Methylene Chloride	ND	1.0
Trichlorofluoromethane	ND	0.3
1,1-Dichloroethene	ND	0.5
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.5
cis-1,2-Dichloroethene	ND	0.4
Chloroform	ND	0.4
1,2-Dichloroethane	ND	0.3
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.4
Bromodichloromethane	ND	0.2
1,2-Dichloropropane	ND	0.1
cis-1,3-Dichloropropene	ND	0.3
Trichloroethene	ND	0.3
Dibromochloromethane	ND	0.3
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.3
2-Chloroethyl Vinyl Ether	ND	0.4
Bromoform	ND	0.3
Tetrachloroethene	ND	0.1
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.3
Chlorobenzene	ND	0.2
Ethylbenzene	ND	0.2
Xylene (Total)	ND	0.3
Naphthalene	ND	0.1

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Client ID: Trip_Blank
Site: True Temper

Lab Sample No: 157466
Lab Job No: T462

Date Sampled: 09/10/99
Date Received: 09/18/99
Date Analyzed: 09/24/99
GC Column: DB624
Instrument ID: VOAMS6.i
Lab File ID: f4997.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
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26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION 0.0

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Severn Trent Services Inc.

Envirotech

Client ID: Field_Blank
Site: True Temper

Lab Sample No: 157467
Lab Job No: T462

Date Sampled: 09/16/99
Date Received: 09/18/99
Date Analyzed: 09/24/99
GC Column: DB624
Instrument ID: VOAMS6.i
Lab File ID: f4998.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.4
Bromomethane	ND	0.6
Vinyl Chloride	ND	0.5
Chloroethane	ND	0.4
Methylene Chloride	ND	1.0
Trichlorofluoromethane	ND	0.3
1,1-Dichloroethene	ND	0.5
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.5
cis-1,2-Dichloroethene	ND	0.4
Chloroform	0.5	0.4
1,2-Dichloroethane	ND	0.3
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.4
Bromodichloromethane	0.6	0.2
1,2-Dichloropropane	ND	0.1
cis-1,3-Dichloropropene	ND	0.3
Trichloroethene	ND	0.3
Dibromochloromethane	0.8	0.3
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.3
2-Chloroethyl Vinyl Ether	ND	0.4
Bromoform	0.4	0.3
Tetrachloroethene	ND	0.1
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.3
Chlorobenzene	ND	0.2
Ethylbenzene	ND	0.2
Xylene (Total)	ND	0.3
Naphthalene	ND	0.1

a part of
Severn Trent Services Inc.

Client ID: Field Blank
Site: True Temper

Lab Sample No: 157467
Lab Job No: T462

Date Sampled: 09/16/99
Date Received: 09/18/99
Date Analyzed: 09/24/99
GC Column: DB624
Instrument ID: VOAMS6.i
Lab File ID: f4998.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
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22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION 0.0

a part of
Severn Trent Services Inc.

EXHIBIT L

PRELIMINARY FIRST TIER RISK EVALUATION
TRUE TEMPER SAWMILL
WALLINGFORD, VERMONT

1.0 INTRODUCTION

EHS Technology Group, LLC, (EHS) performed a qualitative assessment of human health risks at the True Temper Sawmill facility in Wallingford, Vermont, in accordance with the Vermont Agency of Natural Resources' two-tiered approach to the evaluation of human health risks at a hazardous release site. A human health risk evaluation is warranted at the Wallingford True Temper facility because petroleum-contaminated soil has been identified on site at a depth of approximately ten feet. It is believed that the petroleum products released to the soil were primarily No. 2 fuel oil. There are also laboratory indications that diesel, motor oil, and kerosene may also have been released, or that these detected compounds may be the result of the breakdown of the fuel oil.

2.0 VERMONT TWO-TIERED RISK EVALUATION APPROACH

The Sites Management Section (SMS) of the Waste Division of the Vermont Agency of Natural Resources provides for a two-tiered approach to the evaluation of human health risks potentially deriving from a contaminated site: a qualitative approach, and if necessary, a quantitative approach. These approaches are outlined in both the SMS Site Investigation Guidance and the SMS Corrective Action Guidance. The SMS assumes that in most cases, risk assessments will be qualitative in nature.

The qualitative approach entails obtaining representative sampling results for each possible pathway of concern. These results are then compared with existing standards or risk-based concentrations. The SMS uses existing Vermont groundwater, surface water, indoor air, and outdoor air standards, and risk-based concentrations for soils. Background is also considered in these determinations. If the concentrations identified by sampling are around an order of magnitude less than these standards or risk-based concentrations, then the SMS concludes that there is little risk posed by the hazardous compounds. If the concentrations identified by sampling are around an order of magnitude greater than these standards or risk-based concentrations, then the SMS concludes that there may be an unacceptable risk posed by the hazardous compounds and requests that additional work, including possibly a detailed quantitative risk assessment, cleanup, or ongoing monitoring, be performed. If the concentrations identified by sampling are between an order of magnitude less than to an order of magnitude greater than the standards or risk-based concentration, then the SMS evaluates these situations on a case-by-case basis. In these cases, the SMS may ask for additional evaluation concerning risk, including additional qualitative, and in some cases, quantitative evaluation of risk posed by the hazardous compounds. The data collected for the petroleum release area places the Wallingford facility in the last category.

3.0 QUALITATIVE RISK EVALUATION

The following tables provide a qualitative evaluation of risk by comparing sampling results from the various environmental media at the Wallingford site with their respective state or federal environmental standards or with risk-based concentrations (RBCs) from USEPA Region III, the American Society for Testing and Materials (ASTM) Risk-Based Screening Levels (RBSLs) (from ASTM Standard Guide E1739-95), and USEPA Generic Soil Screening Levels (SSLs)[1].

Given that there are less than twenty soil sample results for each compound at the Wallingford site and just twenty-one groundwater sample results for each compound, and given that there are a high percentage of results below method detection limits ("non-detects") for each compound, a statistical average of the sampling results was not attempted for this data. (According to U.S. EPA risk assessment guidance[2], one would typically calculate the 95th percentile of the upper confidence limit of the geometric mean of the data for each compound to use as the concentration term in risk assessment calculations. Generally, at least twenty sample results and less than 50 percent non-detect results are needed to calculate true estimations of mean and standard deviations from censored data, according to RCRA statistical guidance documents[3]. Therefore, as recommended by the *RAGS* document (see Footnote 2) in these instances, the maximum detected concentration for each site constituent is used in the following qualitative comparison.

3.1 Data Comparisons

The sampling data compiled and compared to the Vermont comparison standards include EHS's soil and groundwater sampling data from February, March, May, and September, 1999, EHS's surface water data from May and September 1999, soil analytical results from four samples collected by MFG at the site of EHS borings in September 1999, groundwater analytical results from split samples collected by MFG from wells installed by EHS in September 1999, and basement air samples collected in September 1999. These data are discussed in greater detail in Section 4.3, *Laboratory Analytical Results*, in the main body of this report.

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1 *Soil Screening Guidance: Technical Background Document* (May 1996), USEPA Office of Solid Waste and Emergency Response, EPA/540/R-95/128).

2 *Risk Assessment Guidance for Superfund: Volume I, Human Health Evaluation Manual (Part A)*, (USEPA, Interim final, 1989) (referred to hereafter as *RAGS*).

3 *Statistical Analysis of Ground-Water Monitoring Data at RCRA Facilities*, Interim Final Guidance (April 1989) and Addendum to Interim Final Guidance (April 1992), USEPA.

Table E-1 Soil Qualitative Risk Comparison

Compounds \ Location	Maximum Concentration Detected	USEPA Region III RBCs (Industrial)	USEPA Region III RBCs (Residential)	USEPA Generic SSLs (Ingestion /Inhalation Routes)	ASTM Generic RBSLs**
Benzene µg/Kg	3.0	1.0E+05	1.2E+04	22,000/800	5.82E+03
sec-Butylbenzene µg/Kg	14.6	8.2E+07	3.1E+06	NA	NA
Ethylbenzene µg/Kg	3,920	2.0E+08	7.8E+06	7,800,000/ 400,000	7.83E+06
p-Isopropyltoluene µg/Kg	55.1	NA	NA	NA	NA
Methylene Chloride µg/Kg	4.5 (B)	7.6E+05	8.5E+04	85,000/13,000	NA
Naphthalene µg/Kg	81.6	4.1E+07	1.6E+06	3,100,000/NA	9.77E+05
Total Petroleum Hydrocarbons *mg/l*	49,500	NA	NA	NA	NA
n-Propylbenzene µg/Kg	10.7	8.2E+07	3.1E+06	NA	NA
Toluene µg/Kg	112	4.1E+08	1.6E+07	16,000,000/650,000	1.33E+07
1,2,4-Trimethylbenzene µg/Kg	125	1.0E+08	3.9E+06	NA	NA
1,3,5-Trimethylbenzene µg/Kg	60.1	1.0E+08	3.9E+06	NA	NA
Xylenes µg/Kg	800	4.1E+09	1.6E+08	1.6E+08/ 410,000	1.45E+09

Table E-1 Notes:

BDL Below Detection Limits, or below practical quantitation limits for a specific sample

NA Values not available in the given reference.

< Concentration of compound was not detected, but may be less than the accompanying practical quantitation limit.

PAHs are compared to values for Benzo(a)pyrene, the PAH with the greatest cancer potency and most restrictive comparison values.

** Site concentrations are compared to residential RBSLs for surficial soil ingestion/dermal contact/inhalation pathways only, for the lesser of the cancer risk (1E-6) or chronic hazard quotient (HQ).

(B) Also detected in laboratory blank.

The following maximum detected groundwater concentrations are compared to Vermont Primary Groundwater Quality Standards[4].

Table E-2 Ground Water Qualitative Risk Comparison

Compounds		Maximum Concentration Detected	VT Primary GW Quality Standard (Enforcement Std.)	VT Primary GW Quality Standard (Preventive Action Level)
VOCs				
Benzene	µg/l	<2	5.0	0.5
Chloroform	µg/l	5.7	6.0	0.6
Ethylbenzene	µg/l	<2	700	350
Toluene	µg/l	2.5	1,000	500
Total Xylenes	µg/l	11	10,000	5,000
SVOCs				
Acenaphthene	µg/l	163	NA	NA
Anthracene	µg/l	546	2,100	1,050
bis(2-ethylhexyl) phthalate	µg/l	13	NA	NA
Dibenzofuran	µg/l	15	NA	NA
Flouranthene	µg/l	169	280	140
Flourene(s)	µg/l	**898**	280	140
Naphthalene	µg/l	**76**	20	10
Phenanthrene	µg/l	1450	NA	NA
Pyrene	µg/l	135	NA	NA
Other SVOCs		BDL		--

BDL Below Detection Limits, or below practical quantitation limits for a specific sample.
NA not available
Bold values reflect concentrations that exceed the standard.
< Concentration of compound was not detected, but may be less than the accompanying practical quantitation limit.
* Primary Groundwater Quality Standards have not been established for these non-carcinogenic PAHs.

4 *Chapter 12, Groundwater Protection Rule and Strategy (Rule 97-P14)*, Vermont Agency of Natural Resources, Department of Environmental Conservation (Effective Date: November 15, 1997).

The following maximum detected surface water concentrations are compared to Vermont Water Quality Criteria for the Protection of Human Health[6].

Table E-3 Surface Water Qualitative Risk Comparison

Compounds		Maximum Concentration Detected	WQC for consumption of water & organisms	WQC for consumption of organisms only
Benzene	µg/l	<2.0	1.2	71
Ethylbenzene	µg/l	<2.0	3,100	29,000
Toluene	µg/l	1.1	6,800	200,000
Xylene	µg/l	<2.0	NA	NA
Other VOCs		BDL	–	--
All SVOCS		BDL	–	--

WQC Water Quality Criteria for Protection of Human Health
BDL Below detection Limits, or below practical quantitation limits for a specific sample.
NA Not available
< Concentration of compound was not detected, but may be less than the accompanying practical quantitation limit.

Basement air quality was sampled in four buildings on site. No measurable concentrations of volatile organic compounds were detected in any of these basements on the site. Thus a comparison of site constituent concentrations in air to Vermont air quality standards was not attempted.

3.2 Conclusions

The foregoing risk comparisons show that most of the maximum detected concentrations of the site constituents are at least an order of magnitude below the comparison values, for those compounds which have established comparison values. The exceptions to this observation were benzene in all media and some of the semivolatile organic compounds in groundwater. The next two paragraphs describe these exceptions.

Benzene was never detected above the method detection level in any of the environmental samples collected at the Site. However, under the conservative assumptions of risk assessments, the practical quantitation limits (the detection limit for one particular sample in one particular analysis) for benzene analysis in soil, groundwater, and surface water samples at the Wallingford site were compared to the respective Vermont or risk-based standards. The comparison reveals that practical quantitation limits for benzene in groundwater samples from the Wallingford facility are within an order of magnitude less than the comparison values.

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6 *Vermont Water Quality Standards*...(Effective Date: April 21, 1997)

Concentrations of some of the semivolatile organic compounds (SVOCs, particularly the polycyclic aromatic hydrocarbons, or PAHs) were detected in groundwater at the Wallingford site. Five of the nine detected SVOCs do not have an established Vermont Primary Groundwater Quality Enforcement Standard (refer to Chapter 12: *Groundwater Protection Rule and Strategy*, Vermont Agency of Natural Resources, Department of Environmental Conservation, November 1997). Two of the PAHs, fluorene and naphthalene, were detected at concentrations within one order of magnitude greater than the Vermont Primary Groundwater Quality Enforcement Standard.

In evaluating the qualitative risks to human health and the environment attributable to the Wallingford site, it is appropriate to consider the potential for human exposure. Potential receptors for this site were discussed above in Section 2.4 of the main Site Investigation Report. The site is in an older commercial/industrial vicinity, with commercial and municipal properties to the south, Otter Creek and a gravel pit to the west, the village wastewater treatment plant to the north, and abandoned rail lines and a vacant sawmill operation to the east. Residential areas are located farther out from the site and the properties just described. Thus, an industrial population (or scenario) of adult site workers (no children) is identified as the potentially exposed human population

Neither groundwater nor surface water in the vicinity of the site is used for drinking water or showering purposes, as discussed in Section 2.4 of the main Site Investigation Report. Nearby homes and businesses are supplied with public drinking water that is drawn from a well field that is south of town and upgradient of the site. Therefore, groundwater pathways of exposure to site contaminants are considered incomplete for the subject property.

The petroleum-contaminated soil on site has been identified at a depth of approximately eight to ten feet, below the depth typically required for utility excavations. There are no direct surface exposures of the contaminated soil. Contaminated soil vapors are not migrating to the nearest basements, which are approximately 200 feet from the release area (refer to basement PID data presented in Section 4.2.2, *Basement Investigation*). Thus, dermal contact of excavation workers to contaminated subsurface soil, ingestion of contaminated soil, inhalation of contaminated soil particulates, and inhalation of vapors volatilized from subsurface contaminated soil are considered to be unlikely and incomplete pathways of exposure for this property.

Based on the foregoing information, no realistic current nor future potentially exposed human population was identified.

The results of the foregoing comparisons (i.e., that the maximum detected level of SVOCs was less than one order of magnitude greater than the comparison standards) fall within the situation (described in Section 2.0 of this qualitative risk assessment) in which the SMS may ask for additional evaluation concerning risk, including additional qualitative, and in some cases, quantitative evaluation of risk posed by the hazardous compounds. The SMS evaluates these situations on a case-by-case basis.