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April 1, 1998

APR 2 10 35 AM '98

Bob Haslam, Hazardous Materials Specialist
Sites Management Section
Vermont Department of Environmental Conservation
103 South Main Street/West Office
Waterbury, VT 05671-0404

Re: Site Investigation Report, Monkton General Store
SMS Site #97-2183

Dear Bob:

Enclosed is our report on site investigation efforts at the Monkton General Store in Monkton Ridge, Vermont.

Pending your review of the report and our recommendations, we will prepare a work scope and cost estimate for additional work items. If you would like to schedule a meeting, perhaps at the site, please give us a call.

Sincerely,
HOFFER & ASSOCIATES

Jefferson P. Hoffer, P.G.
Principal Hydrogeologist

enc.

cc: Jim and Penny Cyr, Monkton General Store

APR 2 10 36 AM '98

SITE INVESTIGATION REPORT

MONKTON GENERAL STORE
MONKTON RIDGE, VERMONT
SMS SITE #97-2183

April 1998

Prepared on Behalf of:
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1.0 INTRODUCTION

1.1 Background Information & Scope of Work

Underground storage tanks (USTs) at the Monkton General Store (MGS) were replaced in May of 1997. Two 4,000-gallon USTs were excavated and removed at that time, and a 10,000-gallon replacement UST was installed. Petroleum contamination was observed in soil and shallow groundwater in the vicinity of the removed USTs, as well as in a test pit excavated in an area originally targeted for the replacement UST installation (south side of store). A copy of the initial site assessment report is provided in Appendix A.

In response to the site assessment report, the Vermont Agency of Natural Resources' Waste Management Division (WMD) requested that a site investigation be performed. Hoffer & Associates (H&A) initiated a site investigation in early 1998. A copy of the WMD request for site investigation, and H&A's scope of work, are included in Appendix A. The original scope of work was modified during this investigation after the discovery of contamination in several drinking water supplies. Supplemental efforts beyond the original scope of work included additional monitoring well installations and additional sampling and analysis of monitoring wells and supply wells.

The MGS is owned by James and Penny Cyr (JP CYR, Inc.), who purchased the store and property from the Austin's in 1986. The Austin's purchased the store from Guy Burritt around 1980. When the Cyr's purchased the property in 1986, new USTs were installed at that time. The USTs installed in 1986 were placed in the same excavation of the older tanks. The age of the older tanks is unknown. According to the MGS owners, personnel from the State of Vermont witnessed the 1986 tank replacement activities. Although these tanks were reportedly in good condition, several truckloads of contaminated soil (believed to contaminated from overfilling) were hauled off-site.

1.2 Site Environmental Setting

The Monkton General Store is located in Monkton Ridge, Vermont. The Village of Monkton Ridge is located within the Champlain Valley, approximately halfway between Hinesburg to the north and Bristol to the south (see Figure 1). The Village, which consists of 30 or so residences, is situated along a prominent topographic ridge bisected by the Monkton Ridge Road (Silver Street). The MGS is located at the intersection of the Monkton Ridge Road and the State's Prison Hollow Road, which leads to Starksboro. Properties in the immediate vicinity includes residences, the Monkton Town Clerk's office, and the Monkton Library (see Figures 2 and 3).

According to the Surficial Geologic Map of Vermont (Doll, 1970) and Stewart's (1973) surficial map, the site is underlain by gravel. The mapped contacts (Doll, 1970) of surficial materials in the immediate vicinity are shown on Figure 1.

According to the bedrock geologic map of Vermont (Doll, 1961), bedrock in the vicinity consists of Cambrian sedimentary rocks (Cheshire quartzite and Dunham dolomite). Monkton Ridge overlies a thrust fault, and the fault's trace is mapped just to west of and parallel to Monkton Ridge Road. Bedrock immediately beneath the site is mapped as the Cheshire quartzite, which has been thrust over the younger Dunham dolomite.

Surface water features in the area include Cedar Lake, located about 1000 feet southwest of the MGS with a mean lake level of 492 feet above mean sea level (AMSL). Elevation at the MGS site is about 600 feet AMSL. A small stream is located about 1000 feet southeast of the MGS, and flows eastward toward Pond Brook.

All the residences in the vicinity rely on either drilled bedrock wells or dug wells, and individual sewage disposal systems. The locations of known water supplies are included on Figure 3. Some of the residences which currently have drilled bedrock wells also have shallow dug wells which are no longer used for drinking water.

Another location on Monkton Ridge has been under investigation since 1991 due to petroleum-related contamination (former Bennett's Garage, SMS Site #91-1120).

2.0 SITE CHARACTERIZATION METHODS & RESULTS

2.1 Overburden Soil Borings/Monitoring Well Installations

Seven shallow groundwater monitoring wells were installed at the site during two separate mobilizations, February 11, 1998, and on March 10, 1998. One monitoring well already existed at the site (MW-1), a four-inch PVC well which was apparently originally installed by S.B. Collins as a leak-detection monitoring well. The seven new monitoring wells were installed by Adams Engineering under the supervision of H&A geologist Tim Schmalz. Monitoring well locations are indicated on Figure 4. The wells were installed according to protocols outlined in the work plan. Soil boring and monitoring well construction logs are provided in Appendix B.

2.1.1 Stratigraphy

Soils observed during the well installations consisted of soft silty sand underlain by weathered till and till. The silty sand extends to depths between four and seven feet below grade (BG). Weathered till is typically present at depths of five to six feet, and grades into dense, unweathered till fairly rapidly. Refusal on the till occurred in all seven boreholes at depths ranging from 9 to 12.5 feet BG. Some of the samples of the till were dry. Groundwater is present in all seven wells at depths ranging from 4 to7 feet BG, within the silty sand layer. The underlying till appears to provide a low permeability base to the thin saturated zone within the silty sands.

2.1.2 Soil Contamination

A photoionization detector (PID) was used to monitor for soil contamination during the well drilling effort. Screening was accomplished by placing soil samples into plastic zip-lock bags, and then inserting the PID probe into the headspace. The highest PID responses were found in soil from 5 to 10 feet in the MW-103 borehole. Other elevated PID responses were found in soil samples from MW-101, where PID readings ranged from 1.2 to 46.9 ppm. Slightly elevated PID responses were obtained for soil samples from MW-102, and ranged from 1.3 to 5.0 ppm. There were no elevated PID responses for soil samples collected during the installations of MW-104, MW-105, MW-106, or MW-107.

2.2 Overburden Groundwater Elevations & Flow Direction

Water levels were measured in the seven monitoring wells on March 16, 1998. Table 1 presents depth to water measurements and converted elevations. Figure 5 presents a water-table map for the overburden, which depicts a southeasterly groundwater flow direction, under a gradient of approximately 7.5%.

2.3 Overburden Water Quality

Groundwater sampling events were conducted on three dates; February 20, March 5, and March 16, 1998. Each of the seven new monitoring wells were sampled once for benzene, toluene, ethylbenzene, xylenes (BTEX) and methyl-tert-butyl-ether (MTBE) using EPA Method 8020 by SCITEST, Inc. Samples were also collected from four dug wells (no longer in use as water supplies), and from the stream located southeast of the MGS. These samples were also analyzed for BTEX/MTBE by EPA Method 8020. Laboratory reports are included in Appendix C, and are tabulated on Tables 2 - 4 according to sampling date.

For the overburden samples (and stream sample), contamination was found only in monitoring wells MW-101 and MW-103. Both of these wells showed relatively high concentrations of BTEX compounds. MTBE was detected in MW-101 at 24,400 ug/L (micrograms per liter), but was not detected in MW-103 above a detection limit of 20 ug/L. No BTEX or MTBE was detected in the remaining five monitoring wells, the stream sample, or the four dug wells.

Figure 6 presents an isoconcentration contour map for benzene in shallow groundwater. Since benzene was detected in only two of the wells, the contours presented on Figure 6 are subjective, and the downgradient extent of contamination is uncertain.

2.4 Bedrock Groundwater Quality

During the initial sampling event on February 20, 1998, samples from five bedrock supply wells (MGS, C. Burritt, Gaudette, H. Burritt, and a well shared by the Town Clerk's office and the Town Library) were collected and analyzed for BTEX/MTBE using EPA Method 8020. As shown on Table 2, low concentrations of MTBE and/or benzene were detected in all of these wells except the H. Burritt well. These wells were re-sampled, along with additional water supply wells, on March 5 and 16, 1998. The supply well samples were analyzed for volatile organic compounds (VOCs) using EPA Method 524.1. This method provides a lower detection limit and more extensive compound list than the 8020 method. During the March 5 and 16 sampling events, field measurements were taken for pH, temperature, and specific conductance at all sampling locations.

The supply well sampling results are included on Tables 2 - 4. A summary of VOCs detected in site monitoring wells and bedrock supply wells is given below.

values in ug/L (micrograms per liter)

Well	B	T	E	X	M	1,2 DCA	THF	DCDFM
MW-101	1480	8440	109	3800	24400	NT	NT	NT
MW-103	284	722	413	1960	< 20	NT	NT	NT
T. Clerk/ Library BW	43	< 0.5	< 0.5	< 0.5	48	2.3	22	< 0.5
Gaudette BW	0.4	< 0.5	< 0.5	< 0.5	3.5	< 0.5	< 0.5	< 0.5
C. Burritt BW	4.7	< 0.5	< 0.5	< 0.5	8.1	< 0.5	< 0.5	< 0.5
MGS (Cyr) BW	< 0.5	< 0.5	< 0.5	< 0.5	1.4	< 0.5	< 0.5	< 0.5
Fitzgerald BW	trace*	< 0.5	< 0.5	< 0.5	3.3	< 0.5	< 0.5	< 0.5
Moody BW	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.2
MCL	**5**	**1000**	**700**	**10000**	**-**	**5**	**-**	**-**
VHA	**1.0**	**-**	**-**	**-**	**40**	**0.5**	**-**	**1000**
VT GES	**5**	**1000**	**700**	**10000**	**40**	**5**	**-**	**1000**

B - benzene, T - toluene, E - ethylbenzene, X - xylenes, M - MTBE, 1,2 DCA - 1,2-dichloroethane,
THF = tetrahydrofuran, DCDFM - dichlorodifluoromethane, MCL - maximum contaminant level for drinking water, VT GES - groundwater enforcement standard, VHA - Vermont Health Advisory, BW - bedrock well
< 5 - less than a detection limit of 5 ug/L, trace* = detected below a quantitation limit of 0.21 ug/L, NT - not tested

The only well where concentrations exceeded maximum contaminant levels (MCL) for drinking water is the Town Clerk/Town Library (TCTL) well, where benzene was detected at 43 ug/L, exceeding the MCL for benzene of 5.0 ug/L. The concentration of MTBE (which does not currently have a MCL) in the TCTL well also exceeded the 40 ug/L Vermont Health Advisory (VHA) for drinking water set by the Vermont Department of Health. In addition, the concentration of 1,2 dichloroethane detected in the TCTL well also exceeds the VHA level for this compound.

The only other supply well to show an exceedance of the VHA levels is the C. Burritt well, which showed 4.7 ug/L of benzene, just below the MCL of 5.0 ug/L, but exceeding the VHA of 1.0 ug/L for benzene.

Low concentrations of benzene was also found in the Gaudette and Fitzgerald wells, although at concentrations below the MCL and VHA threshold values. MTBE was also detected at low concentrations in the C. Burritt, Gaudette, MGS (Cyr), and Fitzgerald wells.

Other VOCs detected include tetrahydrofuran, at 22 ug/L in the TCTL well, and dichlorodifluoromethane, at 0.2 ug/L in the Moody well. There are no VTGES, MCL or VHA concentrations for THF. The VHA and VTGES for dichlorodifluoromethane is 1000 ug/L.

The distribution of VOCs detected at the site is illustrated on Figure 7, which presents all contaminant data for both the overburden and bedrock aquifer.

2.5 Bedrock Well Data

A summary of water supplies within the vicinity of the MGS are compiled on Table 5, and available bedrock well logs are included in Appendix D.

For the supply wells where petroleum-related contamination was detected, depths to bedrock exceed 100 feet. Overburden descriptions on the logs indicate "hardpan", which we interpret to indicate glacial till. Total drilled depths are in the 200 to 300 foot range, and driller's estimated yields range from 5 to 20 gallons per minute (gpm). All of these wells were constructed with 6-inch steel casing, and were not likely to have been grouted. Bedrock descriptions on the well logs range from "bedrock", shale and limestone, gray dolomite, and schist.

The log for the TCTL well indicates that this well was lined with a 4-inch PVC sleeve and Jaswell seal set at a depth of 180 feet (and completed with a bentonite seal). The well was originally constructed with 130 feet of casing, and the geologic log indicates "decomposed rock" between 120 and 130 feet, indicating that the 6-inch steel casing was not properly set into unweathered bedrock.

The MGS well is located immediately adjacent to the former UST tank bed. The MGS well is currently surrounded by concrete well tiles, and the top of the steel casing terminates several feet below the ground surface. Prior to tank work in 1997, the well casing extended above grade. The well casing was cut off below the ground surface and equipped with a concrete vault during the 1997 tank work. The well is equipped with a 1/2-HP pump rated at 7 gpm. The pump is set on plastic pipe to a depth of 320 feet.

No log has been found for the Gaudette well. According to the Gaudettes, the well is a drilled bedrock well and is located on the east side of their residence, and the top of the casing is buried. The Guadettes also reported that their water has turned silty after heavy rains (with surface water accumulating over the well location) on at least three occasions, suggesting that the casing (or well cap) is not properly sealed.

Attempts have been made to collect pump information for several of these wells, although no specific information has yet been obtained except for the MGS well.

2.6 Impacted Water Supplies - Owner Notification

As soon as laboratory results from the groundwater sampling events were available, property owners were notified by mail of the results. Table 6 presents names, addresses, and phone numbers of property owners in the vicinity of the MGS.

3.0 DISCUSSION OF RESULTS

3.1 Hydrogeologic Setting

Soil samples collected during monitoring well drilling, as well as observations during UST excavations at the site, indicate that the shallow soil at the site consists of generally fine-grained fluvial or lacustrine sediments (silty sands) underlain by glacial till. Although some angular gravelly zones were observed during UST excavations at the site, none of the coarser materials (beach gravels) shown on published surficial maps were observed. The silty sands grade into weathered till at depths of about five to six feet BG. The weathered till grades into a tough unweathered till at depths of 9 to 12.5 feet BG, where monitoring well drilling refusal was encountered. Groundwater is perched above the till within the silty sands, at depths ranging from four to seven feet BG. Groundwater elevations define a southeastward flow direction, consistent with local topography.

The presence of numerous shallow dug wells in the area, most of which have been replaced by drilled wells, suggest that the shallow overburden groundwater zone is marginally useful as an aquifer.

Bedrock well logs indicate the till is present to depths exceeding 100 feet in the vicinity of the MGS. Shallower depths to bedrock occur further to the north, where logs indicate bedrock depths as shallow as 12 feet (Horner well). Bedrock outcrops of the Cheshire quartzite are visible near the site on the two prominent ridge crests both north and south of the village. An overburden isopach map is presented as Figure 8. Cross sections are shown on Figure 9 and 10.

3.2 Source and Extent of Contamination, Contaminant Pathways

The exact source of petroleum releases at the MGS site is not known. The two 4,000-gallon USTs removed in May of 1997 were observed to be in very good condition, with no evidence of corrosion or pitting on any of the exterior surfaces. Elevated PID readings were found in soil underlying the USTs (up to 112 ppm), and in soil underlying the pump island (up to 1162 ppm). In addition, in a test pit excavated just south of the store, petroleum sheens were observed on groundwater in a coarse angular gravelly zone, and PID readings exceeded the maximum value (2000 ppm) of the instrument. Based on these observations, releases of petroleum could have occurred from a number of locations; including spillage during filling of the USTs, leaks from piping or pump dispensers, or spillage during vehicle filling.

Groundwater monitoring of the overburden aquifer defines a plume of dissolved-phase contamination in groundwater migrating to the southeast. Elevated BTEX concentrations were observed in two monitoring wells, MW-101 and MW-103, and elevated MTBE concentrations were found in MW-101. No sheens or free product were found in either of these two monitoring wells.

The distribution of contamination detected in the bedrock supply wells is shown on Figure 7. Although other sources of petroleum exist in the area, the USTs and petroleum usage at the MGS appears to be the most likely source of these contaminants.

The presence of VOCs in bedrock supply wells indicate that contamination has reached the bedrock aquifer. Since the overburden includes over 100 feet of till, direct infiltration

through the till to bedrock appears unlikely. A more likely pathway for shallow contamination to reach the bedrock aquifer is through leaky casings. Although no contamination was found in overburden monitoring well MW-104, sited directly beside the MGS bedrock well, the bedrock well is nearly within the former tank bed of the USTs replaced in May of 1997. It is likely that contamination within the overburden has been in contact with the MGS bedrock well casing for at least some portion of time, or perhaps on a periodic basis.

Monitoring well MW-107 was sited upgradient from the TCTL well to determine if shallow groundwater contamination had reached this wellhead. Due to siting constraints, MW-107 could not be located immediately upgradient from the TCTL well. No contaminants have been found in MW-107, which suggests that contamination in the overburden has not reached the wellhead of the TCTL well. However, the monitoring well could be located just outside of the fringe of the overburden contaminant plume.

Two of the impacted bedrock wells downgradient from the site (TCTL and Gaudette wells) show evidence that the casings are not properly sealed into bedrock. The TCTL well was fitted with a sleeve and Jaswell seal (to a depth of 180 feet) shortly after its construction. The sleeve and seal were apparently placed to seal the bottom of the casing, which terminated within a zone described as "decomposed rock".

The Gaudette well has exhibited silty water after heavy rains and ponding on the surface over this buried well. The location of the buried Gaudette well is downgradient from the overburden contaminant plume originating from the MGS property. Additional monitoring wells are needed to determine if the plume has reached the Gaudette property.

3.3 Impacted Receptors

The existing data indicates that the MGS, TCTL, Gaudette, C. Burritt, and Fitzgerald wells have been impacted by petroleum-related contamination. MTBE, which has been added to gasoline as an oxygenate since the early 1980s, was found in all of these wells. Benzene was found in all of these wells except the MGS well.

In addition to benzene and MTBE, other VOCs not typically associated with petroleum hydrocarbons were found in the TCTL well; tetrahydrofuran (THF), and 1,2-dichloroethane (1,2 DCA). Historically, 1,2 DCA was added to gasoline as a lead scavenger, although its use reportedly decreased in the 1970s (Johnson and Morrison, 1997). THF is used as a chemical intermediate for synthesis of various products, and also as a solvent, but is not typically found in gasoline (Spectrum, 1998).

Dichlorodifluoromethane (DCDFM), which was detected in the Moody well at a concentration of 0.2 ug/L, is a freon (CCl_2F_2 - trade name Freon 12) used as a propellant, refrigerant, and solvent. This compound is not typically associated with petroleum. DCDFM is one of many chlorofluorocarbons that do not occur naturally but are found throughout the world at detectable concentrations in the atmosphere, oceans, and surface and groundwater (Lovelock, 1971, and Thompson and Hayes, 1979) due to anthropomorphic releases. The Moody sample was collected from a tap in the basement, and the DCDFM may have been introduced to the sample by exposure to freons in the ambient air (e.g., from a leaky air conditioner or refrigerator).

In summary, five bedrock wells near the MGS show low concentrations of VOCs associated with petroleum. Although other sources of petroleum exist in the area, the USTs and petroleum usage at the MGS appears to be the most likely source of these contaminants.

4.0 RECOMMENDATIONS

4.1 Additional Overburden Monitoring Wells

We recommend installing additional shallow groundwater monitoring wells to define the extent of contamination in shallow groundwater. Areas targeted for additional shallow wells are shown on Figure 11. Final well placement will depend upon access and landowner arrangements. We plan to install one well just upgradient from the H. Burritt well, which is the closest downgradient bedrock well from the overburden contaminant plume. Other wells will be sited to define downgradient plume boundaries, as well as to determine if contamination has reached the surface locations of the TCTL and Gaudette wells.

4.2 Bedrock Pumping Test / Downhole Video Survey

To assess the hypothesis that the MGS bedrock well is a conduit for overburden contamination to enter the bedrock aquifer, we recommend performing a short-term pumping test and downhole video survey to inspect this well for leakage. Such an effort includes pulling the existing pump and using a test pump to pump the well at a higher rate than the existing pump, which is rated at 7 gpm. Once the water level in the MGS well is pumped below the bottom of the casing, the downhole camera will be lowered to this zone to visually inspect for leakage. If significant leakage is occurring, a grab sample can be collected to determine if contaminants are entering the bedrock through leakage. If casing leakage is documented, steps can be taken to sleeve the well during this field effort, or at a later time.

The pumping test will also be useful in characterizing the degree of hydraulic connection between the MGS well and surrounding wells by observing water levels in the surrounding wells. To observe water levels in the surrounding wells, it will be necessary to install drop tubes in these wells to allow entry of a water-level probe.

We anticipate pumping the MGS well for a period of approximately four hours, during which time the downhole survey of the MGS well and water-level monitoring of surrounding wells can be accomplished. The pumping rate will depend upon the MGS well capacity, and is anticipated to be in the 10 to 20 gpm range. Four hours of pumping at 10 - 20 gpm would generate 2400 to 4800 gallons of water. Although the existing data shows only a low concentration (2 ug/L) of MTBE present in the MGS well, the pumping could conceivably draw in more highly-contaminated water. As a result, proper arrangements must be made to deal with the pumped water (containment, treatment, or permission to discharge to the surface). A suitable location to physically discharge the water, whether treated or not, must also be arranged.

Additional pumping tests / downhole video surveys may be recommended on the Gaudette or TCTL wells if shallow groundwater contamination is found near these wells.

4.3 Additional Field Efforts

In addition to the pumping test/downhole video survey, we recommend examining local bedrock outcrops to assess the fracture fabric of the bedrock aquifer. Outcrops are present on the prominent ridges both directly north and south (along bedrock strike) from the MGS site. William Norland (Lincoln Applied Geology) has already examined these outcrops as part of the former Bennett's Garage investigation. We intend to meet with Mr. Norland at the site to inspect the outcrops and measure bedrock structural features, and to discuss Mr. Norland's knowledge of bedrock conditions and contamination at the Bennett's Garage site.

We also recommend that a survey be performed to obtain elevations of the dug wells and bedrock wells in the immediate vicinity of the store. The elevation information will be used to generate a piezometric contour map for the bedrock aquifer, and expand the overburden water-table map (C. Burritt dug well).

We intend to measure static water levels in the C. Burritt, MGS, Fitzgerald, H. Burritt, and TCTL wells. Our ability to measure water levels in these wells will depend upon owner permission. To provide access to monitor water levels in these wells, we recommend installing PVC drop pipes to allow entry of a water-level probe. The PVC drop pipes will remain in the wells during the investigation. Since the Gaudette well is completed below the ground surface, we do not recommend disturbing this well at this time. We do recommend attempting to locate where the well is buried, perhaps using a metal detector.

4.4 Groundwater Sampling and Analysis

We recommend additional groundwater sampling and analysis to assess overburden contamination, to characterize transient groundwater quality conditions in the bedrock aquifer, and to further investigate the role of leaky casings in contaminant migration pathways at the site.

For the existing and proposed overburden monitoring wells, we recommend a complete round of analyses for BTEX/MTBE by EPA Method 8020, as well as a full VOC scan (by EPA Method 8260) in wells showing elevated BTEX/MTBE concentrations (MW-101, MW-103, and additional wells). We also recommend sampling one or two of these wells for other general water quality parameters (chloride and nitrate) to allow comparison with bedrock water quality.

For the impacted supply wells (C. Burritt, MGS, TC/TL, Gaudette, and Fitzgerald), we recommend monthly sampling and analysis for VOCs by EPA Method 524.1 In addition, we recommend these wells be sampled for additional parameters (chloride, nitrate, total and fecal coliform) to assess potential communication with shallow groundwater.

For supply wells where contamination has not been detected, but are within reasonably close proximity to impacted wells, we recommend quarterly sampling and analysis for VOCs by EPA Method 524.1. Based on existing information, we recommend sampling the Von Brun, Joos/Carlisle, H. Burritt, Bordeaux, Van Steamburg, and Leo Dupont/Sullivan wells. We also recommend taking a confirmatory sample from the Moody well (where dichlorodifluoromethane was detected) and sampling the Bean well (presumably upgradient from the C. Burritt well). Other wells further north could be sampled to assess potential plume migration from the former Bennett's Garage site. These wells could include the Rankin, Lyman, and Methodist Church wells.

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TABLE 1

Groundwater elevation measurements,
Monkton General Store, Monkton Ridge, Vermont.

DEPTH TO WATER (feet below TOC)			
Well ID	***Elevation of TOC (feet)***	***02/20/98***	***03/16/98***
MW-1	98.57	>7.12	> 7.11
MW-101	98.02	8.22	6.96
MW-102	97.91	6.96	6.03
MW-103	89.78	5.10	4.18
MW-104	98.78		6.13
MW-105	100.55		5.02
MW-106	92.78		5.13
MW-107	82.60		3.98

GROUNDWATER ELEVATIONS (feet)			
Well ID	***Elevation of TOC (feet)***	***02/20/98***	***03/16/98***
MW-1	98.57	< 91.45	< 91.45
MW-101	98.02	89.80	91.06
MW-102	97.91	90.95	91.88
MW-103	89.78	84.68	85.60
MW-104	98.78		92.65
MW-105	100.55		95.53
MW-106	92.78		87.65
MW-107	82.60		78.62

Notes:

TOC = top of casing (PVC lip)

Elevations are in feet relative to 100.00 feet (NW Corner of Pump Island)

TABLE 2

Analytical Results for Sampling Performed on February 20, 1998,
Monkton General Store Site Investigation, Monkton Ridge, Vermont.

SAMPLE LOCATION / IDENTIFICATION	DRINKING WATER SOURCE?	SAMPLING LOCATION	BTEX/MTBE by EPA Method 8020				
			BENZENE micrograms/liter	TOLUENE micrograms/liter	ETHYLBENZENE micrograms/liter	XYLENES micrograms/liter	MTBE micrograms/liter
MW-101	no	monitoring well	1480	8440	109	3800	24400
MW-102	no	monitoring well	< 1	< 1	< 1	< 1	< 1
MW-103 / Duplicate	no	monitoring well	284 / 328	722 / 685	413 / 404	1,960 / 2,080	< 20 / < 200
Monkton Store (Cyr) Bedrock Well	yes	kitchen sink	< 1	< 1	< 1	< 1	2
Chris Burritt Bedrock Well	yes	tap prior to pressure tank	4	< 1	< 1	< 1	8
Gaudette Bedrock Well	yes	outside spigot	TRACE (< 1)	< 1	< 1	< 1	4
Hope Burritt Bedrock Well	yes	kitchen sink	< 1	< 1	< 1	< 1	< 1
Town Library/Town Clerk's Bedrock Well	yes	library tap	21	< 1	< 1	< 1	22
Trip Blank	no	QA/QC sample	< 1	< 1	< 1	< 1	< 1
Field Blank	no	QA/QC sample	< 1	< 1	< 1	< 1	< 1
		REGULATORY STANDARDS					
		VT GES	5	1000	700	10000	40
		MCL	5	1000	700	10000	-
		VHA	1.0	-	-	-	40

Notes:

shaded cells = not tested or result below stated detection limit

< 1 = below a detection level of 1, micrograms/liter equivalent to parts per billion

MW = monitoring well, MTBE = methyl-tert-butyl-ether

VT GES = Vermont Primary Groundwater Quality Enforcement Standard (Chapter 12, Groundwater Protection Rule and Strategy, 10 VSA 1390-1394), November 1997.

MCL - Maximum Contaminant Level, US Environmental Protection Agency Drinking Water Standard, October 1996.

VHA - Vermont Health Advisory for drinking water, Vermont Department of Health, April 1997.

TABLE 3

Analytical Results for Sampling Performed on March 5, 1998, Monkton General Store Site Investigation, Monkton Ridge, Vermont.

SAMPLE LOCATION / IDENTIFICATION	DRINKING WATER SOURCE?	SAMPLING LOCATION	FIELD MEASUREMENTS			BTEX/MTBE by EPA Method 8020					VOCs by EPA METHOD 524.4				
			pH (standard units)	Temperature (degrees C)	Sp. Conductance (umhos/cm)	BENZENE ug/L	TOLUENE ug/L	ETHYLBENZENE ug/L	XYLENES ug/L	MTBE ug/L	Benzene ug/L	1,2-DCA ug/L	MTBE ug/L	THF ug/L	DCDFM ug/L
Town Library/Town Clerk's Bedrock Well	yes	TC Office Sink	7.24	9.5	636	NT	NT	NT	NT	NT	43	2.3	48	22	< 0.5
Von Brun Bedrock Well	yes	Pre Pressure Tank	7.28	9.6	477	NT	NT	NT	NT	NT	< 0.5	< 0.5	< 1	< 5	< 0.5
Joos/Carlisle Bedrock Well	yes	Outside Spigot	6.97	6.9	530	NT	NT	NT	NT	NT	< 0.5	< 0.5	< 1	< 5	< 0.5
Dupont/Coolidge Bedrock Well	yes	Pre Pressure Tank	7.68	8.6	272	NT	NT	NT	NT	NT	< 0.5	< 0.5	< 1	< 5	< 0.5
Leo Dupont (Sullivan) Bedrock Well	yes	From Outside Spigot, Post Fe-filter	7.59	9.2	318	NT	NT	NT	NT	NT	< 0.5	< 0.5	< 1	< 5	< 0.5
Van Steamburg Bedrock Well	yes	Kitchen Sink, Post filter	7.62	8.3	438	NT	NT	NT	NT	NT	< 0.5	< 0.5	< 1	< 5	< 0.5
Bordeaux Bedrock Well	yes	Pre Pressure Tank	7.28	10.4	313	NT	NT	NT	NT	NT	< 0.5	< 0.5	< 1	< 5	< 0.5
Gaudette Bedrock Well	yes	Outside Spigot	7.18	10.2	427	NT	NT	NT	NT	NT	0.4	< 0.5	3.5	< 5	< 0.5
Hope Burritt Bedrock Well	yes	Kitchen Sink	6.81	12.1	368	NT	NT	NT	NT	NT	< 0.5	< 0.5	< 1	< 5	< 0.5
Moody Bedrock Well	yes	Post Pressure Tank	7.01	8.1	552	NT	NT	NT	NT	NT	< 0.5	< 0.5	< 1	< 5	0.2
Chris Burritt Bedrock Well	yes	Pre Pressure Tank	6.92	8.3	684	NT	NT	NT	NT	NT	4.7	< 0.5	8.1	< 5	< 0.5
Cyr (Store) Bedrock Well	yes	Basement, Pre-Softener	6.96	19.2	369	NT	NT	NT	NT	NT	< 0.5	< 0.5	1.4	< 5	< 0.5
Chris Burritt Dug Well	no	grab sample, 7.25' to water	-	-	-	< 1	< 1	< 1	< 1	< 1	NT	NT	NT	NT	NT
Trip Blank	no	QA/QC Sample	-	-	-	NT	NT	NT	NT	NT	< 0.5	< 0.5	< 1	< 5	< 0.5
REGULATORY STANDARDS															
VT GES						5	1000	700	10000	40	5	5	40	-	1000
MCL						5	1000	700	10000	-	5	5	-	-	-
VHA						1.0	-	-	-	40	1.0	0.5	40	-	1000

Notes:

shaded cells = not tested or result below stated detection limit

ug/L = micrograms per liter, equivalent to parts per billion

< 1 = below a detection level of 1

NT = not tested, VOCs = volatile organic compounds, MW = monitoring well, DCDFM = dichlorodifluoromethane, 1,2-DCA = 1,2 dichloroethane, MTBE = methyl-tert-butyl-ether, THF = tetrahydrofuran

VT GES = Vermont Primary Groundwater Quality Enforcement Standard (Chapter 12, Groundwater Protection Rule and Strategy, 10 VSA 1390-1394), November 1997.

MCL - Maximum Contaminant Level, US Environmental Protection Agency Drinking Water Standard, October 1996.

VHA - Vermont Health Advisory for drinking water, Vermont Department of Health, April 1997.

TABLE 4

Analytical Results for Sampling Performed on March 16, 1998, Monkton General Store Site Investigation, Monkton Ridge, Vermont.

SAMPLE LOCATION / IDENTIFICATION	DRINKING WATER SOURCE?	SAMPLING LOCATION	FIELD MEASUREMENTS			BTEX/MTBE by EPA Method 8020					VOCs by EPA METHOD 524.4	
			pH (standard units)	Temperature (degrees C)	Sp. Conductance (umhos/cm)	BENZENE ug/L	TOLUENE ug/L	ETHYLBENZENE ug/L	XYLENES ug/L	MTBE ug/L	Benzene ug/L	MTBE ug/L
Fitzgerald Bedrock Well	yes	outside spigot	8.07	9.0	490	NT	NT	NT	NT	NT	** TRACE	3.3
Dillon Bedrock Well	yes	bailed from well, 23.69' to water	8.79	10.4	226	NT	NT	NT	NT	NT	< 0.5	< 0.5
Dupont-1 (Coolidge) Dug Well	no	grab sample, 5.24' to water	6.40	3.8	141	< 1	< 1	< 1	< 1	< 1	NT	NT
Dupont-2 (Sullivan) Dug Well	no	grab sample, 2.10' to water	7.15	2.2	544	< 1	< 1	< 1	< 1	< 1	NT	NT
Stream	no	grab sample on Cota side	7.65	1.4	647	< 1	< 1	< 1	< 1	< 1	NT	NT
Von Steamburg Dug Well	no	grab sample, 3.35' to water	7.15	3.4	551	< 1	< 1	< 1	< 1	< 1	NT	NT
MW-104 / Duplicate	no	monitoring well	7.03	6.0	2,370	< 1	< 1	< 1	< 1	< 1	NT	NT
MW-105	no	monitoring well	7.15	4.6	427	< 1	< 1	< 1	< 1	< 1	NT	NT
MW-106	no	monitoring well	7.54	4.5	1,041	< 1	< 1	< 1	< 1	< 1	NT	NT
MW-107	no	monitoring well	7.15	4.1	2,010	< 1	< 1	< 1	< 1	< 1	NT	NT
Trip Blank	no	QA/QC sample	-	-	-	< 1	< 1	< 1	< 1	< 1	NT	NT
Field Blank	no	QA/QC sample	-	-	-	< 1	* TRACE	< 1	< 1	< 1	NT	NT
					REGULATORY STANDARDS							
					VT GES	5	1000	700	10000	40	5	40
					MCL*	5	1000	700	10000	-	5	-
					VHA **	1.0	-	-	-	40	1.0	40

Notes:

** TRACE- benzene was detected below the calculated detection limit of 0.21 ug/L

*TRACE = detected below a detection limit of 1 ug/L

shaded cells = not tested or result below stated detection limit

ug/L = micrograms per liter, equivalent to parts per billion

< 1 = below a detection level of 1

NT = not tested, VOCs = volatile organic compounds, MW = monitoring well, DCDFM = dichlorodifluoromethane, 1,2-DCA = 1,2 dichloroethane, MTBE = methyl-tert-butyl-ether, THF = tetrahydrofuran

VT GES = Vermont Primary Groundwater Quality Enforcement Standard (Chapter 12, Groundwater Protection Rule and Strategy, 10 VSA 1390-1394), November 1997.

MCL - Maximum Contaminant Level, US Environmental Protection Agency Drinking Water Standard, October 1996.

VHA - Vermont Health Advisory for drinking water, Vermont Department of Health, April 1997.

TABLE 5

Summary of Surrounding Water Supplies, Monkton General Store Site Investigation, Monkton Ridge, Vermont.

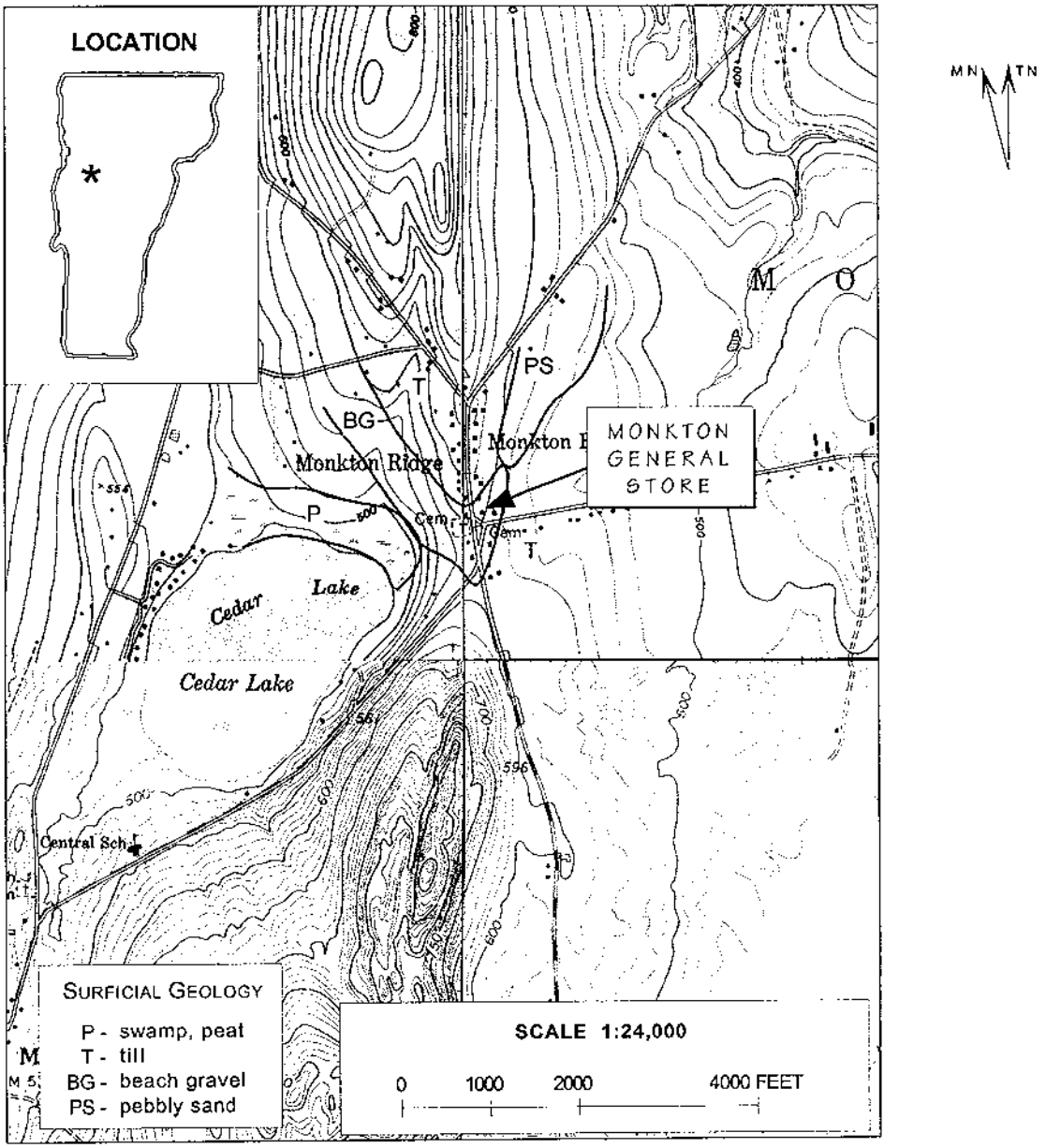
	BEDROCK WELL INFORMATION										
Current Well Owner	ANR Well Log #	Drilled For	Year Drilled/Driller	Total Depth (ft)	Bedrock Depth (ft)	Casing (feet)	Driller's Yield (gpm)	Static Level (ft)	Overburden Description	Bedrock Description	Dug Well?
Monkton General Store (J. & P. Cyr)	3	Guy Burritt (former store owner)	1966, Feeley	280	110	?	12	70	0-110 hardpan	110-280 limestone	? (bedrock well surrounded by well tile)
Gladys Morin (Mashia also)	48	LaFountain	1977, Feeley	675	146	?	1.5	90	0-146 dirt, clay, hardpan	146-156 rock, 156-675 bedrock	dug well exists, not in use
Hope Burritt	75	Guy & Hope Burritt	1978, Feeley	325	112	?	10	30	0-15 dirt, 15-112 clay & hardpan	112-122 rock, 122 - 325 bedrock	?
John Dillon	129	?	1983, B&B Artesian	200	127	135	10	17			?
Gerald & Theresa Fitzgerald	130	Stephen Weston	1983, B&B Artesian	235	118	125	10	24	0-118 hardpan	118-235 shale and limestone	?
Chris Burritt	132	Chris Burritt	1983, B&B Artesian	235	135	147	5.5	20	0-135 hardpan	135-235 limestone	dug well exists, not in use
Robert Von Bruns	158	Von Bruns	1985, Manosh	222	124	133	6		0-124 hardpan	124-132 gray dolomite, 132-222 light gray	?
Monkton Town Garage	188	1987, Frost	1987, Frost	300	90	100	4	40	0-40 red/brown soil, 40-90 sandy gray soil/gravels	90-300 chlorite schist/quartz seams	dug well exists, not in use
Leo (Butch) & Janet (Sullivan) DuPont	217	Butch Dupont	1988, Frost	440	75	80	2	30	0-75 sand, silt with gravel	75-400 gray-gn schist w/ qtz, 400-440 monkton qtzite, high Fe in water	dug well exists, not in use
William & Gail Van Steamburg	250	Van Steamburg	1989, Frost	340	30	60	2	50	0-30 sand gravel	30-100 qtz, 100-120 red qtz w/ pyrite, 120-200 shale w/ qtz, 200-340 shale w/ qtz, high FE content in water	dug well exists, not in use
Bradley Bordeaux	251	Bordeaux	1989, Frost	400	40	62	3	50	0-40 sand gravel	40-200 black shale, 200-300 black shale w/ pyrite, 380-400 monkton qtzite, 0.5 ppm at 100' with high Fe content	Abandoned dug well in 1988
Dupont (& used by Coolidge)	253	Janet Sullivan	1989, Frost	400	43	60	3	50	0-43 sand gravel	43-120 quartz, 120-200 gray shale w/ qtz, 200-380 gray shale, 380-400 black shale, high Fe content	dug well exists, not in use
Joseph A. & Mary F. Parent	254	Allen Fisher	1989, Frost	400	100	120	1	70	0-85 sand gravel silt, 85-100 crumbly ledge (black shale)	100-300 black & gray shale, 300-400 black shale with quartz	?
Monkton Library (& used by Town Clerk)	294	Town of Monkton	1991, Frost	260	130	130	20	50	0-4 brown clay, 4-30 brown clay/boulders, 30-120 gray clay/gravels (hardpan), 120-130 decomposed rock (soft)	130-260 gray schist very soft and fractured, well was sleeved with 4" PVC & Jaswell seal at 160' and bentonite seal	?
John & Linda Phillips	340	Russ Barone	1993, Spafford	300	100	120	30	?	0-12 hardpan	12-100 fractured and rotten ledge, 100-300 blue & white limestone	?
John Gaudette										Owner reports incidences of silty water after heavy rains	?
James & Amy Moody		Deal?									
David K. Bean		E. Lawrence?	pre 1960?								at least one dug well on property
C. William Joos & Catherine Carlisle (drilled well - location uncertain)		E. Meader ?									
Dingler	69	N. Day	1978 Manosh	323	21	35	0.5		0-21 hardpan	21-323 gray	
Kuhns	13	Agnes Day	1977, Feeley	300	38	42	10	80	0-38 sand & gravel	38-300 limestone	
Rankin	49	Cota	1977, Manosh	148	79	81	3		0-79 packed gravel	79-135 shale, 134-148 brown ledge	
Lyman	121	Lyman	1982, Manosh	289	35	38	3		0-35 hardpan	35-287 gray, 287-298 brownish gray	
Homer	154	Homer	1985 Spafford	300	12	40	10		0-12 hardpan	12-300 blue limestone	
Conway	242	Conway		202	22	28	3.5				
Methodist Church	273	R. Fitzgerald	1990, Frost	200	86	100	25	20	0-17 gravel, 17-40 clay, 40-86 hardpan	86-140 sandstone, 140-142 ocher, 142-200 quartzite	
R. Burritt											
O'Brien											
Rath											
Provost											
Thomas?											
Abramo ?											

TABLE 6

Names, Addressess and Phone Numbers of Surrounding Property Owners,

Monkton General Store Site Investigation, Monkton Ridge, Vermont.

Property Owner/Contact	Mailing Address		Phone Number
Jim & Penny Cyr (Monkton Gen. Store)	Box 2000, Rt 1 North	Ferrisburg, VT 05473	453-2385
John & Thea Gaudette	RD2, Box 3130	Bristol, VT 05443	453-2038
Chris Burritt	Box 2005	North Ferrisburgh, VT 05473	453-2900
Hope Burritt	RD 2, Box 2120	Bristol, VT 05443	453-4527
Town Clerk's Office (Carmelita Burritt)	Route 1, Box 2015	North Ferrisburgh, VT 05473	453-3800
Monkton Library (Deborah Chamberlain)	RD 1 Box 1970	North Ferrisburgh, VT 05473	453-3800
David K. Bean	Box 9348	South Burlington, VT 05407	453-4784
Bradley Bordeaux	RD 2 Box 3140	Bristol, VT 05443	453-2983
Daniel & Anne Coolidge (on Dupont Well)	RD 2 Box 3180	Bristol, VT 05443	453-3572
Leo (Butch) & Janet (Sullivan) DuPont	RD 2 Box 3160	Bristol, VT 05443	453-3562
Gerald & Theresa Fitzgerald	RD 1 Box 2020	North Ferrisburgh, VT 05473	453-4918/425-2811 (w)
James & Amy Moody	RD 1 Box 1998	North Ferrisburgh, VT 05473	453-5847
Gladys Morin (Mashia also)	RD 2 Box 3970	Bristol, VT 05443	453-3746
William & Gail Van Steamburg	RD 2 Box 3150	Bristol, VT 05443	453-4576
Robert Von Bruns	140 East Ave	Burlington, VT 05401	453-3814
John & Linda Phillips	RD 2 Box 3098	Bristol, VT 05443	453-5011
Joseph A. & Mary F. Parent	RD 2 Box 3170	Bristol, VT 05443	453-5657
John Dillon (contact - Norton "Buck" Bennett)	RD 1, Box 2335	North Ferrisburgh, VT 05473	453-4501
C. William Joos & Catherine Carlisle	RD 2 Box 3110 (3100?)	Bristol, VT 05443	453-6060



Base from U.S. Geological Survey Topo Quads, 1:24,000,
Bristol, Monkton Boro, Mount Philo, Hinesburg, VT

FIGURE 1

SITE LOCATION MAP, MONKTON GENERAL STORE,
MONKTON RIDGE, VERMONT.

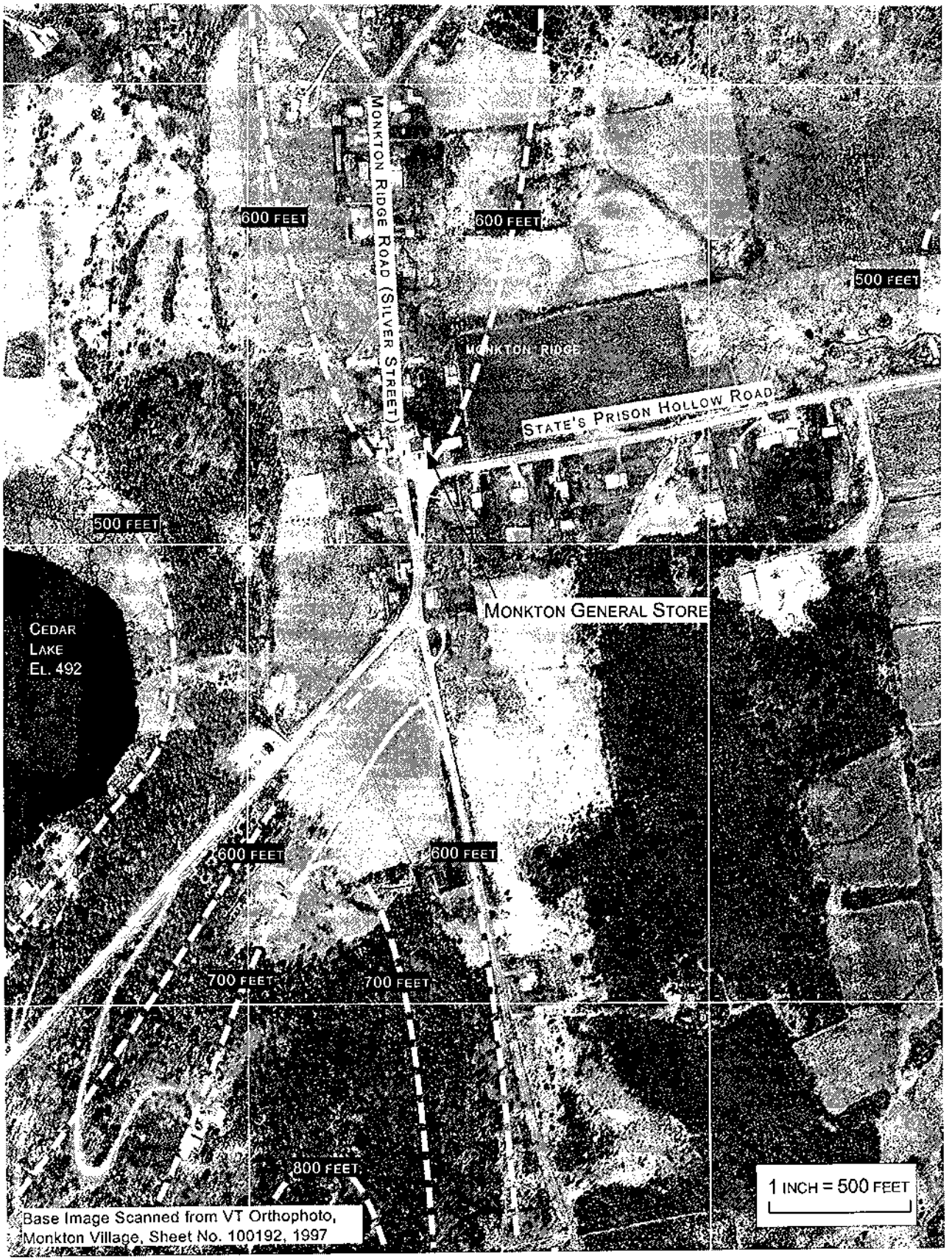


FIGURE 2

SITE VICINITY MAP, MONKTON GENERAL STORE,
MONKTON RIDGE, VERMONT.

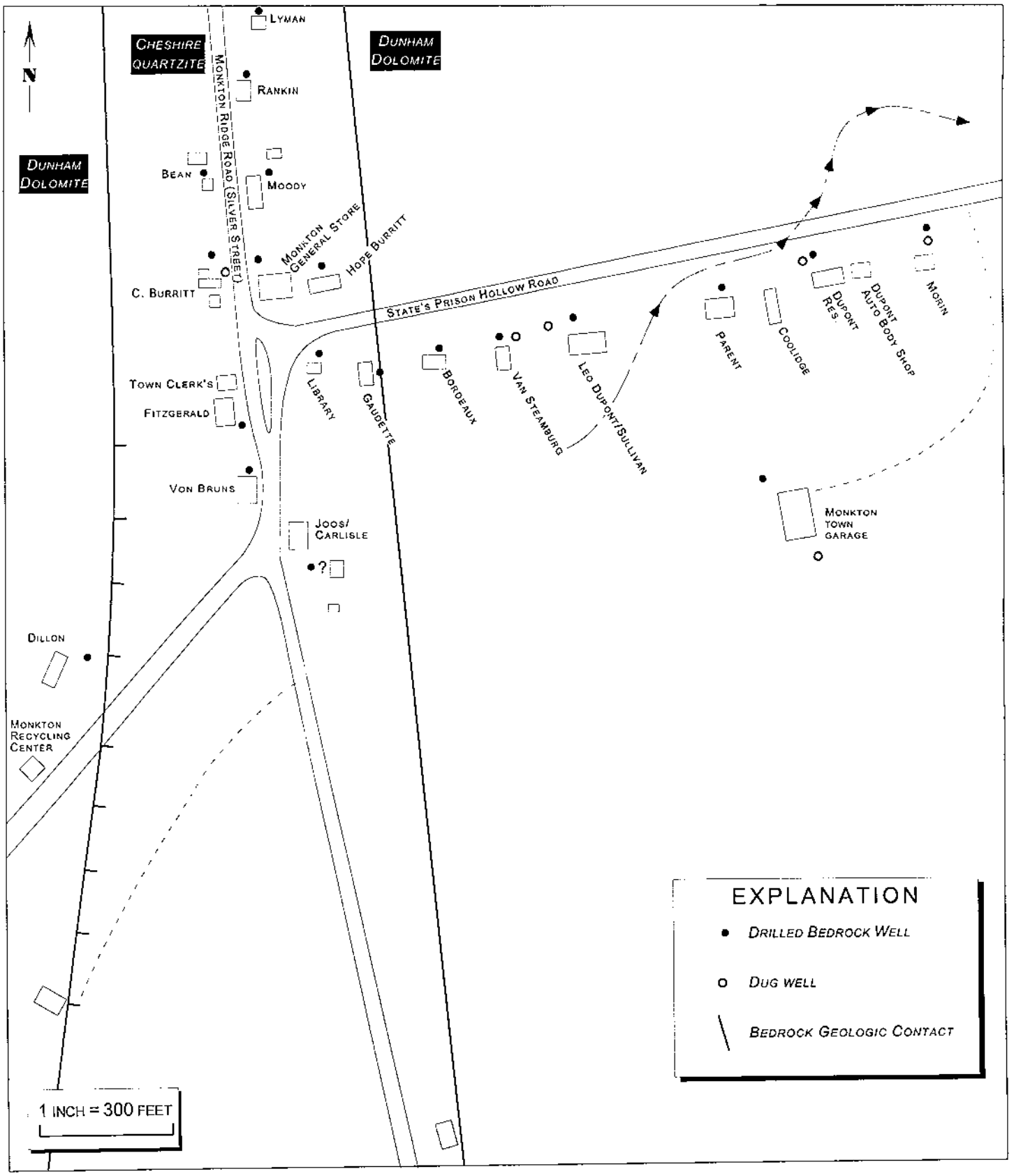


FIGURE 3

SITE VICINITY MAP, MONKTON GENERAL STORE, MONKTON RIDGE, VERMONT.

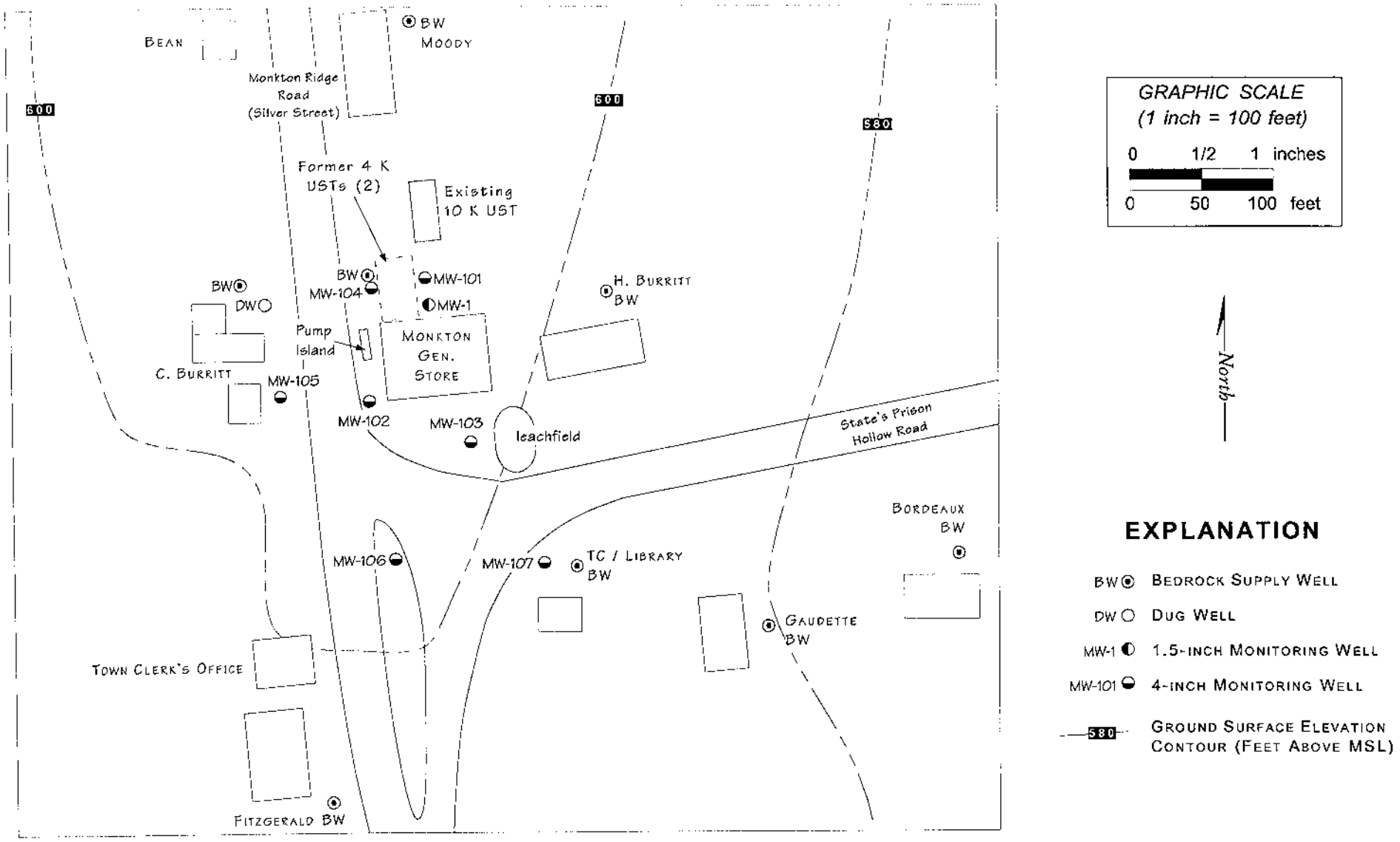
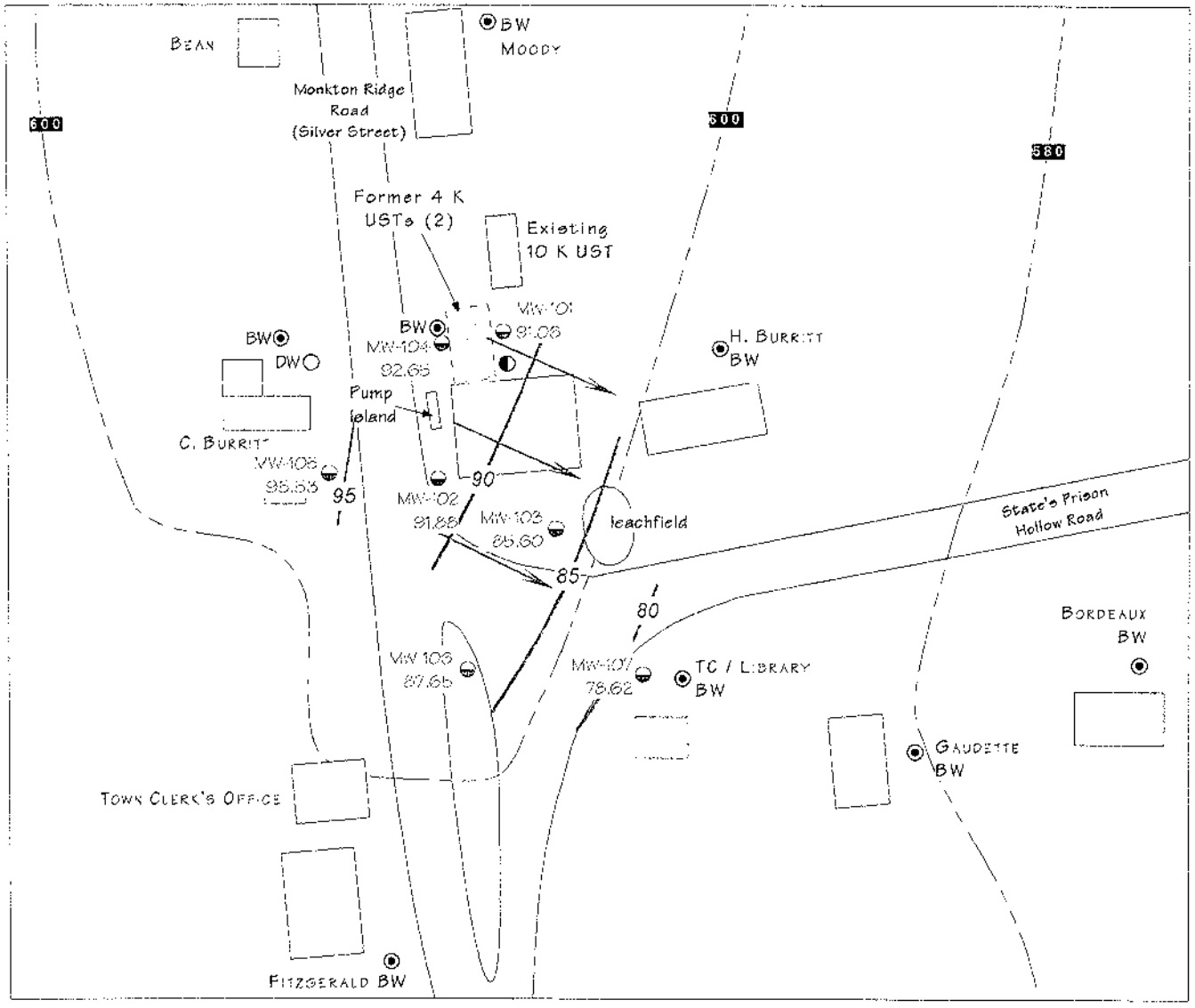


FIGURE 4

SITE BASEMAP, MONKTON GENERAL STORE, MONKTON RIDGE, VERMONT.



GRAPHIC SCALE
(1 inch = 100 feet)

0 1/2 1 inches

0 50 100 feet

North

EXPLANATION

BW ◉ BEDROCK SUPPLY WELL

DW ○ DUG WELL

580 GROUND SURFACE ELEVATION CONTOUR (FEET ABOVE MSL)

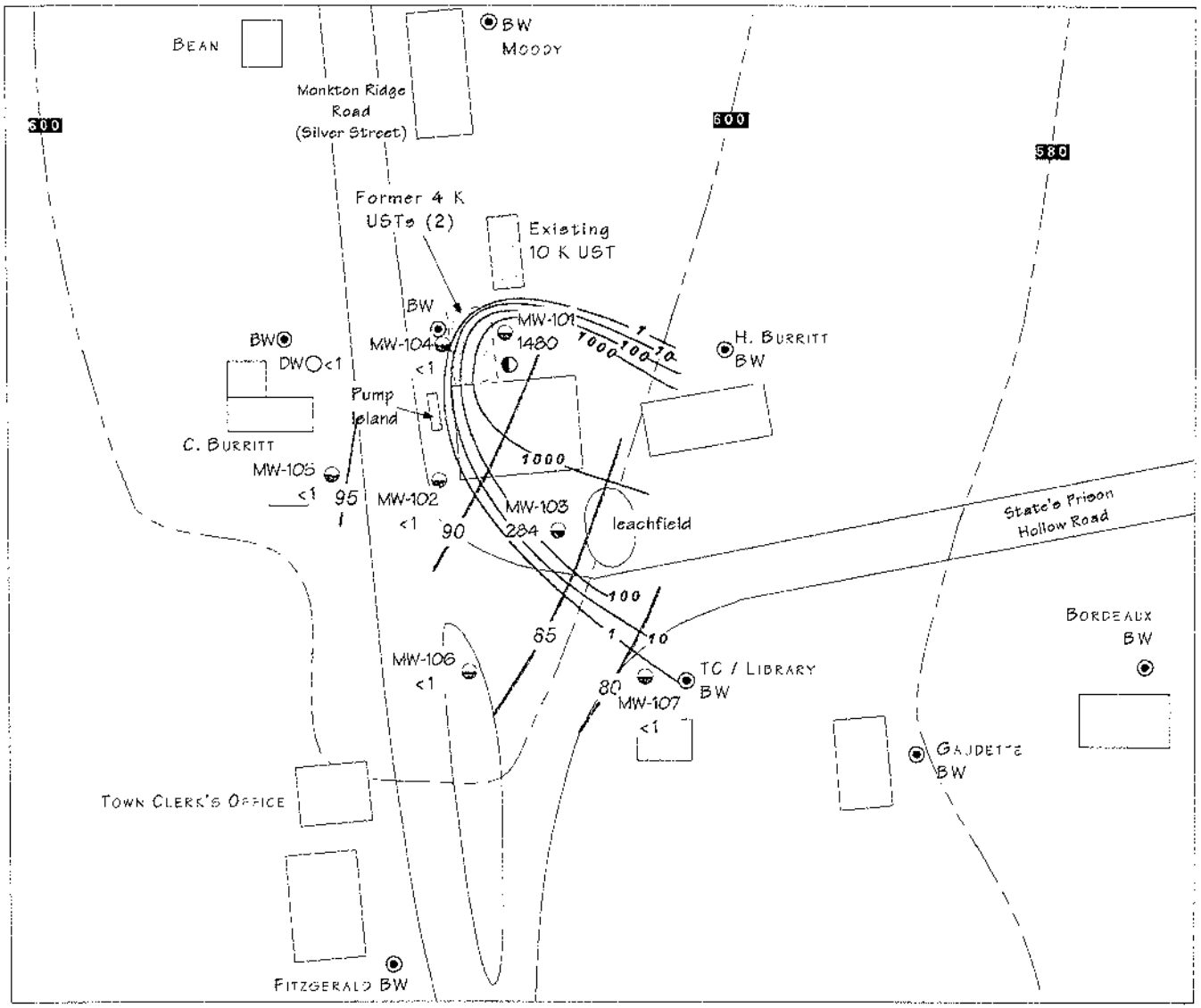
91.06 ◒ GROUNDWATER ELEVATION IN OVERBURDEN MONITORING WELL (FEET RELATIVE TO ON-SITE DATUM)

—95— GROUNDWATER ELEVATION CONTOUR (FEET)

← GROUNDWATER FLOW DIRECTION

FIGURE 5

OVERBURDEN WATER-TABLE MAP FOR MARCH 16, 1998,
MONKTON GENERAL STORE, MONKTON RIDGE, VERMONT.



SAMPLING DATES:
2/20/98 = MW-101, MW-102, MW-103
3/16/98 = MW-104, MW-105, MW-106, MW-107

GRAPHIC SCALE
(1 inch = 100 feet)
0 1/2 1 inches
0 50 100 feet

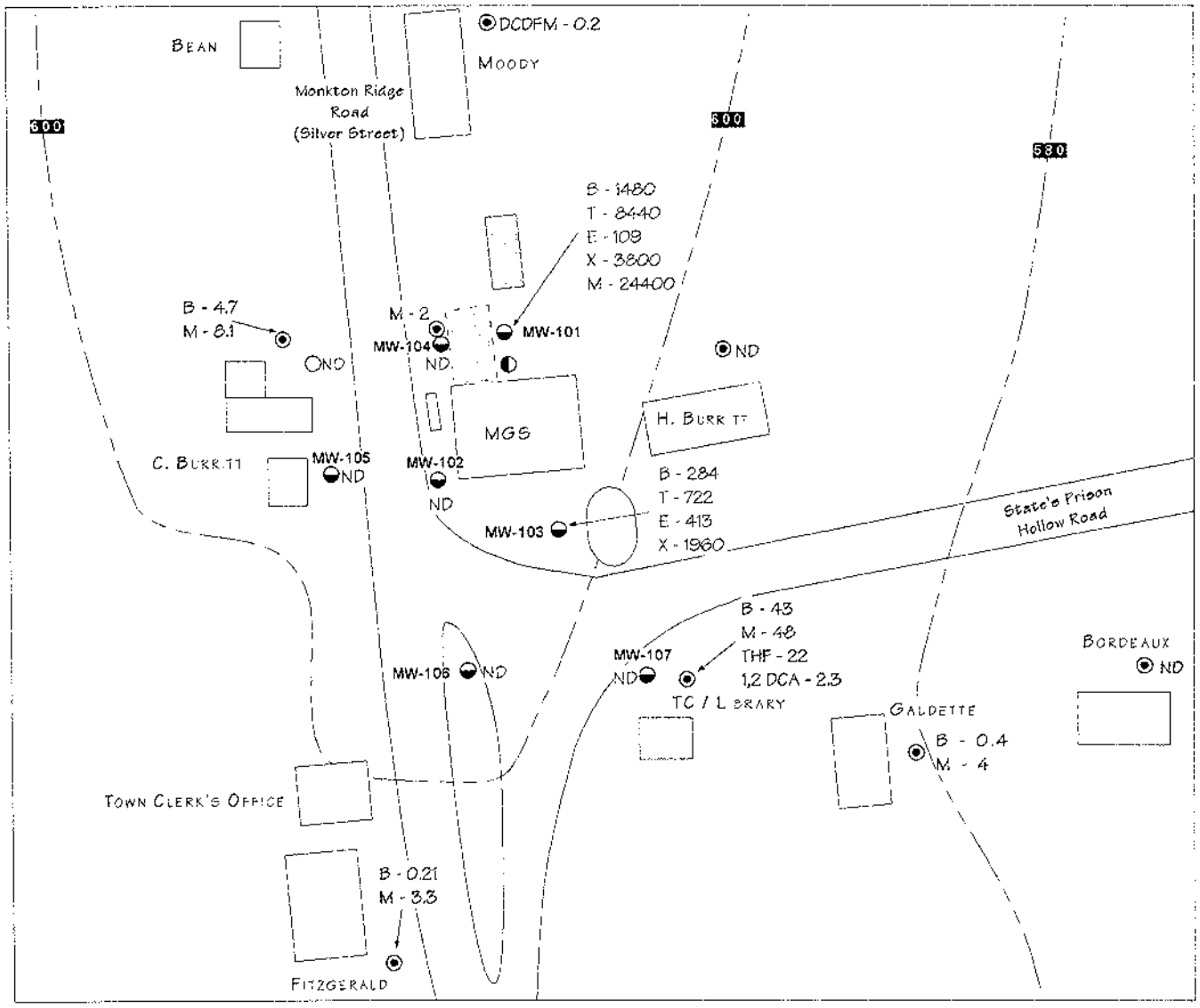
North

EXPLANATION

- BW ◉ BEDROCK SUPPLY WELL
- DW ○ DUG WELL
- 580 GROUND SURFACE ELEVATION CONTOUR (FEET ABOVE MSL)
- 1440 ◒ BENZENE CONCENTRATION IN OVERBURDEN (UG/L)
- 100 BENZENE ISOCONCENTRATION CONTOUR (UG/L)
- 95 GROUNDWATER ELEVATION CONTOUR (FEET)

FIGURE 6

BENZENE DISTRIBUTION IN OVERBURDEN MONITORING WELLS, MONKTON GENERAL STORE, MONKTON RIDGE, VERMONT.



SAMPLING DATES:
2/20/98, 3/5/98, AND 3/16/98

GRAPHIC SCALE
(1 inch = 100 feet)

0 1/2 1 inches
0 50 100 feet

North

EXPLANATION

BW ◉ BEDROCK SUPPLY WELL

DW ○ DUG WELL

580 GROUND SURFACE ELEVATION CONTOUR (FEET ABOVE MSL)

MW ◒ 1.5-INCH MONITORING WELL

B - 284 VOC CONCENTRATION IN OVERBURDEN (UG/L)

B - 0.4 VOC CONCENTRATION IN BEDROCK (UG/L)

B - Benzene
T - Toluene
E - Ethylbenzene
X - Xylenes
M - Methyl-tert-butyl-ether (MTBE)
1,2 DCA - 1,2 Dichloroethane
THF - Tetrahydrofuran
DCDFM - Dichlorodifluoromethane

FIGURE 7

VOC'S IN OVERBURDEN AND BEDROCK,
MONKTON GENERAL STORE, MONKTON RIDGE, VERMONT.

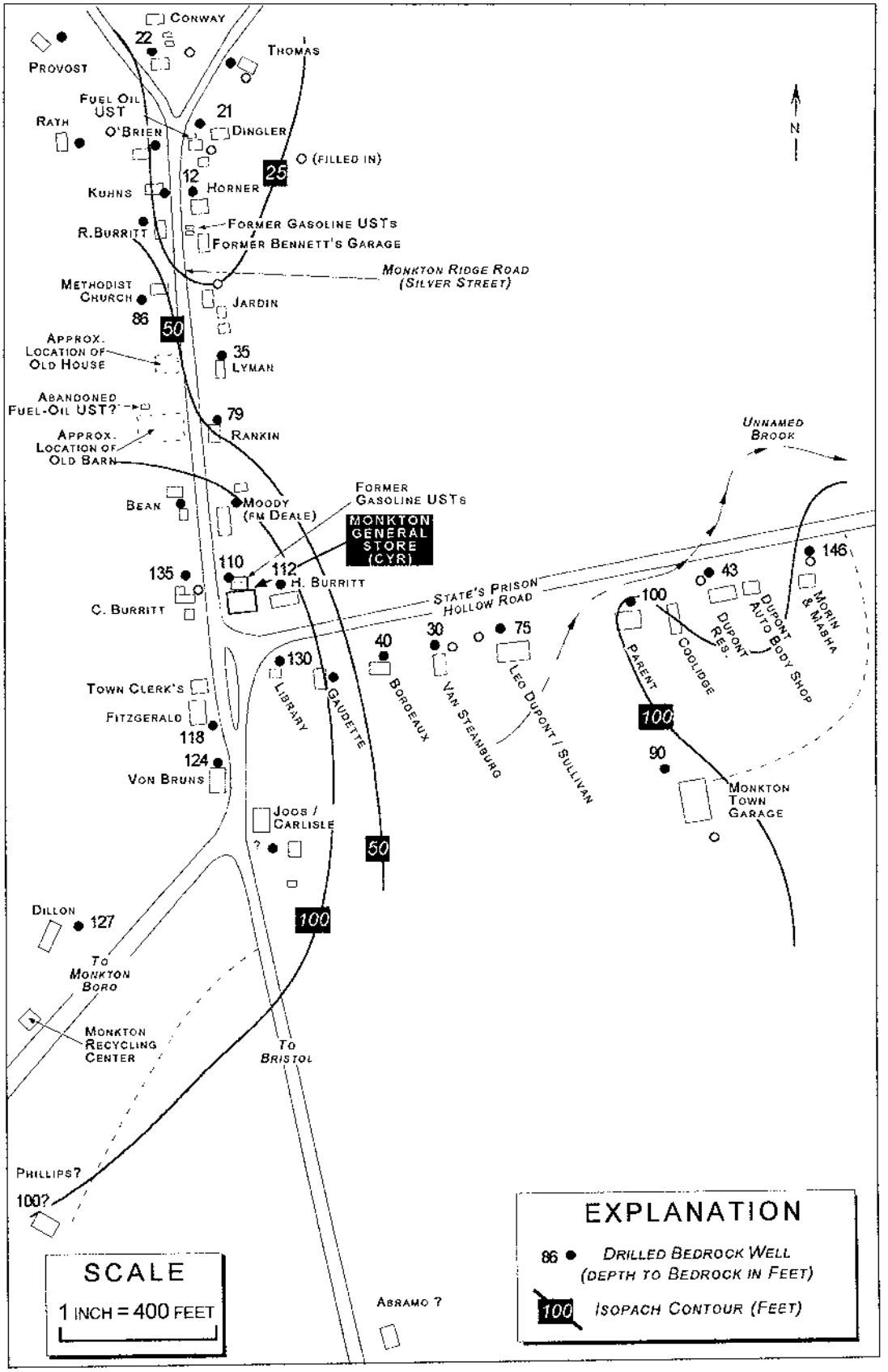


FIGURE 8

ISOPACH MAP OF OVERBURDEN,
MONKTON RIDGE, VERMONT.

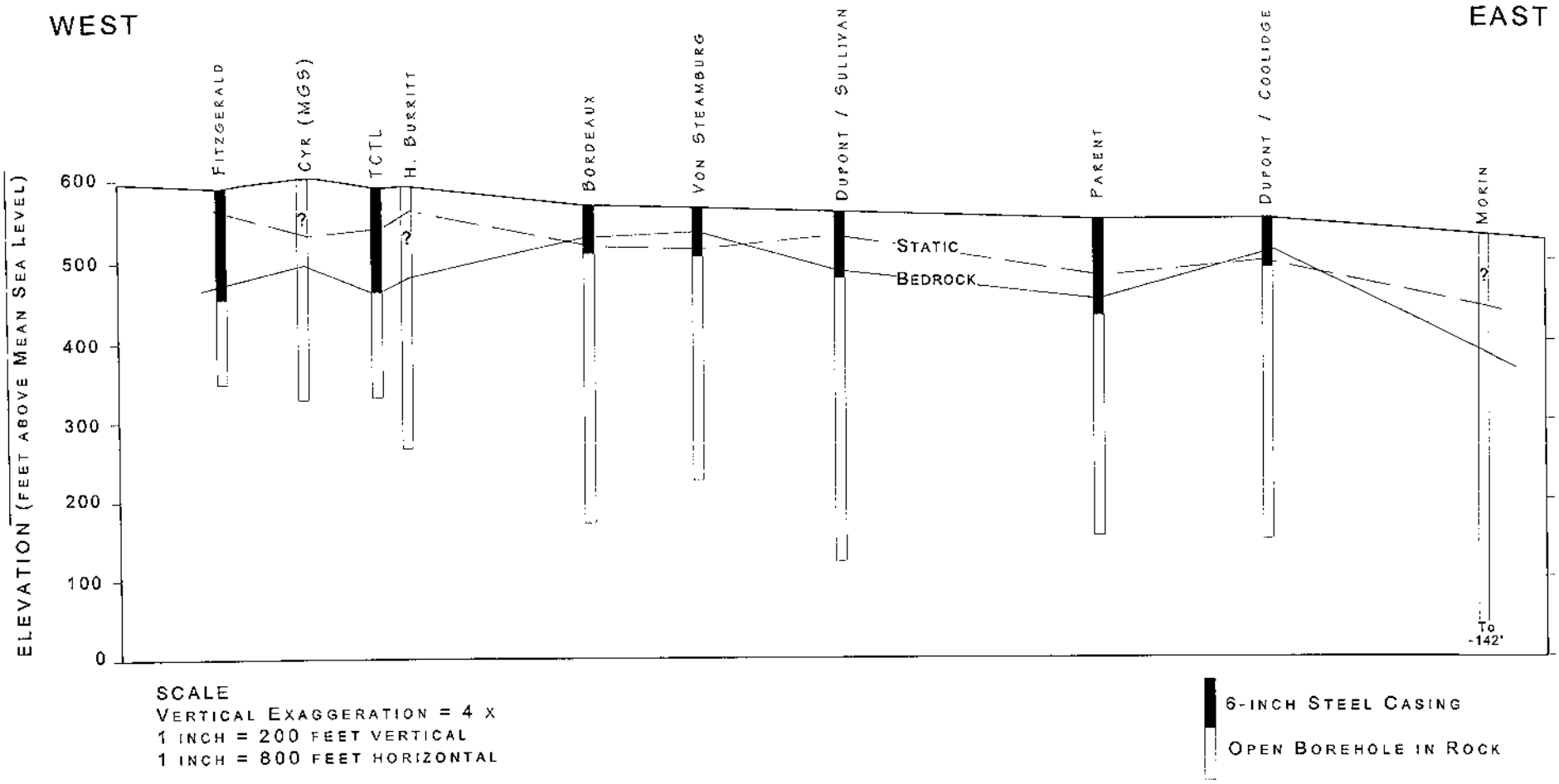
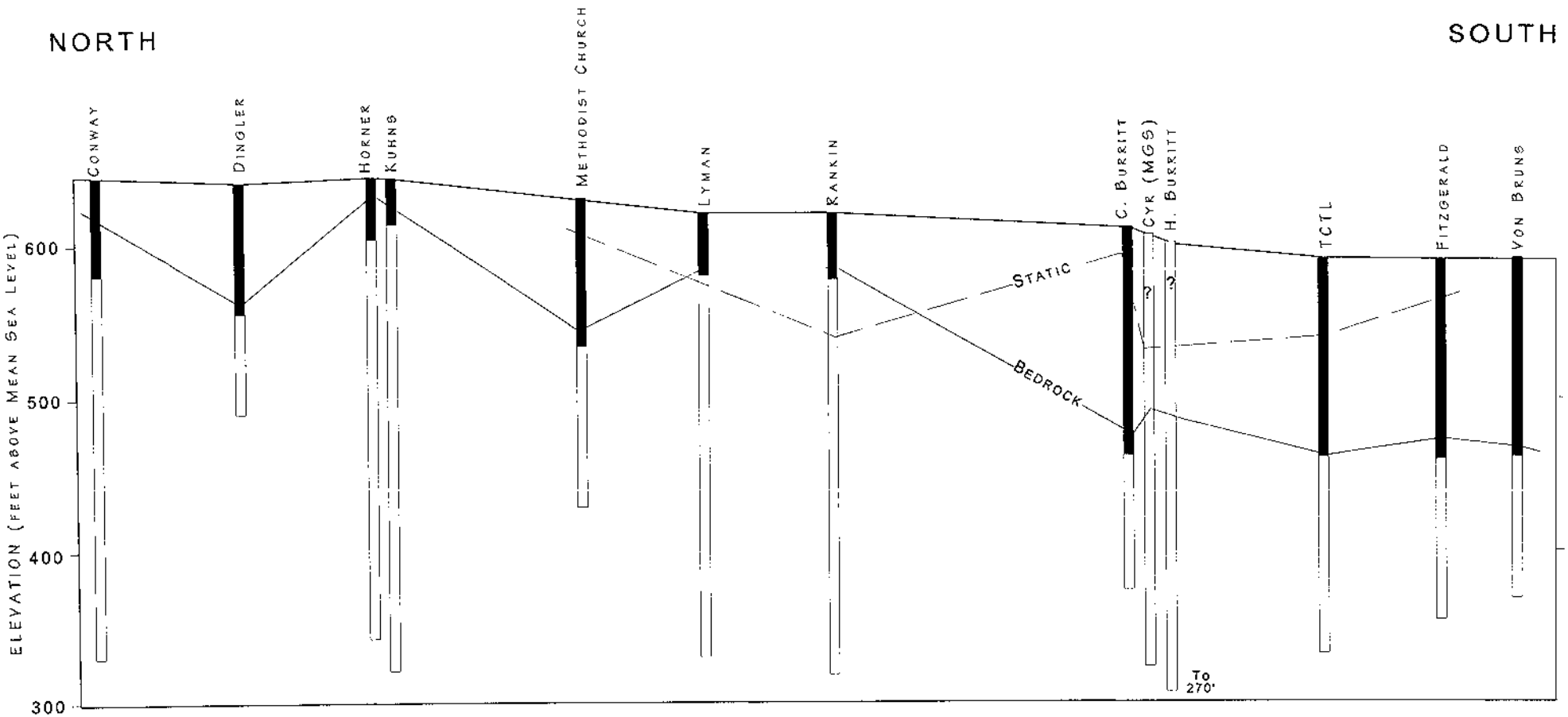


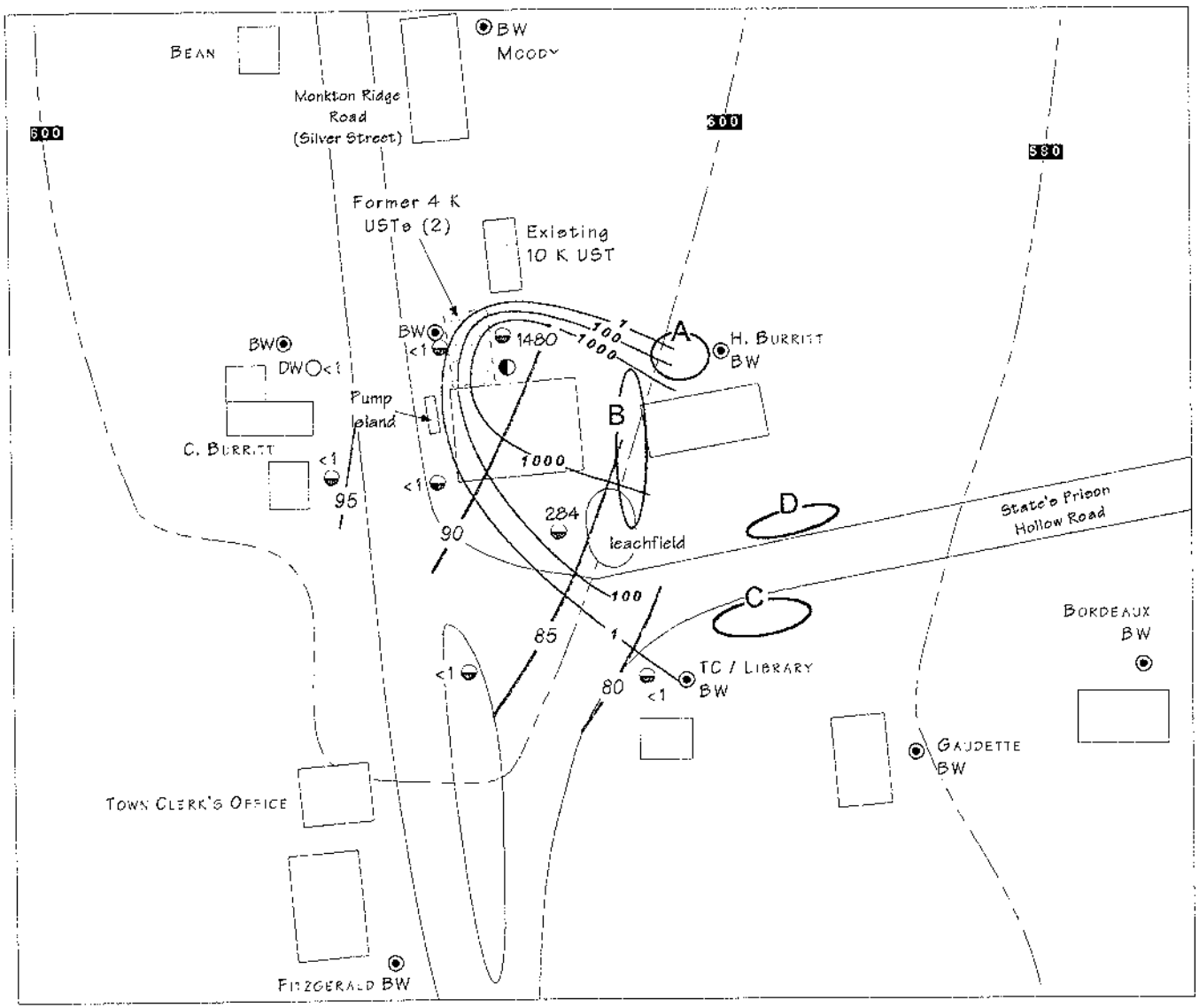
FIGURE 9
WEST TO EAST CROSS SECTION,
MONKTON GENERAL STORE, MONKTON RIDGE, VERMONT.



SCALE
VERTICAL EXAGGERATION = 8 X
1 INCH = 100 FEET VERTICAL
1 INCH = 800 FEET HORIZONTAL

6-INCH STEEL CASING
OPEN BOREHOLE IN ROCK

FIGURE 10
NORTH TO SOUTH CROSS SECTION,
MONKTON GENERAL STORE, MONKTON RIDGE, VERMONT.



SAMPLING DATES:
2/20/98 = MW-101, MW-102, MW-103
3/16/98 = MW-104, MW-105, MW-106, MW-107

GRAPHIC SCALE
(1 inch = 100 feet)
0 1/2 1 inches
0 50 100 feet

North

EXPLANATION

- BW ◉ BEDROCK SUPPLY WELL
- DW ○ DUG WELL
- 580 GROUND SURFACE ELEVATION CONTOUR (FEET ABOVE MSL)
- 1440 ◒ BENZENE CONCENTRATION IN OVERBURDEN (UG/L)
- 100 BENZENE ISOCONCENTRATION CONTOUR (UG/L)
- 95 GROUNDWATER ELEVATION CONTOUR (FEET)
- AREA FOR ADDITIONAL OVERBURDEN MONITORING WELLS

FIGURE 11

PROPOSED AREAS FOR ADDITIONAL OVERBURDEN MONITORING WELLS, MONKTON GENERAL STORE, MONKTON RIDGE, VERMONT.

HOFFER & ASSOCIATES
CONSULTING HYDROGEOLOGISTS

RR 4, Box 2286
Montpelier, VT 05602
(802) 229 - 1113
fax: 229 - 2780

May 20, 1997

Carl Ruprecht, UST Manager
S.B. Collins, Inc.
54 Lower Welden Street
St. Albans, Vermont 05478

Re: UST Site Assessment, Monkton General Store, Monkton, VT
UST Facility ID # 4532385

Dear Carl:

This letter presents the site assessment report for the closure of two 4,000-gallon gasoline underground storage tanks (USTs), at the Monkton General Store, in Monkton, Vermont. Both USTs were closed on May 16, 1997. UST cleaning services were provided by Environmental Products and Services, Inc., of Burlington, Vermont, and excavation services were provided by Poquette Excavating, of Georgia, Vermont. The USTs were owned by the store owner, Mr. James Cyr, of Monkton. Our assessment included photoionization detector (PID)[1] screening of excavation soils and inspection of both USTs after removal. Included with this letter are the Vermont UST Program tank closure forms for you to complete and submit to the State.

Site assessment activities included PID screening of soils excavated south of the store to make room for a new 10,000-gallon gasoline UST. Screening of these soils took place on May 12, 1997.

New UST Excavations

On May 12, 1997, I was present on site to screen soils being excavated for a new UST pit, located on the south side of the store building. A preliminary test pit indicated the presence of petroleum contamination in a coarse angular gravel unit located about seven feet below ground surface. PID measurements from this unit ranged from 1365 ppm to over 2000 ppm (the maximum concentration detectable by the instrument). The gravel appeared to be the top of a weathered till unit, and had a distinctly dark gray to black color, and strong petroleum odors were noted coming from the unit. The gravel unit was

[1] PID measurements taken using a Photovac 2020 PID equipped with 10.6 eV lamp, calibrated with isobutylene, set to respond to isobutylene. Headspace readings obtained by placing a soil sample into a zip lock bag and measuring the headspace above the sample.

saturated (with water) and is likely the top of the water table. Subsequent excavation activities confirmed that this contamination was continuous in the area. Free product was not encountered initially in the excavation but sheens did eventually appear on the surface of water entering the excavation. All of the contaminated material was placed back into the test pit.

Due to the presence of contamination south of the building, the new UST excavation was moved to the north of the building, where there was not thought to be any contamination. PID readings from soils in a test pit in the new location did not detect contamination in this area. The excavation for and installation of the new UST proceeded here.

UST Removals and Observations

I arrived at the site on Friday, May 16, at approximately 8 AM. The tops of the USTs had been exposed, and the USTs drained and cleaned by EPS the previous day. Approximately 40 yards of soil had been removed from above the USTs and was stockpiled adjacent to the excavation. PID screening of the soils remaining over the USTs ranged from 0.0 parts per million (ppm) to 2.2 ppm in the vicinity of the fill pipes.

The westernmost UST was removed first, designated UST number one for the purposes of the site assessment. UST two, located in the same excavation immediately east of number one, was removed after number one was hauled off-site. Both USTs were taken immediately after removal from the excavation to the property of T. L. Boise Excavating, Inc., in New Haven, Vermont, where they are to be cut up and sold as scrap. Upon inspection, both USTs were determined to be in very good condition, with no corrosion or pitting present on any of the exterior surfaces.

PID measurements obtained from beneath both USTs ranged from 0.0 ppm to a maximum of 112 ppm. The highest reading was obtained from beneath UST one's fill pipe area, and is probably the result of spillage during product transfer. There was no petroleum staining associated with the contaminated soils in the excavation.

Soils present in the excavation were UST backfill materials, consisting of brown, fine to medium gravel and fine sand, which extended to depths of approximately eight feet. Native materials beneath the fill consisted of moist brown medium sand, with some silt and fine gravel. Groundwater was not observed entering this excavation during UST closure activities. All soils removed during the course of UST removal activities were backfilled into the excavation at the conclusion of removal activities.

Following the removal of both USTs, the pump island was demolished and the piping beneath it removed. PID readings from beneath the pump dispensers ranged from 86.5 to 1162 ppm. These soils were obtained from depths of approximately two feet. All material removed from beneath the pump island was also placed in the UST excavation at the conclusion of excavation activities.

Potential Receptors

The Monkton General Store is located in the Village of Monkton Ridge, in the Town of Monkton. The village is situated on a ridge surrounded by agricultural property. The properties bordering the site are all residential. The nearest surface water body is Cedar Lake, located about 0.3 mile to the west. Pond Brook is located about one mile east of the site. Both Cedar Lake and Pond Brook drain into Lewis Creek, which flows west to empty into Lake Champlain in the Town of Ferrisburg. There is a storm drain/drainage ditch along the southern border of the Monkton General Store property. The eventual outlet of this ditch is unknown at this time, however, it is likely that it eventually empties into Pond Brook, given the direction of flow in the ditch and local topography. The local groundwater flow direction is likely to the east-southeast, toward Pond Brook. A preliminary review of the area indicated that all of the residences in the area use private wells, and have private septic systems. Some of the wells are located in the presumed downgradient direction of the USTs and the contamination south of the store. Whether these wells or indoor air spaces in the neighboring buildings have been impacted is not known at this time.

CONCLUSIONS AND RECOMMENDATIONS

Based on the elevated PID readings from soils in both the proposed and the former UST excavations, and the presence of sheens on the surface of water within the proposed UST excavation, additional investigation at this site is recommended. Site investigation activities should include the installation of monitoring wells to determine groundwater flow direction and the degree of impact to groundwater, indoor air quality surveys in the store and surrounding buildings, and sampling of the on site and surrounding downgradient domestic wells. Please do not hesitate to call if you have any questions regarding the results of the site assessment or these recommendations.

Sincerely,
HOFFER & ASSOCIATES

Timothy F. Schmalz
Project Geologist

enc.

UNDERGROUND STORAGE TANK PERMANENT CLOSURE FORM

In the redesign of the UST Permanent Tank Closure Form, a question was inadvertantly omitted. In the written site assessment please address "What receptors have been impacted (please identify the recepter; soil, indoor air, groundwater, surface water and/or water supply)?"

UST Program

...tural Resources
...Conservation
...t Division
...West Building
...05671-0404
...241-3888

Site assessment company: HOFFER & ASSOCS.
Site manager: TIM SCHUMAN
Phone Number of company (or person): (802) 434 1113
Date of UST closure: 5/16/97
Date of site assessment: 5/16/97

...Number of employees: 5
...VT.
Contact(if different than owner): ...
ESSEX JUNC, VT 05452
Contact telephone #: JAMES CYR

...Liability ✓ Replacement ___ Abandoned
___ Piping ✓ Tanks & Piping

USTs (piping is considered a part of UST system) undergoing permanent closure. Include condition of USTs

UST #	Product	Size (gallons)	Tank age	Tank Condition	Piping age	Piping condition
1	GASOLINE	4000	10 yrs (1986)	GOOD	(AT LEAST) 10 YRS.	GOOD
2	"	4000	10 YRS	GOOD	(AT LEAST) 10 YRS.	GOOD

Which tanks, if any, will be closed in-place: USTs# — Authorized by: — Date: — / /

Disposal/destruction of removed UST(s): Location N. BOISE, NEW HAMP. Method CUT UP - SCRAP Date: / /
Amount (gal.) and type of waste generated from USTs: 100 GALLONS - GASOLINE BOTTOMS - SLUDGE.
(tank contents are hazardous wastes unless recovered as usable product)
Tank cleaning company (must be trained in confined space entry) ENVIRONMENTAL PRODUCTS + SERVICES
Certified hazardous waste hauler: S.B. COLLINS INC. Generator ID number: VTP 000003672

Section C. Initial site characterization:
Work in this section must be completed by a professional environmental consultant or hydrogeologist with experience in environmental sampling for the presence of hazardous materials. A full report from the consultant must accompany this form.

PID information:
Make: PHOTOVAC Model: 2020 Calibration information (date, time, gas): 5/16, 0800, 100ppm isobutyl.

Excavation information: *(some tank pulls require more than one excavation)*

Tank(s) # and Excavation (A,B,C,etc)	Depth (ft)	Excavation size(ft³)	Peak PID reading	Depth of Peak (ft)	Avg PID reading	Bedrock Depth (ft)	Groundwater encountered? (y/n) and at depth (ft)	Soil type
1+2	7-9'	390	112ppm	7-9	13.7	NA	NOT IN EXC.	FINE SAND + GRAVELS.
							SEE REPORT	(GENERALLY LOAMY SAND)

Locate all readings and samples on site diagram
Number of soil samples collected for laboratory analysis? 0 results due date / /
Have any soils been polyencapsulated on site? Yes___ (#yds³___ PID range above zero ___ - ___ ppm) No ✓
Have any soils been transported off site? Yes___ list amount (yds³): ___ No ✓
Location transported to: — DEC official who approved —
Amount of soils backfilled(yds³): ___ PID range above zero 0.8 - 11.7 ppm
Have limits of contamination been defined? Yes___ No ✓
Is there any other known contamination on- site? Yes ✓ No___ Comments: SEE REPORT.

Free Phase product encountered? Yes___ thickness___ No ✓
Groundwater encountered? Yes ✓ depth(ft) 6-7 No___
Are there existing monitoring wells on-site? Yes___ how many: ___ (locate on site diagram) No ✓
Have new monitoring wells been installed? Yes___ how many: ___ (locate on site diagram) No ✓
Have samples been taken from any monitoring wells for lab analysis? Yes___ results due date / / No ✓

Is there a water supply well on site? Yes ✓ (check type: shallow ___ (rock) ✓ spring___) No
How many public water supply wells are located within a 0.5 mile radius? ___ min. distance (ft.): ___ (UNKNOWN)
How many private water supply wells located within a 0.5 mile radius? 2 min distance (ft.): 100' AT LEAST 4, NOT INCL. SITE WELL.

Facility ID# 4532385

Section D: Tanks/Piping Remaining/installed

Regardless of size, include USTs at site as to "status, e.g. "abandoned", "in use", or "to be installed". (Most installations require permits and advance notice to this office.)

UST#	Product	Size(gallons)	Tank age	*Tank status	Piping age	*Piping Status

✓ There are no other tanks at this site. NO UST'S. 2 KERO ASTS (2 x 275 GAL) & 2 ASTS IN BSMT. (HEAT.)

Section E. Statements of UST closure compliance:
(must have both signatures or site assessment not complete)

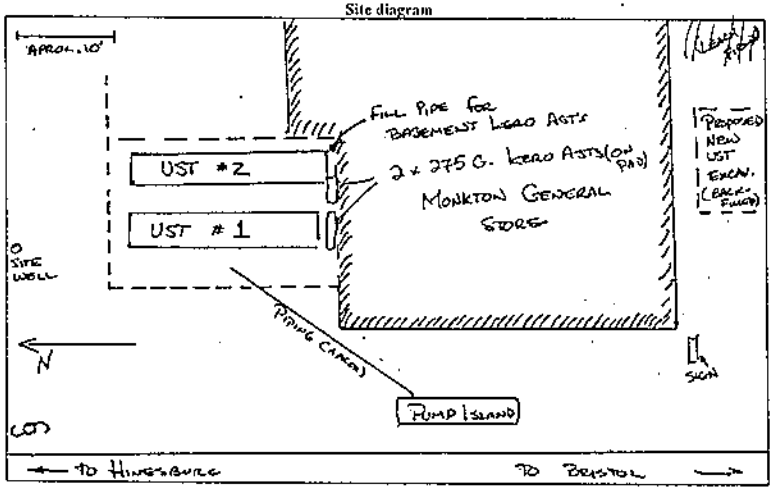
As the party responsible for compliance with the Vermont UST Regulations and related statutes at this facility, I hereby certify that the all of the information provided on this form is true and correct to the best of my knowledge.

_____ Date:_____
Signature of UST owner or owner's authorized representative

As the environmental consultant on site, I hereby certify that the site assessment requirements were performed in accordance with DEC policy and regulations, and that information which I have provided on this form is true and correct to the best of my knowledge.

_____ Date:_____
Signature of Environmental Consultant

Site diagram



Return form along with complete narrative report and photographs to the Department of Environmental Conservation(DEC), Underground Storage Tank Program within 72 hours of closure.

This Closure Form may only be issued for the facility and the date indicated in the upper left hand corner of page 1. **Changes in the scheduled closure date should be phoned in at least 48 hours in advance.** Both the yellow and white copies of this form must be returned to the address on the top of page 1 of this form; the pink copy should be retained by the UST owner. A written report from an environmental consultant covering all aspects of closure and site assessment, complete with photographs and any other relevant data, must accompany this form. All procedures must be conducted by qualified personnel, to include training required by 29 CFR 1910.120. Documentation of all methods and materials used must be adequate. All work must be performed in compliance with DEC policy "UST Closure and Site Assessment Requirements" as well as all applicable statues, regulations, and additional policies. The DEC may reject inadequate closure forms and reports.

Monkton Gen. Store
453-2305

State of Vermont

AGENCY OF NATURAL RESOURCES
Department of Environmental Conservation
Waste Management Division
103 South Main Street / West Office
Waterbury, VT 05671-0404
Tel: (802) 241-3888
Fax: (802) 241-3296

Department of Fish and Wildlife
Department of Forests, Parks and Recreation
Department of Environmental Conservation
State Geologist
Natural Resources Conservation Council
RELAY SERVICE FOR THE HEARING IMPAIRED
1-800-253-0191 TDD>Voice
1-800-253-0195 Voice>TDD

June 20, 1997

MR. JAMES CYR
J.P. CYR, INC.
BOX 2000, RT. 1 NORTH
FERRISBURG, VT 05473

RE: Petroleum contamination at Monkton General Store
Monkton Ridge, Monkton, VT
Site #97-2183

Dear Mr. Cyr:

The Sites Management Section (SMS) has received a site assessment report outlining the subsurface conditions for the above referenced site, submitted by Timothy Schmalz of Hoffer and Associates on June 3, 1997. This report summarizes the degree and extent of contamination encountered during the assessment. The tanks removed were two 4,000 gallon, gasoline underground storage tanks (USTs). Site assessment activities included the screening of soils excavated at the potential installation location for a new 10,000 gallon gasoline UST.

During the tank pull, soils screened at 7.0 feet below ground surface (fbgs) had a peak volatile organic compound (VOC) concentration of 112.0 parts per million (ppm) as measured by a photoionization detector (PID). During the demolition and removal of the dispenser and piping system, soils screened at 2.0 fbgs had a peak VOC concentration of 1162 ppm as measured by a PID. The soils within the UST excavation were characterized as brown, fine to medium gravel with fine sand as considered UST backfill material. The soils excavated outside the backfill material were characterized as moist brown medium sand with some silt and fine gravel. Neither groundwater nor free phase petroleum product was encountered during assessment activities. Bedrock was not encountered during UST removal activities. All excavated soil was backfilled since the full extent of the contamination was unknown.

During initial excavation for the new UST, soils screened at 7.0 fbgs within a saturated, petroleum stained, course angular gravel unit, had a peak VOC concentration of 2000 ppm, the maximum detection limit of the model PID used for measurement. Subsequent excavations in the area confirmed the widespread

distribution of the contamination. All excavated soil was backfilled since the full extent of the contamination was unknown.

Based on the above information, the SMS determined that additional work is necessary at the site in order to determine the severity of the contamination present. Due to the possibility of contaminant impact to nearby receptors, the SMS is requesting that J.P. Cyr, Inc. retain the services of a qualified environmental consultant to perform the following:

- Further define the degree and extent of contamination to the soil. This may be accomplished by obtaining soil borings, digging test pits, performing a soil gas survey or another method approved by the SMS. If soils is found to contain evidence of contamination at the water table, then a sufficient number of monitoring wells should be installed in location which will adequately define the severity of contamination at the site. All groundwater samples collected should be analyzed for BTEX and MTBE compounds.

- Perform an assessment of the site to determine the potential for sensitive receptors to be impacted by the contamination. This should include basements of adjacent buildings, nearby surface water, and any public or private drinking water wells which are located within the vicinity of the site. If any water supplies appear to be at risk from this contamination, they should be sampled and analyzed for BTEX and MTBE compounds.

- Determine the need for a long term treatment and/or monitoring plan which addresses the contamination present at the site. The need for such a plan should be based on the results of the above investigation.

- Submit to the SMS a summary report which outlines the work performed, as well as provides conclusions and recommendations. Included should be analytical data, a detailed site map showing the location of any potential sensitive receptors, an area map, and if monitoring wells are installed, detailed well logs and a groundwater contour map.

Please have your consultant submit a preliminary work plan and cost estimate or a site investigation expressway notification form within fifteen days of your receipt of this letter so that it may be approved prior to the initiation of onsite work. Enclosed please find a list of consultants who perform this type of work in the area as well as the brochure "Selecting Your UST Cleanup Contractor", which will help you in choosing an environmental consultant.

Based on the current information available, the USTs at the Monkton General Store are covered by the Petroleum Cleanup Fund (PCF) as set forth in 10 V.S.A. §

1941. An owner or permittee of a UST that does not hold private insurance coverage applicable to this situation, is eligible for reimbursement from the PCF for certain expenses. A written proof of no insurance must be submitted before the PCF can be utilized for reimbursement. An owner or permittee of an UST, who is not in significant violation of his or her permit, is eligible for reimbursement from the PCF. The owner or permittee must pay for the removal or repair of the UST and the first $10,000 of the cleanup; there after the PCF will reimburse the owner or permittee for additional eligible cleanup costs up to $1,000,000. All expenditures must be pre-approved by the Agency or performed in accordance with the "Site Investigation Guidance" expressway program for reimbursement to occur. Please refer to the attached guidance document " Procedures for Reimbursement from the Petroleum Cleanup Fund" for further information on this program. Additionally, the Secretary of the Agency of Natural Resources reserves the right to seek cost recovery of fund monies spent at the Monkton General Store site if the Secretary concludes the J.P. Cyr, Inc. is in significant violation of the Vermont Underground Storage Tank Regulations and/or the Underground Storage Tank statue (10 V.S.A., Chapter 59). If you have any questions, please feel free to contact me at (802) 241-3876.

Sincerely,

for Chuck Schwer, Supervisor
Sites Management Section

cc: Ferrisburg Selectboard
Ferrisburg Health Officer
DEC Regional Office
Timothy Schmalz, Hoffer and Associates

C:\MYFILES\WP\FRSTRSP\FR972183

HOFFER & ASSOCIATES
CONSULTING HYDROGEOLOGISTS

RR 4, Box 2286
Montpelier, VT 05602
(802) 229 - 1113
fax: 229 - 2780

July 7, 1997

Mr. James Cyr
Monkton General Store/J. P. Cyr, Inc.
Box 2000, Rt. 1 North
Ferrisburg, VT 05473

Re: Proposal for Site Investigation

Dear Mr. Cyr:

Based on the Vermont Sites Management Section's (SMS) letter dated June 20, 1997, we have prepared the following scope of work and cost estimate for a site investigation at your store in Monkton. As detailed in the SMS letter, a site investigation is necessary to define the degree and extent of petroleum contamination associated with the two 4,000-gallon gasoline underground storage tanks (USTs) which were excavated and removed from your property on May 16, 1997. Evidence of petroleum-related contamination was found in the former UST excavation, the initial new UST excavation, and underneath the dispenser and pump system.

Our scope of work is designed to address the items listed in the SMS's letter, and is based on our observations during the removal of the tanks in May.

SCOPE OF WORK

General Site Characterization

General information pertaining to the environmental setting of the site will be assembled from various sources including USGS topographic maps, SCS soil maps, geologic and hydrologic reports, and the Water Supply Division's water well inventory database. Some of this information probably exists in state files of an investigation of the former gas station north of your store (SMS Site # 91-1020). We will utilize the information presented in this investigation and update this information with respect to the Monkton General Store. Information on the environmental setting will be used to identify potential receptors (surface water, wetlands, groundwater users, etc.) which could be impacted by petroleum contamination at the site.

Location, vicinity, and site maps will be prepared and included in the report.

Indoor Air Quality Screening

To ascertain if site contamination poses a risk to indoor air quality, a survey will be performed with a photoionization detector (PID) in the General Store and adjacent buildings which could be impacted by contamination originating at the site.

Monitoring Well Installations

To assess the degree and extent of soil and groundwater contamination, we propose to install four shallow groundwater monitoring wells. We propose to sub-contract Adams Engineering to provide well drilling services. Adams Engineering utilizes a small drilling rig which is ideal for installing cost-effective shallow monitoring wells. Boreholes will be advanced by driving a 2 5/8-inch sample tube. By using this method, continuous soil samples will be available for characterization. The boreholes will be advanced to at least five feet below the top of the water table, which was encountered at approximately seven feet during the excavations for the proposed new UST location. The wells will be constructed with 1.5-inch diameter PVC, and a factory-slotted well screen (0.010-inch) will be used for each well. The screened sections will be positioned to intercept the water table to allow for seasonal water table fluctuation, and to monitor for floating free product. If the boreholes created by driving the sample tube do not remain open, the wells will be vibrated to depth and completed without a sandpack. If the boreholes remain open, a sandpack will be placed around the outside of the screen. In either case, a bentonite seal will be used near the surface of the borehole to minimize surface infiltration around the outside of the well. The wells will be developed by either pumping with a peristaltic pump, or by bailing and surging. The wells will be completed at the surface with manholes flush with the ground surface.

Soil samples will be characterized for color, moisture, texture (SCS), and other properties. Representative samples will be screened with a PID to evaluate relative levels of contamination. The soil samples will be placed into plastic zip-lock bags and the PID probe will be inserted into the bag to measure organic vapor concentrations.

The placement of the four wells will depend upon site access and utility clearance issues. We will contact DIG-SAFE at least 48 hours prior to drilling. Tentative locations for the wells are presented on Figure 1. The proposed wells are located to include an upgradient well and three downgradient wells.

After the wells are installed, a site survey will be performed to allow preparation of a site basemap. The survey will include obtaining elevations and locations of the wells, and relevant site features.

Groundwater Sampling and Analysis

The four new wells will be sampled for benzene, toluene, ethylbenzene, and xylenes (BTEX), and methyl-tert-butyl-ether (MTBE). Prior to sample collection, PID well headspace and water level measurements will be recorded for each well. An interface probe will be utilized to monitor for floating free product in wells where free product is suspected. Prior to sample collection, the wells will be purged of three well volumes (or until dry). Purging and sampling activities will be conducted using dedicated bailers.

In addition to the wells installed at the site, at least two shallow supply wells were observed in the vicinity of the site, as well as several bedrock wells. Samples will be obtained from the shallow wells. Samples will also be obtained from bedrock wells believed to be potentially threatened, based on review of the bedrock well construction logs and their proximity to the site.

Quality assurance/quality control samples will include a trip blank, a field blank, and a blind duplicate. The trip blank will be provided by the laboratory. It will be transported with all sample vials to the site, handled in a similar fashion as collected samples, and then accompany the samples back to the laboratory. The field blank will be filled on site by pouring deionized water into sample vials at the conclusion of sampling activities. A blind duplicate will be collected from one of the wells along with the sample from that well, and will be labeled with a fictitious sample name and time. A laboratory chain-of-custody form and field sampling data sheet will be utilized to document the sampling event. The chain-of-custody form will accompany the samples to the laboratory.

All samples will be analyzed for BTEX and MTBE using EPA Method 8020. We propose to utilize Scitest Laboratory Services of Randolph, Vermont.

Groundwater Elevations

Site groundwater levels will be measured upon well completion and during the sampling event. Water levels will be converted to elevations to construct groundwater elevation maps.

Report Preparation

Following the field efforts, a report will be prepared which details the field procedures and sampling results at the site. The report will include descriptions of investigative procedures covering monitoring well installations, groundwater sampling, soil screening, and PID surveys. The report will include well logs, tabulations of water levels and analytical data, water-table maps, and isoconcentration contour maps. The report will present an interpretation of the site hydrogeology and extent of contamination, a qualitative assessment of risks posed by site contamination to potential receptors, and recommendations additional activities, if necessary.

Project Costs

As detailed on the enclosed Table 1, the estimated project costs are as follows:

Hoffer & Associates	$2,587.20
Well Driller	$1395.00
Laboratory	$550.00
ESTIMATED TOTAL	**$4437.20**

The anticipated time frame for completion of the field work phase of this project through submittal of the site investigation report is approximately eight weeks. This time frame can be accelerated if necessary.

If you accept this proposal, our services will be provided and billed in accordance with the enclosed Standard Terms. You acknowledge having read and agreed to these terms upon acceptance of this proposal. You can authorize the work by signing below or issuing a purchase order. This proposal will remain open for 30 days.

If you authorize us to perform the site investigation, we can proceed by sending a copy of this scope of work/cost estimate to the SMS, or initiating the investigation immediately under the SMS's "expressway" procedure.

If you have any questions concerning this proposal, please give us a call.

Respectfully submitted,
HOFFER & ASSOCIATES

Jefferson P. Hoffer, P.G.
Principal Hydrogeologist

enc.

Accepted By:

Authorized Signature Date

Name Title

TABLE 1

Cost estimate for site investigation,
Monkton General Store, Monkton Ridge, Vermont.
SMS Site # 97-2183

LABOR

TASK	Staff	Hours	Rate	Amount
Background Information Review	TFS	8.00	$40.00	$320.00
Utility Clearances, Dig-Safe, etc.	TFS	2.00	$40.00	$80.00
Monitoring Well Drilling	TFS	12.00	$40.00	$480.00
Site Survey/Basemap Update/Well Logs	TFS	2.00	$40.00	$80.00
Groundwater Sampling/Receptor Survey	TFS	6.00	$40.00	$240.00
Map Preparation - Water Table, Isoconcentration	JPH	2.00	$50.00	$100.00
Report Preparation	TFS	24.00	$40.00	$960.00
Report Preparation	JPH	2.00	$50.00	$100.00
			SUB-TOTAL LABOR	$2,360.00

EXPENSES

ITEM	Quantity	Rate	Mark Up	Amount
Mileage - Drilling (roundtrip)	120	$0.28	$0.00	$33.60
Mileage - GW Sampling (roundtrip)	120	$0.28	$0.00	$33.60
PID Rental - Drilling	1	$75.00	$0.00	$75.00
PID Rental - GW Sampling / Indoor Air Survey	1	$25.00	$0.00	$25.00
PVC Sampling Bailers	3	$20.00	$0.00	$60.00
Adams Engineering				
Mobilization/Demobilization	1	$150.00	$0.00	$150.00
Monitoring Well Drilling - 4 Wells	4	$300.00	$0.00	$1,200.00
Surveying	1	$45.00	$0.00	$45.00
Scitest Laboratory Services				
8020 - BTEX/MTBE (4 MWs, 2 Shallow wells, 2 BR wells 3 QA/QC)	10	$55.00	$0.00	$550.00
			SUB-TOTAL EXPENSES	$2,172.20

ESTIMATED PROJECT COST $4,532.20

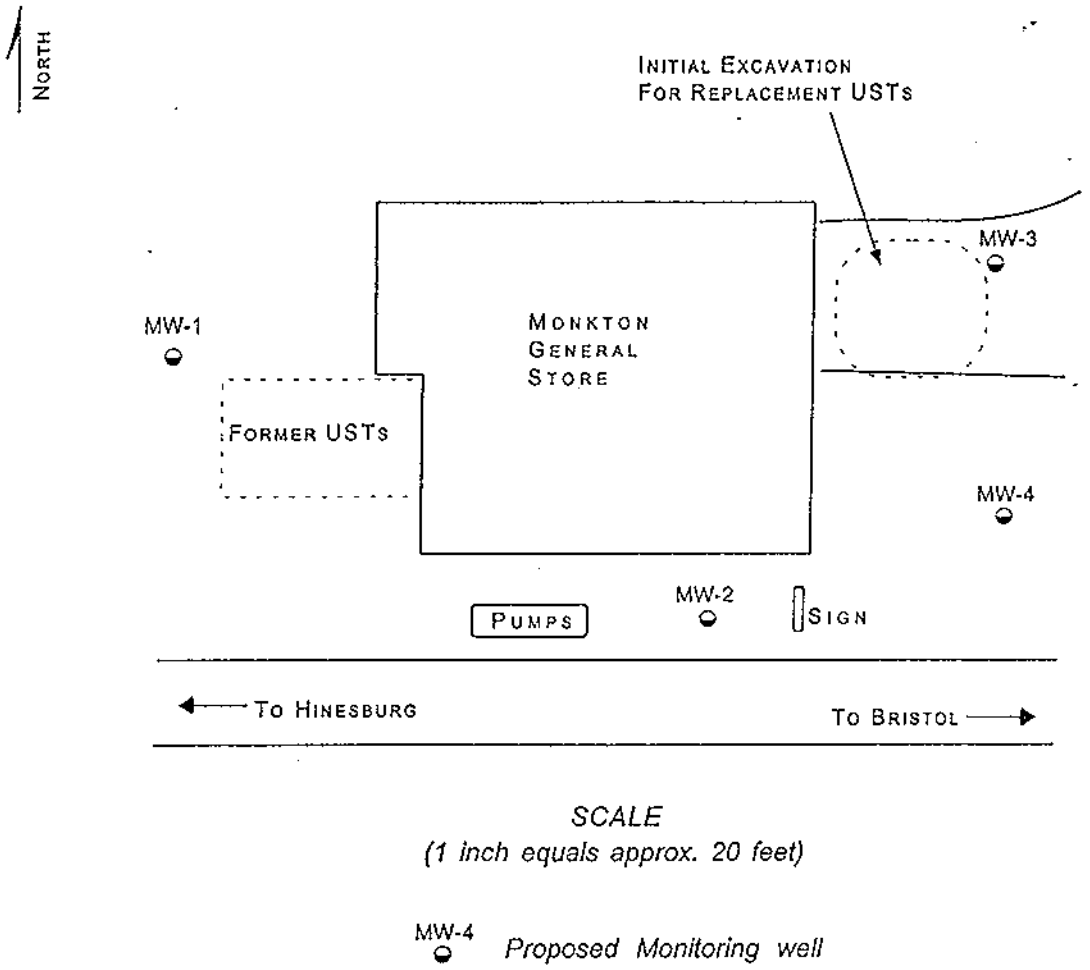


FIGURE 1
SITE MAP AND PROPOSED MONITORING WELLS,
MONKTON GENERAL STORE,
MONKTON RIDGE, VERMONT, SMS SITE #97-2183.

State of Vermont

AGENCY OF NATURAL RESOURCES
Department of Environmental Conservation

Department of Fish and Wildlife
Department of Forests, Parks and Recreation
Department of Environmental Conservation
State Geologist
RELAY SERVICE FOR THE HEARING IMPAIRED
1-800-253-0191 TDD>Voice
1-800-253-0195 Voice>TDD

Waste Management Division
103 South Main Street / West Building
Waterbury, VT 05671-0404
802-241-3888

February 6, 1998

JAMES AND PENNY CYR
JP CYR INC
BOX 2000 RT 1 NORTH
FERRISBURG VT 05473

RE: Petroleum Contamination at Monkton General Store WMD Site # 97-2183

Dear Mr. & Ms. Cyr:

The Waste Management Division (WMD) has reviewed the site investigation work plan and cost estimate submitted by Hoffer & Associates for the above referenced site. The work plan includes the elements of work requested by the WMD in our letter to you dated June 7, 1997. This work consists of general site characterization, air quality screening, the installation of four monitoring wells, groundwater sampling and analysis, and related tasks that are necessary to evaluate the degree and extent of contamination at this site.

The WMD approves the scope of work and cost estimate as proposed. Please have your consultant proceed with this work.

Thank you for your efforts in the investigation of this site. If you have any comments or questions regard this, please call.

Sincerely,

Bob Haslam

Bob Haslam
Hazardous Materials Specialist
Sites Management Section

BH/bh
cc Jeff Hoffer, Hoffer & Associates

SOIL BORING / MONITORING WELL CONSTRUCTION LOG

WELL BORING ID: MW-101

Client / Site:	JP Cyr, Inc., Monkton General Store
Location:	Monkton General Store, Monkton Ridge, VT.
Project Number:	79-01
Driller:	Gerry Adams - Adams Engineering
Drilling Method:	2 3/8" Sampler (vibratory)
Geologist:	Tim Schmalz
Sampling Method:	continuous samples
Date:	2/11/98
Weather:	Cool (25 degrees), calm, clear
Boring Location:	East of former USTs, N of bldg.

Well Construction Information	
Total Depth Drilled:	11.5' BGS
Screen Type/Interval:	1.5" sch. 40, 10-slot PVC / 10.8' - 0.8' BGS
Riser Type/Interval:	2.0" sch. 40 PVC sleeve / 2.5' - 0.2' BGS
Sandpack Type/Interval:	#1 sand & natural pack / 10.9' - 1.5' BGS
Seal Type/Interval:	Bentonite slurry / 1.5' - 1.0' BGS
Water Level/Date	6.96'/3.316.98
Elevation Ground:	98.52 (est.)
Elevation TOC:	98.02
Other:	

Sample Interval (feet BGS)	Total Driven / Recovery (feet)	Recovered Interval (feet)	Approximate Depth (feet BGS)	Sample Description (color, texture, moisture, etc.)	USDA Soil Texture	PID Reading* (ppm)
0.0 - 5.0	5.0 / 2.0	2.0	1.5 - 3.5	Brown, slightly moist to moist, soft, silty fine sand with trace c. sand (60% fine sand, 35% silt and clay, 5% c sand/f. grav.).	sandy loam (fill?)	1.2
5.0 - 10.0	5.0 / 3.0	1.5	5.0 - 6.5	Same (as above).	sandy loam	nm
		1.5	6.5 - 8.0	Gray, wet, soft silty sand with gravel (20% ang to subang m to c gravel, 40% fine sand, 40% silt and clay).	gravelly sandy clay loam	4.2
10.0 - 15.0	2.5 / 1.6	1.6	10.0 - 11.6	Same (as above), becoming very tough (till?), refusal at 11.6'.	g. sandy clay loam	46.9

Generalized Geologic Log and Other Observations:

Augered through pavement and base to 1.5' BGS.
0.0' - 2.0': Parking lot material-coarse to fine angular gravel with sand and silt.
2.0' - 6.5': Brown, silty sands with some gravel, possibly fill.
6.5' - 11.5': Gray weathered till to till.

Notes:

* = Peak Headspace Reading, Photovac 2020 with 10.6 eV lamp, calibrated to isobutylene.
BGS = Below Ground Surface, NR = No Recovery, NS = not sampled

SOIL BORING / MONITORING WELL CONSTRUCTION LOG

WELL BORING ID: MW-102

Client / Site:	JP Cyr, Inc., Monkton General Store
Location:	Monkton General Store, Monkton Ridge, VT.
Project Number:	79-01
Driller:	Gerry Adams - Adams Engineering
Drilling Method:	2 3/8" Sampler (vibratory)
Geologist:	Tim Schmalz
Sampling Method:	continuous samples
Date:	2/11/98
Weather:	Cool (25 degrees), calm, clear
Boring Location:	In front of store, by pump island

Well Construction Information	
Total Depth Drilled:	8.9' BGS
Screen Type/Interval:	1.5" sch. 40, 10-slot PVC / 8.5' - 3.5' BGS
Riser Type/Interval:	1.5" sch. 40 PVC / 3.5' - 0.3' BGS
Sandpack Type/Interval:	#1 sand & natural pack / 8.9' - 1.5' BGS
Seal Type/Interval:	Bentonite slurry / 1.5' - 1.0' BGS
Water Level/Date	6.03'/3.16.98
Elevation Ground:	98.21 (est.)
Elevation TOC:	97.91
Other:	

Sample Interval (feet BGS)	Total Driven / Recovery (feet)	Recovered Interval (feet)	Approximate Depth (feet BGS)	Sample Description (color, texture, moisture, etc.)	USDA Soil Texture	PID Reading* (ppm)
0.0 - 5.0	5.0 / 2.0	2.0	1.5 - 3.5	Red-brown, slightly moist, loose gravel and silty sand (fill?) (20% ang to subrnd f. gravel, 55% f to m sand, 25% silt and clay).	gravelly sandy loam	5.0
5.0 - 10.0	5.0 / 3.9	3.9	5.0 - 8.9	Gray, moist to wet, stiff gravelly silts and sand (50% ang m to c gravel, 25% sand, 25% silt and clay).	gravelly loam to sandy loam	1.3 0.0

Generalized Geologic Log and Other Observations:

Augered through pavement and base to 1.5' BGS.
0.0' - 1.5': Parking lot material-coarse to fine angular gravel with sand and silt.
1.5' - 4.0': Red brown, silty sand gravel fill.
4.0' - 8.9': Gray weathered till grading into till, refusal at 8.9" BGS.

Notes:

* = Peak Headspace Reading, Photovac 2020 with 10.6 eV lamp, calibrated to isobutylene.
BGS = Below Ground Surface, NR = No Recovery, NS = not sampled

SOIL BORING / MONITORING WELL CONSTRUCTION LOG

WELL BORING ID: MW-103

Client / Site:	JP Cyr, Inc., Monkton General Store
Location:	Monkton General Store, Monkton Ridge, VT.
Project Number:	79-01
Driller:	Gerry Adams - Adams Engineering
Drilling Method:	2 3/8" Sampler (vibratory)
Geologist:	Tim Schmalz
Sampling Method:	continuous samples
Date:	2/11/98
Weather:	Cool (25 degrees), calm, clear
Boring Location:	To south of bldg., by garage doors

Well Construction Information	
Total Depth Drilled:	11.0' BGS
Screen Type/Interval:	1.5" sch. 40, 10-slot PVC / 10.0' - 5.0' BGS
Riser Type/Interval:	1.5" sch. 40 PVC / 5.0' - 0.3' BGS
Sandpack Type/Interval:	#1 sand & natural pack / 10.0' - 3.8' BGS
Seal Type/Interval:	Bentonite slurry / 3.8' - 1.0' BGS
Water Level/Date	4.18'/3.16.98
Elevation Ground:	90.08 (est.)
Elevation TOC:	89.78
Other:	

Sample Interval (feet BGS)	Total Driven / Recovery (feet)	Recovered Interval (feet)	Approximate Depth (feet BGS)	Sample Description (color, texture, moisture, etc.)	USDA Soil Texture	PID Reading* (ppm)
0.0 - 5.0	5.0 / 1.8	1.8	1.5 - 3.3	Brown to gray, soft, slightly moist sandy silt with trace fine gravel (5% ang f. gravel, 40% sand, 55% silt and clay).	loam to silt loam	0.0
5.0 - 10.0	5.0 / 2.4	2.4	5.0 - 7.4	Same (as above), becoming increasingly hard and gravelly, to (10% gavel, 0 to 30% fine sand, remainder silt), wet.	silt loam	621.0
10.0 - 15.0	1.0 / 1.0	1.0	10.0 - 11.0	Same (as above), gravel increasing to 25-30%.	gravelly silt loam	548.0

Generalized Geologic Log and Other Observations:

Augered through pavement and base to 1.5' BGS.

0.0' - 1.5': Parking lot material-coarse to fine angular gravel with sand and silt.

1.5' - 11.0': Gray and brown fill material (gravelly silt loam) grading into gray weathered till and finally into till.

Notes:

* = Peak Headspace Reading, Photovac 2020 with 10.6 eV lamp, calibrated to isobutylene.

BGS = Below Ground Surface, NR = No Recovery, NS = not sampled

SOIL BORING / MONITORING WELL CONSTRUCTION LOG

WELL BORING ID: MW-104

Client / Site:	JP Cyr, Inc., Monkton General Store
Location:	Monkton General Store, Monkton Ridge, VT.
Project Number:	79-01
Driller:	Gerry Adams - Adams Engineering
Drilling Method:	2 3/8" Sampler (vibratory)
Geologist:	Tim Schmalz
Sampling Method:	continuous samples
Date:	3/10/98
Weather:	Cold, cloudy, rainy
Boring Location:	Next to store domestic well

Well Construction Information	
Total Depth Drilled:	10.9' BGS
Screen Type/Interval:	1.5" sch. 40, 10-slot PVC / 10.9' - 3.3' BGS
Riser Type/Interval:	1.5" sch. 40 PVC / 3.3' - 0.3' BGS
Sandpack Type/Interval:	#1 sand & natural pack / 10.9' - 2.0' BGS
Seal Type/Interval:	Bentonite slurry / 2.0' - 1.0' BGS
Water Level/Date	6.13'/3.16.98
Elevation Ground:	99.08
Elevation TOC:	98.78
Other:	

Sample Interval (feet BGS)	Total Driven / Recovery (feet)	Recovered Interval (feet)	Approximate Depth (feet BGS)	Sample Description (color, texture, moisture, etc.)	USDA Soil Texture	PID Reading* (ppm)
0.0 - 5.0	5.0 / 1.5	1.5	1.5 - 3.0	Brown, soft, moist, sandy silt fill, low plasticity, low toughness (65% silt and clay, 35% fine sand).	silt loam	0.0
5.0 - 10.0	5.0 / 3.6	1.0	5.0 - 6.0	Same (as above).	silt loam	0.0
		2.6	6.0 - 8.6	Gray-brown, firm, moist to wet gravelly silty sand (20% f to c ang to subrnd. gravel, 50% very fine sand, 30% silt and clay).	gravelly loam	0.0
10.0 - 15.0	1.0 / 0.5	0.5	10.0 - 10.5	Same (as above), dry, till.	gravelly loam	0.0

Generalized Geologic Log and Other Observations:

Augered through pavement and base to 1.5' BGS.
0.0' - 1.5': Parking lot material-coarse to fine angular gravel with sand and silt.
1.5' - 6.0': Brown lacustrine silts and sands, possibly UST excavation fill.
6.0' - 10.9': Gray to gray brown weathered till and till, refusal at 10.9' BGS.

Notes:

* = Peak Headspace Reading, Photovac 2020 with 10.6 eV lamp, calibrated to isobutylene.
BGS = Below Ground Surface, NR = No Recovery, NS = not sampled

SOIL BORING / MONITORING WELL CONSTRUCTION LOG

WELL BORING ID: MW-105

Client / Site:	JP Cyr, Inc., Monkton General Store
Location:	Monkton General Store, Monkton Ridge, VT.
Project Number:	79-01
Driller:	Gerry Adams - Adams Engineering
Drilling Method:	2 3/8" Sampler (vibratory)
Geologist:	Tim Schmalz
Sampling Method:	continuous samples
Date:	3/10/98
Weather:	Cold, cloudy, rainy
Boring Location:	In C. Burritt property, by driveway

Well Construction Information	
Total Depth Drilled:	12.5' BGS
Screen Type/Interval:	1.5" sch. 40, 10-slot PVC / 10.0' - 2.5' BGS
Riser Type/Interval:	1.5" sch. 40 PVC / 2.5' - 0.3' BGS
Sandpack Type/Interval:	#1 sand & natural pack / 10.0' - 2.0' BGS
Seal Type/Interval:	Bentonite powder / 2.0' - 1.0' BGS
Water Level/Date	5.02'/3.16.98
Elevation Ground:	100.85
Elevation TOC:	100.55
Other:	

Sample Interval (feet BGS)	Total Driven / Recovery (feet)	Recovered Interval (feet)	Approximate Depth (feet BGS)	Sample Description (color, texture, moisture, etc.)	USDA Soil Texture	PID Reading* (ppm)
0.0 - 5.0	5.0 / 2.5	2.5	0.0 - 2.5	Red-brown, soft, v. moist to wet gravelly silty sand, grading into silty sand (15% m to f gravel, 60% f sand, 25% silt and clay).	sandy loam	0.0
5.0 - 10.0	5.0 / 3.0	1.5	5.0 - 6.5	Same (as above), becoming	sandy loam	0.0
			6.5 - 8.0	Gray and brown stiff, dry silt and clay, trace angular gravel (till).	loam	0.0
10.0 - 15.0	3.0 / 2.3	2.3	10.0 - 12.3	Same (as above), increasing gravel content.	loam	0.0

Generalized Geologic Log and Other Observations:

0.0' - 6.5': Lacustrine silts and sands, trace gravel.
6.5' - 12.3': Weathered gray and brown till, grading into unweathered till.

Notes:
* = Peak Headspace Reading, Photovac 2020 with 10.6 eV lamp, calibrated to isobutylene.
BGS = Below Ground Surface, NR = No Recovery, NS = not sampled

SOIL BORING / MONITORING WELL CONSTRUCTION LOG

WELL BORING ID: MW-106

Client / Site:	JP Cyr, Inc., Monkton General Store
Location:	Monkton General Store, Monkton Ridge, VT.
Project Number:	79-01
Driller:	Gerry Adams - Adams Engineering
Drilling Method:	2 3/8" Sampler (vibratory)
Geologist:	Tim Schmalz
Sampling Method:	continuous samples
Date:	3/10/98
Weather:	Cold, cloudy, rainy
Boring Location:	In island across from Town Clerk

Well Construction Information	
Total Depth Drilled:	9.8' BGS
Screen Type/Interval:	1.5" sch. 40, 10-slot PVC / 9.5' - 0.5' BGS (sleeved)
Riser Type/Interval:	2.0' sch. 40 PVC sleeve/ 2.5' - 0.3' BGS
Sandpack Type/Interval:	#1 sand & natural pack / 9.5 - 2.0' BGS
Seal Type/Interval:	Bentonite powder / 2.5' - 0.5' BGS
Water Level/Date	5.13'/3.16.98
Elevation Ground:	93.08
Elevation TOC:	92.78
Other:	

Sample Interval (feet BGS)	Total Driven / Recovery (feet)	Recovered Interval (feet)	Approximate Depth (feet BGS)	Sample Description (color, texture, moisture, etc.)	USDA Soil Texture	PID Reading* (ppm)
0.0 - 5.0	5.0 / 1.5	1.5	0.0 - 1.5	Brown, soft, moist silty sand (with trace gravel) fill.	loam to silt loam	0.0
5.0 - 10.0	5.0 / 2.5	1.5	5.0 - 6.5	Brown soft, moist to wet silty sand (60% fine sand, 35% silt and clay, 5% c sand/f. grav.).	sandy loam	0.0
		1.0	6.5 - 7.5	Gray-brown, stiff, dry to slightly moist weathered till to till.	loam	0.0

Generalized Geologic Log and Other Observations:

0.0' - 6.5': Brown topsoil and brown lacustrine silty sand, with trace gravel.
6.5' - 9.5': Gray, stiff weathered till and till, refusal at 9.5' BGS.

Notes:
* = Peak Headspace Reading, Photovac 2020 with 10.6 eV lamp, calibrated to isobutylene.
BGS = Below Ground Surface, NR = No Recovery, NS = not sampled

SOIL BORING / MONITORING WELL CONSTRUCTION LOG

WELL BORING ID: MW-107

Client / Site:	JP Cyr, Inc., Monkton General Store
Location:	Monkton General Store, Monkton Ridge, VT.
Project Number:	79-01
Driller:	Gerry Adams - Adams Engineering
Drilling Method:	2 3/8" Sampler (vibratory)
Geologist:	Tim Schmalz
Sampling Method:	continuous samples
Date:	3/10/98
Weather:	Cold, cloudy, rainy
Boring Location:	In grass by pine tree in library lot.

Well Construction Information	
Total Depth Drilled:	9.5' BGS
Screen Type/Interval:	1.5" sch. 40, 10-slot PVC / 9.5' - 0.5' BGS (sleeved)
Riser Type/Interval:	2.0" sch. 40 PVC sleeve / 2.0' - 0.3' BGS
Sandpack Type/Interval:	#1 sand & natural pack / 9.5' - 1.5' BGS
Seal Type/Interval:	Bentonite powder / 2.0' - 0.75' BGS
Water Level/Date	3.98'/3.16.98
Elevation Ground:	82.90
Elevation TOC:	82.60
Other:	

Sample Interval (feet BGS)	Total Driven / Recovery (feet)	Recovered Interval (feet)	Approximate Depth (feet BGS)	Sample Description (color, texture, moisture, etc.)	USDA Soil Texture	PID Reading* (ppm)
0.0 - 5.0	5.0 / 3.2	1.0	0.0 - 1.0	Dark brown, moist to wet, soft silt and clay (topsoil)	loam to silt loam	0.0
		2.2	1.0 - 3.2	Brown, mottled, soft, moist to wet sandy silt with gravel (10% f. gravel, 40% sand, 50 % silt and clay).	loam	0.0
5.0 - 10.0	4.5 / 3.0	2.0	5.0 - 7.0	Same (as above), becoming wet.	loam	0.0
		1.0	7.0 - 8.0	Gray-brown, stiff, dry to slightly moist weathered till to till.	loam	0.0

Generalized Geologic Log and Other Observations:

0.0' - 7.0': Soft, brown lacustrine sandy silt.
7.0' - 9.5': Weathered till and till, firm, gray-brown silt and sand, trace angular gravel, refusal at 9.5' BGS.

Notes:
* = Peak Headspace Reading, Photovac 2020 with 10.6 eV lamp, calibrated to isobutylene.
BGS = Below Ground Surface, NR = No Recovery, NS = not sampled

ADAMS ENGINEERING
Gerard Adams
#47 Blakey Rd., Underhill, VT 05489-9493
(802)-899-4945

February 14, 1998

Mr. Tim Schmalz
Hoffer & Associates
Well logs: Monkton General Store

Nine inch auger hole for manway drilled to -1', with 4" pilot to -2'. Soils sampled in open borehole with 2 3/5" OD X 2 3/8" ID X 5' NQ, the sampler brought to the surface, and the sample contained in the liner vibrated out for examination. Monitor well with a slip cap or point at the bottom that is larger in OD than well screen to create an annulus, is placed in the open borehole left by sampling down to top of "*collapsed native soils*", the borehole annulus partially filled with pack sand , the well with some pack sand vibrated to depth creating a partial sand pack enhancing natural development, the open annulus refilled with sand pack above well screen "*complete sand pack*", a bentonite slurry seal is then placed in the open annulus, and a 7" manway cemented in place. Wells not developed little or no water.

2/11/98 MW #2
SOILS WELL

G Manway cemented in place.
-.3' Top well 1.5" solid riser, test plug.
-1' Top of bentonite slurry.
-1.5>4.9' Light brown silty sand & stones.
-3' Bottom bentonite - top complete sand pack placed in open annulus.
-3.8' Top well screen 1-5' X 1.5" X .010" slot Monoflex, typ.
-4.9>8.5' Refusal, tried drag bit & point, brown mottled silty sand & stones with moist zone, "weathered till", DRY pale gray silty fine sand & stones, tough till," possibly bedrock.
-8.5' Bottom complete sand pack-top native collapse partial sand pack & natural development.
-8.5' Bottom well screen, slip cap.

MW #101

G Manway cemented in place.
-.3' Top 2" sleeve with slip cap.
-.9' Top well, 1.5" screen.
-1' Top of bentonite slurry.
-1.5>4.9' Sand & gravel poorly compacted fill, collapsed.
-2.5' Bottom sleeve, bottom bentonite-top native collapse.
-4.9>9.9' Weathered till.
-9.9>11.4' Tough till.
-10.9' Bottom well screen, threaded plug.
Well installed using NQ cased dual tube shoe & disposable PVC point with some sand pack placed inside casing (which bridged).

MW #103

G Manway cemented in place.
-.3' Top well 1.5" solid riser, test plug.
-1' Top of bentonite slurry.

-3.8' Bottom bentonite - top complete sand pack placed in open annulus.
-5.0' Top well screen 1-5'.
-4.9>10' Refusal, Weathered till // tough till, or rock.
-8.5' Bottom complete sand pack-top native collapse partial sand pack & natural development.
-10.0' Bottom well screen, point.

Gad
G. Adams

GROUNDWATER SAMPLING DATA SHEET

LOCATION: Monkton G. Store
DATE: MARCH 16, 1998

SAMPLE METHOD: 1.5" PVC, 2.0" poly BAILERS
SAMPLING TEAM: T. SCHMALZ

WELL ID	PID Head Space (ppm)	Depth to Water (ft)	Total Well Depth (ft)	Water Column (ft)	3 Well Volumes* (gals)	Total Purged (gals)	Sample Time	Sample Type	Chain-of-Custody Number	Chain-of-Custody Time	Remarks
TB-01	NA						1000	TB	TB-01	1000	TRIP BLANK
VSS-01	NA	3.35					1340	S	VSS-01	1340	VAN STEAMBURG SURF. WELL
FITZ-01	NA						1500	S	FITZ-01	1500	FITZGERALD WELL (SD4)
DILL-01	NA	23.69					1300	S	DILL-01	1300	DILLON WELL (SD4)
(105) MW-105		5.02	10.0	4.98	1.39	1.0	1530	S	MW-105	1530	BROWN, SILTY
MW-107		3.98	10.9	6.95	1.95	1.0	1540	S	MW-107	1540	V. SILTY, BRN.
MW-106		5.13	10.9	5.77	1.62	1.0	1550	S	MW-106	1550	V. SILTY, BRN.
MW-104		6.13	10.2	4.07	1.14	0.5	1600	S	MW-104	1600	VSILTY, BRN-GRAY
MW-104		↓	↓	↓	↓	↓	↓	DP	MW-10	1610	DUPLICATE SAMPLE
TOAR-01	NOT SAMPLED - NO ANSWER (MOTOR OIL IN SHALLOW WELL)										
STREAM-01							1415	S	STREAM-01	1415	PARENT-DUPONT STREAM (GRAB ON COTA SIDE)
FB-01	NA							FB	FB-01	1615	FIELD BLANK
MW-01		7.11 (DRY)									
MW-101		6.96									
MW-102		6.03									
MW-103		4.18									
[illegible]											

(30 LEVELS DRY.)

* (1.5" = 0.092 gals/ft, 2" = 0.16 gals/ft, 4" = 0.65 gals/ft, 6"=1.5 gals/ft)

REMARKS _____

GROUNDWATER SAMPLING DATA SHEET

LOCATION: _____ SAMPLE METHOD: _____

DATE: _____ SAMPLING TEAM: _____

WELL ID	PID Head Space (ppm)	Depth to Water (ft)	Total Well Depth (ft)	Water Column (ft)	3 Well Volumes* (gals)	Total Purged (gals)	Sample Time	Sample Type	Chain-of-Custody Number	Chain-of-Custody Time	Remarks
~~TB-01~~	~~NA~~	~~—~~					~~1000~~	~~TB~~	~~TB-01~~	~~1000~~	~~TRIP BLANK~~
DUPSUR-01	NA	5.24'	~				1400	S	DUPSUR-01	1400	DUPONT HSE. SUR. WELL (GARAGE)
DUPSUR-02	NA	2.16'	~				1405	S	DUPSUR-02	1405	" " " " (SULLIVAN)

* *(1.5" = 0.092 gals/ft, 2" = 0.16 gals/ft, 4" = 0.65 gals/ft, 6"=1.5 gals/ft)*

REMARKS _____

GROUNDWATER SAMPLING DATA SHEET

LOCATION: Monkton G. Store
DATE: 2/20/98

SAMPLE METHOD: 1.5" PVC Bailers
SAMPLING TEAM: T. Schmalz

WELL ID	PID Head Space (ppm)	Depth to Water (ft)	Total Well Depth (ft)	Water Column (ft)	3 Well Volumes* (gals)	Total Purged (gals)	Sample Time	Sample Type	Chain-of-Custody Number	Time	Remarks
TB-01	NA							TB Wat	TB-01		TRIP BLANK
C. Burritt	DOMESTIC WELLS - TAP H_2O					SAMPLES		CBUR-1		0930	C. BURRITT RESIDENCE
H. Burritt								HBUR-1		1100	
J. Godette								JGOD-1		0945	GAUDETTE WELL
T. Library								TLIB-1		0955	TOWN LIBRARY
CYR								CYR-1		1010	CYR - MGS H_2O
MW-101	1.70	~~7.0~~ 8.22	10.8	2.58	0.72	0.25	1030	S	MW-101	1030	BROWN, S. TURBID
MW-102	0.0	6.96	8.5	1.54	0.43	0.25	1045	S	MW-102	1045	BROWN, SILTY
MW-103	513	5.10	10.0	4.90	1.37		1055	S	MW-103	1055	
MW-103	↓	↓	↓	↓	↓	↓	↓	DP	MW-10	1115	DUPLICATE SAMPLE
FB-01								FB	FB-01	1120	FIELD BLANK
MW-01	0.0	~~6.96~~	~~6.96~~	Dry							
		7.12	7.12								

* (1.5" = 0.092 gals/ft, 2" = 0.16 gals/ft, 4" = 0.65 gals/ft, 6"=1.5 gals/ft)

REMARKS MW-01 IS EXISTING 4" WELL BY AST'S N OF STORE

Scitest, Inc.
P.O. Box 339
Route 66 Professional Center, Randolph, VT 05060
Phone: (802)728-6313 Fax: (802)728-6044

Monkton General Store

Sample Logged in By: _____
Anomaly Sheet: Y ____ N____

Preservative Check:
Temperature Check:

Client: Jefferson P. Hoffer & Associates
Address RR 4 Box 2286, Comstock Road
Montpelier, VT 05602

Contact Jeff Hoffer
Phone No:

Customer Nos: 70249
Project:
Job Template:

Date requested:
Date shipped:
Date scheduled:

CHAIN OF CUSTODY

	Date	Time		Date	Time
Sampled by:*			Print Name Here:*		
Relinquished by:	2/20	1240	Accepted by:	2/20	12:35
Relinquished by:			Received by Scitest:	2/20/98	12:35

Sample No:	Client ID or Description	Sample Date	Sample Time	Matrix	Preservative	Container Material	Container Volume	Containers per Sample	Parameters
1	CBUR-01	2/20/98	0930	GW	HCl	Glass	40 mL	2	EPA 8020
2	HBUR-01	"	1100	GW	HCl	Glass	40 mL	2	EPA 8020
3	JGOD-01	"	0945	GW	HCl	Glass	40 mL	2	EPA 8020
4	TLIB-01	"	0955	GW	HCl	Glass	40 mL	2	EPA 8020
5	CHR-01	"	1010	GW	HCl	Glass	40 mL	2	EPA 8020
6	MW-101	"	1030	GW	HCl	Glass	40 mL	2	EPA 8020
7	MW-102	"	1045	GW	HCl	Glass	40 mL	2	EPA 8020
8	MW-103	"	1055	GW	HCl	Glass	40 mL	2	EPA 8020
9	MW-10	"	1115	GW	HCl	Glass	40 mL	2	EPA 8020
10	FB-01	"	1120	GW	HCl	Glass	40 mL	2	EPA 8020
~~11~~	"	"	"	GW	HCl	Glass	40 mL	2	EPA 8020
~~12~~	"		"	GW	HCl	Glass	40 mL	2	EPA 8020
13	Trip Blank		0930	WA	HCl	Glass	40 mL	2	EPA 8020

SAMPLES MUST REACH THE LAB within _____ of sampling time to meet all holding times.	Parameters are correct as listed Client Initial: _____* Please fill in ALL areas marked with an asterisk (*). Thank you. Additional instruction if applicable are attached.	*Scitest Work Order:*

SCITEST
LABORATORY SERVICES

P.O. Box 339
Randolph, Vermont 05060-0339
(802) 728-6313

ANALYTICAL REPORT

Jefferson Hoffer & Associates
RR 4 Box 2286
Montpelier VT, VT 05602

Jeff Hoffer

Work Order No.: 9802-00601

Project Name: Monkton General Store
Customer Nos.: 070249

Date Received: 2/20/98
Date Reported: 2/26/98

Sample Desc.: CBUR-01
Sample Nos: 001

Sample Date: 2/20/98
Collection Time: 9:30

Test Performed	Method	Results	Units	Analyst	Analysis Date
Aromatic Volatile Organics	EPA 8020/602			JPM	2/24/98
Methyl Tertiary Butyl Ether	EPA 602/8020	8	ug/L	JPM	2/24/98
Benzene	EPA 602/8020	4	ug/L	JPM	2/24/98
Toluene	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
Ethyl Benzene	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
Total Xylenes	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
Chlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
1,2-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
1,3-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
1,4-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
Surrogate: 8020				JPM	2/24/98
***Bromofluorobenzene-8020		97	% Recovery	JPM	2/24/98

Sample Desc.: HBUR-01
Sample Nos: 002

Sample Date: 2/20/98
Collection Time: 11:00

Test Performed	Method	Results	Units	Analyst	Analysis Date
Aromatic Volatile Organics	EPA 8020/602			JPM	2/24/98
Methyl Tertiary Butyl Ether	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
Benzene	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
Toluene	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
Ethyl Benzene	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
Total Xylenes	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
Chlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
1,2-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
1,3-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
1,4-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
Surrogate: 8020				JPM	2/24/98
***Bromofluorobenzene-8020		95	% Recovery	JPM	2/24/98

ANALYTICAL REPORT

Project Name: Monkton General Store
Project No.: 070249

Work Order No.: 9802-00601

Sample Desc.: JGOD-01
Sample Nos: 003

Sample Date: 2/20/98
Collection Time: 9:45

Test Performed	Method	Results	Units	Analyst	Analysis Date
Aromatic Volatile Organics	EPA 8020/602			JPM	2/24/98
Methyl Tertiary Butyl Ether	EPA 602/8020	4	ug/L	JPM	2/24/98
Benzene	EPA 602/8020	TRACE	ug/L	JPM	2/24/98
Toluene	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
Ethyl Benzene	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
Total Xylenes	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
Chlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
1,2-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
1,3-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
1,4-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
Surrogate: 8020				JPM	2/24/98
***Bromofluorobenzene-8020		96	% Recovery	JPM	2/24/98

Sample Desc.: TLIB-01
Sample Nos: 004

Sample Date: 2/20/98
Collection Time: 9:55

Test Performed	Method	Results	Units	Analyst	Analysis Date
Aromatic Volatile Organics	EPA 8020/602			JPM	2/24/98
Methyl Tertiary Butyl Ether	EPA 602/8020	22	ug/L	JPM	2/24/98
Benzene	EPA 602/8020	21	ug/L	JPM	2/24/98
Toluene	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
Ethyl Benzene	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
Total Xylenes	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
Chlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
1,2-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
1,3-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
1,4-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
Surrogate: 8020				JPM	2/24/98
***Bromofluorobenzene-8020		95	% Recovery	JPM	2/24/98

Sample Desc.: CYR-01
Sample Nos: 005

Sample Date: 2/20/98
Collection Time: 10:10

Test Performed	Method	Results	Units	Analyst	Analysis Date
Aromatic Volatile Organics	EPA 8020/602			JPM	2/24/98
Methyl Tertiary Butyl Ether	EPA 602/8020	2	ug/L	JPM	2/24/98
Benzene	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
Toluene	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
Ethyl Benzene	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
Total Xylenes	EPA 602/8020	BPQL	ug/L	JPM	2/24/98

ANALYTICAL REPORT

Project Name: Monkton General Store
Project No.: 070249

Work Order No.: 9802-00601

Sample Desc.: CYR-01
Sample Nos: 005
Sample Date: 2/20/98
Collection Time: 10:10

Test Performed	Method	Results	Units	Analyst	Analysis Date
Chlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
1,2-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
1,3-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
1,4-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
Surrogate: 8020				JPM	2/24/98
***Bromofluorobenzene-8020		96	% Recovery	JPM	2/24/98

Sample Desc.: MW-101
Sample Nos: 006
Sample Date: 2/20/98
Collection Time: 10:30

Test Performed	Method	Results	Units	Analyst	Analysis Date
Aromatic Volatile Organics	EPA 8020/602			JPM	2/24/98
Methyl Tertiary Butyl Ether	EPA 602/8020	24400	ug/L	JPM	2/24/98
Benzene	EPA 602/8020	1480	ug/L	JPM	2/24/98
Toluene	EPA 602/8020	8440	ug/L	JPM	2/24/98
Ethyl Benzene	EPA 602/8020	109	ug/L	JPM	2/24/98
Total Xylenes	EPA 602/8020	3800	ug/L	JPM	2/24/98
Chlorobenzene	EPA 602/8020	< 20	ug/L	JPM	2/24/98
1,2-Dichlorobenzene	EPA 602/8020	< 20	ug/L	JPM	2/24/98
1,3-Dichlorobenzene	EPA 602/8020	< 20	ug/L	JPM	2/24/98
1,4-Dichlorobenzene	EPA 602/8020	< 20	ug/L	JPM	2/24/98
Surrogate: 8020				JPM	2/24/98
***Bromofluorobenzene-8020		93	% Recovery	JPM	2/24/98

Sample Desc.: MW-102
Sample Nos: 007
Sample Date: 2/20/98
Collection Time: 10:45

Test Performed	Method	Results	Units	Analyst	Analysis Date
Aromatic Volatile Organics	EPA 8020/602			JPM	2/24/98
Methyl Tertiary Butyl Ether	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
Benzene	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
Toluene	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
Ethyl Benzene	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
Total Xylenes	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
Chlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
1,2-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
1,3-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
1,4-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
Surrogate: 8020				JPM	2/24/98
***Bromofluorobenzene-8020		95	% Recovery	JPM	2/24/98

SCITEST
LABORATORY SERVICES

ANALYTICAL REPORT

Project Name: Monkton General Store
Project No.: 070249

Work Order No.: 9802-00601

Sample Desc.: MW-103
Sample Nos: 008

Sample Date: 2/20/98
Collection Time: 10:55

Test Performed	Method	Results	Units	Analyst	Analysis Date
Aromatic Volatile Organics	EPA 8020/602			JPM	2/24/98
Methyl Tertiary Butyl Ether	EPA 602/8020	< 20	ug/L	JPM	2/24/98
Benzene	EPA 602/8020	284	ug/L	JPM	2/24/98
Toluene	EPA 602/8020	722	ug/L	JPM	2/24/98
Ethyl Benzene	EPA 602/8020	413	ug/L	JPM	2/24/98
Total Xylenes	EPA 602/8020	1960	ug/L	JPM	2/24/98
Chlorobenzene	EPA 602/8020	< 20	ug/L	JPM	2/24/98
1,2-Dichlorobenzene	EPA 602/8020	< 20	ug/L	JPM	2/24/98
1,3-Dichlorobenzene	EPA 602/8020	< 20	ug/L	JPM	2/24/98
1,4-Dichlorobenzene	EPA 602/8020	< 20	ug/L	JPM	2/24/98
Surrogate: 8020				JPM	2/24/98
***Bromofluorobenzene-8020		110	% Recovery	JPM	2/24/98

Sample Desc.: MW-10
Sample Nos: 009

Sample Date: 2/20/98
Collection Time: 11:15

Test Performed	Method	Results	Units	Analyst	Analysis Date
Aromatic Volatile Organics	EPA 8020/602			JPM	2/24/98
Methyl Tertiary Butyl Ether	EPA 602/8020	< 200	ug/L	JPM	2/24/98
Benzene	EPA 602/8020	328	ug/L	JPM	2/24/98
Toluene	EPA 602/8020	685	ug/L	JPM	2/24/98
Ethyl Benzene	EPA 602/8020	404	ug/L	JPM	2/24/98
Total Xylenes	EPA 602/8020	2080	ug/L	JPM	2/24/98
Chlorobenzene	EPA 602/8020	< 20	ug/L	JPM	2/24/98
1,2-Dichlorobenzene	EPA 602/8020	< 20	ug/L	JPM	2/24/98
1,3-Dichlorobenzene	EPA 602/8020	< 20	ug/L	JPM	2/24/98
1,4-Dichlorobenzene	EPA 602/8020	< 20	ug/L	JPM	2/24/98
Surrogate: 8020				JPM	2/24/98
***Bromofluorobenzene-8020		94	% Recovery	JPM	2/24/98

Sample Desc.: FB-01
Sample Nos: 010

Sample Date: 2/20/98
Collection Time: 11:20

Test Performed	Method	Results	Units	Analyst	Analysis Date
Aromatic Volatile Organics	EPA 8020/602			JPM	2/24/98
Methyl Tertiary Butyl Ether	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
Benzene	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
Toluene	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
Ethyl Benzene	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
Total Xylenes	EPA 602/8020	BPQL	ug/L	JPM	2/24/98

ANALYTICAL REPORT

Project Name: Monkton General Store
Project No.: 070249

Work Order No.: 9802-00601

Sample Desc.: FB-01
Sample Nos: 010

Sample Date: 2/20/98
Collection Time: 11:20

Test Performed	Method	Results	Units	Analyst	Analysis Date
Chlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
1,2-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
1,3-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
1,4-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
Surrogate: 8020				JPM	2/24/98
***Bromofluorobenzene-8020		94	% Recovery	JPM	2/24/98

Sample Desc.: Trip Blank (2/17/98)
Sample Nos: 011

Sample Date: 2/20/98
Collection Time: 9:30

Test Performed	Method	Results	Units	Analyst	Analysis Date
Aromatic Volatile Organics	EPA 8020/602			JPM	2/24/98
Methyl Tertiary Butyl Ether	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
Benzene	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
Toluene	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
Ethyl Benzene	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
Total Xylenes	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
Chlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
1,2-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
1,3-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
1,4-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	2/24/98
Surrogate: 8020				JPM	2/24/98
***Bromofluorobenzene-8020		96	% Recovery	JPM	2/24/98

BPQL = Below Practical Quantitation Limit; 1 ug/L
TRACE = Detected Below Practical Quantitation Limit of 1 ug/L

Authorized by: Fredrick Lamothe

SCITEST
LABORATORY SERVICES

GROUNDWATER SAMPLING DATA SHEET

LOCATION: Monkton Dom WELLS
DATE: MARCH 5, 1998

SAMPLE METHOD: TAPS + SINKS
SAMPLING TEAM: T. SCHMALZ

(4.75 pH)

WELL ID	PID Head Space (ppm)	Depth to Water (ft)	Total Well Depth (ft)	Water Column (ft) pH	3 Well Volumes* (gals) Cond. µS	Total Purged (gals) Temp. C°	Sample Time	Sample Type	Chain-of-Custody Number	Chain-of-Custody Time	Remarks
TB-01	NA						1330	TB	TB-01	1330	
LIB-01				7.24	636	9.5	1345	S	LIB-01	1345	TC. - LIBRARY FROM TC. BR SINK
VB-01				7.28	477	9.6	1400	S	VB-01	1400	VON-BRUN- FROM TAP. PRE P. TA
JOOS-01				6.97	530	9.9	1410	S	JOOS-01	1410	JOOS/CARLISLE. FROM O. SIDE Bibb
DPNT-01				7.68	272	8.6	1430	S	DPNT-01	1430	DUPONT/COOLIDGE HSE. FROM PRE TA
DPNT-02				7.59	318	9.2	1440	S	DPNT-02	1440	DUPONT HSE. FROM OUTSIDE Bibb, POST PR
VS-01				7.62	438	8.3	1500	S	VS-01	1500	VON STEAMBURG. FROM K. SINK, POST Pant. Filter
BORD-01				7.78	313	10.4	1530	S	BORD-01	1530	BORDEAUX FROM PRE P. TANK TAP
GOD-01				7.18	427	10.2	1540	S	GOD-01	1540	GAUDETTE FROM O. SIDE Bibb
HBUR-01				6.81	368	10.1	1550	S	HBUR-01	1550	HOPE BURRITT FROM K. SINK
MOOD-01				7.01	552	8.1	1620	S	MOOD-01	1620	MOODY FROM POST P. TANK TAP
CBUR-01				6.92	684	8.3	1645	S	CBUR-01	1645	C. BURRITT. FROM PRE P. TANK TAP
SURBUR-1				GRAB	SAMPLE		1700	S	SURBUR-01	1700	7.25' TO H_2O, GRAB S.
CYR-1				6.96	369	19.2	1655	S	CYR-01	1655	FROM P. TANK IN BSMT. NOT POST H_2O SOFT.

* *(1.5" = 0.092 gals/ft, 2" = 0.16 gals/ft, 4" = 0.65 gals/ft, 6"=1.5 gals/ft)*

REMARKS

Scitest, Inc.
P.O. Box 339
Route 66 Professional Center, Randolph, VT 05060
Phone: (802)728-6313 Fax: (802)728-6044

Sample Logged in By: _____
Anomaly Sheet: Y ____ N____

Monkton Bedrock Wells

Preservative Check:
Temperature Check:

Client: Jefferson P. Hoffer & Associates
Address RR 4 Box 2286, Comstock Road
Montpelier, VT 05602

Contact Jeff Hoffer
Phone No:

Customer Nos: 70249
Project: M-1740
Job Template:

Date requested:
Date shipped:
Date scheduled:

CHAIN OF CUSTODY

	Date	Time		Date	Time
Sampled by:* [signature]			Print Name Here:* T. Sehlmann		
Relinquished by: [signature]	3/5/98		Accepted by:		
Relinquished by:			Received by Scitest: [signature]	3/6/98	8:30

Parameters via RTL

Sample No:	Client ID or Description	Sample Date	Sample Time	Matrix	Preservative	Container Material	Container Volume	Containers per Sample	Parameters
1	LIB-01	3/5/98	1345	GW	HCl	Glass	40 mL	2	EPA 524
2	VB-01	"	1400	GW	HCl	Glass	40 mL	2	EPA 524
3	JOOD-01	"	1410	GW	HCl	Glass	40 mL	2	EPA 524
4	DPNT-01	"	1430	GW	HCl	Glass	40 mL	2	EPA 524
5	DPNT-02	"	1440	GW	HCl	Glass	40 mL	2	EPA 524
6	VS-01	"	1500	GW	HCl	Glass	40 mL	2	EPA 524
7	BORD-01	"	1530	GW	HCl	Glass	40 mL	2	EPA 524
8	GOD-01	"	1540	GW	HCl	Glass	40 mL	2	EPA 524
9	Trip Blank	"	1330	WA	HCl	Glass	40 mL	2	EPA 524

SAMPLES MUST REACH THE LAB within _____ of sampling time to meet all holding times.

Parameters are correct as listed Client Initial: _____*
Please fill in ALL areas marked with an asterisk (*). Thank you.
Additional instruction if applicable are attached.

Scitest Work Order: 9803-00774

Page __ of __

Scitest, Inc.
P.O. Box 339
Route 66 Professional Center, Randolph, VT 05060
Phone: (802)728-6313 Fax: (802)728-6044

Sample Logged in By: _____ Preservative Check:
Anomaly Sheet: Y ____ N ____ Temperature Check:

Client: Jefferson P. Hoffer & Associates
Address RR 4 Box 2286, Comstock Road
Montpelier, VT 05602

Contact Jeff Hoffer
Phone No:

Customer Nos: 70249
Project:
Job Template:

Date requested:
Date shipped:
Date scheduled:

CHAIN OF CUSTODY

*Sampled by:**	Date	Time	*Print Name Here:**	Date	Time
Relinquished by:			*Accepted by:*		
Relinquished by:			*Received by Scitest:*		

Item Nos	Client ID or Description	Sample Date	Sample Time	Matrix	Preservative	Container Material	Container Volume	Containers per Sample	Parameters
10	HBUR-01	3/5/98	1550	GW	HCl	GLAS	40ML	2	EPA 524
11	MOOD-01		1620						
12	CBUR-01		1645						
13	CYR-01		1655						
14	SUBBUR-01		1700						EPA 8020 BTEX | MTBE

SAMPLES MUST REACH THE LAB within _____ of sampling time to meet all holding times.

Parameters are correct as listed Client Initial: _____*
Please fill in ALL areas marked with an asterisk (*). Thank you.
Additional instruction if applicable are attached.

Scitest Work Order: 9803-00774

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SCITEST
LABORATORY SERVICES

ANALYTICAL REPORT

P.O. Box 339
Randolph, Vermont 05060-0339
(802) 728-6313

Jefferson Hoffer & Associates
RR 4 Box 2286
Montpelier VT, VT 05602

Jeff Hoffer

Work Order No.: 9803-00774

Project Name: Monkton Bedrock Wells
Customer Nos.: 070249

Date Received: 3/06/98
Date Reported: 3/17/98

Sample Desc.: LIB-01
Sample Nos: 001

Sample Date: 3/05/98
Collection Time: 13:45

Test Performed	Method	Results	Units	Analyst	Analysis Date
Volatile Organics by GC/MS	EPA 524.2			RJS	3/10/98
Bromodichloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Bromoform	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Bromomethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Chlorobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Dibromochloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Chloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Chloroform	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Chloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
2-Chlorotoluene (ortho)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
4-Chlorotoluene (para)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2-Dichlorobenzene (ortho)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Dibromomethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Dichlorodifluoromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,3-Dichlorobenzene (meta)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
cis 1,2-Dichloroethene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
trans 1,2-Dichloroethene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1-Dichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2-Dichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Dichloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
2,2-Dichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,3-Dichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
cis 1,3-Dichloropropene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1-Dichloropropene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Fluorotrichloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Ethylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Styrene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1,1,2-Tetrachloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1,2,2-Tetrachloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1,2-Trichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Tetrachloroethene (PCE)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2,3-Trichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Toluene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98

ANALYTICAL REPORT

Project Name: Monkton Bedrock Wells
Project No.: 070249

Work Order No.: 9803-00774

Sample Desc.: LIB-01
Sample Nos: 001

Sample Date: 3/05/98
Collection Time: 13:45

Test Performed	Method	Results	Units	Analyst	Analysis Date
m/p-Xylene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
o-Xylene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2,4-Trichlorobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Bromochloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
n-Butylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
sec-Butylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
tert-Butylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Hexachlorobutadiene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Isopropylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Naphthalene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Propylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2,3-Trichlorobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2,4-Trimethylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,3,5-Trimethylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Benzene	EPA 524.2	0.0430	mg/L	RJS	3/10/98
Bromobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Carbontetrachloride	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2-Dichloroethane	EPA 524.2	0.0023	mg/L	RJS	3/10/98
P-Isopropyltoluene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,4-Dichlorobenzene (para)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1-Dichloroethene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
trans-1,3-Dichloropropene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1,1-Trichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Trichloroethene (TCE)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Vinyl Chloride	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Xylenes, Total	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Total Trihalomethanes	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Surrogate:				RJS	3/10/98
Bromofluorobenzene		94	% Recovery	RJS	3/10/98

NOTE: MtBE detected at 0.048 mg/L and Tetrahydrofuran at 0.022 mg/L.

Sample Desc.: VB-01
Sample Nos: 002

Sample Date: 3/05/98
Collection Time: 14:00

Test Performed	Method	Results	Units	Analyst	Analysis Date
Volatile Organics by GC/MS	EPA 524.2			RJS	3/10/98
Bromodichloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Bromoform	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Bromomethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98

SCITEST LABORATORY SERVICES

ANALYTICAL REPORT

Project Name: Monkton Bedrock Wells
Project No.: 070249

Work Order No.: 9803-00774

Sample Desc.: VB-01
Sample Nos: 002

Sample Date: 3/05/98
Collection Time: 14:00

Test Performed	Method	Results	Units	Analyst	Analysis Date
Chlorobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Dibromochloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Chloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Chloroform	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Chloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
2-Chlorotoluene (ortho)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
4-Chlorotoluene (para)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2-Dichlorobenzene (ortho)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Dibromomethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Dichlorodifluoromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,3-Dichlorobenzene (meta)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
cis 1,2-Dichloroethene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
trans 1,2-Dichloroethene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1-Dichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2-Dichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Dichloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
2,2-Dichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,3-Dichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
cis 1,3-Dichloropropene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1-Dichloropropene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Fluorotrichloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Ethylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Styrene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1,1,2-Tetrachloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1,2,2-Tetrachloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1,2-Trichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Tetrachloroethene (PCE)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2,3-Trichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Toluene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
m/p-Xylene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
o-Xylene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2,4-Trichlorobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Bromochloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
n-Butylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
sec-Butylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
tert-Butylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Hexachlorobutadiene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Isopropylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Naphthalene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Propylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98

ANALYTICAL REPORT

Project Name: Monkton Bedrock Wells
Project No.: 070249

Work Order No.: 9803-00774

Sample Desc.: VB-01
Sample Nos: 002

Sample Date: 3/05/98
Collection Time: 14:00

Test Performed	Method	Results	Units	Analyst	Analysis Date
1,2,3-Trichlorobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2,4-Trimethylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,3,5-Trimethylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Benzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Bromobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Carbontetrachloride	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2-Dichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
P-Isopropyltoluene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,4-Dichlorobenzene (para)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1-Dichloroethene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
trans-1,3-Dichloropropene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1,1-Trichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Trichloroethene (TCE)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Vinyl Chloride	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Xylenes, Total	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Total Trihalomethanes	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Surrogate:				RJS	3/10/98
Bromofluorobenzene		95	% Recovery	RJS	3/10/98

Sample Desc.: JOO5-01
Sample Nos: 003

Sample Date: 3/05/98
Collection Time: 14:10

Test Performed	Method	Results	Units	Analyst	Analysis Date
Volatile Organics by GC/MS	EPA 524.2			RJS	3/10/98
Bromodichloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Bromoform	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Bromomethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Chlorobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Dibromochloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Chloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Chloroform	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Chloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
2-Chlorotoluene (ortho)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
4-Chlorotoluene (para)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2-Dichlorobenzene (ortho)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Dibromomethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Dichlorodifluoromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,3-Dichlorobenzene (meta)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
cis 1,2-Dichloroethene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
trans 1,2-Dichloroethene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98

ANALYTICAL REPORT

Project Name: Monkton Bedrock Wells
Project No.: 070249

Work Order No.: 9803-00774

Sample Desc.: JOO5-01
Sample Nos: 003

Sample Date: 3/05/98
Collection Time: 14:10

Test Performed	Method	Results	Units	Analyst	Analysis Date
1,1-Dichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2-Dichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Dichloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
2,2-Dichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,3-Dichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
cis 1,3-Dichloropropene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1-Dichloropropene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Fluorotrichloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Ethylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Styrene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1,1,2-Tetrachloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1,2,2-Tetrachloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1,2-Trichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Tetrachloroethene (PCE)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2,3-Trichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Toluene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
m/p-Xylene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
o-Xylene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2,4-Trichlorobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Bromochloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
n-Butylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
sec-Butylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
tert-Butylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Hexachlorobutadiene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Isopropylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Naphthalene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Propylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2,3-Trichlorobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2,4-Trimethylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,3,5-Trimethylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Benzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Bromobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Carbontetrachloride	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2-Dichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
P-Isopropyltoluene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,4-Dichlorobenzene (para)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1-Dichloroethene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
trans-1,3-Dichloropropene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1,1-Trichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Trichloroethene (TCE)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98

ANALYTICAL REPORT

Project Name: Monkton Bedrock Wells
Project No.: 070249

Work Order No.: 9803-00774

Sample Desc.: JOO5-01
Sample Nos: 003

Sample Date: 3/05/98
Collection Time: 14:10

Test Performed	Method	Results	Units	Analyst	Analysis Date
Vinyl Chloride	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Xylenes, Total	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Total Trihalomethanes	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Surrogate:				RJS	3/10/98
Bromofluorobenzene		96	% Recovery	RJS	3/10/98

Sample Desc.: DPNT-01
Sample Nos: 004

Sample Date: 3/05/98
Collection Time: 14:30

Test Performed	Method	Results	Units	Analyst	Analysis Date
Volatile Organics by GC/MS	EPA 524.2			RJS	3/10/98
Bromodichloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Bromoform	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Bromomethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Chlorobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Dibromochloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Chloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Chloroform	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Chloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
2-Chlorotoluene (ortho)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
4-Chlorotoluene (para)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2-Dichlorobenzene (ortho)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Dibromomethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Dichlorodifluoromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,3-Dichlorobenzene (meta)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
cis 1,2-Dichloroethene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
trans 1,2-Dichloroethene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1-Dichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2-Dichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Dichloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
2,2-Dichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,3-Dichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
cis 1,3-Dichloropropene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1-Dichloropropene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Fluorotrichloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Ethylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Styrene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1,1,2-Tetrachloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1,2,2-Tetrachloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1,2-Trichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98

ANALYTICAL REPORT

Project Name: Monkton Bedrock Wells
Project No.: 070249

Work Order No.: 9803-00774

Sample Desc.: DPNT-01
Sample Nos: 004

Sample Date: 3/05/98
Collection Time: 14:30

Test Performed	Method	Results	Units	Analyst	Analysis Date
Tetrachloroethene (PCE)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2,3-Trichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Toluene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
m/p-Xylene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
o-Xylene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2,4-Trichlorobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Bromochloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
n-Butylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
sec-Butylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
tert-Butylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Hexachlorobutadiene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Isopropylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Naphthalene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Propylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2,3-Trichlorobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2,4-Trimethylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,3,5-Trimethylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Benzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Bromobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Carbontetrachloride	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2-Dichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
P-Isopropyltoluene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,4-Dichlorobenzene (para)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1-Dichloroethene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
trans-1,3-Dichloropropene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1,1-Trichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Trichloroethene (TCE)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Vinyl Chloride	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Xylenes, Total	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Total Trihalomethanes	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Surrogate:				RJS	3/10/98
Bromofluorobenzene		97	% Recovery	RJS	3/10/98

Sample Desc.: DPNT-02
Sample Nos: 005

Sample Date: 3/05/98
Collection Time: 14:40

Test Performed	Method	Results	Units	Analyst	Analysis Date
Volatile Organics by GC/MS	EPA 524.2			RJS	3/10/98
Bromodichloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Bromoform	EPA 524.2	<0.0005	mg/L	RJS	3/10/98

SCITEST LABORATORY SERVICES

ANALYTICAL REPORT

Project Name: Monkton Bedrock Wells
Project No.: 070249

Work Order No.: 9803-00774

Sample Desc.: DPNT-02
Sample Nos: 005

Sample Date: 3/05/98
Collection Time: 14:40

Test Performed	Method	Results	Units	Analyst	Analysis Date
Bromomethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Chlorobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Dibromochloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Chloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Chloroform	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Chloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
2-Chlorotoluene (ortho)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
4-Chlorotoluene (para)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2-Dichlorobenzene (ortho)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Dibromomethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Dichlorodifluoromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,3-Dichlorobenzene (meta)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
cis 1,2-Dichloroethene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
trans 1,2-Dichloroethene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1-Dichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2-Dichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Dichloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
2,2-Dichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,3-Dichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
cis 1,3-Dichloropropene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1-Dichloropropene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Fluorotrichloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Ethylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Styrene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1,1,2-Tetrachloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1,2,2-Tetrachloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1,2-Trichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Tetrachloroethene (PCE)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2,3-Trichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Toluene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
m/p-Xylene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
o-Xylene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2,4-Trichlorobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Bromochloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
n-Butylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
sec-Butylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
tert-Butylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Hexachlorobutadiene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Isopropylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Naphthalene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98

ANALYTICAL REPORT

Project Name: Monkton Bedrock Wells
Project No.: 070249

Work Order No.: 9803-00774

Sample Desc.: DPNT-02
Sample Nos: 005

Sample Date: 3/05/98
Collection Time: 14:40

Test Performed	Method	Results	Units	Analyst	Analysis Date
Propylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2,3-Trichlorobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2,4-Trimethylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,3,5-Trimethylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Benzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Bromobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Carbontetrachloride	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2-Dichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
P-Isopropyltoluene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,4-Dichlorobenzene (para)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1-Dichloroethene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
trans-1,3-Dichloropropene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1,1-Trichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Trichloroethene (TCE)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Vinyl Chloride	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Xylenes, Total	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Total Trihalomethanes	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Surrogate:				RJS	3/10/98
Bromofluorobenzene		93	% Recovery	RJS	3/10/98

Sample Desc.: VS-01
Sample Nos: 006

Sample Date: 3/05/98
Collection Time: 15:00

Test Performed	Method	Results	Units	Analyst	Analysis Date
Volatile Organics by GC/MS	EPA 524.2			RJS	3/10/98
Bromodichloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Bromoform	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Bromomethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Chlorobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Dibromochloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Chloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Chloroform	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Chloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
2-Chlorotoluene (ortho)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
4-Chlorotoluene (para)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2-Dichlorobenzene (ortho)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Dibromomethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Dichlorodifluoromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,3-Dichlorobenzene (meta)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
cis 1,2-Dichloroethene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98

ANALYTICAL REPORT

Project Name: Monkton Bedrock Wells
Project No.: 070249

Work Order No.: 9803-00774

Sample Desc.: VS-01
Sample Nos: 006

Sample Date: 3/05/98
Collection Time: 15:00

Test Performed	Method	Results	Units	Analyst	Analysis Date
trans 1,2-Dichloroethene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1-Dichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2-Dichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Dichloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
2,2-Dichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,3-Dichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
cis 1,3-Dichloropropene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1-Dichloropropene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Fluorotrichloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Ethylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Styrene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1,1,2-Tetrachloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1,2,2-Tetrachloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1,2-Trichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Tetrachloroethene (PCE)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2,3-Trichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Toluene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
m/p-Xylene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
o-Xylene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2,4-Trichlorobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Bromochloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
n-Butylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
sec-Butylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
tert-Butylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Hexachlorobutadiene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Isopropylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Naphthalene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Propylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2,3-Trichlorobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2,4-Trimethylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,3,5-Trimethylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Benzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Bromobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Carbontetrachloride	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2-Dichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
P-Isopropyltoluene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,4-Dichlorobenzene (para)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1-Dichloroethene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
trans-1,3-Dichloropropene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1,1-Trichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98

ANALYTICAL REPORT

Project Name: Monkton Bedrock Wells
Project No.: 070249

Work Order No.: 9803-00774

Sample Desc.: VS-01
Sample Nos: 006

Sample Date: 3/05/98
Collection Time: 15:00

Test Performed	Method	Results	Units	Analyst	Analysis Date
Trichloroethene (TCE)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Vinyl Chloride	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Xylenes, Total	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Total Trihalomethanes	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Surrogate:				RJS	3/10/98
Bromofluorobenzene		95	% Recovery	RJS	3/10/98

Sample Desc.: BORD-01
Sample Nos: 007

Sample Date: 3/05/98
Collection Time: 15:30

Test Performed	Method	Results	Units	Analyst	Analysis Date
Volatile Organics by GC/MS	EPA 524.2			RJS	3/11/98
Bromodichloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
Bromoform	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
Bromomethane	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
Chlorobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
Dibromochloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
Chloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
Chloroform	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
Chloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
2-Chlorotoluene (ortho)	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
4-Chlorotoluene (para)	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
1,2-Dichlorobenzene (ortho)	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
Dibromomethane	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
Dichlorodifluoromethane	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
1,3-Dichlorobenzene (meta)	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
cis 1,2-Dichloroethene	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
trans 1,2-Dichloroethene	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
1,1-Dichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
1,2-Dichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
Dichloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
2,2-Dichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
1,3-Dichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
cis 1,3-Dichloropropene	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
1,1-Dichloropropene	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
Fluorotrichloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
Ethylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
Styrene	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
1,1,1,2-Tetrachloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
1,1,2,2-Tetrachloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/11/98

ANALYTICAL REPORT

Project Name: Monkton Bedrock Wells
Project No.: 070249

Work Order No.: 9803-00774

Sample Desc.: BORD-01
Sample Nos: 007

Sample Date: 3/05/98
Collection Time: 15:30

Test Performed	Method	Results	Units	Analyst	Analysis Date
1,1,2-Trichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
Tetrachloroethene (PCE)	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
1,2,3-Trichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
Toluene	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
m/p-Xylene	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
o-Xylene	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
1,2,4-Trichlorobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
Bromochloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
n-Butylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
sec-Butylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
tert-Butylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
Hexachlorobutadiene	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
Isopropylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
Naphthalene	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
Propylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
1,2,3-Trichlorobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
1,2,4-Trimethylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
1,3,5-Trimethylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
Benzene	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
Bromobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
Carbontetrachloride	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
1,2-Dichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
P-Isopropyltoluene	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
1,4-Dichlorobenzene (para)	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
1,1-Dichloroethene	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
trans-1,3-Dichloropropene	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
1,1,1-Trichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
Trichloroethene (TCE)	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
Vinyl Chloride	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
Xylenes, Total	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
Total Trihalomethanes	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
Surrogate:				RJS	3/11/98
Bromofluorobenzene		93	% Recovery	RJS	3/11/98

Sample Desc.: GOD-01
Sample Nos: 008

Sample Date: 3/05/98
Collection Time: 15:40

Test Performed	Method	Results	Units	Analyst	Analysis Date
Volatile Organics by GC/MS	EPA 524.2			RJS	3/10/98
Bromodichloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98

SCITEST LABORATORY SERVICES

ANALYTICAL REPORT

Project Name: Monkton Bedrock Wells
Project No.: 070249

Work Order No.: 9803-00774

Sample Desc.: GOD-01
Sample Nos: 008

Sample Date: 3/05/98
Collection Time: 15:40

Test Performed	Method	Results	Units	Analyst	Analysis Date
Bromoform	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Bromomethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Chlorobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Dibromochloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Chloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Chloroform	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Chloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
2-Chlorotoluene (ortho)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
4-Chlorotoluene (para)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2-Dichlorobenzene (ortho)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Dibromomethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Dichlorodifluoromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,3-Dichlorobenzene (meta)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
cis 1,2-Dichloroethene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
trans 1,2-Dichloroethene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1-Dichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2-Dichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Dichloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
2,2-Dichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,3-Dichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
cis 1,3-Dichloropropene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1-Dichloropropene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Fluorotrichloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Ethylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Styrene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1,1,2-Tetrachloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1,2,2-Tetrachloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1,2-Trichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Tetrachloroethene (PCE)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2,3-Trichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Toluene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
m/p-Xylene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
o-Xylene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2,4-Trichlorobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Bromochloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
n-Butylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
sec-Butylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
tert-Butylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Hexachlorobutadiene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Isopropylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98

ANALYTICAL REPORT

Project Name: Monkton Bedrock Wells
Project No.: 070249

Work Order No.: 9803-00774

Sample Desc.: GOD-01
Sample Nos: 008

Sample Date: 3/05/98
Collection Time: 15:40

Test Performed	Method	Results	Units	Analyst	Analysis Date
Naphthalene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Propylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2,3-Trichlorobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2,4-Trimethylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,3,5-Trimethylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Benzene	EPA 524.2	0.0004	mg/L	RJS	3/10/98
Bromobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Carbontetrachloride	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2-Dichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
P-Isopropyltoluene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,4-Dichlorobenzene (para)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1-Dichloroethene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
trans-1,3-Dichloropropene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1,1-Trichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Trichloroethene (TCE)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Vinyl Chloride	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Xylenes, Total	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Total Trihalomethanes	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Surrogate:				RJS	3/10/98
Bromofluorobenzene		94	% Recovery	RJS	3/10/98

NOTE: MtBE detected at 0.0035 mg/L.

Sample Desc.: TRIP BLANK
Sample Nos: 009

Sample Date: 3/05/98
Collection Time: 13:30

Test Performed	Method	Results	Units	Analyst	Analysis Date
Volatile Organics by GC/MS	EPA 524.2			RJS	3/10/98
Bromodichloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Bromoform	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Bromomethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Chlorobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Dibromochloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Chloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Chloroform	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Chloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
2-Chlorotoluene (ortho)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
4-Chlorotoluene (para)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2-Dichlorobenzene (ortho)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Dibromomethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98

ANALYTICAL REPORT

Project Name: Monkton Bedrock Wells
Project No.: 070249

Work Order No.: 9803-00774

Sample Desc.: TRIP BLANK
Sample Nos: 009

Sample Date: 3/05/98
Collection Time: 13:30

Test Performed	Method	Results	Units	Analyst	Analysis Date
Dichlorodifluoromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,3-Dichlorobenzene (meta)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
cis 1,2-Dichloroethene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
trans 1,2-Dichloroethene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1-Dichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2-Dichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Dichloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
2,2-Dichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,3-Dichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
cis 1,3-Dichloropropene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1-Dichloropropene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Fluorotrichloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Ethylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Styrene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1,1,2-Tetrachloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1,2,2-Tetrachloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1,2-Trichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Tetrachloroethene (PCE)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2,3-Trichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Toluene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
m/p-Xylene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
o-Xylene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2,4-Trichlorobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Bromochloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
n-Butylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
sec-Butylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
tert-Butylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Hexachlorobutadiene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Isopropylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Naphthalene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Propylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2,3-Trichlorobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2,4-Trimethylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,3,5-Trimethylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Benzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Bromobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Carbontetrachloride	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2-Dichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
P-Isopropyltoluene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,4-Dichlorobenzene (para)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98

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ANALYTICAL REPORT

Project Name: Monkton Bedrock Wells
Project No.: 070249

Work Order No.: 9803-00774

Sample Desc.: TRIP BLANK
Sample Nos: 009

Sample Date: 3/05/98
Collection Time: 13:30

Test Performed	Method	Results	Units	Analyst	Analysis Date
1,1-Dichloroethene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
trans-1,3-Dichloropropene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1,1-Trichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Trichloroethene (TCE)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Vinyl Chloride	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Xylenes, Total	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Total Trihalomethanes	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Surrogate:				RJS	3/10/98
Bromofluorobenzene		95	% Recovery	RJS	3/10/98

Sample Desc.: HBVR-01
Sample Nos: 010

Sample Date: 3/05/98
Collection Time: 15:50

Test Performed	Method	Results	Units	Analyst	Analysis Date
Volatile Organics by GC/MS	EPA 524.2			RJS	3/10/98
Bromodichloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Bromoform	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Bromomethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Chlorobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Dibromochloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Chloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Chloroform	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Chloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
2-Chlorotoluene (ortho)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
4-Chlorotoluene (para)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2-Dichlorobenzene (ortho)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Dibromomethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Dichlorodifluoromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,3-Dichlorobenzene (meta)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
cis 1,2-Dichloroethene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
trans 1,2-Dichloroethene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1-Dichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2-Dichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Dichloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
2,2-Dichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,3-Dichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
cis 1,3-Dichloropropene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1-Dichloropropene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Fluorotrichloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Ethylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98

ANALYTICAL REPORT

Project Name: Monkton Bedrock Wells
Project No.: 070249

Work Order No.: 9803-00774

Sample Desc.: HBVR-01
Sample Nos: 010

Sample Date: 3/05/98
Collection Time: 15:50

Test Performed	Method	Results	Units	Analyst	Analysis Date
Styrene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1,1,2-Tetrachloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1,2,2-Tetrachloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1,2-Trichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Tetrachloroethene (PCE)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2,3-Trichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Toluene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
m/p-Xylene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
o-Xylene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2,4-Trichlorobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Bromochloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
n-Butylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
sec-Butylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
tert-Butylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Hexachlorobutadiene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Isopropylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Naphthalene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Propylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2,3-Trichlorobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2,4-Trimethylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,3,5-Trimethylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Benzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Bromobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Carbontetrachloride	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2-Dichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
P-Isopropyltoluene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,4-Dichlorobenzene (para)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1-Dichloroethene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
trans-1,3-Dichloropropene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1,1-Trichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Trichloroethene (TCE)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Vinyl Chloride	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Xylenes, Total	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Total Trihalomethanes	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Surrogate:				RJS	3/10/98
Bromofluorobenzene		95	% Recovery	RJS	3/10/98

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ANALYTICAL REPORT

Project Name: Monkton Bedrock Wells
Project No.: 070249

Work Order No.: 9803-00774

Sample Desc.: MOOD-01
Sample Nos: 011

Sample Date: 3/05/98
Collection Time: 16:20

Test Performed	Method	Results	Units	Analyst	Analysis Date
Volatile Organics by GC/MS	EPA 524.2			RJS	3/10/98
Bromodichloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Bromoform	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Bromomethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Chlorobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Dibromochloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Chloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Chloroform	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Chloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
2-Chlorotoluene (ortho)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
4-Chlorotoluene (para)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2-Dichlorobenzene (ortho)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Dibromomethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Dichlorodifluoromethane	EPA 524.2	0.0002	mg/L	RJS	3/10/98
1,3-Dichlorobenzene (meta)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
cis 1,2-Dichloroethene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
trans 1,2-Dichloroethene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1-Dichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2-Dichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Dichloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
2,2-Dichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,3-Dichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
cis 1,3-Dichloropropene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1-Dichloropropene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Fluorotrichloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Ethylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Styrene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1,1,2-Tetrachloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1,2,2-Tetrachloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1,2-Trichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Tetrachloroethene (PCE)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2,3-Trichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Toluene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
m/p-Xylene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
o-Xylene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2,4-Trichlorobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Bromochloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
n-Butylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
sec-Butylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
tert-Butylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98

ANALYTICAL REPORT

Project Name: Monkton Bedrock Wells
Project No.: 070249

Work Order No.: 9803-00774

Sample Desc.: MOOD-01
Sample Nos: 011

Sample Date: 3/05/98
Collection Time: 16:20

Test Performed	Method	Results	Units	Analyst	Analysis Date
Hexachlorobutadiene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Isopropylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Naphthalene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Propylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2,3-Trichlorobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2,4-Trimethylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,3,5-Trimethylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Benzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Bromobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Carbontetrachloride	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2-Dichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
P-Isopropyltoluene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,4-Dichlorobenzene (para)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1-Dichloroethene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
trans-1,3-Dichloropropene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1,1-Trichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Trichloroethene (TCE)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Vinyl Chloride	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Xylenes, Total	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Total Trihalomethanes	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Surrogate:				RJS	3/10/98
Bromofluorobenzene		94	% Recovery	RJS	3/10/98

Sample Desc.: CBUR-01
Sample Nos: 012

Sample Date: 3/05/98
Collection Time: 16:45

Test Performed	Method	Results	Units	Analyst	Analysis Date
Volatile Organics by GC/MS	EPA 524.2			RJS	3/10/98
Bromodichloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Bromoform	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Bromomethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Chlorobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Dibromochloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Chloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Chloroform	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Chloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
2-Chlorotoluene (ortho)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
4-Chlorotoluene (para)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2-Dichlorobenzene (ortho)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Dibromomethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98

ANALYTICAL REPORT

Project Name: Monkton Bedrock Wells
Project No.: 070249

Work Order No.: 9803-00774

Sample Desc.: CBUR-01
Sample Nos: 012

Sample Date: 3/05/98
Collection Time: 16:45

Test Performed	Method	Results	Units	Analyst	Analysis Date
Dichlorodifluoromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,3-Dichlorobenzene (meta)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
cis 1,2-Dichloroethene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
trans 1,2-Dichloroethene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1-Dichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2-Dichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Dichloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
2,2-Dichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,3-Dichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
cis 1,3-Dichloropropene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1-Dichloropropene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Fluorotrichloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Ethylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Styrene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1,1,2-Tetrachloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1,2,2-Tetrachloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1,2-Trichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Tetrachloroethene (PCE)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2,3-Trichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Toluene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
m/p-Xylene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
o-Xylene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2,4-Trichlorobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Bromochloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
n-Butylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
sec-Butylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
tert-Butylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Hexachlorobutadiene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Isopropylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Naphthalene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Propylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2,3-Trichlorobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2,4-Trimethylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,3,5-Trimethylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Benzene	EPA 524.2	0.0047	mg/L	RJS	3/10/98
Bromobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Carbontetrachloride	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,2-Dichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
P-Isopropyltoluene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,4-Dichlorobenzene (para)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98

ANALYTICAL REPORT

Project Name: Monkton Bedrock Wells
Project No.: 070249

Work Order No.: 9803-00774

Sample Desc.: CBUR-01
Sample Nos: 012

Sample Date: 3/05/98
Collection Time: 16:45

Test Performed	Method	Results	Units	Analyst	Analysis Date
1,1-Dichloroethene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
trans-1,3-Dichloropropene	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
1,1,1-Trichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Trichloroethene (TCE)	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Vinyl Chloride	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Xylenes, Total	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Total Trihalomethanes	EPA 524.2	<0.0005	mg/L	RJS	3/10/98
Surrogate:				RJS	3/10/98
Bromofluorobenzene		94	% Recovery	RJS	3/10/98

NOTE: MtBE detected at 0.0081 mg/L.

Sample Desc.: CYR-01
Sample Nos: 013

Sample Date: 3/05/98
Collection Time: 16:55

Test Performed	Method	Results	Units	Analyst	Analysis Date
Volatile Organics by GC/MS	EPA 524.2			RJS	3/11/98
Bromodichloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
Bromoform	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
Bromomethane	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
Chlorobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
Dibromochloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
Chloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
Chloroform	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
Chloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
2-Chlorotoluene (ortho)	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
4-Chlorotoluene (para)	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
1,2-Dichlorobenzene (ortho)	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
Dibromomethane	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
Dichlorodifluoromethane	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
1,3-Dichlorobenzene (meta)	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
cis 1,2-Dichloroethene	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
trans 1,2-Dichloroethene	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
1,1-Dichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
1,2-Dichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
Dichloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
2,2-Dichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
1,3-Dichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
cis 1,3-Dichloropropene	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
1,1-Dichloropropene	EPA 524.2	<0.0005	mg/L	RJS	3/11/98

ANALYTICAL REPORT

Project Name: Monkton Bedrock Wells
Project No.: 070249

Work Order No.: 9803-00774

Sample Desc.: CYR-01
Sample Nos: 013

Sample Date: 3/05/98
Collection Time: 16:55

Test Performed	Method	Results	Units	Analyst	Analysis Date
Fluorotrichloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
Ethylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
Styrene	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
1,1,1,2-Tetrachloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
1,1,2,2-Tetrachloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
1,1,2-Trichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
Tetrachloroethene (PCE)	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
1,2,3-Trichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
Toluene	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
m/p-Xylene	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
o-Xylene	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
1,2,4-Trichlorobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
Bromochloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
n-Butylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
sec-Butylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
tert-Butylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
Hexachlorobutadiene	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
Isopropylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
Naphthalene	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
Propylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
1,2,3-Trichlorobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
1,2,4-Trimethylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
1,3,5-Trimethylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
Benzene	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
Bromobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
Carbontetrachloride	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
1,2-Dichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
P-Isopropyltoluene	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
1,4-Dichlorobenzene (para)	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
1,1-Dichloroethene	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
trans-1,3-Dichloropropene	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
1,1,1-Trichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
Trichloroethene (TCE)	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
Vinyl Chloride	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
Xylenes, Total	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
Total Trihalomethanes	EPA 524.2	<0.0005	mg/L	RJS	3/11/98
Surrogate:				RJS	3/11/98
Bromofluorobenzene		94	% Recovery	RJS	3/11/98

NOTE: MtBE detected at 0.0014 mg/L.

SCITEST
LABORATORY SERVICES

ANALYTICAL REPORT

Project Name: Monkton Bedrock Wells
Project No.: 070249

Work Order No.: 9803-00774

Sample Desc.: SURBUR-01
Sample Nos: 014

Sample Date: 3/05/98
Collection Time: 17:00

Test Performed	Method	Results	Units	Analyst	Analysis Date
Aromatic Volatile Organics	EPA 8020/602			JPM	3/07/98
Methyl Tertiary Butyl Ether	EPA 602/8020	BPQL	ug/L	JPM	3/07/98
Benzene	EPA 602/8020	BPQL	ug/L	JPM	3/07/98
Toluene	EPA 602/8020	BPQL	ug/L	JPM	3/07/98
Ethyl Benzene	EPA 602/8020	BPQL	ug/L	JPM	3/07/98
Total Xylenes	EPA 602/8020	BPQL	ug/L	JPM	3/07/98
Chlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	3/07/98
1,2-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	3/07/98
1,3-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	3/07/98
1,4-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	3/07/98
Surrogate: 8020				JPM	3/07/98
***Bromofluorobenzene-8020		94	% Recovery	JPM	3/07/98

BPQL = Below Practical Quantitation Limit; 1 ug/L

Authorized by: Joann S Wood

SCITEST
LABORATORY SERVICES

Scitest, Inc.
P.O. Box 339
Route 66 Professional Center, Randolph, VT 05060
Phone: (802)728-6313 Fax: (802)728-6044

Sample Logged in By: [illegible]
Anomaly Sheet: Y ___ N ✓

Monkton General Store
Preservative Check:
Temperature Check: cold

Client: Jefferson P. Hoffer & Associates
Address: RR 4 Box 2286, Comstock Road
Montpelier, VT 05602

Contact: Jeff Hoffer
Phone No:

Customer Nos: 70249
Project:
Job Template:

Date requested:
Date shipped:
Date scheduled:

CHAIN OF CUSTODY

	Date	Time		Date	Time
Sampled by: [illegible]			Print Name Here: TIM SCHMALZ		
Relinquished by: [illegible]	3/17		Accepted by:		
Relinquished by:			Received by Scitest: [illegible]	3/17/98	8:00

Sample No.	Sample Description	Sample Date	Sample Time	Matrix	Preservative	Container Material	Container Volume	Containers per Sample	Parameters
1	DILL-01	3/16	1320	GW	HCl	Glass	40 mL	2	EPA 524
2	FITZ-01		1500	GW	HCl	Glass	40 mL	2	EPA 524
3				GW	HCl	Glass	40 mL	2	EPA 524
4				GW	HCl	Glass	40 mL	2	EPA 524
5				GW	HCl	Glass	40 mL	2	EPA 524
6				GW	HCl	Glass	40 mL	2	EPA 524
7	MW-105		1530	GW	HCl	Glass	40 mL	2	EPA 8020
8	DUPSUR-01		1400	GW	HCl	Glass	40 mL	2	EPA 8020
9	DUPSUR-02		1405	GW	HCl	Glass	40 mL	2	EPA 8020
10	MW-106		1550	GW	HCl	Glass	40 mL	2	EPA 8020 (has several tiny bubbles)

SAMPLES MUST REACH THE LAB within ___ of sampling time to meet all holding times.	Parameters are correct as listed. Client Initial: ___ Please fill in ALL areas marked with an asterisk (*). Thank you. Additional instruction if applicable are attached.	Scitest Work Order: 9803-00909

Hoffer, Page 2

Sample No.	Sample Description	Sample Date	Sample Time	Matrix	Preservative	Container Material	Container Volume	Containers per Sample	Parameters
7 11	MW-107	3/16	1540	GW	HCl	Glass	40 mL	2	EPA 8020
8 12	MW-10		1610	GW	HCl	Glass	40 mL	2	EPA 8020 (has several tiny bubbles
9 13	STREAM-01		1415	GW	HCl	Glass	40 mL	2	EPA 8020
10 14	MW-104		1600	GW	HCl	Glass	40 mL	2	EPA 8020 (has several tiny bubbles)
11 15	FB-01		1615	GW	HCl	Glass	40 mL	2	EPA 8020
12 16	HONSUR-01		1340	GW	HCl	Glass	40 mL	2	EPA 8020
				GW	HCl	Glass	40 mL	2	EPA 8020
13 18	Trip Blank (3/9/98)		1000	WA	HCl	Glass	40 mL	2	EPA 8020

NITTANY GEOSCIENCE INC.

Calculation Sheet

By

Subject: MG STORE pH, COND, TEMP.

Date: 3/16/98

Project no.

Page of

Checked by

Date

MW #	D_{H_2O}	Conduct.	pH	Temp C°	SAMPLE.
DILLON	23.69'	226 µs	8.79	10.4	524
DUPONT-01	5.24'	141 µs	6.40	3.8	8020
DUPONT-02	2.10	544 µs	7.15	2.2	8020
STREAM-1	—	647 µs	7.65	1.4	8020
VONSTBG.	3.35	551 µs	7.15	3.4	8020
FITZGERALD	—	490 µs	8.07	9.0	524
MW-104	6.13	2.37 ms	7.03	6.0	8020
-105	5.02	427 µs	7.15	4.6	8020
-106	5.13	1041 µs	7.54	4.5	8020
-107	3.98	2.01 ms	7.15	4.1	8020

SCITEST
LABORATORY SERVICES

ANALYTICAL REPORT

P.O. Box 339
Randolph, Vermont 05060-0339
(802) 728-6313

Jefferson Hoffer & Associates
RR 4 Box 2286
Montpelier VT, VT 05602

Jeff Hoffer

Work Order No.: 9803-00909

Project Name: Monkton General Store
Customer Nos.: 070249

Date Received: 3/17/98
Date Reported: 3/25/98

Sample Desc.: DILL-01
Sample Nos: 001

Sample Date: 3/16/98
Collection Time: 13:20

Test Performed	Method	Results	Units	Analyst	Analysis Date
Volatile Organics by GC/MS	EPA 524.2			RJS	3/18/98
Bromodichloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
Bromoform	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
Bromomethane	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
Chlorobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
Dibromochloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
Chloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
Chloroform	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
Chloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
2-Chlorotoluene (ortho)	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
4-Chlorotoluene (para)	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
1,2-Dichlorobenzene (ortho)	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
Dibromomethane	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
Dichlorodifluoromethane	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
1,3-Dichlorobenzene (meta)	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
cis 1,2-Dichloroethene	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
trans 1,2-Dichloroethene	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
1,1-Dichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
1,2-Dichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
Dichloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
2,2-Dichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
1,3-Dichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
cis 1,3-Dichloropropene	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
1,1-Dichloropropene	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
Fluorotrichloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
Ethylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
Styrene	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
1,1,1,2-Tetrachloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
1,1,2,2-Tetrachloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
1,1,2-Trichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
Tetrachloroethene (PCE)	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
1,2,3-Trichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
Toluene	EPA 524.2	<0.0005	mg/L	RJS	3/18/98

ANALYTICAL REPORT

Project Name: Monkton General Store
Project No.: 070249

Work Order No.: 9803-00909

Sample Desc.: DILL-01
Sample Nos: 001

Sample Date: 3/16/98
Collection Time: 13:20

Test Performed	Method	Results	Units	Analyst	Analysis Date
m/p-Xylene	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
o-Xylene	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
1,2,4-Trichlorobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
Bromochloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
n-Butylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
sec-Butylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
tert-Butylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
Hexachlorobutadiene	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
Isopropylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
Naphthalene	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
Propylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
1,2,3-Trichlorobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
1,2,4-Trimethylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
1,3,5-Trimethylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
Benzene	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
Bromobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
Carbontetrachloride	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
1,2-Dichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
P-Isopropyltoluene	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
1,4-Dichlorobenzene (para)	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
1,1-Dichloroethene	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
trans-1,3-Dichloropropene	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
1,1,1-Trichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
Trichloroethene (TCE)	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
Vinyl Chloride	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
Xylenes, Total	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
Total Trihalomethanes	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
Surrogate:				RJS	3/18/98
Bromofluorobenzene		98	% Recovery	RJS	3/18/98

Sample Desc.: FITZ-01
Sample Nos: 002

Sample Date: 3/16/98
Collection Time: 15:00

Test Performed	Method	Results	Units	Analyst	Analysis Date
Volatile Organics by GC/MS	EPA 524.2			RJS	3/18/98
Bromodichloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
Bromoform	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
Bromomethane	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
Chlorobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
Dibromochloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/18/98

SCITEST
LABORATORY SERVICES

ANALYTICAL REPORT

Project Name: Monkton General Store
Project No.: 070249

Work Order No.: 9803-00909

Sample Desc.: FITZ-01
Sample Nos: 002

Sample Date: 3/16/98
Collection Time: 15:00

Test Performed	Method	Results	Units	Analyst	Analysis Date
Chloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
Chloroform	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
Chloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
2-Chlorotoluene (ortho)	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
4-Chlorotoluene (para)	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
1,2-Dichlorobenzene (ortho)	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
Dibromomethane	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
Dichlorodifluoromethane	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
1,3-Dichlorobenzene (meta)	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
cis 1,2-Dichloroethene	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
trans 1,2-Dichloroethene	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
1,1-Dichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
1,2-Dichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
Dichloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
2,2-Dichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
1,3-Dichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
cis 1,3-Dichloropropene	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
1,1-Dichloropropene	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
Fluorotrichloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
Ethylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
Styrene	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
1,1,1,2-Tetrachloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
1,1,2,2-Tetrachloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
1,1,2-Trichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
Tetrachloroethene (PCE)	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
1,2,3-Trichloropropane	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
Toluene	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
m/p-Xylene	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
o-Xylene	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
1,2,4-Trichlorobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
Bromochloromethane	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
n-Butylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
sec-Butylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
tert-Butylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
Hexachlorobutadiene	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
Isopropylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
Naphthalene	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
Propylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
1,2,3-Trichlorobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
1,2,4-Trimethylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/18/98

SCITEST
LABORATORY SERVICES

ANALYTICAL REPORT

Project Name: Monkton General Store
Project No.: 070249

Work Order No.: 9803-00909

Sample Desc.: FITZ-01
Sample Nos: 002

Sample Date: 3/16/98
Collection Time: 15:00

Test Performed	Method	Results	Units	Analyst	Analysis Date
1,3,5-Trimethylbenzene	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
Benzene	EPA 524.2	trace	mg/L	RJS	3/18/98
Bromobenzene	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
Carbontetrachloride	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
1,2-Dichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
P-Isopropyltoluene	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
1,4-Dichlorobenzene (para)	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
1,1-Dichloroethene	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
trans-1,3-Dichloropropene	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
1,1,1-Trichloroethane	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
Trichloroethene (TCE)	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
Vinyl Chloride	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
Xylenes, Total	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
Total Trihalomethanes	EPA 524.2	<0.0005	mg/L	RJS	3/18/98
Surrogate:				RJS	3/18/98
Bromofluorobenzene		100	% Recovery	RJS	3/18/98

Note: A trace of Benzene was detected below the calculated method detection limit of 0.00021 mg/L. Methyl tertiary Butyl Ether was detected at 0.0033 mg/L.

Sample Desc.: MW-105
Sample Nos: 003

Sample Date: 3/16/98
Collection Time: 15:30

Test Performed	Method	Results	Units	Analyst	Analysis Date
Aromatic Volatile Organics	EPA 8020/602			JPM	3/19/98
Methyl Tertiary Butyl Ether	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Benzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Toluene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Ethyl Benzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Total Xylenes	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Chlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
1,2-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
1,3-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
1,4-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Surrogate: 8020				JPM	3/19/98
***Bromofluorobenzene-8020		99	% Recovery	JPM	3/19/98

SCITEST
LABORATORY SERVICES

ANALYTICAL REPORT

Project Name: Monkton General Store
Project No.: 070249

Work Order No.: 9803-00909

Sample Desc.: DUPSUR-01
Sample Nos: 004
Sample Date: 3/16/98
Collection Time: 14:00

Test Performed	Method	Results	Units	Analyst	Analysis Date
Aromatic Volatile Organics	EPA 8020/602			JPM	3/19/98
Methyl Tertiary Butyl Ether	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Benzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Toluene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Ethyl Benzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Total Xylenes	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Chlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
1,2-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
1,3-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
1,4-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Surrogate: 8020				JPM	3/19/98
***Bromofluorobenzene-8020		98	% Recovery	JPM	3/19/98

Sample Desc.: DUPSUR-02
Sample Nos: 005
Sample Date: 3/16/98
Collection Time: 14:05

Test Performed	Method	Results	Units	Analyst	Analysis Date
Aromatic Volatile Organics	EPA 8020/602			JPM	3/19/98
Methyl Tertiary Butyl Ether	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Benzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Toluene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Ethyl Benzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Total Xylenes	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Chlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
1,2-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
1,3-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
1,4-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Surrogate: 8020				JPM	3/19/98
***Bromofluorobenzene-8020		97	% Recovery	JPM	3/19/98

Sample Desc.: MW-106
Sample Nos: 006
Sample Date: 3/16/98
Collection Time: 15:50

Test Performed	Method	Results	Units	Analyst	Analysis Date
Aromatic Volatile Organics	EPA 8020/602			JPM	3/19/98
Methyl Tertiary Butyl Ether	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Benzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Toluene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Ethyl Benzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Total Xylenes	EPA 602/8020	BPQL	ug/L	JPM	3/19/98

ANALYTICAL REPORT

Project Name: Monkton General Store
Project No.: 070249

Work Order No.: 9803-00909

Sample Desc.: MW-106
Sample Nos: 006

Sample Date: 3/16/98
Collection Time: 15:50

Test Performed	Method	Results	Units	Analyst	Analysis Date
Chlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
1,2-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
1,3-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
1,4-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Surrogate: 8020				JPM	3/19/98
***Bromofluorobenzene-8020		98	% Recovery	JPM	3/19/98

Sample Desc.: MW-107
Sample Nos: 007

Sample Date: 3/16/98
Collection Time: 15:40

Test Performed	Method	Results	Units	Analyst	Analysis Date
Aromatic Volatile Organics	EPA 8020/602			JPM	3/19/98
Methyl Tertiary Butyl Ether	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Benzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Toluene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Ethyl Benzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Total Xylenes	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Chlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
1,2-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
1,3-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
1,4-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Surrogate: 8020				JPM	3/19/98
***Bromofluorobenzene-8020		98	% Recovery	JPM	3/19/98

Sample Desc.: MW-10
Sample Nos: 008

Sample Date: 3/16/98
Collection Time: 16:10

Test Performed	Method	Results	Units	Analyst	Analysis Date
Aromatic Volatile Organics	EPA 8020/602			JPM	3/19/98
Methyl Tertiary Butyl Ether	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Benzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Toluene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Ethyl Benzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Total Xylenes	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Chlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
1,2-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
1,3-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
1,4-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Surrogate: 8020				JPM	3/19/98
***Bromofluorobenzene-8020		99	% Recovery	JPM	3/19/98

ANALYTICAL REPORT

Project Name: Monkton General Store
Project No.: 070249

Work Order No.: 9803-00909

Sample Desc.: STREAM-01
Sample Nos: 009

Sample Date: 3/16/98
Collection Time: 14:15

Test Performed	Method	Results	Units	Analyst	Analysis Date
Aromatic Volatile Organics	EPA 8020/602			JPM	3/19/98
Methyl Tertiary Butyl Ether	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Benzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Toluene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Ethyl Benzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Total Xylenes	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Chlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
1,2-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
1,3-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
1,4-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Surrogate: 8020				JPM	3/19/98
***Bromofluorobenzene-8020		99	% Recovery	JPM	3/19/98

Sample Desc.: MW-104
Sample Nos: 010

Sample Date: 3/16/98
Collection Time: 16:00

Test Performed	Method	Results	Units	Analyst	Analysis Date
Aromatic Volatile Organics	EPA 8020/602			JPM	3/19/98
Methyl Tertiary Butyl Ether	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Benzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Toluene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Ethyl Benzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Total Xylenes	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Chlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
1,2-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
1,3-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
1,4-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Surrogate: 8020				JPM	3/19/98
***Bromofluorobenzene-8020		99	% Recovery	JPM	3/19/98

Sample Desc.: FB-01
Sample Nos: 011

Sample Date: 3/16/98
Collection Time: 16:15

Test Performed	Method	Results	Units	Analyst	Analysis Date
Aromatic Volatile Organics	EPA 8020/602			JPM	3/19/98
Methyl Tertiary Butyl Ether	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Benzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Toluene	EPA 602/8020	TRACE	ug/L	JPM	3/19/98
Ethyl Benzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Total Xylenes	EPA 602/8020	BPQL	ug/L	JPM	3/19/98

ANALYTICAL REPORT

Project Name: Monkton General Store
Project No.: 070249

Work Order No.: 9803-00909

Sample Desc.: FB-01
Sample Nos: 011
Sample Date: 3/16/98
Collection Time: 16:15

Test Performed	Method	Results	Units	Analyst	Analysis Date
Chlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
1,2-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
1,3-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
1,4-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Surrogate: 8020				JPM	3/19/98
***Bromofluorobenzene-8020		101	% Recovery	JPM	3/19/98

Sample Desc.: VONSUR-01
Sample Nos: 012
Sample Date: 3/16/98
Collection Time: 13:40

Test Performed	Method	Results	Units	Analyst	Analysis Date
Aromatic Volatile Organics	EPA 8020/602			JPM	3/19/98
Methyl Tertiary Butyl Ether	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Benzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Toluene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Ethyl Benzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Total Xylenes	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Chlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
1,2-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
1,3-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
1,4-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Surrogate: 8020				JPM	3/19/98
***Bromofluorobenzene-8020		100	% Recovery	JPM	3/19/98

Sample Desc.: Trip Blank (1/9/98)
Sample Nos: 013
Sample Date: 3/16/98
Collection Time: 10:00

Test Performed	Method	Results	Units	Analyst	Analysis Date
Aromatic Volatile Organics	EPA 8020/602			JPM	3/19/98
Methyl Tertiary Butyl Ether	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Benzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Toluene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Ethyl Benzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Total Xylenes	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Chlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
1,2-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
1,3-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
1,4-Dichlorobenzene	EPA 602/8020	BPQL	ug/L	JPM	3/19/98
Surrogate: 8020				JPM	3/19/98
***Bromofluorobenzene-8020		101	% Recovery	JPM	3/19/98

ANALYTICAL REPORT

Project Name: Monkton General Store
Project No.: 070249

Work Order No.: 9803-00909

BPQL = Below Practical Quantitation Limit; 1 ug/L
TRACE = Detected Below Practical Quantitation Limit of 1 ug/L

Authorized by: Louis Lamothe

SCITEST
LABORATORY SERVICES

06-126-003

1303

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 30 days after completion of well.)

Do not fill in
State Well No. N: 44°75'15"
Other No. W: 73°07'25"

WELL OWNER: Guy Burritt (M65-1998) — Name — Mailing Address: Moretown, Vt.

WELL DRILLER: J. R. Feeley & Sons, Inc — Name — Mailing Address: Highgate Ctr. Vt.

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: 119 Feet	☐ Bailed or ☐ Pumped Hours	Static: 70 Feet	Make:
Diameter: 6" Inches	or ☑ Compressed Air GPM	During Yield Test: Feet	Material:
Kind: Steel		DRILLING EQUIPMENT	Slot Size
Weight: 19.45 lbs/p/ft		☐ Cable Tool ☑ Rotary	Length: Ft.
☑ New ☐ Used	Yield: 12 GPM	☐ Air Percussion ☐ Other (specify)	Diameter: In.

TOTAL DEPTH OF WELL 280 FEET

TOWN WELL IS LOCATED IN: Moretown 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 110 ft.	Hardpan & boulders
110 ft. to 280 ft.	Limestone ledge
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?

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

Date Well was Completed 12-1-66

Date of Report 12-6-66

Water Well Driller's License No. 18

Well Driller J. R. Feeley & Sons Inc (signature)
J. R. Feeley, Pres.

WELL NUMBER
565
(For Driller's Use)

1303

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.)

APR 14 1977 MORIN-1998

DO NOT FILL IN
#48

WELL OWNER Mr. & Mrs. Kenneth F. LaFountain Sr. (Name) Moretown (Mailing Address)

TOWN IN WHICH WELL IS LOCATED: Moretown

(Please locate well on a large scale map to accompany this report. Maps are available on request.)

DATE WELL WAS COMPLETED: 4/5/77

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: 675' STATIC WATER 90'

CASING DETAILS: Length 20 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:

FINAL YIELD TEST: ☐ Bailed, or ☐ Pumped, or ☒ Compressed Air
..... 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; 27 ft. to 134 ft. gray granite.

Surface to 146' ft. dirt, clay, hardpan
146' to 156' ft. rock
156' to 675' ft. bed rock
to ft.

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

G.P.M. @	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: ..... Signature

DOING BUSINESS AS: J.A. Feeley & Sons, Inc. Company

DATE OF REPORT: 4/8/77 WELL DRILLERS LICENSE NO. 18

5M 6-76

WELL NUMBER
820
(For Driller's Use)

13D3

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.)

DO NOT FILL IN
75

MAR 26 1979

WELL OWNER Mr. + Mrs. Guy D. Burrett (HOPE) Box 261-1 RFD #2 Bristol, Vt. 05443
Name — Mailing Address

TOWN IN WHICH WELL IS LOCATED: Monkton

(Please locate well on a large scale map to accompany this report. Maps are available on request.)

DATE WELL WAS COMPLETED: 12/29/78

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: 325' STATIC WATER LEVEL: 30'

CASING DETAILS: Length 20 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: .....

FINAL YIELD TEST: ☐ Bailed, or ☐ Pumped, or ☑ Compressed Air
..... 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 15 ft.	dirt
15 to 112 ft.	clay + hardpan
112 to 122 ft.	rock
122 to 325 ft.	bedrock
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: ..... Signature
DOING BUSINESS AS: J. A. Feeley & Sons, Inc. Company
DATE OF REPORT: 12/29/78 WELL DRILLERS LICENSE NO. 18

129

Missing

Dillon

WELL NUMBER

57G

(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 14 1983

WATER RESOURCE USE ONLY

W.R. 130 U.S.G.S. ____

Field Location ☐ Map area 13 D 3

Latitude ____ ° ' " Elev. ____

Longitude ____ ° ' " Topo. ____

Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐

Location map attached to WCR 129 Data in Town Files ☐

1. WELL OWNER Stephen Weston (FITZGERALD-1998)
Name Permanent Mailing Address

OR

WELL PURCHASER ____
Name Permanent Mailing Address

2. LOCATION OF WELL: TOWN Monkton SUBDIVISION ____ LOT NO. ____

3. DATE WELL WAS COMPLETED July 29 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: 235 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" ID 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 8¾ in. hole 6 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 10 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.

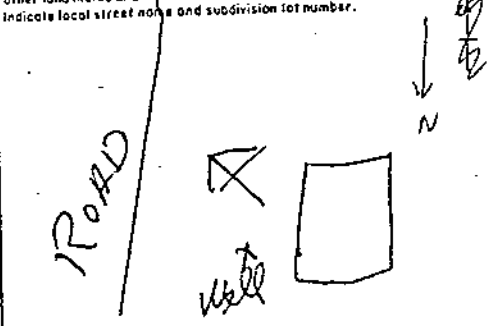
16. WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☑ No, If Yes, Where ____

17. SPECIAL NOTES: ____

18. WELL LOG

Depth from Land Surface Feet	Feet	Water Bearing	Formation Description	Sketch
Ground Surface	118		hard tan	
118	235		shale and 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
235	10

WELL DRILLED BY: James Perry

DOING BUSINESS AS: B+B artesian Well Co.
Company or Business Name

REPORT FILED BY: Peter Benedini Jr.
Authorized Signature

DATE OF REPORT: 8/1/83 WELL DRILLERS LIC. NO. 68

WELL NUMBER

84 G

(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 14 1983

Location map attached to WCR 129

WATER RESOURCE USE ONLY

W.R. 132 U.S.G.S. ____

Field Location ☐ Map area 13D3

Latitude ____ ° ' " Elev. ____

Longitude ____ ° ' " Topo. ____

Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐

Data in Town Files ☐

1. WELL OWNER Chris Burnett (Name) Permanent Mailing Address

OR

WELL PURCHASER ____ (Name) Permanent Mailing Address

2. LOCATION OF WELL: TOWN Monkton SUBDIVISION ____ LOT NO. ____

3. DATE WELL WAS COMPLETED Dec. 5-83

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: 235 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 147 ft. Length below L.S. 146 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 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 Hours at 5½ Gallons per minute ☐ Permanent Airline Installed

Measured by ☑ Bucket, ☐ Orifice pipe, ☐ Weir, ☐ Meter

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 ____

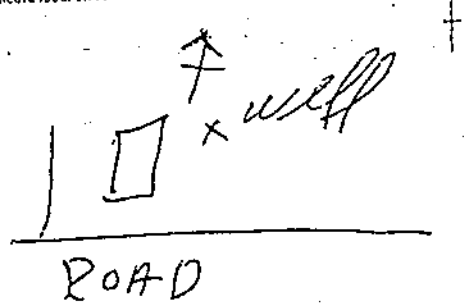
17. SPECIAL NOTES: ____

18. WELL LOG

Depth from Land Surface: Feet	Feet	Water Bearing	Formation Description	Sketch
Ground Surface	135		hard pan	
135	235		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
235	5½

WELL DRILLED BY: James Perry

DOING BUSINESS AS: B+B artesian Well Co (Company or Business Name)

REPORT FILED BY: Peter Benedini Jr. (Authorized Signature)

DATE OF REPORT: 12/8/83 WELL DRILLERS LIC. NO. 68

WELL NUMBER

5790

(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 13 1986

Location map attached to WCR 157

WATER RESOURCE USE ONLY

W.R. 156 U.S.G.S. ____

Field Location ☐ Map area 1447

Latitude ____ ° ____ ' ____ " Elev. ____

Longitude ____ ° ____ ' ____ " Topo. ____

Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐

Data in Town Files ☐ ____

1. WELL OWNER Robert Von Brown, RFD, Box 206 W. Fairlee, Vt 05647
   Name — Permanent Mailing Address

   OR

   WELL PURCHASER ____
   Name — Permanent Mailing Address

2. LOCATION OF WELL: TOWN Monkton SUBDIVISION ____ LOT NO. ____

3. DATE WELL WAS COMPLETED 7/17/85

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: 222 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 133 ft. Length below L.S. 131 ft. Dia. 6 in. Material Steel Wt. ____ 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 used: Gravel Size or Type ____

14. YIELD TEST: ☐ Bailed, ☐ Pumped, ☑ Compressed Air, for 1 Hours at 6 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	124		Hardpan	
124	132		Gray Dolmite	
132	222	✓	Light Gray	

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: H. C. Manosh

DOING BUSINESS AS: H. C. Manosh Corp
Company or Business Name

REPORT FILED BY: S. Morse
Authorized Signature

DATE OF REPORT: 7/25/85 WELL DRILLERS LIC. NO. 8

Town Garage

WELL NO. / TAG NO.

23-6-248

(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

SEP 24 1987

Location map attached to WCR ____

DEPARTMENT USE ONLY

E.C. 188 U.S.G.S. ____

Field Location ☐ Map area 14A7

Latitude ____ ° ' " Elev. ____

Longitude ____ ° ' " Topo. ____

Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐

Data in Town Files ☐ ____

1. WELL OWNER Town of Monkton (Name) Monkton VT 05469 (Permanent Mailing Address)

OR

WELL PURCHASER Frances Driscoll (Name) ____ (Permanent Mailing Address)

2. LOCATION OF WELL: TOWN Monkton SUBDIVISION ____ LOT NO. ____

3. DATE WELL WAS COMPLETED 12 NOV 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: 300' 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.

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 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 4 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 13 NOV 87, Overflows at ____ G.P.M.

16. WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☐ No, If Yes, Where ____

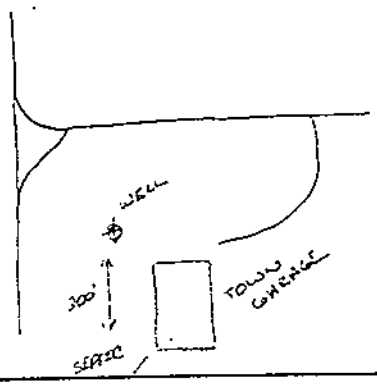
17. SPECIAL NOTES: ____

18. WELL LOG

Depth from Land Surface: Feet	Feet	Water Bearing	Formation Description	Sketch
Ground Surface	40'	NO	RED/BROWN SOIL	
40'	90'	NO	SANDY GRAY SOIL / GRAVELS	
90'	300'	YES	CLIMPSTE CHIST / QUARTS SEAMS	

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
280'	4

WELL DRILLED BY: MARK KOENIG

DOING BUSINESS AS: FROST WELL DRILLING (Company or Business Name)

REPORT FILED BY: Mark A Koenig (Authorized Signature)

DATE OF REPORT: 13 NOV 87 WELL DRILLERS LIC. NO. 22

WELL NO. / TAG NO.
23-6-329
(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

NOV 2 1988
Location map attached to WCR

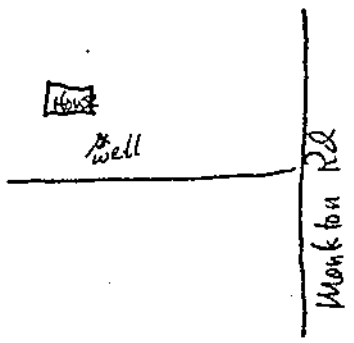
DEPARTMENT USE ONLY
E.C. 217 U.S.G.S.
Field Location ☐ Map area 13d3
Latitude ° ' " Elev.
Longitude ° ' " Topo.
Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐
Data in Town Files ☐

1. WELL OWNER Butch & Leo Dupont (Name) Monkton VT 05468 (Permanent Mailing Address)
OR
WELL PURCHASER (Name) (Permanent Mailing Address)
2. LOCATION OF WELL: TOWN Monkton SUBDIVISION LOT NO.
3. DATE WELL WAS COMPLETED Aug. 26 - 1988
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: 440 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. 79 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 1 Hours at 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: High Iron Content

18. WELL LOG

Depth from Land Surface Feet	Feet	Water Bearing	Formation Description	Sketch
Ground Surface	35	w/o	Sand, silt w/gravel	
35	400		gray-green schist w/quartz	
400	440		Monkton quartite	

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: Charles E. Rulond + Michael Frost
DOING BUSINESS AS: Frost Well Drilling (Company or Business Name)
REPORT FILED BY: Charles E. Rulond (Authorized Signature)
DATE OF REPORT: 8/27/88 WELL DRILLERS LIC. NO. 23

4-1010
(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 - 6 1989

Location map attached to WCR _____

W.R. 250 U.S.G.S. _____
Field Location ☐ Map area 13D3
Latitude ___ ° ___ ' ___ " Elev. _____
Longitude ___ ° ___ ' ___ " Topo. _____
Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐
Data in Town Files ☐

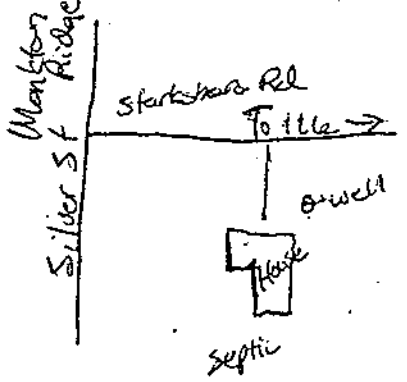
1. WELL OWNER William Van Steamburg
Name — Permanent Mailing Address
OR
WELL PURCHASER _____
Name — Permanent Mailing Address

2. LOCATION OF WELL: TOWN Manchester SUBDIVISION _____ LOT NO. _____
3. DATE WELL WAS COMPLETED 3/28/89
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: 340' 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. 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 30 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 2 Gallons per minute
Measured by ☑ Bucket, ☐ Orifice pipe, ☐ Weir, ☐ Meter ☐ Permanent Airline instal
15. STATIC WATER LEVEL: 60 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: High Iron content in water

18. WELL LOG

Depth from Land Surface Feet	Feet	Water Bearing	Formation Description	Sketch
Ground Surface	30	N	sand gravel	
30	100	y	quartz	
100	120	y	Red quartz w/ pyrite	
120	200	y	Shale w/ quartz	
200	349	y	Shale w/ large veins of	
			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
100	1/4
200	1/2
300	1
340	2

WELL DRILLED BY: Charles F. Rulland - Daniel Mitchel
DOING BUSINESS AS: Frost Well Drilling
Company or Business Name
REPORT FILED BY: Charles F. Rulland
Authorized Signature
DATE OF REPORT: 3/29/89 WELL DRILLERS LIC. NO. 23

4-1009
(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 - 6 1989

Location map attached to WCR ____

W.R. 251 U.S.G.S. ____
Field Location ☐ Map area 1303
Latitude ____ ° ' " Elev. ____
Longitude ____ ° ' " Topo. ____
Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐
Data in Town Files ☐ ____

1. WELL OWNER Bradley Bordeaux (Name) (Permanent Mailing Address)
OR
WELL PURCHASER R.D. #2, Box 3140, Bristol, Vt. 05443 (Name) (Permanent Mailing Address)

2. LOCATION OF WELL: TOWN Monkton SUBDIVISION ____ LOT NO. ____

3. DATE WELL WAS COMPLETED 3/27/89

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: 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 62 ft. Length below L.S. 60 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 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 Hours at 3 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.

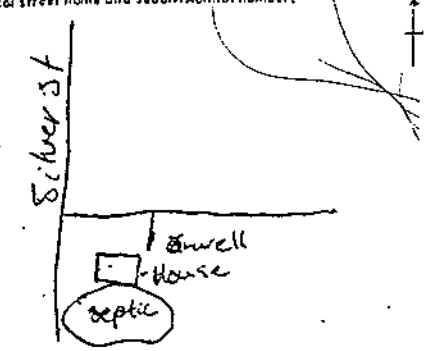
16. WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☐ No, If Yes, Where ____

17. SPECIAL NOTES: ½ gal of H_2O at 100 ft. show high Iron content

18. WELL LOG

Depth from Land Surface: Feet	Feet	Water Bearing	Formation Description	Sketch
Ground Surface	40	N	sand, gravel	
40	200	y	black shale	
200	380	y	black shale w/ quartz	
380	400	y	monkton quartzite	

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	½
300	1
400	1½

WELL DRILLED BY: Charles E. Rulland

DOING BUSINESS AS: Frostwell Drilling (Company or Business Name)

REPORT FILED BY: Charles E. Rulland (Authorized Signature)

DATE OF REPORT: 3/27/89 WELL DRILLERS LIC. NO. 23

4-10/1
(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.

DEPARTMENT OF WATER RESOURCES AND ENVIRONMENTAL ENGINEERING

WELL COMPLETION REPORT

MAY - 5 1989

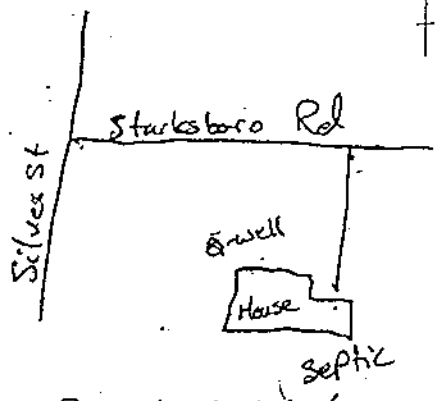
W.R. 253 U.S.G.S. ____
Field Location ☐ Map area 1303
Latitude ____ ° ' " Elev. ____
Longitude ____ ° ' " Topo. ____
Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐
Location map attached to WCR ____ Data in Town Files ☐ ____

1. WELL OWNER Janet Sullivan (Name) Permanent Mailing Address
OR
WELL PURCHASER (Name) R.F.D. , Bristol, VT 05443 (Permanent Mailing Address)
2. LOCATION OF WELL: TOWN Monkton SUBDIVISION ____ LOT NO. ____
3. DATE WELL WAS COMPLETED 3/29/89
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: 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 60 ft. Length below L.S. 58 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 15 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 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: High Iron Content

18. WELL LOG

Depth from Land Surface: Feet	Feet	Water Bearing	Formation Description	Sketch
Ground Surface	45	N	Sand, gravel	
45	120	y	quartz	
120	200	y	grey shale w/ quartz	
200	360	y	grey shale	
360	400	y	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
100	1/2
200	1/2
300	2 1/2
400	3

WELL DRILLED BY: Charles E. Rolland · Daniel Mitchell
DOING BUSINESS AS: Frost Well Drilling (Company or Business Name)
REPORT FILED BY: Charles E. Rolland (Authorized Signature)
DATE OF REPORT: 3/30/89 WELL DRILLERS LIC. NO. 23

4-1012
(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

PARENT

MAY - 5 1989

W.R. 254 U.S.G.S. ____
Field Location ☐ Map area 1303
Latitude ____ ° ' " Elev. ____
Longitude ____ ° ' " Topo. ____
Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐
Location map attached to WCR ____ Data in Town Files ☐ ____

1. WELL OWNER Allen Fisher RR 2 Box 3170 Bristol, Vt 0545
Name — Permanent Mailing Address
OR
WELL PURCHASER same
Name — Permanent Mailing Address

2. LOCATION OF WELL: TOWN Monkton SUBDIVISION ____ LOT NO. ____

3. DATE WELL WAS COMPLETED 4-3-89

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: 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 120 ft. Length below L.S. 118 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 33 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 1 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.

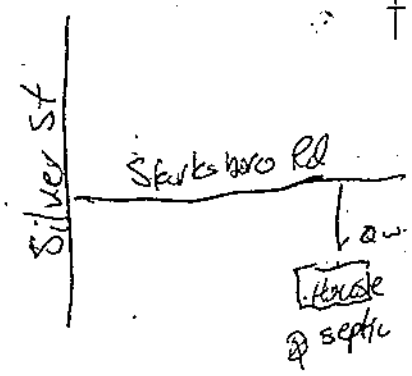
16. WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☐ No, If Yes, Where ____

17. SPECIAL NOTES: ____

18. WELL LOG

Depth from Land Surface: Feet	Feet	Water Bearing	Formation Description	Sketch
Ground Surface	85	Y	sand, gravel, silt	
85	100	N	soft crumbly, ledge (black shale)	
100	300	Y	black + grey shale	
300	400	Y	black shale w/ 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
100	1/2
200	1/2
300	1/2
380	1 gal total

WELL DRILLED BY: Charles E. Rulond + Daniel Mitchell

DOING BUSINESS AS: Frost Well Drilling
Company or Business Name

REPORT FILED BY: Charles E. Rulond
Authorized Signature

DATE OF REPORT: 3-5-89 WELL DRILLERS LIC. NO. 23

TC/Library

WELL NO. / TAG NO.

8-279

(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

NOV - 1 1991

Location map attached to WCR ____

DEPARTMENT USE ONLY

E.C. 294 U.S.G.S. ____

Field Location ☐ Map area 13D3

Latitude ____ ° ' " Elev. ____

Longitude ____ ° ' " Topo. ____

Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐

Data in Town Files ☐ ____

1. WELL OWNER TOWN OF MONKTON (Name) (Permanent Mailing Address)
OR
WELL PURCHASER FRANCIS DRISCOLL RFD N. FERRISBURG, VT 05473 (Name) (Permanent Mailing Address)

2. LOCATION OF WELL: TOWN MONKTON SUBDIVISION ____ LOT NO. ____

3. DATE WELL WAS COMPLETED 10/23/91

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: 260' 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 240' ft Diameter 4" in. Material PVC Weight SCH-40 lb./ft

12. METHOD OF SEALING CASING TO BEDROCK: ☒ Drive Shoe, ☒ Grout - Type PORTLAND II, Drilled 3 3/4 in. hole 6' 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: 50' feet below land surface, Date or Time measured 10/23/91, Overflows at ____ G.P.M.

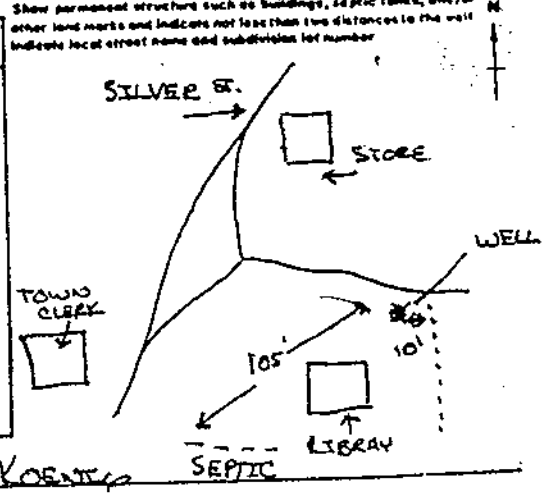
16. WATER ANALYSIS: Has the water been analyzed? ☐ Yes ☒ No, If Yes, Where ____

17. SPECIAL NOTES: WELL WAS SLEEVED WITH 4" SCH.40 PVC WITH A JASWELL SEAL SET AT 180' AND A BENTONITE SEAL

18. WELL LOG

Depth from Land Surface: Feet	Feet	Water Bearing	Formation Description	Sketch
Ground Surface	4'	NO	BRN. CLAY	
4'	30'	NO	BRN. CLAY / BOULDERS	
30'	120'	NO	GREY CLAY / GRAVELS - (HARD PAN)	
120'	130'	NO	DECOMPOSED ROCK (SOFT)	
130'	260'	YES	GREY SHEST VERY SOFT AND	
			FRACTURED	

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'	1/2
170'	8
240'	20

WELL DRILLED BY: MARK KOSITCH

DOING BUSINESS AS: FROST INC. (Company or Business Name)

REPORT FILED BY: [signature] (Authorized Signature)

DATE OF REPORT: 10/23/91 WELL DRILLERS LIC. NO. 23

WELL NO. / TAG NO. 494
(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

JAN 5 1994
Location map attached to WCR ____ Data in Town Files ☐ ____

DEPARTMENT USE ONLY
E.C. 340 U.S.G.S. ____
Field Location ☐ Map area 1447
Latitude ____ ° ' " Elev. ____
Longitude ____ ° ' " Topo. ____
Scale: 62,500 ☐, 25,000 ☐, 24,000 ☐

1. WELL OWNER (Name / Permanent Mailing Address)
OR
WELL PURCHASER Russ Barone 1476 South Rd. Williston VT (Name / Permanent Mailing Address)
2. LOCATION OF WELL: TOWN Monkton SUBDIVISION ____ LOT NO. ____
3. DATE WELL WAS COMPLETED 9/9/93
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: 300 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 120 ft. Length below L.S. 118½ 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 9 in. hole 108 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 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 ____, 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	12		HARDPAN	
12	100		Fractured + Rotten Ledge	
100	300		Blue + White 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.

OVER

20. TESTED YIELD
If the yield was tested at different depths during drilling, fill below.

Feet	Gallons Per Minute

WELL DRILLED BY: SPAFFORD & SONS OF WILLISTON, VT, II
RD#1, RT. 30, BOX 1290
SUDBURY, VERMONT 05733
DOING BUSINESS AS: ____ (Company or Business Name)
REPORT FILED BY: [signature] (Authorized Signature)
DATE OF REPORT: 12/27/93 WELL DRILLERS LIC. NO. 198

WELL NUMBER

16,23

(For Driller's Use)

1303

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.)

JAN 15 1979

DO NOT FILL IN

#69

WELL OWNER: Neil Day (Name) RD 1 Box 70A Hinesburg, Vt. (Mailing Address)

TOWN IN WHICH WELL IS LOCATED: Monkton

(Please locate well on a large scale map to accompany this report. Maps are available on request.)

DATE WELL WAS COMPLETED: ~~[illegible]~~ 12/6/78

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: 33 STATIC WATER

CASING DETAILS: Length 35 ft. Diameter 6 in. Material Steel
Weight lb./ft.

SCREEN DETAILS: Make Material Length ft.
Diameter in. Slot Size

METHOD OF SEALING CASING TO SCREEN OR BEDROCK: Butler Torsion Well Seal

FINAL YIELD TEST: ☐ Bailed, or ☐ Pumped, or ☑ Compressed Air
1 Hours at 1/2 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 21 ft.	Hardpan
21 to ~~27~~ 33 ft.	Gray
to ft.	
to ft.	

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

G.P.M. @ 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: H. A. Manosh (Signature)

DOING BUSINESS AS: H. A. Manosh Corp. (Company)

DATE OF REPORT: 12/15/78 WELL DRILLERS LICENSE NO. 8

5M 6-76

WELL NUMBER
281
(For Driller's Use)

13D3

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.)

JUL 8 1977

DO NOT FILL IN
#49

WELL OWNER Robert Cota (Name) RFD Hinesburg, Vt. (Mailing Address)

TOWN IN WHICH WELL IS LOCATED: Monkton ~~Ridge, Vt.~~ (Please locate well on a large scale map to accompany this report. Maps are available on request.)

DATE WELL WAS COMPLETED: 6/3/77

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: 148 STATIC WATER

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: Butler Larkin Well Seal

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; 27 ft. to 134 ft. gray granite.

Surface to 79 ft. packed gravel
79 to 135 ft. shale
135 to 148 ft. brown ledge
to ft.

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

G.P.M. @ 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: H. A. Manosh (Signature)

DOING BUSINESS AS: H. A. Manosh Corp. (Company)

DATE OF REPORT: JUN 8 1977 WELL DRILLERS LICENSE NO. 8

5M 6-76

1303 #70
126-013

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. 44-1525
Other No. 73.07.20

WELL OWNER: Mrs Agnes Day (Name) — Monkton Vt (Mailing Address)

WELL DRILLER: J.H. Feeley & Sons Inc. (Name) — Highgate Ctr 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: 42 Feet	☐ Bailed or ☐ Pumped or ☑ Compressed Air	Hours	Static: 80 Feet	Make:
Diameter: 6 Inches		GPM	During Yield Test: Feet	Material:
Kind: steel			DRILLING EQUIPMENT: ☐ Cable Tool ☐ Rotary ☑ Air Percussion ☐ Other (specify)	Slot Size Length: Ft.
Weight: 19.45 lbs/p/ft				Diameter: In.
☑ New ☐ Used	Yield: 10 GPM			

TOTAL DEPTH OF WELL 300 FEET

TOWN WELL IS LOCATED IN: Monkton
(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 38 ft.	sand & gravel
38 ft. to 300 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?

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

Date Well was Completed 4/28/71

Date of Report 5/25/71

Water Well Driller's License No. 18

Well Driller (signature) J.H. Feeley & Sons Inc
J.H. Feeley