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Mark
Please review and draft a response for my signature by Friday
Thanks
11/9/04

November 5, 2004

Mr. Gerald Rider
Operation & Maintenance Section
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, New York 12233-7014

RE: Vatrano Road Annual Monitoring Report
CHA Project No. 7899.1000.1102

Dear Mr. Rider:

Enclosed is a copy of the 2004 Annual Groundwater Monitoring Report for the Vatrano Road Site.

Please notice in the Recommendations Section that, on behalf of General Electric Company, CHA requests that wells MW-1 and MW-8 be removed from the monitoring program. CHA is of the opinion that this is warranted since data collected to date indicates that samples from these wells have been non-detect for at least five sampling rounds. We request that NYSDEC respond to this recommendation in writing by 28 February 2005 so that the change can be incorporated into the March 2005 sampling round.

Please do not hesitate to contact Dawn Varacchi-Ives of GE at (508) 836-6728 or the undersigned if you have any questions or would like further information.

Very truly yours,

CLOUGH, HARBOUR & ASSOCIATES LLP

Keith Ziobron
Associate

KZ/jeh
Cc. Eric Hamilton, DEC w/ enclosure
Cc. Dawn Varacchi, GE w/ enclosure

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1.0 INTRODUCTION

This is the fourth Annual Monitoring Report, following three previous Annual Reports and two series of Semi-Annual Reports, for the former General Electric Vatrano Road Service Center. The 2003 report was scheduled to be the final Annual Monitoring Report; however, due to detection of PCBs and VOCs in some of the monitoring wells, an additional round of annual monitoring was conducted to further evaluate PCB and VOC concentrations at the site. This report has been prepared and the associated monitoring performed by Clough, Harbour, & Associates LLP (CHA), Albany, New York.

In keeping with the reporting requirements outlined in the December 1998 *Operations, Maintenance and Monitoring Plan,* sampling was to be conducted on a semi-annual basis beginning in October of 1998 and continuing for two years, and on an annual basis beginning in 2001 and continuing for three years. The plan was approved by the New York State Department of Environmental Conservation (NYSDEC) in a letter dated February 1, 1999. As part of this report a review of the data collected since the remediation took place has been conducted to determine what, if any, further actions are necessary.

The location of the subject site is illustrated by Figure 1. A site plan, which illustrates the portion of the property that was remediated in the fall of 1997 and the groundwater monitoring network, is provided as Figure 2.

The purpose of this report is to describe the laboratory results for the groundwater samples collected from the site's groundwater monitoring wells during the April 2004 annual sampling event, as well as to discuss the data that has been collected since active remediation of the site was completed.

This report consists of the following sections. Section 1.0 is this Introduction. Section 2.0 is a site description, which gives a brief history of the site, subsurface geologic and hydrogeologic conditions, outline of the monitoring well network, and pre-remediation groundwater sampling. Section 3.0

discusses the current April 2004 sampling event conditions and procedures, and the laboratory data. Section 4.0 is the Summary of the findings of the current sampling event as well as all of the post-remediation sampling events. Finally Section 5.0 presents CHA's recommendations for the site.

Copies of this report have been forwarded to the following:

Mr. Gerald J. Rider
Operation & Maintenance Section
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, New York 12233-7014

and

Mr. Eric Hamilton
RHWRE
NYS Department of Environmental Conservation-Region 4
1150 N. Westcott Road
Schenectady, New York 12306

and

Dawn Varacchi-Ives
General Electric, EHS
Suite 100
1400 Computer Drive
Westborough, MA 01581

2.0 SITE DESCRIPTION

As illustrated by Figures 1 and 2, the subject site is located on Vatrano Road in the City of Albany, New York, just east of Central Avenue near the Town of Colonie border. A series of railroad tracks owned and operated by Consolidated Rail forms the southern boundary of the site, with Interstate 90 located further to the south. The site consists of a vacant lot within the Vatrano Commercial Park, and is less than two acres in size. During the spring of 1998, a chain link fence was placed near the rear of the site. The area in front of this fence was paved with asphalt and is currently used as a parking lot. The surrounding area is occupied by commercial and light industrial facilities, with the nearest residential properties located immediately to the north of the Vatrano Road Commercial Park.

2.1 HISTORY

From 1956 through 1981, the General Electric Company leased what is now known as 14 Vatrano Road, the structure immediately to the west of the subject site. This facility was used as an apparatus repair shop by General Electric, where electric motors and transformers containing polychlorinated biphenyls (PCBs) were serviced.

The results of a series of preliminary investigations indicated that the subject site's soils were contaminated with PCBs. As a result, the NYSDEC identified the property as an inactive hazardous waste disposal site that constituted a significant threat to the environment. In 1990, the NYSDEC and General Electric entered into an order on consent, which required General Electric to conduct a Remedial Investigation/Feasibility Study (RI/FS) for the site. This study identified the nature and extent of the contamination on the property, and identified and evaluated remedial alternatives that General Electric could use to meet the goal of the remedial program. The objective of the remedial program was to restore the site to predisposal conditions, to the extent feasible, and authorized by law, while eliminating or mitigating all significant threats to public health and the environment.

In early 1997, the property owner asked General Electric to expedite the remediation of the site. General Electric reevaluated the stabilization/solidification remedy and the contingent remedy (the excavation and off-site disposal of contaminated soils) and found that remediation could be completed in 1997 if the contingent remedy (excavation with off-site disposal) was chosen. Since both the selected remedy and the contingent remedy would achieve the cited remedial objective, the NYSDEC approved the implementation of the contingent remedy.

From October through December of 1997, the site was remediated by Four Seasons Environmental under the supervision of Clough, Harbour and Associates, LLP (CHA). A full description of the remediation can be found in the December 1998, *Remediation Engineering Certification Report*, also prepared by CHA.

2.2 REGIONAL GEOLOGY & HYDROGEOLOGY

The geology of the region consists of Ordovician age bedrock overlain by unconsolidated glacial till and outwash deposits and/or glacial lake deposits. The Ordovician bedrock is comprised predominantly of dark-gray to black argillaceous shales with occasional layers of limestone and localized chert.

Overlying the bedrock are glacial tills, glacial outwash deposits, and lacustrine (lake) deposits. The tills are comprised of poorly sorted fine to coarse grain sized materials and are generally found in lateral moraines which were deposited by advancing glaciers along the sides of the valleys. The outwash deposits are clean, well sorted sands and gravels found generally throughout the valley floor, having been deposited by streams originating from the melting glaciers during glacier retreats. The lacustrine deposits are comprised of silts and clays deposited in lakes formed during the temporary halts in advancements or retreats of the glaciers and are locally known as the Lake Albany Deposits. The glacial deposits are reportedly up to three hundred and fifty feet thick in some areas. All of the glacial deposits are discontinuous laterally and vary in thickness throughout, thereby producing a complex geologic and hydrogeologic setting.

The regional hydrogeologic feature controlling this area is the Hudson River, which is located approximately four miles east of the site.

2.3 SITE SOILS & HYDROGEOLOGY

Borings advanced on site encountered two to ten feet of ash and cinder fill over natural soil. The fill contained wood, brick, cinder blocks, asphalt and metal debris in sand, silt, cinders and ash. Natural soil underlying the fill and debris consists of approximately ten feet of silty sand, with 30 feet of clayey silt below the silty sand. Depth to bedrock is unknown.

The Patroon Creek flows easterly and passes the site approximately 200 feet to the south. This feature exerts local hydrologic control over the site's groundwater flow direction, with groundwater flowing to the south toward the Patroon Creek.

The New York State Bedrock Geologic Map shows the site is underlain with the Ordovician Normanskill Formation which has a relatively low permeability resulting in significantly lower water production rates than those associated with the glacial deposits. Permeability within the bedrock is directly related to the extent of fracturing and joints within the rock. Moderate levels of groundwater production may occur in portions of the bedrock where jointing and fracturing are significant, as random beds of limestone within the bedrock have been known to yield significant quantities of water. The extent of bedrock joints and fracturing beneath the Vatrano Road site has not been determined.

2.4 MONITORING WELL NETWORK

There are nine groundwater-monitoring wells associated with the Vatrano Road site monitoring network. Wells MW-6, 7 and 8 are located off-site just to the north of Patroon Creek. The remaining wells (MW- 1,2,3,4,5 & 9) are located on the site. During the remediation of the site conducted in October, November, and December of 1997, the six on-site groundwater monitoring wells (MW-1

through MW-5 and MW-9) were removed and replaced with six new wells. The current locations of the wells are illustrated by Figure 2. The new wells were installed in similar locations and to similar depths as the original wells; however, some changes were made based on contamination discovered during the remediation. Well data and groundwater elevations from the last nine monitoring events (April 1998, October 1998, April 1999, October 1999, April 2000, March 2001, March 2002, March 2003 and April 2004) are presented in Table 1.

2.5 SITE GROUNDWATER FLOW AND AQUIFER CHARACTERISTICS

Based on the latest water level measurements, groundwater flow is determined to be to the south towards Patroon Creek. The hydraulic gradient across the northern portion of the site for the April 2004 monitoring event is calculated at approximately 0.02 feet per foot. The gradient steepens to 0.05 feet per foot at the southern end of the site, reflecting the influence of Patroon Creek and the local topography. This data indicates that the shallow overburden aquifer likely discharges to Patroon Creek. Figure 3 shows the groundwater contours based on the water levels measured on April 27, 2004 in the wells installed within the shallow aquifer. Well MW-9 is installed deeper in the aquifer; therefore, the water levels from monitoring well MW-9 were not used in developing the groundwater contour lines. When compared to adjacent monitoring wells that are installed in the shallow aquifer, historical water level data from MW-9 has indicated a vertically downward component of flow. Although soil boring data at the time monitoring well MW-9 was installed did not necessarily indicate the presence of a confining layer, the difference in water level could be evidence that the water bearing zone or aquifer monitored by MW-9 is confined.

2.6 PRE-REMEDIATION GROUNDWATER SAMPLING

Two partial rounds of groundwater sampling were conducted by CHA during the summer of 1997 prior to the start of remediation. During a July 8th 1997 sampling event, groundwater-monitoring wells MW-2, MW-3 and MW-9 were sampled. These wells are located in an area where previous investigations indicated the presence of tetrachloroethene. The wells were analyzed for purgeable

halocarbons by EPA Method 601, as well as for Polychlorinated Biphenyls (PCBs) by EPA Method 8080.

On July 10 and 11, 1997 groundwater samples were collected from monitoring wells MW-2, MW-7, MW-8 and MW-9. In addition, surface water samples from Patroon Creek were collected upstream and downstream of the site (Sample Numbers SW-1 and SW-2, respectively). The samples were analyzed for PCBs via EPA method 8080, volatile organics via EPA Method 624, and semi-volatile organics via EPA method 625. The PCB analyses performed on the samples were completed on both unfiltered and filtered duplicate samples (0.45 micron glass) to determine if PCBs were present in the dissolved state or if they were associated with the sediment in the sample. The results of the filtered versus unfiltered data clearly showed that the PCBs were not dissolved in the groundwater. The only organic compound detected during this event was tetrachloroethene at 20 ppb in the sample from well MW-2. Table 2 summarizes the results of all groundwater sampling rounds.

2.7 POST-REMEDIATION GROUNDWATER QUALITY CHARACTERIZATION

In April of 1998, a qualified Clough Harbour Scientist sampled the six on-site and three off-site wells for the purpose of establishing baseline post-remediation groundwater quality. The samples from this post-remediation sampling event were analyzed for the U.S. EPA Target Compound List of chemicals including total cyanide. Again, Table 2 includes the summary of results for this sampling event. The results of this baseline post-remediation sampling event are discussed in the December, 1998 *Operations, Maintenance, and Monitoring Plan.*

3.0 APRIL 2004 SAMPLING EVENT

On April 27 and 28, 2004 a team of qualified CHA scientists measured groundwater levels and collected groundwater samples from all nine groundwater monitoring wells. The procedures used as well as the current site conditions are described in the following sections.

3.1 CURRENT SITE CONDITIONS

Prior to collecting groundwater samples, an overall site inspection was completed. Photographs taken during this site inspection are included as Appendix E.

Access to monitoring wells MW-5, MW-4, MW-3, MW-2 and MW-9 is gained through a gate located at the extreme eastern end of the Vatrano Road Complex of buildings. At the time of the April 2004 sampling event a large pile of construction and demolition type debris was placed directly inside this gate preventing vehicle access to the fore mentioned monitoring wells located on the northern side of the rail road tracks (Refer to Photograph No. 1).

The parking area between Buildings 14 and 16 is paved with asphalt. Monitoring MW-1 is located at the northern corner of this paved area. It was observed during this sampling event, that one of the two concrete-filled protective steel bollards on either side of MW-1 had been damaged by a vehicle and was bent towards the ground. However, CHA determined that MW-1 was not damaged and remains in good condition (Refer to Photograph No. 2). The condition of the damaged bollard will be reevaluated during the next sampling event, at which time a determination will be made regarding the need to replace the bollard.

There is also a six foot high chain link fence that runs from the southeast corner of Building 14 to the southwest corner of Building 16. During the April 2004 sampling event, it was observed that a large section of this fence had been dislodged from the post supports and was on the ground on the rail road side of the fence (Refer to Photographs Nos. 3 and 4). It is likely that this damage was the

result of plowing of the parking area during this past winter.

All on-site monitoring wells were in good condition and locked at the time of this sampling event (Refer to Photographs Nos. 5 through 9).

The unpaved area located south of Buildings 14 and 16 was generally in good condition. There was no evidence of significant erosion noted at the time of this sampling event.

3.2 PROCEDURES

A photoioniozation detector (PID) was utilized to check the headspace of each well for organic vapors immediately upon opening each well cap. Monitoring wells MW-1 (61.5 ppm) and MW-9 (265 ppm) registered relatively high levels of organic vapors while MW-2 (16.7 ppm), MW-3 (2.8 ppm), MW-4 (7.4 ppm), MW-6 (1.1 ppm) and MW-7 (3.4 ppm) indicated that lower levels of organic vapors were present. These levels were uncharacteristic for the site, since no organic vapors had ever been detected in the head spaces of the wells on any of the previous sampling events. On May 6, 2004, CHA returned to the site, after thoroughly cleaning and recalibrating the PID instrument and rechecked the head space of each well head for the presence of organic vapors. During this event, there were no organic vapors detected in the head spaces of any of the nine monitoring wells. Therefore, it is likely that the organic vapors observed during the April 27, 2004 site visit were due to equipment malfunction. The observed organic vapor levels are recorded on the field sampling logs included as Appendix C.

Prior to sampling, the water level in each well was measured to the nearest one hundredth of a foot using an electronic water level meter. The water level meter was thoroughly decontaminated between monitoring wells using accepted protocols. This data was used to develop the groundwater piezometric map presented as Figure 3.

Dedicated plastic Waterra tubing and footvalves are installed in monitoring wells MW-1, MW-8, and

MW-9. The use of dedicated tubing prevents cross contamination. During the April 2004 sampling event, approximately 53 lineal feet of dedicated tubing was replaced in MW-9 due to a damaged section of the tubing near the surface of the well. The plastic foot valve at the bottom of this tubing was also replaced due to it containing a large amount of silt which prevented adequate water extraction. Disposable plastic bailers are used in the remaining six wells. Purge water from the wells on site was placed in two properly labeled drums and removed and properly disposed of by Clean Harbors Environmental Services, Inc. of Glenmont, New York. A copy of the manifest for the disposal of the purge water is included as Appendix B. A photograph of the drums containing the purged water from the wells (Photograph No. 10) is included in Appendix E.

Approximately three well volumes of water were purged from each well prior to sampling. Field parameters such as turbidity, temperature, pH, conductivity and Eh were measured to determine well stabilization. These parameters were recorded on the field sampling logs included as Appendix C. For QA/QC purposes, a blind duplicate sample (MW-10), and a trip blanks were submitted for analysis. The duplicate sample was collected from monitoring well MW-5.

Due to elevated turbidity levels at the time of sample collection during this monitoring event, a portion of the sample collected from wells MW-1, MW-3, MW-4, MW-5, MW-6, MW-8, and MW-9 were filtered in the field using a 0.45 μm filter and submitted to the laboratory for both total and dissolved metals analyses. During previous sampling events, filtered metals samples were sent to the lab and the results indicated that the metals were bound to the soil particles and not dissolved in the groundwater. As per the Operations and Maintenance Plan for Vatrano Road, filtered groundwater samples are collected for mercury and lead analysis whenever the turbidity of the groundwater is greater than 50 NTUs.

The samples were labeled, stored in a cooler with ice to maintain proper temperature, and were delivered to Adirondack Environmental Services of Albany, NY with the appropriate chain of custody documents (Appendix D).

3.3 LABORATORY ANALYSIS AND QUALITY CONTROL

Each groundwater sample was analyzed for the presence of volatile organics via EPA Method 8260, PCBs via EPA Method 608, lead via EPA Method 200.7, and Mercury via EPA Method 245.1.

Analytical procedures were performed by Adirondack Environmental Services of Albany, NY, which holds current NYSDEC certifications to perform the required analyses as per the New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP). All analytical QA/QC and laboratory procedures were consistent with the conditions contained in EPA SW-846.

3.4 LABORATORY ANALYSIS DISCUSSION

3.41 Groundwater Data

A summary of the groundwater quality data (detected parameters only) is presented in Table 2, where it is compared to data generated from previous monitoring events and to applicable standards. Shaded values indicate a concentration greater than the New York State Groundwater Standards (6NYCRR 703). The complete data package from the April 2004 sampling event is included as Appendix A. Copies of the chains of custody are included as Appendix D.

As illustrated by Table 2, during this event, PCBs were detected in wells MW-2 and MW-5. PCBs were also detected in the MW-10 sample; however, it should be noted that the MW-10 sample was collected as a duplicate to well MW-5. The average concentration of PCBs after the remediation (April 98-April 04) in well MW-2 (0.95 ug/l) is significantly less than the average before the remediation (August 91-July 97) (4.2 ug/l). Well MW-5 exhibited no pre-remediation concentrations of PCBs and, after an initial spike of 17 ug/l in April 1998, it decreased to a concentration of 0.57 ug/l in April 2000. Since that time, the PCB levels increased and then decreased (1.4 ug/l and 0.7 ug/l) during the March 2001 and 2002 sampling events. However, during

the last two sampling events, increasing concentrations of PCBs in the samples from well MW-5 have been identified. PCB concentrations during the March 2003 sampling event were 6.27 ug/l, while the PCB level for the April 2004 sampling event was 12.3 ug/l. Although the April 2004 level is not as elevated as the initial post-remediation spike value of 17 ug/l, it is noted to be greater than those of previous sampling events.

Total lead was detected in samples taken from wells MW-4, MW-5 and MW-6 at concentrations of 21 ug/l, 7 ug/l and 9 ug/l, respectively. However, the detected levels of lead in all three wells were below the groundwater standard guidance value of 25 ug/l and the filtered groundwater samples from all three wells contained concentrations less than the method detection levels, thereby indicating that lead is bound with the sediment found in these samples and not dissolved in the water. Lead was not detected in samples from any of the other monitoring wells during this sampling event. Overall, a decreasing trend has been noted relative to the concentration of lead since post-remediation sampling was first initiated in October 1998. However, lead has not been detected in MW-5 or MW-6 since March 2001. Total and dissolved mercury have not been detected in samples from any of the monitoring wells since October 1999.

Relative to current and historic VOC levels on-site, MW-2 remains the monitoring well most impacted by VOCs. During the April 2004 sampling event, concentrations of trichloroethene (37 ug/l), tetrachloroethene (160 ug/l), and 1,2-dichloroethene (120 ug/l) were detected in the sample collected from this well. These levels exceed the established standards of 5 ug/l for each of these parameters. These parameters all indicate increases in concentrations over those of March 2003. However, as of 2004, there has been an overall trend of decreasing concentrations relative to the October 1998 monitoring event.

Concentrations of 1,2-dichloroethene were detected in monitoring wells MW-3, MW-4 and MW-7. Samples from MW-3 and MW-7 were found to contain 9.5 ug/l and 12 ug/l of 1,2-dichloroethene respectively. Both of these values increased relative to the March 2003 monitoring event and were historical high concentration levels for these wells. The sample from monitoring well MW-4 was

found to have a concentration level of 9.1 ug/l of 1,2-dichloroethene. This concentration level was also an increase over the previous year, in which 1,2-dichloroethene was not detected, and is the second highest historical value for this parameter for this well. The current levels of 1,2-dichloroethene in all three wells, MW-3, MW-4 and MW-7, are in excess of the groundwater standard guidance value of 5.0 ug/l.

Tetrachloroethene was detected in the sample from well MW-7 at a concentration of 5.3 ug/l. The level was less than that detected during the March 2003 sampling event (6.2 ug/l). This parameter was detected only three times before over the course of the monitoring program.

3.42 QA/QC Data

A review of the available QA/QC data indicates that the quality of the analytical results is acceptable. The laboratory data package did not contain any qualified data including estimated (J values) or rejected (R values) data. There were no parameters detected above the specified method detection limits in the trip blank sample. The results from the field duplicate (sample MW-10) are comparable with the primary sample collected from monitoring well MW-5.

4.0 SUMMARY

The site was observed to be in overall good condition during the sampling event with the exceptions of the debris pile located within the entrance to the gate located at the extreme eastern end of the site and the downed portion of the chain link fence located at the southern end of the paved parking area between Buildings 14 and 16. Each of the monitoring wells associated with the site were locked and were not damaged at the time of the April 2004 monitoring event.

The laboratory results for the groundwater samples collected from the monitoring well network associated with the site in April 2004 indicate that PCBs were detected in two (MW-2 and MW-5) of the nine monitoring wells. The concentrations remain above standards in samples from these two wells.

The VOC levels detected in the groundwater samples in well MW-2 exhibited an increase relative to the March 2003 levels, and the VOC parameters detected continue to remain above standards. An overall decreasing trend in VOC concentration is evident when results are compared to the October 1998 sampling event for this well.

MW-3, MW-4 and MW-7 samples were found to contain levels of 1,2-dichloroethene above the guidance standards. Concentration levels for MW-3 and MW-7 were at historical highs for 1,2-dichloroethene, while the level observed in MW-4 was the second highest recorded value. The MW-7 sample was also found to contain tetrachloroethene at a concentration above standards at 5.3 ug/l.

Total mercury was not found in any of the nine monitoring wells, and dissolved lead concentrations were not detected in excess of method detection limits. Total lead was detected in samples from MW-4, MW-5 and MW-6 at 21 ug/l, 7 ug/l and 9 ug/l respectively; however, filtered samples from these wells show no dissolved lead present. Therefore, the lead present is associated with the solids suspended in the groundwater and is not dissolved in the water.

5.0 RECOMMENDATIONS

The March 2003 Annual Monitoring event was scheduled to be third, and final, of three annual monitoring events for the site as specified by the March 1998 Post-closure Monitoring and Maintenance Operations Manual. However, due to levels of PCBs and VOCs detected in some of the monitoring wells during the 2003 sampling event, CHA recommended that the annual monitoring program continue for an additional year so that any increase or decrease to changes in PCB and VOC concentrations may be observed. As a result of this recommendation, the annual monitoring program was extended for an additional year and the results of the April 2004 sampling event have been discussed in this report.

As with the 2003 monitoring data, the 2004 monitoring results continue to indicate variable PCB and VOC levels at concentrations above standards. As a result, CHA recommends that the annual monitoring program continue for one additional year so that this potential trend may continue to be observed.

CHA also recommends that measures be taken to lower the turbidity levels in the samples collected for PCB analysis. To accomplish this, it is proposed that future samples be collected via low flow sampling methods. In the 2003 Annual Groundwater Monitoring Report, CHA proposed to collect samples during the 2004 sampling event via low flow methods, however due to an oversight, standard sampling techniques were utilized.

Finally, given that the data collected to date indicates that samples from monitoring wells MW-1 and MW-8 have been non-detect for at least five rounds, CHA is of the opinion that sufficient data exists to warrant the elimination of wells MW-1 and MW-8 from the monitoring program. However, CHA recommends that water levels continue to be measured from these wells during future monitoring events in order to continue to evaluate hydraulic gradients and groundwater flow direction conditions.

TABLES

TABLE 1

GROUNDWATER MONITORING WELL DATA & WATER ELEVATIONS

For the Vatrano Road Site, Albany, NY

WELL #	Ground Elevation (ft MSL)	Elevation of Screened Interval (ft MSL)	PVC Stickup from ground (ft)	4/13/1998 Water Elev. (ft MSL)	10/28/1998 Water Elev. (ft MSL)	4/7/1999 Water Elev. (ft MSL)	10/25/1999 Water Elev. (ft MSL)	4/5/2000 Water Elev. (ft MSL)	3/23/2001 Water Elev. (ft MSL)	3/21/2002 Water Elev. (ft MSL)	3/19/2003 Water Elev. (ft MSL)	4/27/2004 Water Elev. (ft MSL)
MW-1	215.23	200.23-210.23	2.42	210.21	209.17	210.15	210.00	209.69	210.71	209.81	210.54	210.53
MW-2	216.20	198.70-208.70	2.65	207.91	206.87	207.98	208.10	208.69	208.73	207.47	208.23	208.58
MW-3	215.53	198.03-208.03	2.24	207.85	206.57	207.93	208.00	208.59	208.61	207.36	208.12	208.45
MW-4	214.58	198.08-208.08	2.46	207.79	206.82	207.86	207.93	208.53	208.54	207.26	208.07	208.37
MW-5	214.54	197.54-207.54	2.46	207.64	206.78	207.72	207.79	208.39	208.46	207.20	207.90	208.20
MW-6	201.86	186.86-196.86	2.27	200.22	198.43	200.77	200.38	201.01	201.15	198.72	201.28	201.18
MW-7	204.03	189.03-199.03	1.83	201.56	200.86	201.14	202.15	202.63	202.81	202.50	202.81	202.78
MW-8	206.29	191.29-201.29	1.80	202.61	201.89	202.63	202.69	203.05	203.44	204.77	203.44	203.38
MW-9	215.95	164.95-169.95	1.33	205.08	204.48	205.14	205.08	205.44	205.39	204.67	205.20	205.48

TABLE 2
GROUNDWATER ANALYSIS SUMMARY TABLE
For the Vatrano Road Site, Albany, NY

Parameter (ug/l) [*]	WELL NUMBER									
Date Sampled	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10**
Total PCB's [0.09]										
Aug-91	ND	5.18	1.2	ND	ND	ND	ND	ND	ND	ND
Jul-97	NA	3.19	0.68	NA	NA	NA	ND	ND	ND	ND
Apr-98	ND	0.383	ND	ND	17	ND	ND	ND	ND	ND
Oct-98	ND	0.9J	ND	ND	1.2	ND	ND	ND	ND	ND
Apr-99	ND	1.39	ND	ND	4.8	ND	ND	ND	ND	ND
Oct-99	ND	0.85	ND	ND	2.0	ND	ND	ND	ND	ND
Apr-00	ND	0.61	ND	ND	0.57	ND	ND	ND	ND	ND
Mar-01	ND	1.01	ND	ND	1.4	ND	ND	ND	ND	ND
Mar-02	ND	1.24	ND	ND	0.7	ND	ND	ND	ND	0.22
Mar-03	ND	1.82	ND	ND	6.27	ND	ND	ND	ND	10.30
Apr-04	ND	0.91	ND	ND	12.3	ND	ND	ND	ND	12.2
Trichloroethene [5]										
Aug-91	ND	24	ND	ND	ND	ND	ND	ND	ND	ND
Jul-97	NA	ND	ND	NA	NA	NA	ND	ND	ND	ND
Apr-98	ND	25	ND	ND	ND	ND	ND	ND	ND	ND
Oct-98	ND	89	ND	ND	ND	ND	3J	ND	ND	ND
Apr-99	ND	47	ND	ND	ND	ND	ND	ND	ND	ND
Oct-99	ND	36	ND	ND	ND	ND	2J	ND	ND	ND
Apr-00	ND	22	ND	ND	ND	ND	ND	ND	ND	ND
Mar-01	ND	17	ND	ND	ND	ND	ND	ND	ND	ND
Mar-02	ND	37	ND	ND	ND	ND	ND	ND	ND	ND
Mar-03	ND	20	ND	ND	ND	ND	ND	ND	ND	ND
Apr-04	ND	37	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene [5]										
Aug-91	ND	56	ND	ND	ND	ND	ND	ND	ND	ND
Jul-97	NA	20	ND	NA	NA	NA	ND	ND	ND	ND
Apr-98	ND	270	ND	ND	ND	ND	ND	ND	ND	ND
Oct-98	ND	460	ND	ND	ND	ND	3J	ND	ND	ND
Apr-99	ND	160	ND	ND	ND	ND	ND	ND	ND	ND
Oct-99	ND	150	ND	ND	ND	ND	ND	ND	ND	ND
Apr-00	ND	120	ND	ND	ND	ND	ND	ND	ND	ND
Mar-01	ND	140	ND	ND	ND	ND	5	ND	ND	ND
Mar-02	ND	220	ND	ND	ND	ND	ND	ND	ND	ND
Mar-03	ND	110	ND	ND	ND	ND	6.2	ND	ND	ND
Apr-04	ND	160	ND	ND	ND	ND	5.3	ND	ND	ND
1,2 Dichloroethene [5]										
Aug-91	ND	74	4J	7	ND	ND	2J	ND	ND	ND
Jul-97	NA	ND	ND	NA	NA	NA	ND	ND	ND	ND
Apr-98	ND	78	ND	ND	ND	ND	ND	ND	ND	ND
Oct-98	ND	350	4J	10	ND	ND	4J	ND	ND	12
Apr-99	ND	230	ND	7	ND	ND	5	ND	ND	7
Oct-99	ND	130	5	8	ND	ND	5	ND	ND	9
Apr-00	ND	73	ND	5.1	ND	ND	6	ND	ND	5.3
Mar-01	ND	57	9	5	ND	ND	6	ND	ND	ND
Mar-02	ND	160	ND	ND	ND	ND	ND	ND	ND	ND
Mar-03	ND	62	7.5	ND	ND	ND	11	ND	ND	ND
Apr-04	ND	120	9.5	0.1	ND	ND	12	ND	ND	ND
Chlorobenzene [5]										
Aug-91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Jul-97	NA	ND	ND	NA	NA	NA	ND	ND	ND	ND
Apr-98	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oct-98	ND	ND	ND	4J	ND	ND	ND	ND	ND	4J
Apr-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oct-99	ND	2J	ND	2J	ND	ND	ND	ND	ND	3J
Apr-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mar-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mar-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mar-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Apr-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Mercury [0.7]										
Aug-91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Jul-97	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Apr-98	0.6	ND	5.5	ND	ND	ND	ND	ND	3.7	ND
Oct-98	ND	ND	ND	1.0	ND	ND	ND	ND	ND	ND
Apr-99	ND	ND	0.33	0.28	0.20	0.32	ND	ND	0.33	ND
Oct-99	0.20	0.19B	0.16B	0.09B	0.18B	0.19B	0.17B	0.17B	0.21	0.20
Apr-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mar-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mar-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mar-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Apr-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Lead [25]										
Aug-91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Jul-97	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Apr-98	ND	9	566	143	12	ND	ND	ND	ND	164
Oct-98	13	17	271	794	32.5	11.5	3.8	1.3	ND	20.5
Apr-99	ND	2.7J	170	34.6J	9.6J	41J	ND	ND	16.4J	32.3J
Oct-99	ND	ND	49.2	109	8.4	23.2	ND	ND	13.9	133
Apr-00	ND	ND	ND	21	ND	30	7	ND	ND	22
Mar-01	ND	ND	21	78	11	27	ND	ND	ND	ND
Mar-02	ND	ND	7	ND	ND	ND	ND	ND	ND	ND
Mar-03	ND	ND	ND	384D	ND	ND	ND	ND	ND	ND
Apr-04	ND	ND	ND	21D	7D	9D	ND	ND	ND	6D

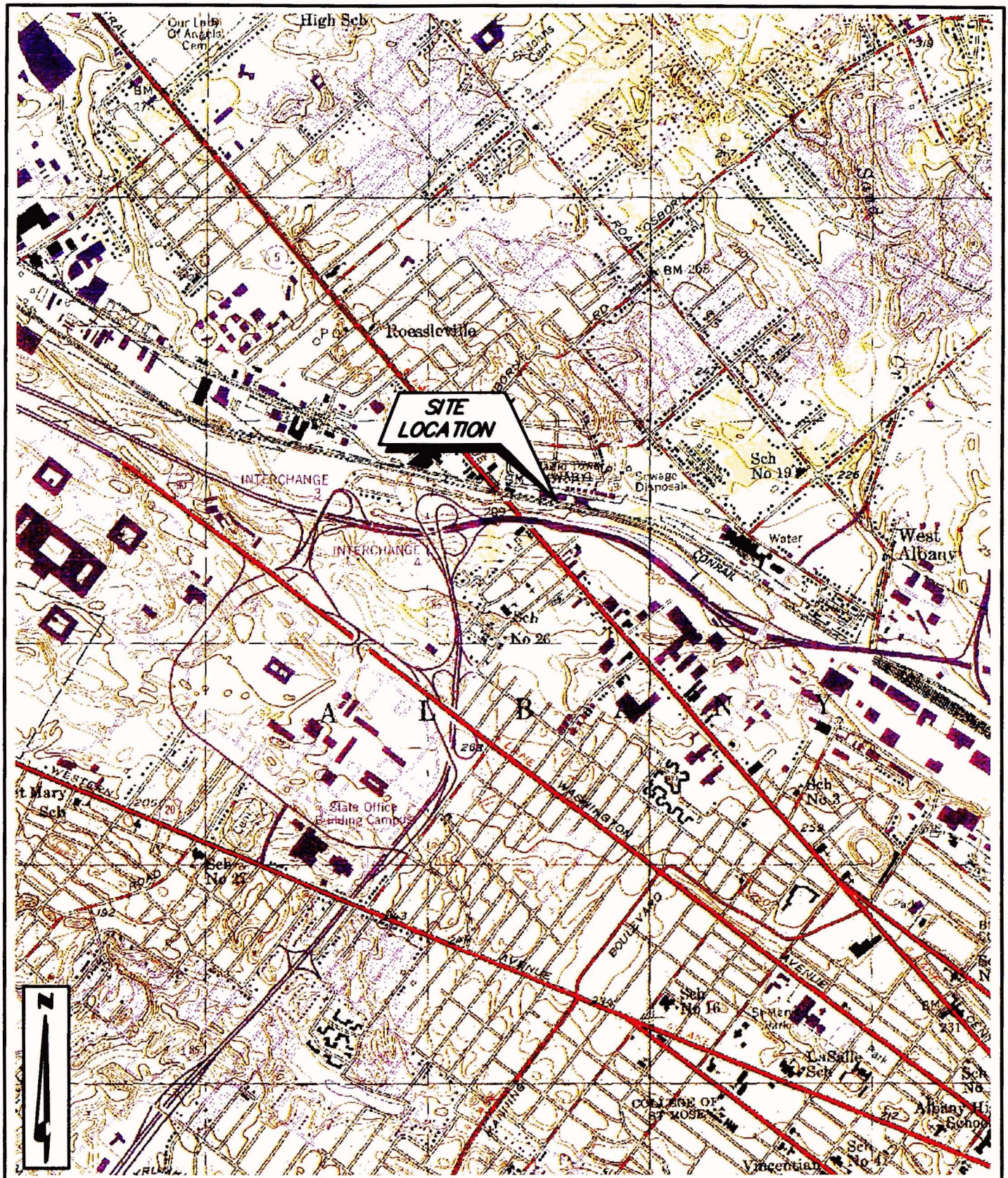
[*] Groundwater Standard Guidance Value Shaded Values Are Above The Standard

B= Less Than Contract Detection Limits

ND= Below Detection Limits NA: Not Analyzed J=Semi-qualitative value, Conc. Below CRQCL

D= Filtered sample was non-detect for lead ** Field Duplicate Sample

FIGURES



SOURCE: U.S.G.S. 7.5' Topographic
QUADRANGLE: ALBANY, NY

SCALE: 1"=2000'

CLOUGH, HARBOUR & ASSOCIATES LLP
ENGINEERS, SURVEYORS, PLANNERS & LANDSCAPE ARCHITECTS
III WINNERS CIRCLE – ALBANY, NEW YORK – 12205
518-453-4500

7899.1000.1102

DATE: MAY, 2004

FIGURE 1

SITE LOCATION MAP

VATRANO ROAD SITE

ALBANY
STATE OF NEW YORK

VATRANO ROAD

BUILDING # 19

BENCH MARK
SPIKE IN UTIL
NS 7 1/2 PIT 7-5
ELEV=215.04'

EXISTING CONTOUR

POLE

CB
TF=215.28
IN OUT=211.28

215.9

SLOPE

216

215.7

GATE

CONCRETE STAIRS

MON PNT 3
ELEV=216.58'

MW-1

SEWER LINE APPROXIMATE LOCATION

SEWER CLEANOUT

LIMITS OF SITE REMEDIATION

PROPOSED GRADE (TYP)

215.9

PLACE FILL TO THE LIMITS INDICATED AND IN ACCORDANCE WITH SPECIFICATION SECTION 02200

MON PNT 6
ELEV=217.3'

MON PNT 2
ELEV=215.48'

MON PNT 5
ELEV=217.2'

BUILDING # 16

215.6

WOOD DECK

BUILDING # 14

MON PNT 1
ELEV=215.35'

MON PNT 4
ELEV=217.1'

214.6

214.5

215.4

NEW NIAGARA MOHAWK POWER POLE

MW-4

UNDERGROUND BELL ATLANTIC LINE APPROXIMATE LOCATION

MW-5

APPROXIMATE PROPERTY LINE

CONRAIL UTILITY POLE

NEW NIAGARA MOHAWK POWER POLE

RAILROAD TRACKS

APPROX. LOCATION UNDERGROUND ELECTRIC

TRANS

BUILDING # 8

BUILDING # 10

BUILDING # 12

FF ELEV=219.95'

MON PNT 9
ELEV=219.62'

FF BLDG 8
ELEV=219.66'

WOOD STEPS AND 14'x12' WOOD DECK

DOOR

MON PNT 8
ELEV=215.52'

MON PNT 7
ELEV=216.46'

217.0

216.5

216.0

MW-2

MW-9

MOUNDED SAND PLATFORM

MW-3

217

218

MW-8

MW-7

MW-6

GRAPHIC SCALE

20 0 10 20 40 80

SCALE: 1" = 4

File: M:\7899\ACAD\POSTREM.dwg User: 330 5/24/2004 08:48 AM

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ENGINEERS, SURVEYORS, PLANNERS & LANDSCAPE ARCHITECTS
III WINNERS CIRCLE ALBANY, NEW YORK, 12205

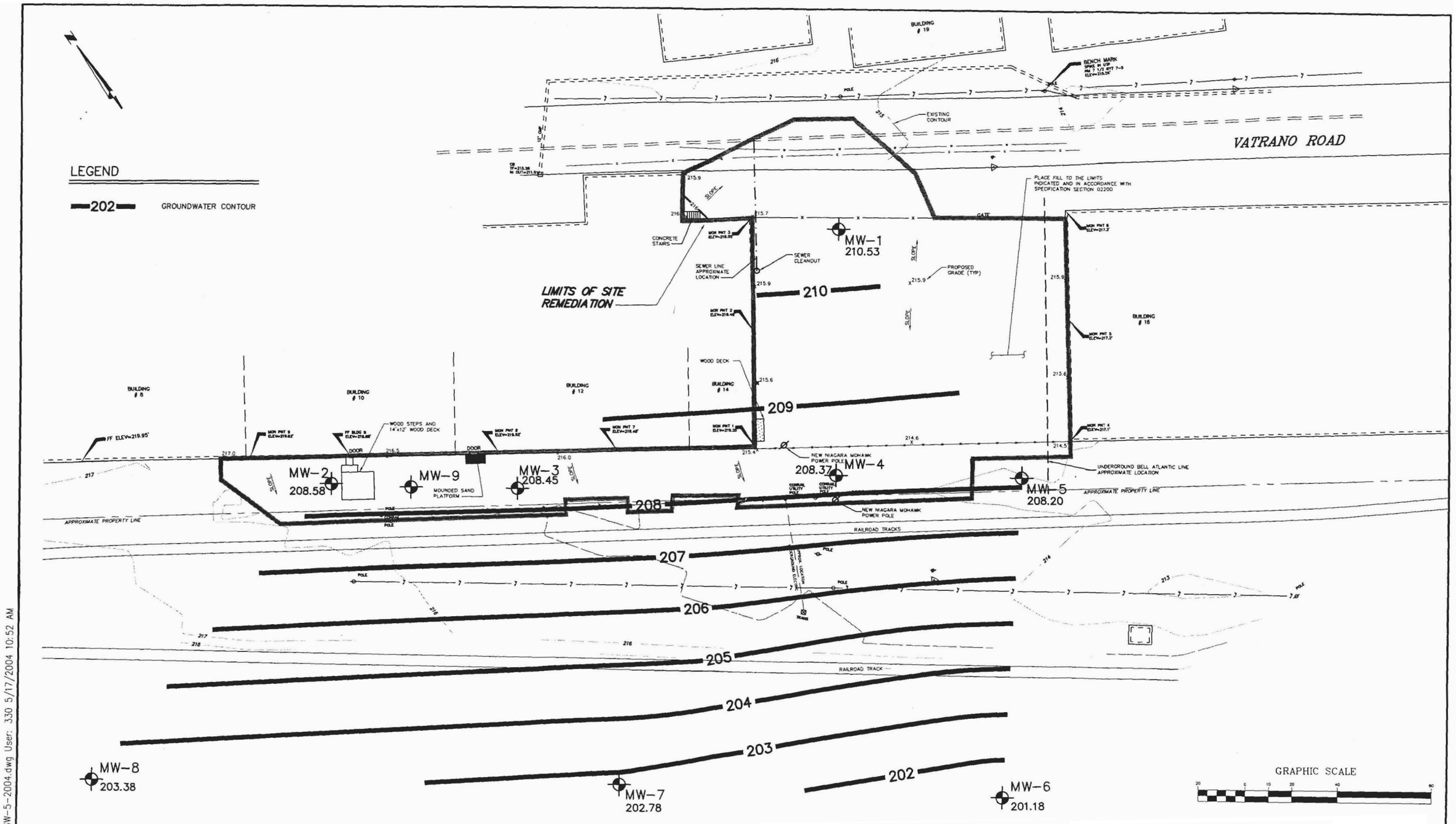
DWG. NO. 7899.1000.1102 | DATE MAY, 2004

FIGURE 2

MONITORING REPORT

POST REMEDIATION CONDITIONS MAP

REMEDIATION OF THE VATRANO ROAD SITE
NYSDEC ID #401036, ALBANY, NEW YORK



SCALE: 1" = 40'

File: M:\7899\ACAD\GW-5-2004.dwg User: 330 5/17/2004 10:52 AM

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III WINNERS CIRCLE ALBANY, NEW YORK, 12205

DWG. NO. 7899.1000.1102 | DATE MAY, 2004

FIGURE 3

MONITORING REPORT

APRIL, 2004 WATER TABLE GROUNDWATER CONTOUR MAP

REMEDIATION OF THE VATRANO ROAD SITE
NYSDEC ID #401036, ALBANY, NEW YORK

Adirondack Environmental Services, Inc

Date: *10-May-04*

CLIENT: Clough Harbour & Associates
Lab Order: 040427036
Project: Vatrano Road
Lab ID: 040427036-001

Client Sample ID: MW-1
Collection Date: 4/27/2004
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PEST/PCB		**E608**		**(E608)**		Analyst: **KF**
Aroclor 1016	< 0.065	0.065		µg/L	1	4/28/2004 3:14:37 PM
Aroclor 1221	< 0.065	0.065		µg/L	1	4/28/2004 3:14:37 PM
Aroclor 1232	< 0.065	0.065		µg/L	1	4/28/2004 3:14:37 PM
Aroclor 1242	< 0.065	0.065		µg/L	1	4/28/2004 3:14:37 PM
Aroclor 1248	< 0.065	0.065		µg/L	1	4/28/2004 3:14:37 PM
Aroclor 1254	< 0.065	0.065		µg/L	1	4/28/2004 3:14:37 PM
Aroclor 1260	< 0.065	0.065		µg/L	1	4/28/2004 3:14:37 PM
ICP METALS		**E200.7**		**(SW3010A)**		Analyst: **SM**
Lead	< 0.005	0.005		mg/L	1	5/7/2004 12:40:00 PM
ICP DISSOLVED METAL		**E200.7F**		**(SW3005A)**		Analyst: **SM**
Lead, Dissolved	< 0.005	0.005		mg/L	1	5/7/2004 12:54:00 PM
DISSOLVED MERCURY		**E245.1F**		**(E245.1)**		Analyst: **KH**
Dissolved Mercury	< 0.0002	0.0002		mg/L	1	4/30/2004
MERCURY IN WATER		**E245.1**		**(E245.1)**		Analyst: **KH**
Mercury	< 0.0002	0.0002		mg/L	1	4/30/2004
VOLATILE ORGANICS		**SW8260B**				Analyst: **ML**
Chloromethane	< 10	10		µg/L	1	4/29/2004 12:12:00 PM
Bromomethane	< 10	10		µg/L	1	4/29/2004 12:12:00 PM
Vinyl chloride	< 10	10		µg/L	1	4/29/2004 12:12:00 PM
Chloroethane	< 10	10		µg/L	1	4/29/2004 12:12:00 PM
Methylene chloride	< 5.0	5.0		µg/L	1	4/29/2004 12:12:00 PM
Acetone	< 10	10		µg/L	1	4/29/2004 12:12:00 PM
Carbon disulfide	< 5.0	5.0		µg/L	1	4/29/2004 12:12:00 PM
1,1-Dichloroethene	< 5.0	5.0		µg/L	1	4/29/2004 12:12:00 PM
1,1-Dichloroethane	< 5.0	5.0		µg/L	1	4/29/2004 12:12:00 PM
trans-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	4/29/2004 12:12:00 PM
cis-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	4/29/2004 12:12:00 PM
Chloroform	< 5.0	5.0		µg/L	1	4/29/2004 12:12:00 PM
1,2-Dichloroethane	< 5.0	5.0		µg/L	1	4/29/2004 12:12:00 PM
2-Butanone	< 10	10		µg/L	1	4/29/2004 12:12:00 PM
1,1,1-Trichloroethane	< 5.0	5.0		µg/L	1	4/29/2004 12:12:00 PM
Carbon tetrachloride	< 5.0	5.0		µg/L	1	4/29/2004 12:12:00 PM
Bromodichloromethane	< 5.0	5.0		µg/L	1	4/29/2004 12:12:00 PM
1,2-Dichloropropane	< 5.0	5.0		µg/L	1	4/29/2004 12:12:00 PM
cis-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	4/29/2004 12:12:00 PM
Trichloroethene	< 5.0	5.0		µg/L	1	4/29/2004 12:12:00 PM
Dibromochloromethane	< 5.0	5.0		µg/L	1	4/29/2004 12:12:00 PM
1,1,2-Trichloroethane	< 5.0	5.0		µg/L	1	4/29/2004 12:12:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *10-May-04*

CLIENT: Clough Harbour & Associates
Lab Order: 040427036
Project: Vatrano Road
Lab ID: 040427036-001

Client Sample ID: MW-1
Collection Date: 4/27/2004
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS		**SW8260B**				Analyst: **ML**
Benzene	< 5.0	5.0		µg/L	1	4/29/2004 12:12:00 PM
trans-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	4/29/2004 12:12:00 PM
Bromoform	< 5.0	5.0		µg/L	1	4/29/2004 12:12:00 PM
4-Methyl-2-pentanone	< 10	10		µg/L	1	4/29/2004 12:12:00 PM
2-Hexanone	< 10	10		µg/L	1	4/29/2004 12:12:00 PM
Tetrachloroethene	< 5.0	5.0		µg/L	1	4/29/2004 12:12:00 PM
1,1,2,2-Tetrachloroethane	< 5.0	5.0		µg/L	1	4/29/2004 12:12:00 PM
Toluene	< 5.0	5.0		µg/L	1	4/29/2004 12:12:00 PM
Chlorobenzene	< 5.0	5.0		µg/L	1	4/29/2004 12:12:00 PM
Ethylbenzene	< 5.0	5.0		µg/L	1	4/29/2004 12:12:00 PM
Styrene	< 5.0	5.0		µg/L	1	4/29/2004 12:12:00 PM
m,p-Xylene	< 5.0	5.0		µg/L	1	4/29/2004 12:12:00 PM
o-Xylene	< 5.0	5.0		µg/L	1	4/29/2004 12:12:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *10-May-04*

CLIENT:	Clough Harbour & Associates	**Client Sample ID:**	MW-2
Lab Order:	040428025	**Collection Date:**	4/28/2004
Project:	Vatrano Road		
Lab ID:	040428025-001	**Matrix:**	GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PEST/PCB		**E608**		**(E608)**		Analyst: **KF**
Aroclor 1016	< 0.065	0.065		µg/L	1	4/28/2004 6:28:31 PM
Aroclor 1221	< 0.065	0.065		µg/L	1	4/28/2004 6:28:31 PM
Aroclor 1232	< 0.065	0.065		µg/L	1	4/28/2004 6:28:31 PM
Aroclor 1242	0.108	0.065		µg/L	1	4/28/2004 6:28:31 PM
Aroclor 1248	< 0.065	0.065		µg/L	1	4/28/2004 6:28:31 PM
Aroclor 1254	< 0.065	0.065		µg/L	1	4/28/2004 6:28:31 PM
Aroclor 1260	0.802	0.065		µg/L	1	4/28/2004 6:28:31 PM
ICP METALS		**E200.7**		**(SW3010A)**		Analyst: **KH**
Lead	< 0.005	0.005		mg/L	1	5/7/2004 12:20:00 PM
MERCURY IN WATER		**E245.1**		**(E245.1)**		Analyst: **KH**
Mercury	< 0.0002	0.0002		mg/L	1	4/30/2004
VOLATILE ORGANICS		**SW8260B**				Analyst: **ML**
Chloromethane	< 10	10		µg/L	1	4/29/2004 3:38:00 PM
Bromomethane	< 10	10		µg/L	1	4/29/2004 3:38:00 PM
Vinyl chloride	< 10	10		µg/L	1	4/29/2004 3:38:00 PM
Chloroethane	< 10	10		µg/L	1	4/29/2004 3:38:00 PM
Methylene chloride	< 5.0	5.0		µg/L	1	4/29/2004 3:38:00 PM
Acetone	< 10	10		µg/L	1	4/29/2004 3:38:00 PM
Carbon disulfide	< 5.0	5.0		µg/L	1	4/29/2004 3:38:00 PM
1,1-Dichloroethene	< 5.0	5.0		µg/L	1	4/29/2004 3:38:00 PM
1,1-Dichloroethane	< 5.0	5.0		µg/L	1	4/29/2004 3:38:00 PM
trans-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	4/29/2004 3:38:00 PM
cis-1,2-Dichloroethene	120	5.0		µg/L	1	4/29/2004 3:38:00 PM
Chloroform	< 5.0	5.0		µg/L	1	4/29/2004 3:38:00 PM
1,2-Dichloroethane	< 5.0	5.0		µg/L	1	4/29/2004 3:38:00 PM
2-Butanone	< 10	10		µg/L	1	4/29/2004 3:38:00 PM
1,1,1-Trichloroethane	< 5.0	5.0		µg/L	1	4/29/2004 3:38:00 PM
Carbon tetrachloride	< 5.0	5.0		µg/L	1	4/29/2004 3:38:00 PM
Bromodichloromethane	< 5.0	5.0		µg/L	1	4/29/2004 3:38:00 PM
1,2-Dichloropropane	< 5.0	5.0		µg/L	1	4/29/2004 3:38:00 PM
cis-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	4/29/2004 3:38:00 PM
Trichloroethene	37	5.0		µg/L	1	4/29/2004 3:38:00 PM
Dibromochloromethane	< 5.0	5.0		µg/L	1	4/29/2004 3:38:00 PM
1,1,2-Trichloroethane	< 5.0	5.0		µg/L	1	4/29/2004 3:38:00 PM
Benzene	< 5.0	5.0		µg/L	1	4/29/2004 3:38:00 PM
trans-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	4/29/2004 3:38:00 PM
Bromoform	< 5.0	5.0		µg/L	1	4/29/2004 3:38:00 PM
4-Methyl-2-pentanone	< 10	10		µg/L	1	4/29/2004 3:38:00 PM
2-Hexanone	< 10	10		µg/L	1	4/29/2004 3:38:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *10-May-04*

CLIENT:	Clough Harbour & Associates	**Client Sample ID:**	MW-2
Lab Order:	040428025	**Collection Date:**	4/28/2004
Project:	Vatrano Road		
Lab ID:	040428025-001	**Matrix:**	GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS		**SW8260B**				Analyst: **ML**
Tetrachloroethene	160	5.0		µg/L	1	4/29/2004 3:38:00 PM
1,1,2,2-Tetrachloroethane	< 5.0	5.0		µg/L	1	4/29/2004 3:38:00 PM
Toluene	< 5.0	5.0		µg/L	1	4/29/2004 3:38:00 PM
Chlorobenzene	< 5.0	5.0		µg/L	1	4/29/2004 3:38:00 PM
Ethylbenzene	< 5.0	5.0		µg/L	1	4/29/2004 3:38:00 PM
Styrene	< 5.0	5.0		µg/L	1	4/29/2004 3:38:00 PM
m,p-Xylene	< 5.0	5.0		µg/L	1	4/29/2004 3:38:00 PM
o-Xylene	< 5.0	5.0		µg/L	1	4/29/2004 3:38:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *10-May-04*

CLIENT:	Clough Harbour & Associates	**Client Sample ID:**	MW-3
Lab Order:	040427036	**Collection Date:**	4/27/2004
Project:	Vatrano Road		
Lab ID:	040427036-002	**Matrix:**	GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PEST/PCB		**E608**		**(E608)**		Analyst: **KF**
Aroclor 1016	< 0.067	0.067		µg/L	1	4/28/2004 3:46:57 PM
Aroclor 1221	< 0.067	0.067		µg/L	1	4/28/2004 3:46:57 PM
Aroclor 1232	< 0.067	0.067		µg/L	1	4/28/2004 3:46:57 PM
Aroclor 1242	< 0.067	0.067		µg/L	1	4/28/2004 3:46:57 PM
Aroclor 1248	< 0.067	0.067		µg/L	1	4/28/2004 3:46:57 PM
Aroclor 1254	< 0.067	0.067		µg/L	1	4/28/2004 3:46:57 PM
Aroclor 1260	< 0.067	0.067		µg/L	1	4/28/2004 3:46:57 PM
ICP METALS		**E200.7**		**(SW3010A)**		Analyst: **SM**
Lead	< 0.005	0.005		mg/L	1	5/7/2004 1:18:00 PM
ICP DISSOLVED METAL		**E200.7F**		**(SW3005A)**		Analyst: **SM**
Lead, Dissolved	< 0.005	0.005		mg/L	1	5/7/2004 1:25:00 PM
DISSOLVED MERCURY		**E245.1F**		**(E245.1)**		Analyst: **KH**
Dissolved Mercury	< 0.0002	0.0002		mg/L	1	4/30/2004
MERCURY IN WATER		**E245.1**		**(E245.1)**		Analyst: **KH**
Mercury	< 0.0002	0.0002		mg/L	1	4/30/2004
VOLATILE ORGANICS		**SW8260B**				Analyst: **ML**
Chloromethane	< 10	10		µg/L	1	4/28/2004 3:09:00 PM
Bromomethane	< 10	10		µg/L	1	4/28/2004 3:09:00 PM
Vinyl chloride	< 10	10		µg/L	1	4/28/2004 3:09:00 PM
Chloroethane	< 10	10		µg/L	1	4/28/2004 3:09:00 PM
Methylene chloride	< 5.0	5.0		µg/L	1	4/28/2004 3:09:00 PM
Acetone	< 10	10		µg/L	1	4/28/2004 3:09:00 PM
Carbon disulfide	< 5.0	5.0		µg/L	1	4/28/2004 3:09:00 PM
1,1-Dichloroethene	< 5.0	5.0		µg/L	1	4/28/2004 3:09:00 PM
1,1-Dichloroethane	< 5.0	5.0		µg/L	1	4/28/2004 3:09:00 PM
trans-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	4/28/2004 3:09:00 PM
cis-1,2-Dichloroethene	9.5	5.0		µg/L	1	4/28/2004 3:09:00 PM
Chloroform	< 5.0	5.0		µg/L	1	4/28/2004 3:09:00 PM
1,2-Dichloroethane	< 5.0	5.0		µg/L	1	4/28/2004 3:09:00 PM
2-Butanone	< 10	10		µg/L	1	4/28/2004 3:09:00 PM
1,1,1-Trichloroethane	< 5.0	5.0		µg/L	1	4/28/2004 3:09:00 PM
Carbon tetrachloride	< 5.0	5.0		µg/L	1	4/28/2004 3:09:00 PM
Bromodichloromethane	< 5.0	5.0		µg/L	1	4/28/2004 3:09:00 PM
1,2-Dichloropropane	< 5.0	5.0		µg/L	1	4/28/2004 3:09:00 PM
cis-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	4/28/2004 3:09:00 PM
Trichloroethene	< 5.0	5.0		µg/L	1	4/28/2004 3:09:00 PM
Dibromochloromethane	< 5.0	5.0		µg/L	1	4/28/2004 3:09:00 PM
1,1,2-Trichloroethane	< 5.0	5.0		µg/L	1	4/28/2004 3:09:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *10-May-04*

CLIENT:	Clough Harbour & Associates	**Client Sample ID:**	MW-3
Lab Order:	040427036	**Collection Date:**	4/27/2004
Project:	Vatrano Road		
Lab ID:	040427036-002	**Matrix:**	GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS		**SW8260B**				Analyst: **ML**
Benzene	< 5.0	5.0		µg/L	1	4/28/2004 3:09:00 PM
trans-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	4/28/2004 3:09:00 PM
Bromoform	< 5.0	5.0		µg/L	1	4/28/2004 3:09:00 PM
4-Methyl-2-pentanone	< 10	10		µg/L	1	4/28/2004 3:09:00 PM
2-Hexanone	< 10	10		µg/L	1	4/28/2004 3:09:00 PM
Tetrachloroethene	< 5.0	5.0		µg/L	1	4/28/2004 3:09:00 PM
1,1,2,2-Tetrachloroethane	< 5.0	5.0		µg/L	1	4/28/2004 3:09:00 PM
Toluene	< 5.0	5.0		µg/L	1	4/28/2004 3:09:00 PM
Chlorobenzene	< 5.0	5.0		µg/L	1	4/28/2004 3:09:00 PM
Ethylbenzene	< 5.0	5.0		µg/L	1	4/28/2004 3:09:00 PM
Styrene	< 5.0	5.0		µg/L	1	4/28/2004 3:09:00 PM
m,p-Xylene	< 5.0	5.0		µg/L	1	4/28/2004 3:09:00 PM
o-Xylene	< 5.0	5.0		µg/L	1	4/28/2004 3:09:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *10-May-04*

CLIENT:	Clough Harbour & Associates	**Client Sample ID:**	MW-4
Lab Order:	040428025	**Collection Date:**	4/28/2004
Project:	Vatrano Road		
Lab ID:	040428025-002	**Matrix:**	GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PEST/PCB		**E608**		**(E608)**		Analyst: **KF**
Aroclor 1016	< 0.067	0.067		µg/L	1	4/28/2004 7:00:51 PM
Aroclor 1221	< 0.067	0.067		µg/L	1	4/28/2004 7:00:51 PM
Aroclor 1232	< 0.067	0.067		µg/L	1	4/28/2004 7:00:51 PM
Aroclor 1242	< 0.067	0.067		µg/L	1	4/28/2004 7:00:51 PM
Aroclor 1248	< 0.067	0.067		µg/L	1	4/28/2004 7:00:51 PM
Aroclor 1254	< 0.067	0.067		µg/L	1	4/28/2004 7:00:51 PM
Aroclor 1260	< 0.067	0.067		µg/L	1	4/28/2004 7:00:51 PM
ICP METALS		**E200.7**		**(SW3010A)**		Analyst: **KH**
Lead	0.021	0.005		mg/L	1	5/7/2004 12:23:00 PM
ICP DISSOLVED METAL		**E200.7F**		**(SW3005A)**		Analyst: **KH**
Lead, Dissolved	< 0.005	0.005		mg/L	1	5/7/2004 12:54:00 PM
DISSOLVED MERCURY		**E245.1F**		**(E245.1)**		Analyst: **KH**
Dissolved Mercury	< 0.0002	0.0002		mg/L	1	4/30/2004
MERCURY IN WATER		**E245.1**		**(E245.1)**		Analyst: **KH**
Mercury	< 0.0002	0.0002		mg/L	1	4/30/2004
VOLATILE ORGANICS		**SW8260B**				Analyst: **ML**
Chloromethane	< 10	10		µg/L	1	4/29/2004 4:08:00 PM
Bromomethane	< 10	10		µg/L	1	4/29/2004 4:08:00 PM
Vinyl chloride	< 10	10		µg/L	1	4/29/2004 4:08:00 PM
Chloroethane	< 10	10		µg/L	1	4/29/2004 4:08:00 PM
Methylene chloride	< 5.0	5.0		µg/L	1	4/29/2004 4:08:00 PM
Acetone	< 10	10		µg/L	1	4/29/2004 4:08:00 PM
Carbon disulfide	< 5.0	5.0		µg/L	1	4/29/2004 4:08:00 PM
1,1-Dichloroethene	< 5.0	5.0		µg/L	1	4/29/2004 4:08:00 PM
1,1-Dichloroethane	< 5.0	5.0		µg/L	1	4/29/2004 4:08:00 PM
trans-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	4/29/2004 4:08:00 PM
cis-1,2-Dichloroethene	9.1	5.0		µg/L	1	4/29/2004 4:08:00 PM
Chloroform	< 5.0	5.0		µg/L	1	4/29/2004 4:08:00 PM
1,2-Dichloroethane	< 5.0	5.0		µg/L	1	4/29/2004 4:08:00 PM
2-Butanone	< 10	10		µg/L	1	4/29/2004 4:08:00 PM
1,1,1-Trichloroethane	< 5.0	5.0		µg/L	1	4/29/2004 4:08:00 PM
Carbon tetrachloride	< 5.0	5.0		µg/L	1	4/29/2004 4:08:00 PM
Bromodichloromethane	< 5.0	5.0		µg/L	1	4/29/2004 4:08:00 PM
1,2-Dichloropropane	< 5.0	5.0		µg/L	1	4/29/2004 4:08:00 PM
cis-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	4/29/2004 4:08:00 PM
Trichloroethene	< 5.0	5.0		µg/L	1	4/29/2004 4:08:00 PM
Dibromochloromethane	< 5.0	5.0		µg/L	1	4/29/2004 4:08:00 PM
1,1,2-Trichloroethane	< 5.0	5.0		µg/L	1	4/29/2004 4:08:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *10-May-04*

CLIENT: Clough Harbour & Associates
Lab Order: 040428025
Project: Vatrano Road
Lab ID: 040428025-002

Client Sample ID: MW-4
Collection Date: 4/28/2004
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS		**SW8260B**				Analyst: **ML**
Benzene	< 5.0	5.0		µg/L	1	4/29/2004 4:08:00 PM
trans-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	4/29/2004 4:08:00 PM
Bromoform	< 5.0	5.0		µg/L	1	4/29/2004 4:08:00 PM
4-Methyl-2-pentanone	< 10	10		µg/L	1	4/29/2004 4:08:00 PM
2-Hexanone	< 10	10		µg/L	1	4/29/2004 4:08:00 PM
Tetrachloroethene	< 5.0	5.0		µg/L	1	4/29/2004 4:08:00 PM
1,1,2,2-Tetrachloroethane	< 5.0	5.0		µg/L	1	4/29/2004 4:08:00 PM
Toluene	< 5.0	5.0		µg/L	1	4/29/2004 4:08:00 PM
Chlorobenzene	< 5.0	5.0		µg/L	1	4/29/2004 4:08:00 PM
Ethylbenzene	< 5.0	5.0		µg/L	1	4/29/2004 4:08:00 PM
Styrene	< 5.0	5.0		µg/L	1	4/29/2004 4:08:00 PM
m,p-Xylene	< 5.0	5.0		µg/L	1	4/29/2004 4:08:00 PM
o-Xylene	< 5.0	5.0		µg/L	1	4/29/2004 4:08:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *10-May-04*

CLIENT:	Clough Harbour & Associates	**Client Sample ID:**	MW-5
Lab Order:	040428025	**Collection Date:**	4/28/2004
Project:	Vatrano Road		
Lab ID:	040428025-003	**Matrix:**	GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PEST/PCB		**E608**		**(E608)**		Analyst: **KF**
Aroclor 1016	< 0.325	0.325		µg/L	5	4/28/2004 9:10:05 PM
Aroclor 1221	< 0.325	0.325		µg/L	5	4/28/2004 9:10:05 PM
Aroclor 1232	< 0.325	0.325		µg/L	5	4/28/2004 9:10:05 PM
Aroclor 1242	< 0.325	0.325		µg/L	5	4/28/2004 9:10:05 PM
Aroclor 1248	< 0.325	0.325		µg/L	5	4/28/2004 9:10:05 PM
Aroclor 1254	< 0.325	0.325		µg/L	5	4/28/2004 9:10:05 PM
Aroclor 1260	12.3	0.325		µg/L	5	4/28/2004 9:10:05 PM
ICP METALS		**E200.7**		**(SW3010A)**		Analyst: **KH**
Lead	0.007	0.005		mg/L	1	5/7/2004 12:34:00 PM
ICP DISSOLVED METAL		**E200.7F**		**(SW3005A)**		Analyst: **KH**
Lead, Dissolved	< 0.005	0.005		mg/L	1	5/7/2004 12:58:00 PM
DISSOLVED MERCURY		**E245.1F**		**(E245.1)**		Analyst: **KH**
Dissolved Mercury	< 0.0002	0.0002		mg/L	1	4/30/2004
MERCURY IN WATER		**E245.1**		**(E245.1)**		Analyst: **KH**
Mercury	< 0.0002	0.0002		mg/L	1	4/30/2004
VOLATILE ORGANICS		**SW8260B**				Analyst: **ML**
Chloromethane	< 10	10		µg/L	1	4/29/2004 4:37:00 PM
Bromomethane	< 10	10		µg/L	1	4/29/2004 4:37:00 PM
Vinyl chloride	< 10	10		µg/L	1	4/29/2004 4:37:00 PM
Chloroethane	< 10	10		µg/L	1	4/29/2004 4:37:00 PM
Methylene chloride	< 5.0	5.0		µg/L	1	4/29/2004 4:37:00 PM
Acetone	< 10	10		µg/L	1	4/29/2004 4:37:00 PM
Carbon disulfide	< 5.0	5.0		µg/L	1	4/29/2004 4:37:00 PM
1,1-Dichloroethene	< 5.0	5.0		µg/L	1	4/29/2004 4:37:00 PM
1,1-Dichloroethane	< 5.0	5.0		µg/L	1	4/29/2004 4:37:00 PM
trans-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	4/29/2004 4:37:00 PM
cis-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	4/29/2004 4:37:00 PM
Chloroform	< 5.0	5.0		µg/L	1	4/29/2004 4:37:00 PM
1,2-Dichloroethane	< 5.0	5.0		µg/L	1	4/29/2004 4:37:00 PM
2-Butanone	< 10	10		µg/L	1	4/29/2004 4:37:00 PM
1,1,1-Trichloroethane	< 5.0	5.0		µg/L	1	4/29/2004 4:37:00 PM
Carbon tetrachloride	< 5.0	5.0		µg/L	1	4/29/2004 4:37:00 PM
Bromodichloromethane	< 5.0	5.0		µg/L	1	4/29/2004 4:37:00 PM
1,2-Dichloropropane	< 5.0	5.0		µg/L	1	4/29/2004 4:37:00 PM
cis-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	4/29/2004 4:37:00 PM
Trichloroethene	< 5.0	5.0		µg/L	1	4/29/2004 4:37:00 PM
Dibromochloromethane	< 5.0	5.0		µg/L	1	4/29/2004 4:37:00 PM
1,1,2-Trichloroethane	< 5.0	5.0		µg/L	1	4/29/2004 4:37:00 PM

Qualifiers:

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B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *10-May-04*

CLIENT:	Clough Harbour & Associates	**Client Sample ID:**	MW-5
Lab Order:	040428025	**Collection Date:**	4/28/2004
Project:	Vatrano Road		
Lab ID:	040428025-003	**Matrix:**	GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS		**SW8260B**				Analyst: **ML**
Benzene	< 5.0	5.0		µg/L	1	4/29/2004 4:37:00 PM
trans-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	4/29/2004 4:37:00 PM
Bromoform	< 5.0	5.0		µg/L	1	4/29/2004 4:37:00 PM
4-Methyl-2-pentanone	< 10	10		µg/L	1	4/29/2004 4:37:00 PM
2-Hexanone	< 10	10		µg/L	1	4/29/2004 4:37:00 PM
Tetrachloroethene	< 5.0	5.0		µg/L	1	4/29/2004 4:37:00 PM
1,1,2,2-Tetrachloroethane	< 5.0	5.0		µg/L	1	4/29/2004 4:37:00 PM
Toluene	< 5.0	5.0		µg/L	1	4/29/2004 4:37:00 PM
Chlorobenzene	< 5.0	5.0		µg/L	1	4/29/2004 4:37:00 PM
Ethylbenzene	< 5.0	5.0		µg/L	1	4/29/2004 4:37:00 PM
Styrene	< 5.0	5.0		µg/L	1	4/29/2004 4:37:00 PM
m,p-Xylene	< 5.0	5.0		µg/L	1	4/29/2004 4:37:00 PM
o-Xylene	< 5.0	5.0		µg/L	1	4/29/2004 4:37:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

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B - Analyte detected in the associated Method Blank

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R - RPD outside accepted recovery limits

E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *10-May-04*

CLIENT:	Clough Harbour & Associates	**Client Sample ID:**	MW-6
Lab Order:	040427036	**Collection Date:**	4/27/2004
Project:	Vatrano Road		
Lab ID:	040427036-003	**Matrix:**	GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PEST/PCB		**E608**		**(E608)**		Analyst: **KF**
Aroclor 1016	< 0.065	0.065		µg/L	1	4/28/2004 4:19:16 PM
Aroclor 1221	< 0.065	0.065		µg/L	1	4/28/2004 4:19:16 PM
Aroclor 1232	< 0.065	0.065		µg/L	1	4/28/2004 4:19:16 PM
Aroclor 1242	< 0.065	0.065		µg/L	1	4/28/2004 4:19:16 PM
Aroclor 1248	< 0.065	0.065		µg/L	1	4/28/2004 4:19:16 PM
Aroclor 1254	< 0.065	0.065		µg/L	1	4/28/2004 4:19:16 PM
Aroclor 1260	< 0.065	0.065		µg/L	1	4/28/2004 4:19:16 PM
ICP METALS		**E200.7**		**(SW3010A)**		Analyst: **SM**
Lead	0.009	0.005		mg/L	1	5/7/2004 2:27:00 PM
ICP DISSOLVED METAL		**E200.7F**		**(SW3005A)**		Analyst: **SM**
Lead, Dissolved	< 0.005	0.005		mg/L	1	5/7/2004 2:32:00 PM
DISSOLVED MERCURY		**E245.1F**		**(E245.1)**		Analyst: **KH**
Dissolved Mercury	< 0.0002	0.0002		mg/L	1	4/30/2004
MERCURY IN WATER		**E245.1**		**(E245.1)**		Analyst: **KH**
Mercury	< 0.0002	0.0002		mg/L	1	4/30/2004
VOLATILE ORGANICS		**SW8260B**				Analyst: **ML**
Chloromethane	< 10	10		µg/L	1	4/28/2004 3:39:00 PM
Bromomethane	< 10	10		µg/L	1	4/28/2004 3:39:00 PM
Vinyl chloride	< 10	10		µg/L	1	4/28/2004 3:39:00 PM
Chloroethane	< 10	10		µg/L	1	4/28/2004 3:39:00 PM
Methylene chloride	< 5.0	5.0		µg/L	1	4/28/2004 3:39:00 PM
Acetone	< 10	10		µg/L	1	4/28/2004 3:39:00 PM
Carbon disulfide	< 5.0	5.0		µg/L	1	4/28/2004 3:39:00 PM
1,1-Dichloroethene	< 5.0	5.0		µg/L	1	4/28/2004 3:39:00 PM
1,1-Dichloroethane	< 5.0	5.0		µg/L	1	4/28/2004 3:39:00 PM
trans-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	4/28/2004 3:39:00 PM
cis-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	4/28/2004 3:39:00 PM
Chloroform	< 5.0	5.0		µg/L	1	4/28/2004 3:39:00 PM
1,2-Dichloroethane	< 5.0	5.0		µg/L	1	4/28/2004 3:39:00 PM
2-Butanone	< 10	10		µg/L	1	4/28/2004 3:39:00 PM
1,1,1-Trichloroethane	< 5.0	5.0		µg/L	1	4/28/2004 3:39:00 PM
Carbon tetrachloride	< 5.0	5.0		µg/L	1	4/28/2004 3:39:00 PM
Bromodichloromethane	< 5.0	5.0		µg/L	1	4/28/2004 3:39:00 PM
1,2-Dichloropropane	< 5.0	5.0		µg/L	1	4/28/2004 3:39:00 PM
cis-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	4/28/2004 3:39:00 PM
Trichloroethene	< 5.0	5.0		µg/L	1	4/28/2004 3:39:00 PM
Dibromochloromethane	< 5.0	5.0		µg/L	1	4/28/2004 3:39:00 PM
1,1,2-Trichloroethane	< 5.0	5.0		µg/L	1	4/28/2004 3:39:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *10-May-04*

CLIENT:	Clough Harbour & Associates	**Client Sample ID:**	MW-6
Lab Order:	040427036	**Collection Date:**	4/27/2004
Project:	Vatrano Road		
Lab ID:	040427036-003	**Matrix:**	GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS		**SW8260B**				Analyst: **ML**
Benzene	< 5.0	5.0		µg/L	1	4/28/2004 3:39:00 PM
trans-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	4/28/2004 3:39:00 PM
Bromoform	< 5.0	5.0		µg/L	1	4/28/2004 3:39:00 PM
4-Methyl-2-pentanone	< 10	10		µg/L	1	4/28/2004 3:39:00 PM
2-Hexanone	< 10	10		µg/L	1	4/28/2004 3:39:00 PM
Tetrachloroethene	< 5.0	5.0		µg/L	1	4/28/2004 3:39:00 PM
1,1,2,2-Tetrachloroethane	< 5.0	5.0		µg/L	1	4/28/2004 3:39:00 PM
Toluene	< 5.0	5.0		µg/L	1	4/28/2004 3:39:00 PM
Chlorobenzene	< 5.0	5.0		µg/L	1	4/28/2004 3:39:00 PM
Ethylbenzene	< 5.0	5.0		µg/L	1	4/28/2004 3:39:00 PM
Styrene	< 5.0	5.0		µg/L	1	4/28/2004 3:39:00 PM
m,p-Xylene	< 5.0	5.0		µg/L	1	4/28/2004 3:39:00 PM
o-Xylene	< 5.0	5.0		µg/L	1	4/28/2004 3:39:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *10-May-04*

CLIENT:	Clough Harbour & Associates	**Client Sample ID:**	MW-7
Lab Order:	040427036	**Collection Date:**	4/27/2004
Project:	Vatrano Road		
Lab ID:	040427036-004	**Matrix:**	GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PEST/PCB		**E608**		**(E608)**		Analyst: **KF**
Aroclor 1016	< 0.066	0.066		µg/L	1	4/28/2004 4:51:37 PM
Aroclor 1221	< 0.066	0.066		µg/L	1	4/28/2004 4:51:37 PM
Aroclor 1232	< 0.066	0.066		µg/L	1	4/28/2004 4:51:37 PM
Aroclor 1242	< 0.066	0.066		µg/L	1	4/28/2004 4:51:37 PM
Aroclor 1248	< 0.066	0.066		µg/L	1	4/28/2004 4:51:37 PM
Aroclor 1254	< 0.066	0.066		µg/L	1	4/28/2004 4:51:37 PM
Aroclor 1260	< 0.066	0.066		µg/L	1	4/28/2004 4:51:37 PM
ICP METALS		**E200.7**		**(SW3010A)**		Analyst: **SM**
Lead	< 0.005	0.005		mg/L	1	5/7/2004 2:36:00 PM
MERCURY IN WATER		**E245.1**		**(E245.1)**		Analyst: **KH**
Mercury	< 0.0002	0.0002		mg/L	1	4/30/2004
VOLATILE ORGANICS		**SW8260B**				Analyst: **ML**
Chloromethane	< 10	10		µg/L	1	4/28/2004 4:08:00 PM
Bromomethane	< 10	10		µg/L	1	4/28/2004 4:08:00 PM
Vinyl chloride	< 10	10		µg/L	1	4/28/2004 4:08:00 PM
Chloroethane	< 10	10		µg/L	1	4/28/2004 4:08:00 PM
Methylene chloride	< 5.0	5.0		µg/L	1	4/28/2004 4:08:00 PM
Acetone	< 10	10		µg/L	1	4/28/2004 4:08:00 PM
Carbon disulfide	< 5.0	5.0		µg/L	1	4/28/2004 4:08:00 PM
1,1-Dichloroethene	< 5.0	5.0		µg/L	1	4/28/2004 4:08:00 PM
1,1-Dichloroethane	< 5.0	5.0		µg/L	1	4/28/2004 4:08:00 PM
trans-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	4/28/2004 4:08:00 PM
cis-1,2-Dichloroethene	12	5.0		µg/L	1	4/28/2004 4:08:00 PM
Chloroform	< 5.0	5.0		µg/L	1	4/28/2004 4:08:00 PM
1,2-Dichloroethane	< 5.0	5.0		µg/L	1	4/28/2004 4:08:00 PM
2-Butanone	< 10	10		µg/L	1	4/28/2004 4:08:00 PM
1,1,1-Trichloroethane	< 5.0	5.0		µg/L	1	4/28/2004 4:08:00 PM
Carbon tetrachloride	< 5.0	5.0		µg/L	1	4/28/2004 4:08:00 PM
Bromodichloromethane	< 5.0	5.0		µg/L	1	4/28/2004 4:08:00 PM
1,2-Dichloropropane	< 5.0	5.0		µg/L	1	4/28/2004 4:08:00 PM
cis-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	4/28/2004 4:08:00 PM
Trichloroethene	< 5.0	5.0		µg/L	1	4/28/2004 4:08:00 PM
Dibromochloromethane	< 5.0	5.0		µg/L	1	4/28/2004 4:08:00 PM
1,1,2-Trichloroethane	< 5.0	5.0		µg/L	1	4/28/2004 4:08:00 PM
Benzene	< 5.0	5.0		µg/L	1	4/28/2004 4:08:00 PM
trans-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	4/28/2004 4:08:00 PM
Bromoform	< 5.0	5.0		µg/L	1	4/28/2004 4:08:00 PM
4-Methyl-2-pentanone	< 10	10		µg/L	1	4/28/2004 4:08:00 PM
2-Hexanone	< 10	10		µg/L	1	4/28/2004 4:08:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *10-May-04*

CLIENT:	Clough Harbour & Associates	**Client Sample ID:**	MW-7
Lab Order:	040427036	**Collection Date:**	4/27/2004
Project:	Vatrano Road		
Lab ID:	040427036-004	**Matrix:**	GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS		**SW8260B**				Analyst: **ML**
Tetrachloroethene	5.3	5.0		µg/L	1	4/28/2004 4:08:00 PM
1,1,2,2-Tetrachloroethane	< 5.0	5.0		µg/L	1	4/28/2004 4:08:00 PM
Toluene	< 5.0	5.0		µg/L	1	4/28/2004 4:08:00 PM
Chlorobenzene	< 5.0	5.0		µg/L	1	4/28/2004 4:08:00 PM
Ethylbenzene	< 5.0	5.0		µg/L	1	4/28/2004 4:08:00 PM
Styrene	< 5.0	5.0		µg/L	1	4/28/2004 4:08:00 PM
m,p-Xylene	< 5.0	5.0		µg/L	1	4/28/2004 4:08:00 PM
o-Xylene	< 5.0	5.0		µg/L	1	4/28/2004 4:08:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *10-May-04*

CLIENT:	Clough Harbour & Associates	**Client Sample ID:**	MW-8
Lab Order:	040427036	**Collection Date:**	4/27/2004
Project:	Vatrano Road		
Lab ID:	040427036-005	**Matrix:**	GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PEST/PCB		**E608**		**(E608)**		Analyst: **KF**
Aroclor 1016	< 0.065	0.065		µg/L	1	4/28/2004 5:23:55 PM
Aroclor 1221	< 0.065	0.065		µg/L	1	4/28/2004 5:23:55 PM
Aroclor 1232	< 0.065	0.065		µg/L	1	4/28/2004 5:23:55 PM
Aroclor 1242	< 0.065	0.065		µg/L	1	4/28/2004 5:23:55 PM
Aroclor 1248	< 0.065	0.065		µg/L	1	4/28/2004 5:23:55 PM
Aroclor 1254	< 0.065	0.065		µg/L	1	4/28/2004 5:23:55 PM
Aroclor 1260	< 0.065	0.065		µg/L	1	4/28/2004 5:23:55 PM
ICP METALS		**E200.7**		**(SW3010A)**		Analyst: **SM**
Lead	< 0.005	0.005		mg/L	1	5/7/2004 2:52:00 PM
ICP DISSOLVED METAL		**E200.7F**		**(SW3005A)**		Analyst: **SM**
Lead, Dissolved	< 0.005	0.005		mg/L	1	5/7/2004 2:57:00 PM
DISSOLVED MERCURY		**E245.1F**		**(E245.1)**		Analyst: **KH**
Dissolved Mercury	< 0.0002	0.0002		mg/L	1	4/30/2004
MERCURY IN WATER		**E245.1**		**(E245.1)**		Analyst: **KH**
Mercury	< 0.0002	0.0002		mg/L	1	4/30/2004
VOLATILE ORGANICS		**SW8260B**				Analyst: **ML**
Chloromethane	< 10	10		µg/L	1	4/28/2004 4:37:00 PM
Bromomethane	< 10	10		µg/L	1	4/28/2004 4:37:00 PM
Vinyl chloride	< 10	10		µg/L	1	4/28/2004 4:37:00 PM
Chloroethane	< 10	10		µg/L	1	4/28/2004 4:37:00 PM
Methylene chloride	< 5.0	5.0		µg/L	1	4/28/2004 4:37:00 PM
Acetone	< 10	10		µg/L	1	4/28/2004 4:37:00 PM
Carbon disulfide	< 5.0	5.0		µg/L	1	4/28/2004 4:37:00 PM
1,1-Dichloroethene	< 5.0	5.0		µg/L	1	4/28/2004 4:37:00 PM
1,1-Dichloroethane	< 5.0	5.0		µg/L	1	4/28/2004 4:37:00 PM
trans-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	4/28/2004 4:37:00 PM
cis-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	4/28/2004 4:37:00 PM
Chloroform	< 5.0	5.0		µg/L	1	4/28/2004 4:37:00 PM
1,2-Dichloroethane	< 5.0	5.0		µg/L	1	4/28/2004 4:37:00 PM
2-Butanone	< 10	10		µg/L	1	4/28/2004 4:37:00 PM
1,1,1-Trichloroethane	< 5.0	5.0		µg/L	1	4/28/2004 4:37:00 PM
Carbon tetrachloride	< 5.0	5.0		µg/L	1	4/28/2004 4:37:00 PM
Bromodichloromethane	< 5.0	5.0		µg/L	1	4/28/2004 4:37:00 PM
1,2-Dichloropropane	< 5.0	5.0		µg/L	1	4/28/2004 4:37:00 PM
cis-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	4/28/2004 4:37:00 PM
Trichloroethene	< 5.0	5.0		µg/L	1	4/28/2004 4:37:00 PM
Dibromochloromethane	< 5.0	5.0		µg/L	1	4/28/2004 4:37:00 PM
1,1,2-Trichloroethane	< 5.0	5.0		µg/L	1	4/28/2004 4:37:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *10-May-04*

CLIENT:	Clough Harbour & Associates	**Client Sample ID:**	MW-8
Lab Order:	040427036	**Collection Date:**	4/27/2004
Project:	Vatrano Road		
Lab ID:	040427036-005	**Matrix:**	GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS		**SW8260B**				Analyst: **ML**
Benzene	< 5.0	5.0		µg/L	1	4/28/2004 4:37:00 PM
trans-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	4/28/2004 4:37:00 PM
Bromoform	< 5.0	5.0		µg/L	1	4/28/2004 4:37:00 PM
4-Methyl-2-pentanone	< 10	10		µg/L	1	4/28/2004 4:37:00 PM
2-Hexanone	< 10	10		µg/L	1	4/28/2004 4:37:00 PM
Tetrachloroethene	< 5.0	5.0		µg/L	1	4/28/2004 4:37:00 PM
1,1,2,2-Tetrachloroethane	< 5.0	5.0		µg/L	1	4/28/2004 4:37:00 PM
Toluene	< 5.0	5.0		µg/L	1	4/28/2004 4:37:00 PM
Chlorobenzene	< 5.0	5.0		µg/L	1	4/28/2004 4:37:00 PM
Ethylbenzene	< 5.0	5.0		µg/L	1	4/28/2004 4:37:00 PM
Styrene	< 5.0	5.0		µg/L	1	4/28/2004 4:37:00 PM
m,p-Xylene	< 5.0	5.0		µg/L	1	4/28/2004 4:37:00 PM
o-Xylene	< 5.0	5.0		µg/L	1	4/28/2004 4:37:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

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S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *10-May-04*

CLIENT: Clough Harbour & Associates
Client Sample ID: MW-9
Lab Order: 040427036
Collection Date: 4/27/2004
Project: Vatrano Road
Lab ID: 040427036-006
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PEST/PCB		**E608**		**(E608)**		Analyst: **KF**
Aroclor 1016	< 0.065	0.065		µg/L	1	4/28/2004 5:56:12 PM
Aroclor 1221	< 0.065	0.065		µg/L	1	4/28/2004 5:56:12 PM
Aroclor 1232	< 0.065	0.065		µg/L	1	4/28/2004 5:56:12 PM
Aroclor 1242	< 0.065	0.065		µg/L	1	4/28/2004 5:56:12 PM
Aroclor 1248	< 0.065	0.065		µg/L	1	4/28/2004 5:56:12 PM
Aroclor 1254	< 0.065	0.065		µg/L	1	4/28/2004 5:56:12 PM
Aroclor 1260	< 0.065	0.065		µg/L	1	4/28/2004 5:56:12 PM
ICP METALS		**E200.7**		**(SW3010A)**		Analyst: **SM**
Lead	< 0.005	0.005		mg/L	1	5/7/2004 3:00:00 PM
ICP DISSOLVED METAL		**E200.7F**		**(SW3005A)**		Analyst: **SM**
Lead, Dissolved	< 0.005	0.005		mg/L	1	5/7/2004 3:04:00 PM
DISSOLVED MERCURY		**E245.1F**		**(E245.1)**		Analyst: **KH**
Dissolved Mercury	< 0.0002	0.0002		mg/L	1	4/30/2004
MERCURY IN WATER		**E245.1**		**(E245.1)**		Analyst: **KH**
Mercury	< 0.0002	0.0002		mg/L	1	4/30/2004
VOLATILE ORGANICS		**SW8260B**				Analyst: **ML**
Chloromethane	< 10	10		µg/L	1	4/28/2004 5:07:00 PM
Bromomethane	< 10	10		µg/L	1	4/28/2004 5:07:00 PM
Vinyl chloride	< 10	10		µg/L	1	4/28/2004 5:07:00 PM
Chloroethane	< 10	10		µg/L	1	4/28/2004 5:07:00 PM
Methylene chloride	< 5.0	5.0		µg/L	1	4/28/2004 5:07:00 PM
Acetone	< 10	10		µg/L	1	4/28/2004 5:07:00 PM
Carbon disulfide	< 5.0	5.0		µg/L	1	4/28/2004 5:07:00 PM
1,1-Dichloroethene	< 5.0	5.0		µg/L	1	4/28/2004 5:07:00 PM
1,1-Dichloroethane	< 5.0	5.0		µg/L	1	4/28/2004 5:07:00 PM
trans-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	4/28/2004 5:07:00 PM
cis-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	4/28/2004 5:07:00 PM
Chloroform	< 5.0	5.0		µg/L	1	4/28/2004 5:07:00 PM
1,2-Dichloroethane	< 5.0	5.0		µg/L	1	4/28/2004 5:07:00 PM
2-Butanone	< 10	10		µg/L	1	4/28/2004 5:07:00 PM
1,1,1-Trichloroethane	< 5.0	5.0		µg/L	1	4/28/2004 5:07:00 PM
Carbon tetrachloride	< 5.0	5.0		µg/L	1	4/28/2004 5:07:00 PM
Bromodichloromethane	< 5.0	5.0		µg/L	1	4/28/2004 5:07:00 PM
1,2-Dichloropropane	< 5.0	5.0		µg/L	1	4/28/2004 5:07:00 PM
cis-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	4/28/2004 5:07:00 PM
Trichloroethene	< 5.0	5.0		µg/L	1	4/28/2004 5:07:00 PM
Dibromochloromethane	< 5.0	5.0		µg/L	1	4/28/2004 5:07:00 PM
1,1,2-Trichloroethane	< 5.0	5.0		µg/L	1	4/28/2004 5:07:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *10-May-04*

CLIENT:	Clough Harbour & Associates	**Client Sample ID:**	MW-9
Lab Order:	040427036	**Collection Date:**	4/27/2004
Project:	Vatrano Road		
Lab ID:	040427036-006	**Matrix:**	GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS		**SW8260B**				Analyst: **ML**
Benzene	< 5.0	5.0		µg/L	1	4/28/2004 5:07:00 PM
trans-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	4/28/2004 5:07:00 PM
Bromoform	< 5.0	5.0		µg/L	1	4/28/2004 5:07:00 PM
4-Methyl-2-pentanone	< 10	10		µg/L	1	4/28/2004 5:07:00 PM
2-Hexanone	< 10	10		µg/L	1	4/28/2004 5:07:00 PM
Tetrachloroethene	< 5.0	5.0		µg/L	1	4/28/2004 5:07:00 PM
1,1,2,2-Tetrachloroethane	< 5.0	5.0		µg/L	1	4/28/2004 5:07:00 PM
Toluene	< 5.0	5.0		µg/L	1	4/28/2004 5:07:00 PM
Chlorobenzene	< 5.0	5.0		µg/L	1	4/28/2004 5:07:00 PM
Ethylbenzene	< 5.0	5.0		µg/L	1	4/28/2004 5:07:00 PM
Styrene	< 5.0	5.0		µg/L	1	4/28/2004 5:07:00 PM
m,p-Xylene	< 5.0	5.0		µg/L	1	4/28/2004 5:07:00 PM
o-Xylene	< 5.0	5.0		µg/L	1	4/28/2004 5:07:00 PM

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ND - Not Detected at the Reporting Limit

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R - RPD outside accepted recovery limits

E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *10-May-04*

CLIENT:	Clough Harbour & Associates	**Client Sample ID:**	MW-10
Lab Order:	040428025	**Collection Date:**	4/28/2004
Project:	Vatrano Road		
Lab ID:	040428025-004	**Matrix:**	GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PEST/PCB		**E608**		**(E608)**		Analyst: **KF**
Aroclor 1016	< 0.325	0.325		µg/L	5	4/28/2004 11:19:20 PM
Aroclor 1221	< 0.325	0.325		µg/L	5	4/28/2004 11:19:20 PM
Aroclor 1232	< 0.325	0.325		µg/L	5	4/28/2004 11:19:20 PM
Aroclor 1242	< 0.325	0.325		µg/L	5	4/28/2004 11:19:20 PM
Aroclor 1248	< 0.325	0.325		µg/L	5	4/28/2004 11:19:20 PM
Aroclor 1254	< 0.325	0.325		µg/L	5	4/28/2004 11:19:20 PM
Aroclor 1260	12.2	0.325		µg/L	5	4/28/2004 11:19:20 PM
ICP METALS		**E200.7**		**(SW3010A)**		Analyst: **KH**
Lead	0.006	0.005		mg/L	1	5/7/2004 12:51:00 PM
ICP DISSOLVED METAL		**E200.7F**		**(SW3005A)**		Analyst: **KH**
Lead, Dissolved	< 0.005	0.005		mg/L	1	5/7/2004 1:08:00 PM
DISSOLVED MERCURY		**E245.1F**		**(E245.1)**		Analyst: **KH**
Dissolved Mercury	< 0.0002	0.0002		mg/L	1	4/30/2004
MERCURY IN WATER		**E245.1**		**(E245.1)**		Analyst: **KH**
Mercury	< 0.0002	0.0002		mg/L	1	4/30/2004
VOLATILE ORGANICS		**SW8260B**				Analyst: **ML**
Chloromethane	< 10	10		µg/L	1	4/29/2004 5:07:00 PM
Bromomethane	< 10	10		µg/L	1	4/29/2004 5:07:00 PM
Vinyl chloride	< 10	10		µg/L	1	4/29/2004 5:07:00 PM
Chloroethane	< 10	10		µg/L	1	4/29/2004 5:07:00 PM
Methylene chloride	< 5.0	5.0		µg/L	1	4/29/2004 5:07:00 PM
Acetone	< 10	10		µg/L	1	4/29/2004 5:07:00 PM
Carbon disulfide	< 5.0	5.0		µg/L	1	4/29/2004 5:07:00 PM
1,1-Dichloroethene	< 5.0	5.0		µg/L	1	4/29/2004 5:07:00 PM
1,1-Dichloroethane	< 5.0	5.0		µg/L	1	4/29/2004 5:07:00 PM
trans-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	4/29/2004 5:07:00 PM
cis-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	4/29/2004 5:07:00 PM
Chloroform	< 5.0	5.0		µg/L	1	4/29/2004 5:07:00 PM
1,2-Dichloroethane	< 5.0	5.0		µg/L	1	4/29/2004 5:07:00 PM
2-Butanone	< 10	10		µg/L	1	4/29/2004 5:07:00 PM
1,1,1-Trichloroethane	< 5.0	5.0		µg/L	1	4/29/2004 5:07:00 PM
Carbon tetrachloride	< 5.0	5.0		µg/L	1	4/29/2004 5:07:00 PM
Bromodichloromethane	< 5.0	5.0		µg/L	1	4/29/2004 5:07:00 PM
1,2-Dichloropropane	< 5.0	5.0		µg/L	1	4/29/2004 5:07:00 PM
cis-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	4/29/2004 5:07:00 PM
Trichloroethene	< 5.0	5.0		µg/L	1	4/29/2004 5:07:00 PM
Dibromochloromethane	< 5.0	5.0		µg/L	1	4/29/2004 5:07:00 PM
1,1,2-Trichloroethane	< 5.0	5.0		µg/L	1	4/29/2004 5:07:00 PM

Qualifiers:

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B - Analyte detected in the associated Method Blank

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S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *10-May-04*

CLIENT:	Clough Harbour & Associates	**Client Sample ID:**	MW-10
Lab Order:	040428025	**Collection Date:**	4/28/2004
Project:	Vatrano Road		
Lab ID:	040428025-004	**Matrix:**	GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS		**SW8260B**				Analyst: **ML**
Benzene	< 5.0	5.0		µg/L	1	4/29/2004 5:07:00 PM
trans-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	4/29/2004 5:07:00 PM
Bromoform	< 5.0	5.0		µg/L	1	4/29/2004 5:07:00 PM
4-Methyl-2-pentanone	< 10	10		µg/L	1	4/29/2004 5:07:00 PM
2-Hexanone	< 10	10		µg/L	1	4/29/2004 5:07:00 PM
Tetrachloroethene	< 5.0	5.0		µg/L	1	4/29/2004 5:07:00 PM
1,1,2,2-Tetrachloroethane	< 5.0	5.0		µg/L	1	4/29/2004 5:07:00 PM
Toluene	< 5.0	5.0		µg/L	1	4/29/2004 5:07:00 PM
Chlorobenzene	< 5.0	5.0		µg/L	1	4/29/2004 5:07:00 PM
Ethylbenzene	< 5.0	5.0		µg/L	1	4/29/2004 5:07:00 PM
Styrene	< 5.0	5.0		µg/L	1	4/29/2004 5:07:00 PM
m,p-Xylene	< 5.0	5.0		µg/L	1	4/29/2004 5:07:00 PM
o-Xylene	< 5.0	5.0		µg/L	1	4/29/2004 5:07:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *10-May-04*

CLIENT: Clough Harbour & Associates
Client Sample ID: Trip Blank Lot#090
Lab Order: 040427036
Collection Date: 4/27/2004
Project: Vatrano Road
Lab ID: 040427036-007
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS		**SW8260B**				Analyst: **ML**
Chloromethane	< 10	10		µg/L	1	4/28/2004 5:36:00 PM
Bromomethane	< 10	10		µg/L	1	4/28/2004 5:36:00 PM
Vinyl chloride	< 10	10		µg/L	1	4/28/2004 5:36:00 PM
Chloroethane	< 10	10		µg/L	1	4/28/2004 5:36:00 PM
Methylene chloride	< 5.0	5.0		µg/L	1	4/28/2004 5:36:00 PM
Acetone	< 10	10		µg/L	1	4/28/2004 5:36:00 PM
Carbon disulfide	< 5.0	5.0		µg/L	1	4/28/2004 5:36:00 PM
1,1-Dichloroethene	< 5.0	5.0		µg/L	1	4/28/2004 5:36:00 PM
1,1-Dichloroethane	< 5.0	5.0		µg/L	1	4/28/2004 5:36:00 PM
trans-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	4/28/2004 5:36:00 PM
cis-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	4/28/2004 5:36:00 PM
Chloroform	< 5.0	5.0		µg/L	1	4/28/2004 5:36:00 PM
1,2-Dichloroethane	< 5.0	5.0		µg/L	1	4/28/2004 5:36:00 PM
2-Butanone	< 10	10		µg/L	1	4/28/2004 5:36:00 PM
1,1,1-Trichloroethane	< 5.0	5.0		µg/L	1	4/28/2004 5:36:00 PM
Carbon tetrachloride	< 5.0	5.0		µg/L	1	4/28/2004 5:36:00 PM
Bromodichloromethane	< 5.0	5.0		µg/L	1	4/28/2004 5:36:00 PM
1,2-Dichloropropane	< 5.0	5.0		µg/L	1	4/28/2004 5:36:00 PM
cis-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	4/28/2004 5:36:00 PM
Trichloroethene	< 5.0	5.0		µg/L	1	4/28/2004 5:36:00 PM
Dibromochloromethane	< 5.0	5.0		µg/L	1	4/28/2004 5:36:00 PM
1,1,2-Trichloroethane	< 5.0	5.0		µg/L	1	4/28/2004 5:36:00 PM
Benzene	< 5.0	5.0		µg/L	1	4/28/2004 5:36:00 PM
trans-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	4/28/2004 5:36:00 PM
Bromoform	< 5.0	5.0		µg/L	1	4/28/2004 5:36:00 PM
4-Methyl-2-pentanone	< 10	10		µg/L	1	4/28/2004 5:36:00 PM
2-Hexanone	< 10	10		µg/L	1	4/28/2004 5:36:00 PM
Tetrachloroethene	< 5.0	5.0		µg/L	1	4/28/2004 5:36:00 PM
1,1,2,2-Tetrachloroethane	< 5.0	5.0		µg/L	1	4/28/2004 5:36:00 PM
Toluene	< 5.0	5.0		µg/L	1	4/28/2004 5:36:00 PM
Chlorobenzene	< 5.0	5.0		µg/L	1	4/28/2004 5:36:00 PM
Ethylbenzene	< 5.0	5.0		µg/L	1	4/28/2004 5:36:00 PM
Styrene	< 5.0	5.0		µg/L	1	4/28/2004 5:36:00 PM
m,p-Xylene	< 5.0	5.0		µg/L	1	4/28/2004 5:36:00 PM
o-Xylene	< 5.0	5.0		µg/L	1	4/28/2004 5:36:00 PM

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *10-May-04*

CLIENT: Clough Harbour & Associates
Client Sample ID: Trip Blank Lot#090
Lab Order: 040428025
Collection Date: 4/28/2004
Project: Vatrano Road
Lab ID: 040428025-005
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS		**SW8260B**				Analyst: **ML**
Chloromethane	< 10	10		µg/L	1	4/29/2004 5:36:00 PM
Bromomethane	< 10	10		µg/L	1	4/29/2004 5:36:00 PM
Vinyl chloride	< 10	10		µg/L	1	4/29/2004 5:36:00 PM
Chloroethane	< 10	10		µg/L	1	4/29/2004 5:36:00 PM
Methylene chloride	< 5.0	5.0		µg/L	1	4/29/2004 5:36:00 PM
Acetone	< 10	10		µg/L	1	4/29/2004 5:36:00 PM
Carbon disulfide	< 5.0	5.0		µg/L	1	4/29/2004 5:36:00 PM
1,1-Dichloroethene	< 5.0	5.0		µg/L	1	4/29/2004 5:36:00 PM
1,1-Dichloroethane	< 5.0	5.0		µg/L	1	4/29/2004 5:36:00 PM
trans-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	4/29/2004 5:36:00 PM
cis-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	4/29/2004 5:36:00 PM
Chloroform	< 5.0	5.0		µg/L	1	4/29/2004 5:36:00 PM
1,2-Dichloroethane	< 5.0	5.0		µg/L	1	4/29/2004 5:36:00 PM
2-Butanone	< 10	10		µg/L	1	4/29/2004 5:36:00 PM
1,1,1-Trichloroethane	< 5.0	5.0		µg/L	1	4/29/2004 5:36:00 PM
Carbon tetrachloride	< 5.0	5.0		µg/L	1	4/29/2004 5:36:00 PM
Bromodichloromethane	< 5.0	5.0		µg/L	1	4/29/2004 5:36:00 PM
1,2-Dichloropropane	< 5.0	5.0		µg/L	1	4/29/2004 5:36:00 PM
cis-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	4/29/2004 5:36:00 PM
Trichloroethene	< 5.0	5.0		µg/L	1	4/29/2004 5:36:00 PM
Dibromochloromethane	< 5.0	5.0		µg/L	1	4/29/2004 5:36:00 PM
1,1,2-Trichloroethane	< 5.0	5.0		µg/L	1	4/29/2004 5:36:00 PM
Benzene	< 5.0	5.0		µg/L	1	4/29/2004 5:36:00 PM
trans-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	4/29/2004 5:36:00 PM
Bromoform	< 5.0	5.0		µg/L	1	4/29/2004 5:36:00 PM
4-Methyl-2-pentanone	< 10	10		µg/L	1	4/29/2004 5:36:00 PM
2-Hexanone	< 10	10		µg/L	1	4/29/2004 5:36:00 PM
Tetrachloroethene	< 5.0	5.0		µg/L	1	4/29/2004 5:36:00 PM
1,1,2,2-Tetrachloroethane	< 5.0	5.0		µg/L	1	4/29/2004 5:36:00 PM
Toluene	< 5.0	5.0		µg/L	1	4/29/2004 5:36:00 PM
Chlorobenzene	< 5.0	5.0		µg/L	1	4/29/2004 5:36:00 PM
Ethylbenzene	< 5.0	5.0		µg/L	1	4/29/2004 5:36:00 PM
Styrene	< 5.0	5.0		µg/L	1	4/29/2004 5:36:00 PM
m,p-Xylene	< 5.0	5.0		µg/L	1	4/29/2004 5:36:00 PM
o-Xylene	< 5.0	5.0		µg/L	1	4/29/2004 5:36:00 PM

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

APPENDIX B

PURGE WATER DISPOSAL MANIFEST

NYG 2676951

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

Please type or print. Do not staple

(Hazardous Waste Manifest 1/5/99)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Doc. No.	2. Page 1 of	Information within heavy bold line is not required by Federal Law.
NYD980530164	76951	1	

3. Generator's Name and Mailing Address: General Electric Company
c/o Clough Harbour & Associates
PO Box 5269 11 Winners Circle
Albany, NY 12205

4. Generator's Telephone Number (518) 453-4500

A. NYG 2676951

B. Generator's ID: 14 Vatrano Road
Albany, NY 12205

5. Transporter 1 (Company Name)	6. US EPA ID Number
Clean Harbors Env. Services Inc.	MAD039322250
7. Transporter 2 (Company Name)	8. US EPA ID Number

C. State Transporter's ID: 23055JB (NY)

D. Transporter's Telephone (781) 849-1600

E. State Transporter's ID

F. Transporter's Telephone ( )

9. Designated Facility Name and Site Address	10. US EPA ID Number
Spring Grove Resource Recovery 4879 Spring Grove Avenue Cincinnati, OH 45232	OHD000816629

G. State Facility ID

H. Facility Telephone (513) 681-5738

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
NON DOT REGULATED MATERIAL WATER WITH TRACE TSCA REGULATED PCB'S, NON DOT HAZARDOUS, NONE, NONE	002	DM	XX100	6	EPA STATE B002
b.					EPA STATE
c					EPA STATE
d.					EPA STATE

GENERATOR

J. Additional Descriptions for Materials listed Above		K. Handling Codes for Wastes Listed Above	
a (L)	c	a	c
b	d	b	d

15. Special Handling Instructions and Additional Information
11a CH109913

IN EMERGENCY, CALL CHES 1-800-645-8265
WO# NY791356

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Mo.	Day	Year
James F. Harrington III (for G.E.)	X	05	26	04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year
Kurt S Wawrzstadt	Kurt S Wawrzstadt	05	26	04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo.	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Mo.	Day	Year

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the NYS Department of Environmental Conservation (518) 457-7362

INSTRUCTIONS FOR THE NEW YORK STATE UNIFORM HAZARDOUS WASTE MANIFEST

General Information

New York State regulation requires proper completion of all information on a manifest. Omissions, false coding or illegibility is considered a violation. All generators are responsible under New York State and Federal Law for the proper identification, labeling, manifesting and ultimate disposal of all hazardous waste they generate. The manifest system is designed to track hazardous waste from the point of generation until its final disposal (cradle to grave). In order to accomplish this goal, it is essential that all **items on a manifest be properly completed**.

Distribution

Distribution of each copy of the manifest is indicated on the bottom of the form. Copies of the manifest must be mailed promptly. New York State regulations provide five (5) working days for generator and two (2) for a TSDF. The disposer's state is the state in which the designated TSD facility is located. Generator's state is the state in which the installation generating the hazardous waste is located. TSD facility is a treatment, storage or disposal facility.

Generator Section

Item 1-Enter the US EPA ID number (twelve digit number issued by the federal government). The generator must assign a sequential unique, five digit number different for each manifest, as the manifest document number.

Item 2-If a continuation sheet is used, please enter the total number of sheets here. Any EPA approved continuation sheet may be used, but distribution and completion must meet New York manifest requirements. The document number in Item A must be placed in Item L of each continuation sheet.

Items 3 and **4**-Self-explanatory. These must correspond to the generator's US EPA ID number.

Items 5, 6, 7 and **8**-These are self-explanatory. These numbers must be secured from the transporter. If more than one transporter is used, the generator must supply additional copies of this manifest for each transporter copy (#5).

Items 9 and **10**-The designated TSD facility, name, address and ID number should appear here.

NOTE: All US EPA ID numbers are a twelve digit code starting off with the letters corresponding to the state in which the facility or transporter is located.

NOTE: Only New York State authorized transporters and TSD facilities are allowed to transport or receive hazardous waste in New York State. The generator shall check for authorization.

Item 11-USDOT requires the word "waste" before or in the shipping name for all hazardous waste. See 49 CFR 171 thru 177. Contact USDOT office for description assistance. Any waste in this box is considered a hazardous waste.

Item 12-

Number-indicate number of containers (use whole numbers).

Containers/Type

DM-Metal drums, barrels, kegs	DT-Dump trucks
DW-Wooden drums, barrels, kegs	CY-Cylinders
DF-Fiberboard or plastic drums, kegs	CM-Metal boxes, cartons, cases, roll-offs
TP-Tanks, portable	CW-Wooden boxes, cartons, cases
TT-Cargo tank, tank trucks	CF-Fiber or plastic boxes, cartons, cases
TC-Tank cars	BA-Burlap, cloth, paper or plastic bags

Public reporting burden for this collection of information is estimated to average: 37 minutes for generators, 15 minutes for transporters, and 10 minutes for treatment, storage, and disposal facilities. This includes time for reviewing instructions, gathering data, and completing and reviewing the form. Send comments regarding the burden estimate, including suggestions for reducing this burden to: Chief Information Policy Branch, PM-223. U.S. Environmental Protection Agency, 401 M Street S.W., Washington, DC 20460; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503

Item 13-Actual number of units indicated in box 14. (Do not use fractions or decimals).

Item 14-Units (wt/vol)

G-Gallons (liquids only)	L-Liters (liquids only)
P-Pounds	K-Kilograms
T-Tons (2,000 pounds)	M-Metric Tons (1,000 kilograms)
Y-Cubic Yards	N-Cubic Meters

Item 15-Use this space to indicate special transportation, treatment, storage or disposal or Bill of Lading information. If an alternate facility is designated, note it here. For international shipments, enter point of departure. Emergency response telephone numbers, or similar information may be included here.

Item 16-The authorized agent of the generator must read and then sign (by hand) and date this certification. The date is the date of receipt by transporter.

NEW YORK STATE REQUIRES THIS ADDITIONAL INFORMATION

Item A-Number preprinted by New York State Department of Environmental Conservation (NYSDEC).

Item B-Generator site address if different from mailing address. If same, write in same.

Item C and **E**-State of registration and motor vehicle license plate number of waste carrying portion of vehicle used to transport.

Item D and **F**-Telephone number of authorized agent.

Item G-No entry required by NYSDEC

Item H-Telephone number at site of TSD facility.

Item I-Hazardous waste numbers (letter and three digits) as assigned by 6 NYCRR Part 371 or 40 CFR 261 must be used to identify hazardous waste. Enter in top box by EPA. If waste is not hazardous in New York but regulated by another state, enter that state's waste code in bottom box.

Item J-If description in Item 11 (a,b,c,d) contains NOS or other general term, the hazardous waste constituent must be provided here for each. The specific gravity assumed to be one (1.00) unless indicated in lower right of each box.

Item K-Each material must be assigned an ultimate disposal method code as follows: L = Landfill, B = Incineration, heat recovery, burning, T = Chemical, physical, or biological treatment, R = Material recovery of more than 75 percent of the total material. Both the generator and the TSDF should agree on codes assigned in this item.

Transporter Section

Items 17 and **18**-Print or type the full name of person accepting responsibility and acknowledging receipt of material as listed on manifest for transport. Enter date of receipt and signature.

TSDF Section

Item 19-The authorized representative of the TSDF must note in the space any discrepancy between waste described on manifest and waste actually received. Any rejected materials should be listed and destination of those materials provided.

Item 20-The signature (by hand) of the authorized TSDF agent indicates acceptance (except for Item 19) and agreement with statements on this manifest. The date is the date of signature and receipt of shipment. A TSDF not providing ultimate disposal agrees to transfer waste to a TSDF authorized to provide ultimate disposal as indicated in Item K.

Additional Information

1. If the disposer state supplies a manifest, that state's form must be used. In any case, New York requires that both the generator and TSDF mail copies to the generator's state and the disposer's state, with the ultimate disposal method indicated in Item K.
2. There may be variations in the requirements between various states regarding Items A thru K, therefore, the generator should contact the disposer's state for specific details.
3. If assistance is needed in completion of this manifest, please contact NYSDEC Data Management Section at 518/457-6858 weekdays from 9:00 a.m. to 4:00 p.m.

CLOUGH, HARBOUR & ASSOCIATES
ENGINEERS, SURVEYORS, PLANNERS & LANDSCAPE ARCHITECTS

GROUNDWATER LEVEL/ELEVATION DATA

PROJECT Vultaro Road — FILE NO. 7899.1000.102

CLIENT General Electric — DATE 4/27/04

INSPECTOR Jamie Herrick / Scott Rogers

WELL	TOP OF RISER ELEVATION	WATER DEPTH	~~WATER~~ ELEVATION	Background PID = 0.0 ppm COMMENTS
mw-1		7.12'	0.0 ppm	PID Reading - 61.5 ppm
mw-2		10.27.	0.0 ppm	PID Reading - 16.7
mw-3		9.32	0.0 ppm	PID Reading 2.8 ppm
mw-4		8.67	0.0 ppm	PID Reading - 7.4 ppm
mw-5		8.80'	0.0 ppm	PID Reading - 0.0 ppm
mw-6		2.95'	0.0 ppm	PID Reading - 1.1 ppm
mw-7		3.08'	0.0 ppm	PID Reading - 3.4 ppm
mw-8		4.71'	0.0 ppm	PID Reading - 0.0 ppm
mw-9		11.80	0.0 ppm	PID Reading - 26.5 ppm
			5/6/04	
			PID Readings	
			Bkng: 0.0 ppm	

Clough, Harbour & Associates LLP Well Sampling Log	Sample Designation: MW-1
Project Name: VaTrano Road Project Location: Albany, NY	Project No: 7899.1000.1102 Date: 4/27/04 Screen Length: 10'

Purge Information:

(1) Depth to Bottom of Well: 17.94' (from TOR)

(2) Depth to Water: 7.12 ft (from TOR)

(3) Column of Water: 10.82' (#1 - #2)

(4) Casing Diameter: 2" in

(5) Volume Conversion: 0.163 gal/ft

(6) 1 Vol. of Well: 1.8 x 3 = 5.2 gal

Method of Purging: (WaTerra)/Bailer/Submersible/Other:

Volume Conversion:

(2" = 0.163) 4" = 0.653 6" = 1.469 8" = 2.611 10" = 4.08

Field Analysis: Began Purging at : 9:38 Am

Vol Purged (gal)	2	4	6					
Time	9:43 Am	9:55 Am	10:04 Am		10:05 Am			
ORP/EH (MV)	-86.0	-95.8	-197.5					
pH	6.49	6.94	7.17					
Cond. (uS) or mS)	2313/1687	1209/870	831/596					
Turb. (NTU)	192.4	205	243		3.21	Dissolved metals after Field Filtering		
Temp. (°C)	10.72	10.30	10.17					

Total Volume Purged: 6 gal Total Purge Time: 22 min

Sampling Info:

Sample Method: Grab / WaTerra

No. of Bottles: 5 (Dissolved metals Field Filtered)

Sample Time: 10:05 Am

Sample Analyses: TCL VOC's, PCB's, Total + Filtered (Dissolved) Pb + Hg

Comments: H2O very Turbid, mucky Brown w/ Tint orange

Logged By: JGH / SR

Clough, Harbour & Associates LLP
Well Sampling Log

Sample Designation: MW-2

Project Name: VaTrano Road
Project Location: Albany, NY

Project No: 7899.1000.1102
Date: 4/28/04
Screen Length: 10'

Purge Information:

(1) Depth to Bottom of Well: 19.94 (from TOR)

(2) Depth to Water: 10.27 ft (from TOR)

(3) Column of Water: 9.67 (#1 - #2)

(4) Casing Diameter: 2" in

(5) Volume Conversion: 0.163 gal/ft

(6) 1 Vol. of Well: 1.6 x 3 = 4.7 gal

Method of Purging: WaTerra/(Bailer)/Submersible/Other:

Volume Conversion:

(2" = 0.163) 4" = 0.653 6" = 1.469 8" = 2.611 10" = 4.08

Field Analysis: Began Purging at : 10:33 AM

Vol Purged (gal)	2	3.5	5					
Time	10:37 AM	10:40 AM	10:44 AM					
ORP/EH (MV)	54.3	32.2	20.9					
pH	7.45	7.37	7.33					
Cond. (uS) or mS)	570/413	570/414	574/416					
Turb. (NTU)	2.6	NA	NA (<50 NTU)					
Temp. (°C)	10.58	10.65	10.66					

Total Volume Purged: 5 gal Total Purge Time: 11 min

Sampling Info:

Sample Method: Grab/Bailer

No. of Bottles: 4 didn't Fill ~~Fltr~~ Dissolved metals bottle

Sample Time: 10:55 AM

Sample Analyses: TCL VOC's, PCB's, Total ~~Cr~~ Pb + Hg

Comments: H2O Relatively clean slightly Turbid / No odor

Turbidity meter not working from second set of Field parameters on

However samples Appeared To be < 50 NTU

∴ didn't Fill Filtered metals bottle.

Logged By: JGH / SR

U:\GEO\FORMS\WELLSAMP.LOG~

Clough, Harbour & Associates LLP Well Sampling Log	Sample Designation: MW-3
Project Name: VaTrano Road Project Location: Albany, NY	Project No: 7899.1000.1102 Date: 4/27/04 Screen Length: 10'

Purge Information:

(1) Depth to Bottom of Well: 20.00' (from TOR)

(2) Depth to Water: 9.32 ft (from TOR)

(3) Column of Water: 10.68' (#1 - #2)

(4) Casing Diameter: 2" in

(5) Volume Conversion: 0.163 gal/ft

(6) 1 Vol. of Well: 1.74 x 3 = 5.2 gal

Method of Purging: ~~WaTerra~~/Bailer/Submersible/Other: ~~Peristaltic~~

Volume Conversion:

2" = 0.163 | 4" = 0.653 | 6" = 1.469 | 8" = 2.611 | 10" = 4.08

Field Analysis: Began Purging at : 2:50 pm

Vol Purged (gal)	2	4	6					
Time	2:55 pm	3:00 pm	3:10 pm		3:15 pm			
ORP/EH (MV)	-59.5	-70.5	-70.0					
pH	7.32	7.33	7.24					
Cond. (uS or mS)	792/582	762/557	769/576			Field	Filtered	
Turb. (NTU)	41.3	25.3	12.0		0.4	For Dissolved		
Temp. (°C)	11.11	10.86	11.75				metals	

Total Volume Purged: 6 gal Total Purge Time: 20 min

Sampling Info:

Sample Method: Grab/~~Composite~~ Bailer

No. of Bottles: 5

Dissolved metals were Field Filtered

Sample Time: 3:15 pm

Sample Analyses: TCL VOC's, PCB's, Total + Filtered Pb + Hg

Comments: H_2O cloudy (Turbid) yellow orange ; No odors

- Note: Field Filtered D.M due to fact that sample did not appear to be ~~≤~~ 50 NTU even though Turbidit meter Read only ~~42~~ 12 NTU

Dissolved metals need To be Fixed in lab.

Logged By: JGH / SR

Clough, Harbour & Associates LLP Well Sampling Log	Sample Designation: MW-4
Project Name: VaTrano Road Project Location: Albany, NY	Project No: 7899.1000.1102 Date: 4/28/04 Screen Length: 10'

Purge Information:

(1) Depth to Bottom of Well: 18.82' (from TOR)

(2) Depth to Water: 8.67 ft (from TOR)

(3) Column of Water: 10.15' (#1 - #2)

(4) Casing Diameter: 2" in

(5) Volume Conversion: 0.163 gal/ft

(6) 1 Vol. of Well: 1.65 x 3 = 4.9 gal

Method of Purging: WaTerra/Bailer/Submersible/Other: _____

Volume Conversion:

2" = 0.163 | 4" = 0.653 | 6" = 1.469 | 8" = 2.611 | 10" = 4.08

Field Analysis: Began Purging at : 9:05 am

Vol Purged (gal)	2	3.5	5					
Time	9:10 AM	9:13 AM	9:15 AM		9:20 AM			
ORP/EH (MV)	9.4	0.7	-2.8					
pH	7.21	7.16	7.11					
Cond. (uS or mS)	721/524	731/529	758/551				Field Filtered	
Turb. (NTU)	32.0	21.0	15.6		0.3		For Dissolved	
Temp. (°C)	10.68	10.57	10.66				metals	

Total Volume Purged: _____ gal Total Purge Time: _____

Sampling Info:

Field Filtered Dissolved metals

Sample Method: Grab/Bailer

No. of Bottles: 5

Sample Time: 9:20 AM

Sample Analyses: TCL VOC's, PCB's, Total + Filtered Pb + Hg

Comments: H2O gray in color w/ much suspended particles / No odor

H2O appeared to be much more Turbid Than what Turbidity meter was Reading in Field Filtered for Dissolved metals

Logged By: JGH / SR

Dissolved Metals need To be Filtered by lab

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Clough, Harbour & Associates LLP Well Sampling Log	Sample Designation: MW-5 (MW-10 Dup)
Project Name: VaTrano Road Project Location: Albany, NY	Project No: 7899.1000.1102 Date: 4/28/04 Screen Length: 10'

Purge Information:

(1) Depth to Bottom of Well: 19.36 (from TOR)

(2) Depth to Water: 8.80 ft (from TOR)

(3) Column of Water: 10.56 (#1 - #2)

(4) Casing Diameter: 2" in

(5) Volume Conversion: 0.163 gal/ft

(6) 1 Vol. of Well: 1.72 x 3 = 5.16 gal

Method of Purging: WaTerra/Bailer/Submersible/Other:

Volume Conversion:

2" = 0.163 | 4" = 0.653 | 6" = 1.469 | 8" = 2.611 | 10" = 4.08

Field Analysis: Began Purging at: 9:38 AM

Vol Purged (gal)	2	4	6					
Time	9:43AM	9:46AM	10:50AM		10:55AM			
ORP/EH (MV)	48.1	25.0	10.4					
pH	7.22	7.17	7.10					
Cond. (uS or mS)	824/610	884/645	903/656			Field Filtered For Dissolved metals		
Turb. (NTU)	14.6	16.0	10.8		-0.1 (Battery low)			
Temp. (°C)	11.16	10.85	10.77					

Total Volume Purged: 6 gal Total Purge Time: 12 min

Sampling Info:

Sample Method: Grab/Bailer

Sample Time: 10:55 AM

No. of Bottles: 5 + 5 (Field Filtered For Dissolved metals)

Sample Analyses: TCL VOC's, PCB's, Total + Filtered Pb + Hg

Comments: (MW-10 Duplicate Taken Here)

H_2O cloudy pale yellow w/ much suspended fine solids / No odor

Turbidity appeared to be much greater than what meter was Reading

∴ Field Filtered for Dissolved Metals

Dissolved Metals need to be Filtered by lab

Logged By: JGH / SR

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Clough, Harbour & Associates LLP Well Sampling Log	Sample Designation: MW-6
Project Name: VaTrano Road Project Location: Albany, NY	Project No: 7899.1000.1102 Date: 4/27/09 Screen Length: 10'

Purge Information:

(1) Depth to Bottom of Well: ~~19.36'~~ 16.60' (from TOR)

(2) Depth to Water: 2.95 ft (from TOR)

(3) Column of Water: 13.65' (#1 - #2)

(4) Casing Diameter: 2" in

(5) Volume Conversion: 0.163 gal/ft

(6) 1 Vol. of Well: 2.2 x 3 = 6.6 gal

Method of Purging: WaTerra/Bailer/Submersible/Other:

Volume Conversion:

2" = 0.163 | 4" = 0.653 | 6" = 1.469 | 8" = 2.611 | 10" = 4.08

Field Analysis: Began Purging at : 11:37am

Vol Purged (gal)	2.5	5	7					
Time	11:37	11:40	11:45		11:50			
ORP/EH (MV)	-85.3	-73.3	-64.6					
pH	6.96	7.01	6.98					
Cond. (uS or mS)	843/569	818/659	793/558			Filtered for	Field Dissolved meter	
Turb. (NTU)	165	149	105		19.0			
Temp. (°C)	7.99	8.44	9.50					

Total Volume Purged: 7.0 gal Total Purge Time: 10 minutes

Sampling Info:

Sample Method: Grab/Bailer Dissolved metals Field Filtered

Sample Time: 11:50 No. of Bottles: 5

Sample Analyses: TCL VOC's, PCB's, Total + Filtered Pb + Hg

Comments: No odor, very turbid w/ much orange bacteria/algae.

H2O also has much dark Brown sediment

Dissolved metals need to be Field filtered.

Logged By: JSH/SR

Clough, Harbour & Associates LLP Well Sampling Log	Sample Designation: MW-7
Project Name: VaTrano Road Project Location: Albany, NY	Project No: 7899.1000.1102 Date: 4/27/04 Screen Length: 10'

Purge Information:

(1) Depth to Bottom of Well: 16.40' (from TOR)

(2) Depth to Water: 3.08 ft (from TOR)

(3) Column of Water: 13.32' (#1 - #2)

(4) Casing Diameter: 2" in

(5) Volume Conversion: 0.163 gal/ft

(6) 1 Vol. of Well: 2.2 x 3 = 6.6 gal

Method of Purging: WaTerra/Bailer/Submersible/Other:

Volume Conversion:

2" = 0.163 | 4" = 0.653 | 6" = 1.469 | 8" = 2.611 | 10" = 4.08

Field Analysis: Began Purging at : 11:00AM

Vol Purged (gal)	2.5	5	7					
Time	11:03AM	11:07AM	11:11Am		11:15AM			
ORP/EH (MV)	46.2	21.9	16.1					
pH	7.14	7.11	7.08					
Cond. (uS or mS)	778/561	811/582	846/610					
Turb. (NTU)	57.1	113	57.3		19.6			
Temp. (°C)	10.44	10.26	10.39					

Total Volume Purged: 7 gal Total Purge Time: 11 min

Sampling Info:

Sample Method: Grab/Bailer

Sample Time: 11:15Am

No. of Bottles: 5

Dissolved metals need NOT be Field Filtered

Sample Analyses: TCL VOC's, PCB's, Total + Filtered Pb + Hg

Comments: No odor / No sheen

much orange bacteria/algae in H_2O Column

Dissolved metals need To be "Filtered" by Lab

Logged By: JGH/SR

Clough, Harbour & Associates LLP
Well Sampling Log

Sample Designation: MW-8

Project Name: VaTrano Road
Project Location: Albany, NY

Project No: 7899.1000.1102
Date: 4/27/04
Screen Length: 10'

Purge Information:

(1) Depth to Bottom of Well: 15.96' (from TOR)
(2) Depth to Water: 4.71 ft (from TOR)
(3) Column of Water: 11.25 (#1 - #2)
(4) Casing Diameter: 2" in
(5) Volume Conversion: 0.163 gal/ft
(6) 1 Vol. of Well: 1.83 x 3 = 5.5 gal
Method of Purging: WaTerra/Bailer/Submersible/Other:

Volume Conversion:

2" = 0.163 | 4" = 0.653 | 6" = 1.469 | 8" = 2.611 | 10" = 4.08

Field Analysis: Began Purging at : 10:23

Vol Purged (gal)	2	4	6					
Time	10:27 Am	10:35 AM	10:40 Am		10:45 am			
ORP/EH (MV)	35.4	16.7	13.3					
pH	6.87	6.97	6.99					
Cond. (uS or mS)	78/546	945/660	1156/815		* Dissolved metals after Filtering			
Turb. (NTU)	126	92.3	76.8		1.23			
Temp. (°C)	9.23	9.24	9.53					

Total Volume Purged: 6 gal Total Purge Time: 17 min

Sampling Info:

Sample Method: Grab/Waterra
Sample Time: 10:45 Am
No. of Bottles: 5 (Dissolved metals - Field Filtered)
Sample Analyses: TCL VOC's, PCB's, Total + Filtered (Dissolved) Pb + Hg

Comments: H2O very Turbid, dark Brown, much sediment / No odors or sheen

Dissolved metals need To be "Fixed" by lab.

Logged By: JGH / SR

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Clough, Harbour & Associates LLP Well Sampling Log	Sample Designation: MW-9
Project Name: VaTrano Road Project Location: Albany, NY	Project No: 7899.1000.1102 Date: 4/27/04 Screen Length: 10'

Purge Information:

(1) Depth to Bottom of Well: 52.90' (from TOR)

(2) Depth to Water: 11.80 ft (from TOR)

(3) Column of Water: 41.10' (#1 - #2)

(4) Casing Diameter: 2" in

(5) Volume Conversion: 0.163 gal/ft

(6) 1 Vol. of Well: 6.7 x 3 = 20 gal

Method of Purging: WaTerra/Bailer/Submersible/Other:

Volume Conversion:

2" = 0.163 | 4" = 0.653 | 6" = 1.469 | 8" = 2.611 | 10" = 4.08

Field Analysis: Began Purging at : 1:38 pm

Vol Purged (gal)	7	14	20					
Time	1:50pm	1:13pm	2:30pm		2:35pm			
ORP/EH (MV)	3.0	13.4	-55.3					
pH	8.00	7.85	8.33			Field Filtered for Dissolved metals		
Cond. (uS or mS)	347/277	358/285	358/284					
Turb. (NTU)	7999	7999	7999		0.3			
Temp. (°C)	14.39	14.31	13.99					

Total Volume Purged: 20 gal Total Purge Time: 52 min

Sampling Info:

Sample Method: Grab/Waterra

No. of Bottles: 5

Dissolved metals Field Filtered

Sample Time: 2:35pm

Sample Analyses: TCL VOC's, PCB's, Total + Filtered Pb + Hg

Comments: H_2O Turbid (cloudy white/Brown) w/ much Fine sediment /s, IT no odor (chocolate milk like)

Replaced 53' of 1/2" Tubing + check valve

Dissolved metals need to be "fixed" by lab.

Logged By: JSH/SR

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New Tubing ?

APPENDIX D

CHAIN OF CUSTODY

Adirondack Environmental Services, Inc.
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

CHAIN OF CUSTODY RECORD

A full service analytical research laboratory offering solutions to environmental concerns

Client Name:	Address:	
CHA	17 Winners Circle, Albany, NY 12205	
Send Report To:	Project Name (Location)	Samplers: (Names)
Keith Cowan	Vatrano Road, Albany, NY	Scott Rosecrans
Client Phone No: 453-2899	PO Number:	Samplers: (Signature)
Client Fax No: 453-4773	7899	

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.	Sample Type Matrix	Comp	Grab	Number of Cont's	TLC Analysis Required
001	MW-1	4/27/04	10:05 (A) P	GW			5	VOC's, PCBs, total + Dissolved Lead + Mercury
002	MW-3		3:15 A (P)				5	
003	MW-6		1:50 (A) P				5	
004	MW-7		11:15 (A) P				4	(DA) (NO DISSOLVED Metals
005	MW-8		10:45 (A) P				5	
006	MW-9		2:35 (A) P				5	
007	TRIP BLANK - LOT # 090		NA A P					
			A P					
			A P					
			A P					
	040427036		A P					
			A P					
			A P					
			A P					

Turnaround Time Request:
☐ 1 Day ☐ 3 Day ☒ Normal
☐ 2 Day ☐ 5 Day

CC Report To:

Special Instructions/Remarks
MW-1, MW-3, MW-6, MW-8, MW-9 Field Filtered For Dissolved Metals
All Dissolved Metals Need To Be INCLUDE PRESERVATIVE BY LAB

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Received for Laboratory by:	Date/Time
	[signature]	4/27/04 4:10

TEMPERATURE
Ambient or (Chilled)
Notes: 4°C

PROPERLY PRESERVED
(Y) N
Notes: fixed in Lab MRA

RECEIVED WITHIN HOLDING TIMES
(Y) N
Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

Adirondack Environmental Services, Inc.®
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX
A full service analytical research laboratory offering solutions to environmental concerns

CHAIN OF CUSTODY RECORD

Client Name:	Address:	
CHA	111 Winners Circle Albany NY 12205	
Send Report To:	**Project Name (Location)**	**Samplers: (Names)**
Keith Cowan	Watervliet Rd. Albany, NY	Scott Rosecrans
Client Phone No: 453-2899	**PO Number:**	**Samplers: (Signature)**
Client Fax No: 453-4773	7899	Scott Rosecrans

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.	Sample Type: Matrix	Comp	Grab	Number of Cont's	Analysis Required
001	MW-2	4-28-04	1055 A/P	GW		X	4	TCL VOC's, PCB's, total + dissolved Lead - Mercury
002	MW-4		920 A/P				5	
003	MW-5		955 A/P				5	
004	MW-10		910 A/P				5	
005	TRIP BLANK COTH 090		A/P	WA		X	1	
			A/P					
			A/P					
	040428025		A/P					
			A/P					
			A/P					
			A/P					
			A/P					
			A/P					

Turnaround Time Request:
☐ 1 Day ☐ 3 Day ☑ Normal
☐ 2 Day ☐ 5 Day

CC Report To:

Special Instructions/Remarks
MW-2 - NTU below 50
MW-4 MW-5 MW-10 - Field Filtered, Lab unable to
Add Preservative to Field Filtered samples (MW-4), MW-5) MW-10)

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Scott Rosecrans		
Relinquished by: (Signature)	**Received for Laboratory by:**	**Date/Time**
	M.	4/28/4 1153

TEMPERATURE	PROPERLY PRESERVED	RECEIVED WITHIN HOLDING TIMES
Ambient or (Chilled)	(Y) N	(Y) N
Notes: 11°C	Notes: Fixed in Lab	Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

APPENDIX E

SITE PHOTOGRAPHS

Photograph 1. Access gate on east end of site with debris piled on the interior.

Photograph 2. Damaged protective bollard for MW-1 located at northwestern corner of the paved parking area between Buildings 14 and 16.

CLOUGH, HARBOUR & ASSOCIATES LLP ENGINEERS, SURVEYORS, PLANNERS & LANDSCAPE ARCHITECTS		**SITE PHOTOGRAPHS**
M:\7899\Vatrano Rd Reports\5-04REPphotos.doc	Date Taken: April 28, 2004	**Vatrano Road Site** **Albany, New York**

Photograph 3. Dislodged chain link fence at south end of paved parking area between Buildings 14 and 16.

Photograph 4. Dislodged chain link fence at south end of paved parking area between Buildings 14 and 16.

CLOUGH, HARBOUR & ASSOCIATES LLP ENGINEERS, SURVEYORS, PLANNERS & LANDSCAPE ARCHITECTS		**SITE PHOTOGRAPHS**
M:\7899\Vatrano Rd Reports\5-04REPphotos.doc	Date Taken: April 28, 2004	**Vatrano Road Site** **Albany, New York**

Photograph 5. Monitoring Wells #2, #9 and #3 located at the west end of the site, north of the rail road tracks.

Photograph 6. Monitoring Wells #4 and #5 located at the east end of the site, north of the rail road tracks.

Photograph 7. Monitoring Well #6 located at the east end of the site, south of the rail road tracks.

Photograph 8. Monitoring Well #7 located in the center of the site, south side of the rail road tracks.

CHA CLOUGH, HARBOUR & ASSOCIATES LLP ENGINEERS, SURVEYORS, PLANNERS & LANDSCAPE ARCHITECTS	**SITE PHOTOGRAPHS**
M:\7899\Vatrano Rd Reports\5-04REPphotos.doc Date Taken: April 28, 2004	**Vatrano Road Site** **Albany, New York**

Photograph 9. Monitoring Well #8 located at the west end of the site, south side of the rail road tracks.

Photograph 10. Labeled purged monitoring well water drums.

CHA CLOUGH, HARBOUR & ASSOCIATES LLP ENGINEERS, SURVEYORS, PLANNERS & LANDSCAPE ARCHITECTS		**SITE PHOTOGRAPHS**
M:\7899\Vatrano Rd Reports\5-04REPphotos.doc	Date Taken: April 28, 2004	**Vatrano Road Site Albany, New York**