CHA

December 22, 2005

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 2005 Annual Groundwater Monitoring Report for the Vatrano Road Site.

As stated in Section 5.0 of the report, on behalf of General Electric Company, CHA requests permission to remove monitoring wells MW-1 and MW-8 from the monitoring program. CHA is of the opinion that this is warranted as the data collected to date indicates that samples from these wells have been free of contamination for at least five sampling rounds. We will implement this recommendation during the March 2006 monitoring event unless NYSDEC is opposed to the elimination of these wells from the monitoring network.

Please do not hesitate to contact the undersigned if you have any questions regarding the enclosed report or the request to eliminate wells MW-1 and MW-8 from the monitoring program.

Very truly yours,

Clough Harbour & Associates LLP

James E. Herrick, III
Environmental Scientist III

KZ/jeh
cc: Eric Hamilton, DEC w/ enclosure
cc: Dawn Varacchi-Ives, GE w/ enclosure

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GROUNDWATER MONITORING REPORT
APRIL 2005 SAMPLING EVENT

for

THE VATRANO ROAD SITE
ALBANY, NEW YORK

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
INACTIVE HAZARDOUS WASTE SITE NUMBER: 401036

Prepared for:

Dawn Varacchi-Ives

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December 2005

CHA Project No.: 7899.1000.1102

Prepared By:

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1.0 INTRODUCTION

This is the fifth Annual Monitoring Report, following four 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 in 2004 and again in 2005, 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 2005 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 provides a site description, which gives a brief history of the site, subsurface geologic and hydrogeologic conditions, a description of the monitoring well network, and pre-remediation groundwater

sampling. Section 3.0 presents and discusses the conditions of the April 2005 sampling procedures, and the laboratory data. Section 4.0 is the Summary of the findings of the current sampling event relative to 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
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New York State Department of Environmental Conservation
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Albany, New York 12233-7014

and

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RHWRE
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Schenectady, New York 12306

and

Dawn Varacchi-Ives
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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.

The regional hydrogeologic feature controlling this area is the Hudson River, which is located between three and 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 indicates that 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 and 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

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 8, 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.*

and the protective steel bollard needed to be replaced. During late September 2005, CHA drove past the site and observed that MW-1 along with both protective steel bollards were totally gone. The protective steel bollards had been cut or broken off at the pavement level along with the 4-inch steel protective casing and 2-inch PVC riser pipe of MW-1. The opening of the 2-inch PVC riser pipe was plugged with debris (refer to Photographs Nos. 11 and 12). This well has obviously been compromised and will need to be properly abandoned and replaced.

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. At the time of 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. During the April 2005 sampling event, the fence was observed to be off of the ground, however, some sections of the fence were observed to be dislodged from the post supports and leaning toward the ground. (refer to Photograph No. 6). It was apparent that the fence had been repaired at some point after the April 2004 sampling event, but was re-damaged during snow removal efforts associated with the parking area during this past winter.

With the exception of well MW-1, all remaining on-site monitoring wells were in good condition and were 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. A reading of 0.0 ppm was registered on the PID meter after testing each of the nine wells in the monitoring network for the site. Therefore, no organic vapors were detected in any of the monitoring wells. 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.

As previously recommended by CHA, sampling during the April 2005 event was conducted by utilizing an accepted Low-Flow Purging and Sampling Method. All of the previously installed dedicated plastic Waterra tubing or bailers in each of the nine monitoring wells of the network were removed and replaced with new 3/8-inch High Density Polyethylene (HDPE) tubing. The use of dedicated tubing in each well prevents the potential for cross contamination. The lengths of installed tubing are recorded on the Well Sampling Logs included in Appendix C. Purge water from the on-site wells was placed in a properly labeled drum and was removed for proper disposal 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 drum containing the purged water from the wells (Photograph No. 10) is included in Appendix E.

Water was extracted from each well at a rate ranging from 150 to 300 ml/min via the newly installed dedicated tubing utilizing a combination of a submersible pump and a low-flow controller. As water was extracted from each well, field parameters including turbidity, temperature, pH, conductivity and Eh were obtained and recorded at five-minute time intervals. These parameters were recorded on the field sampling logs included as Appendix C. When each well achieved three consecutive sets of field parameter readings within accepted Low-Flow Sampling Standards, water samples were obtained. For QA/QC purposes, a blind duplicate sample (MW-10) and a trip blank 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 samples collected from wells MW-2, MW-3, MW-4, MW-5, and MW-9 were filtered in the field using a 0.45 μm filter and were submitted to the laboratory for both total and dissolved metals and PCB analyses. However, after these samples were submitted, the laboratory was

(6NYCRR 703). The complete data package from the April 2005 sampling event is included as Appendix A. Copies of the chains of custody are included as Appendix D.

As illustrated by Table 2, PCBs were detected in samples from wells MW-2, MW-5 and MW-6 during the 2005 sampling event. 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 overall concentrations of PCBs detected in the monitoring wells of the site have significantly decreased since remediation of the site was completed in 1997.

During the April 2005 sampling event, the detected concentration levels of PCBs in MW-2 (0.530 ug/l) and MW-5 (0.138 ug/l) were less than those detected in the April 2004 sampling event (0.910 ug/l and 12.3 ug/l respectively). In addition, PCBs were not detected in field filtered samples from MW-2 and MW-5 from the April 2005 sampling event.

If the turbidity of the groundwater from the wells at the time of sampling was above 50 NTUs during the April 2005 sampling event, then both an unfiltered and a filtered sample was obtained and submitted to the laboratory for PCB analysis. PCBs concentrations were not detected in the filtered samples. These results confirm PCBs are likely bound with the sediment found in these samples and are not dissolved in the groundwater. This was the case relative to the samples collected from wells MW-2, 5 and 10. The turbidity level of the groundwater sample from MW-6 at the time of sampling was less than 50 NTUs. As a result, the sample was not filtered prior to analysis.

Levels of PCBs were detected in MW-6 for the first time during the April 2005 sampling event. The concentration detected in this well (0.103 ug/l) was slightly above the New York State Groundwater Standard (6NYCRR 703) of 0.09 ug/l. As stated above, since the turbidity level of the water from this well was below 50 NTU at the time of sampling. A filtered sample was not submitted. However, based on the results from the field filtering of samples from MW-2 and MW-5, CHA believes the PCBs detected in MW-6 are similarly bound with the sediment in the sample and not dissolved in the groundwater.

Total and dissolved lead or mercury were not detected in any of the monitoring wells during this sampling event. During the April 2004 sampling event, levels of total lead were 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 of these wells were below the groundwater standard guidance value of 25 ug/l. In addition, the filtered groundwater samples from all three of these 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. In general, a decreasing trend has been noted relative to the concentration of lead since post-remediation sampling was first initiated in October 1998. It should also be noted that 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 historical VOC levels on-site, MW-2 continues to be the monitoring well most impacted by VOCs. During the April 2005 sampling event, concentrations of trichloroethene (22 ug/l), tetrachloroethene (160 ug/l), and 1,2-dichloroethene (63 ug/l) were detected in the sample collected from this well. These levels exceed the established NYSDEC standards of 5 ug/l for each of these parameters. There has been an overall trend of decreasing concentrations relative to the October 1998 monitoring event.

Concentrations of 1,2-dichloroethene were detected in samples from monitoring wells MW-4 and MW-7. The detected levels were 5.4 ug/l and 6.3 ug/l, respectively. Both of these values decreased relative to the April 2004 monitoring event and were within range of previously detected levels for these wells. However, the current levels of 1,2-dichloroethene in both of these wells, are in excess of the groundwater standard guidance value of 5.0 ug/l.

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. However, the level of acetone in the trip blank (10 ug/l) was equal to that of the laboratory's Practical Quantitative Limit (PQL). CHA contacted the laboratory to discuss this value and was informed by the director of the laboratory that since there were no detected levels of acetone in any of the submitted samples, this value was the result of laboratory contamination in the trip blank. 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 exception of the debris pile located within the entrance to the gate at the extreme eastern end of the site; the dislodged, but still intact, portion of the chain link fence located at the southern end of the paved parking area between Buildings 14 and 16; and the broken bollard and damaged protective steel casing and PVC riser pipe for MW-1. The remaining monitoring wells associated with the site were locked and were not damaged at the time of the April 2005 monitoring event. As stated previously in this report, as of late September 2005, all of the above ground structures of MW-1 and its associated bollards have been removed.

The laboratory results for the groundwater samples collected from the monitoring well network associated with the site in April 2005 indicate that PCBs were detected in three (MW-2 , MW-5 and MW-6) of the nine monitoring wells. Although lower than previous sampling events, the concentrations remain above standards in samples from MW-2 and MW-5. Sample MW-10, which is the duplicate sample of MW-5, showed a detection of PCBs less than the standard. PCBs were detected in MW-6 at 0.103 ug/l, slightly above the standard of 0.09 ug/l. Since groundwater from MW-2 and MW-5 remained turbid (greater than 50 NTUs) at the time of sampling, filtered samples from these wells were obtained and submitted for analysis of dissolved PCBs. Analysis of the filtered samples indicated that no detectable levels of PCBs were present. These results suggest that the PCBs present in the unfiltered samples are associated with the solids suspended in the groundwater and are not dissolved in the water.

The VOC levels detected in the groundwater samples in well MW-2 exhibited an overall decrease relative to the April 2004 levels, but continue to remain above standards. However, an overall decreasing trend in VOC concentration is evident when results are compared to the October 1998 sampling event for this well.

MW-4 and MW-7 samples were found to contain levels of 1,2-dichloroethene above the guidance

standards. The concentration levels of this parameter in the samples from both of these wells were lower than the April 2004 sampling event. Tetrachloroethene was not detected in the MW-7 sample during the April 2005 event.

Neither total nor dissolved mercury or lead were detected above the method detection limits in any of the nine monitoring wells during the April 2005 sampling event.

5.0 RECOMMENDATIONS

The March 2003 Annual Monitoring event was scheduled to be the 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 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 in PCB and VOC concentrations could be observed.

As a result of this recommendation, the annual monitoring program was extended for an additional year. After reviewing the laboratory results for the April 2004 event, variable PCB and VOC levels at concentrations above standards continued to be observed. As a result, CHA recommended that the annual monitoring program continue for an additional year so that conditions could be further observed. As a result of this recommendation, the annual monitoring program was extended for an additional year, and the results of the April 2005 sampling event have been presented and discussed in this report.

As with the 2004 monitoring data, the 2005 monitoring results continue to indicate generally decreasing PCB and VOC levels, with some concentrations remaining above standards. As a result, CHA recommends that the annual monitoring program continue for an additional year.

CHA also recommends that low-flow sampling procedures continue to be utilized in sample collection to lower the turbidity levels in the samples collected for PCB, lead and mercury analyses.

Finally, given that the data collected to date from samples from monitoring wells MW-1 and MW-8 indicate that the parameters of concern have not been present at levels in excess of method detection levels 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 monitor and evaluate hydraulic gradients and groundwater flow direction.

Finally, since MW-1 was observed to have been so severely damaged at some point between the April 2004 and April 2005 sampling events and subsequently destroyed sometime between the April 2005 sampling event and mid September 2005, CHA recommends that what remains of this well be properly abandoned. CHA further recommends that a replacement well be installed, slightly up gradient from the previous location providing that access will be granted from the current landowner. MW-1 should be replaced so that the hydraulic gradient across the site may continue to be evaluated. CHA also recommends that a flush mount casing be used to finish the new well in light of the heavy traffic at this location.

TABLES

TABLE 1

GROUNDWATER MONITORING WELL DATA & WATER ELEVATIONS

For the Vatrano Road Site, Albany, NY

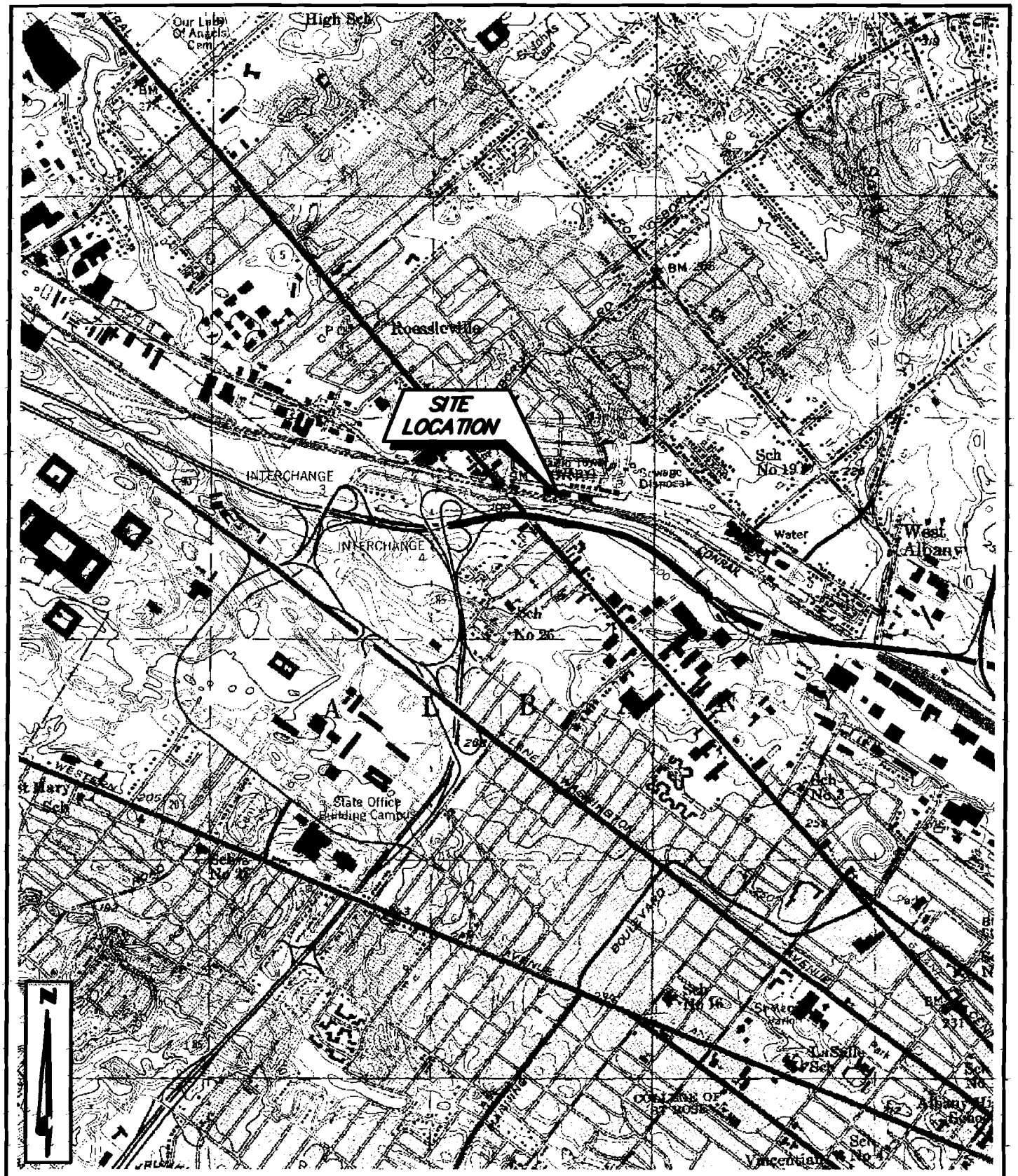
WELL #	Ground Elevation (ft MSL)	Elevation of Screened Interval (ft MSL)	PVC Stickup from ground (ft)	4/13/1998 Water Elev. (ft MSL)	10/28/1998 Water Elev. (ft MSL)	4/7/1999 Water Elev. (ft MSL)	10/25/1999 Water Elev. (ft MSL)	4/5/2000 Water Elev. (ft MSL)	3/23/2001 Water Elev. (ft MSL)	3/21/2002 Water Elev. (ft MSL)	3/19/2003 Water Elev. (ft MSL)	4/27/2004 Water Elev. (ft MSL)	4/4/2005 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	NA
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	209.51
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	209.22
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	209.31
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	209.18
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	200.33
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	203.00
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	203.65
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	205.78

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	5.180	1.200	ND	ND	ND	ND	ND	ND	ND
Jul-97	NA	3.190	0.680	NA	NA	NA	ND	ND	ND	ND
Apr-98	ND	0.383	ND	ND	17.000	ND	ND	ND	ND	ND
Oct-98	ND	0.3J	ND	ND	1.200	ND	ND	ND	ND	ND
Apr-99	ND	1.390	ND	ND	4.800	ND	ND	ND	ND	ND
Oct-99	ND	0.850	ND	ND	2.000	ND	ND	ND	ND	ND
Apr-00	ND	0.610	ND	ND	0.570	ND	ND	ND	ND	ND
Mar-01	ND	1.011	ND	ND	1.400	ND	ND	ND	ND	ND
Mar-02	ND	1.240	ND	ND	0.720	ND	ND	ND	ND	0.220
Mar-03	ND	1.620	ND	ND	6.270	ND	ND	ND	ND	10.300
Apr-04	ND	0.910	ND	ND	12.300	ND	ND	ND	ND	12.200
Apr-05	NA	0.530E	ND	ND	0.138E	0.103	ND	ND	ND	0.088E
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	23	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
Apr-05	NA	22	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
Apr-05	NA	160	ND	ND	ND	ND	ND	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	9.1	ND	ND	12	ND	ND	ND
Apr-05	NA	63	ND	5.4	ND	ND	6.3	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
Apr-05	NA	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	0.8	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
Apr-05	NA	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
Apr-05	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND

[*] 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
E= Filtered sample was non-detect for PCBs

FIGURES



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

SCALE: 1"=2000'

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III Winners Circle, PO Box 5269, Albany, NY 12205
Main: (518) 453-4500 - www.choughharbour.com

7899.1000.1102 | DATE: APRIL, 2005

FIGURE 1
SITE LOCATION MAP
VATRANO ROAD SITE
ALBANY
STATE OF NEW YORK

File: M:\7899\ACAD\SITELOC.dwg User: 330 6/8/2005 02:57 PM

VATRANO ROAD

LIMITS OF SITE REMEDIATION

PLACE FILL TO THE LIMITS INDICATED AND IN ACCORDANCE WITH SPECIFICATION SECTION 02700

EXISTING CONTOUR

BENCH MARK

MW-1

MW-2

MW-3

MW-4

MW-5

MW-6

MW-7

MW-8

MW-9

MOUNDED SAND PLATFORM

CONCRETE STAIRS

SEWER LINE APPROXIMATE LOCATION

SEWER CLEANOUT

PROPOSED GRADE (TYP)

WOOD DECK

WOOD STEPS AND 14'x12' WOOD DECK

FF ELEV=219.95'

NEW NIAGARA MOHAWK POWER POLE

UNDERGROUND BELL ATLANTIC LINE APPROXIMATE LOCATION

APPROXIMATE PROPERTY LINE

RAILROAD TRACKS

RAILROAD TRACK

BUILDING # 8

BUILDING # 10

BUILDING # 12

BUILDING # 14

BUILDING # 16

BUILDING # 19

GRAPHIC SCALE

SCALE: 1" = 40'

CLOUGH HARBOUR & ASSOCIATES LLP
III Winners Circle, PO Box 5269, Albany, NY 12205
Main: (518) 453-4500 · www.cloughharbour.com

DWG. NO. 7899.1000.1102 DATE APRIL, 2005

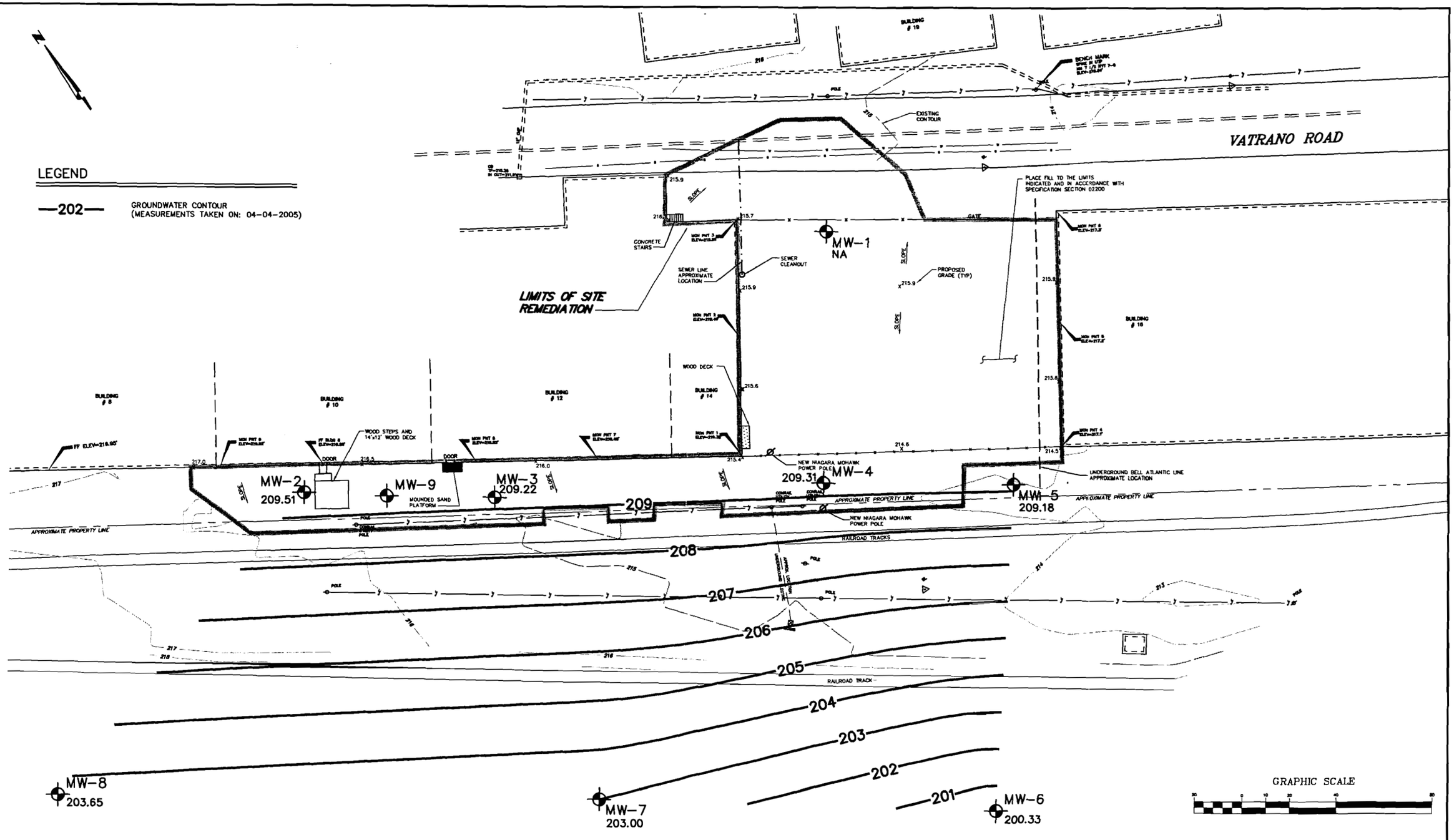
FIGURE 2

MONITORING REPORT

POST REMEDIATION CONDITIONS MAP

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

File: M:\7899\ACAD\POSTREM.dwg User: 330 6/8/2005 03:04 PM



SCALE: 1" = 40'

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DWG. NO. 7899.1000.1102 | DATE APRIL, 2005

FIGURE 3

MONITORING REPORT

APRIL, 2005 WATER TABLE GROUNDWATER CONTOUR MAP

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

File: M:\7899\ACAD\GW-4-2005.dwg User: 330 4/8/2005 07:48 AM

APPENDIX A

GROUNDWATER LABORATORY ANALYSIS

Adirondack Environmental Services, Inc

Date: *19-Apr-05*

CLIENT: Clough Harbour & Associates
Work Order: 050405034
Project: Vatrano Rd
PO#:
Project# : 7899.1000.1102

Client Sample ID: MW-2
Collection Date: 4/5/2005
Lab Sample ID: 050405034-001
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PEST/PCB E608(E608)						Analyst: **KF**
Aroclor 1016	< 0.065	0.065		µg/L	1	4/6/2005 10:12:20 PM
Aroclor 1221	< 0.065	0.065		µg/L	1	4/6/2005 10:12:20 PM
Aroclor 1232	< 0.065	0.065		µg/L	1	4/6/2005 10:12:20 PM
Aroclor 1242	< 0.065	0.065		µg/L	1	4/6/2005 10:12:20 PM
Aroclor 1248	< 0.065	0.065		µg/L	1	4/6/2005 10:12:20 PM
Aroclor 1254	0.530	0.065		µg/L	1	4/6/2005 10:12:20 PM
Aroclor 1260	< 0.065	0.065		µg/L	1	4/6/2005 10:12:20 PM
POLYCHLORINATED BIPHENYLS SW8082(E608)						Analyst: **KF**
Aroclor 1016 - Filtered	< 0.065	0.065		µg/L	1	4/6/2005 10:45:33 PM
Aroclor 1221 - Filtered	< 0.065	0.065		µg/L	1	4/6/2005 10:45:33 PM
Aroclor 1232 - Filtered	< 0.065	0.065		µg/L	1	4/6/2005 10:45:33 PM
Aroclor 1242 - Filtered	< 0.065	0.065		µg/L	1	4/6/2005 10:45:33 PM
Aroclor 1248 - Filtered	< 0.065	0.065		µg/L	1	4/6/2005 10:45:33 PM
Aroclor 1254 - Filtered	< 0.065	0.065		µg/L	1	4/6/2005 10:45:33 PM
Aroclor 1260 - Filtered	< 0.065	0.065		µg/L	1	4/6/2005 10:45:33 PM
ICP METALS E200.7(SW3010A)						Analyst: **KH**
Lead	< 0.005	0.005		mg/L	1	4/18/2005 1:24:00 PM
ICP DISSOLVED METAL E200.7F(SW3005A)						Analyst: **KH**
Lead, Dissolved	< 0.005	0.005		mg/L	1	4/18/2005 1:44:00 PM
MERCURY E245.1(E245.1)						Analyst: **SM**
Mercury	< 0.0002	0.0002		mg/L	1	4/6/2005
VOLATILE ORGANICS SW8260B						Analyst: **MG**
Chloromethane	< 10	10		µg/L	1	4/13/2005 1:21:00 PM
Bromomethane	< 10	10		µg/L	1	4/13/2005 1:21:00 PM
Vinyl chloride	< 10	10		µg/L	1	4/13/2005 1:21:00 PM
Chloroethane	< 10	10		µg/L	1	4/13/2005 1:21:00 PM
Methylene chloride	< 5.0	5.0		µg/L	1	4/13/2005 1:21:00 PM
Acetone	< 10	10		µg/L	1	4/13/2005 1:21:00 PM
Carbon disulfide	< 5.0	5.0		µg/L	1	4/13/2005 1:21:00 PM
1,1-Dichloroethene	< 5.0	5.0		µg/L	1	4/13/2005 1:21:00 PM
1,1-Dichloroethane	< 5.0	5.0		µg/L	1	4/13/2005 1:21:00 PM
trans-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	4/13/2005 1:21:00 PM
cis-1,2-Dichloroethene	63	5.0		µg/L	1	4/13/2005 1:21:00 PM
Chloroform	< 5.0	5.0		µg/L	1	4/13/2005 1:21:00 PM
1,2-Dichloroethane	< 5.0	5.0		µg/L	1	4/13/2005 1:21:00 PM
2-Butanone	< 10	10		µg/L	1	4/13/2005 1:21:00 PM
1,1,1-Trichloroethane	< 5.0	5.0		µg/L	1	4/13/2005 1:21:00 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
T - Tentitively Identified Compound-Estimated Conc.
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *19-Apr-05*

CLIENT: Clough Harbour & Associates
Work Order: 050405034
Project: Vatrano Rd
PO#:
Project# : 7899.1000.1102

Client Sample ID: MW-2
Collection Date: 4/5/2005
Lab Sample ID: 050405034-001
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS SW8260B						Analyst: **MG**
Carbon tetrachloride	< 5.0	5.0		µg/L	1	4/13/2005 1:21:00 PM
Bromodichloromethane	< 5.0	5.0		µg/L	1	4/13/2005 1:21:00 PM
1,2-Dichloropropane	< 5.0	5.0		µg/L	1	4/13/2005 1:21:00 PM
cis-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	4/13/2005 1:21:00 PM
Trichloroethene	22	5.0		µg/L	1	4/13/2005 1:21:00 PM
Dibromochloromethane	< 5.0	5.0		µg/L	1	4/13/2005 1:21:00 PM
1,1,2-Trichloroethane	< 5.0	5.0		µg/L	1	4/13/2005 1:21:00 PM
Benzene	< 5.0	5.0		µg/L	1	4/13/2005 1:21:00 PM
trans-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	4/13/2005 1:21:00 PM
Bromoform	< 5.0	5.0		µg/L	1	4/13/2005 1:21:00 PM
4-Methyl-2-pentanone	< 10	10		µg/L	1	4/13/2005 1:21:00 PM
2-Hexanone	< 10	10		µg/L	1	4/13/2005 1:21:00 PM
Tetrachloroethene	160	5.0		µg/L	1	4/13/2005 1:21:00 PM
1,1,2,2-Tetrachloroethane	< 5.0	5.0		µg/L	1	4/13/2005 1:21:00 PM
Toluene	< 5.0	5.0		µg/L	1	4/13/2005 1:21:00 PM
Chlorobenzene	< 5.0	5.0		µg/L	1	4/13/2005 1:21:00 PM
Ethylbenzene	< 5.0	5.0		µg/L	1	4/13/2005 1:21:00 PM
Styrene	< 5.0	5.0		µg/L	1	4/13/2005 1:21:00 PM
m,p-Xylene	< 5.0	5.0		µg/L	1	4/13/2005 1:21:00 PM
o-Xylene	< 5.0	5.0		µg/L	1	4/13/2005 1:21:00 PM
Methyl tert-butyl ether	< 5.0	5.0		µg/L	1	4/13/2005 1:21:00 PM
Dichlorodifluoromethane	< 10	10		µg/L	1	4/13/2005 1:21:00 PM
Methyl Acetate	< 5.0	5.0		µg/L	1	4/13/2005 1:21:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 5.0	5.0		µg/L	1	4/13/2005 1:21:00 PM
Cyclohexane	< 10	10		µg/L	1	4/13/2005 1:21:00 PM
Trichlorofluoromethane	< 5.0	5.0		µg/L	1	4/13/2005 1:21:00 PM
Methyl Cyclohexane	< 5.0	5.0		µg/L	1	4/13/2005 1:21:00 PM
1,2-Dibromoethane	< 5.0	5.0		µg/L	1	4/13/2005 1:21:00 PM
1,3-Dichlorobenzene	< 5.0	5.0		µg/L	1	4/13/2005 1:21:00 PM
Isopropylbenzene	< 5.0	5.0		µg/L	1	4/13/2005 1:21:00 PM
1,2-Dichlorobenzene	< 5.0	5.0		µg/L	1	4/13/2005 1:21:00 PM
1,4-Dichlorobenzene	< 5.0	5.0		µg/L	1	4/13/2005 1:21:00 PM
1,2-Dibromo-3-chloropropane	< 10	10		µg/L	1	4/13/2005 1:21:00 PM
1,2,4-Trichlorobenzene	< 5.0	5.0		µg/L	1	4/13/2005 1:21:00 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
T - Tentitively Identified Compound-Estimated Conc.
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *19-Apr-05*

CLIENT: Clough Harbour & Associates
Work Order: 050405034
Project: Vatrano Rd
PO#:
Project# : 7899.1000.1102

Client Sample ID: MW-3
Collection Date: 4/5/2005
Lab Sample ID: 050405034-002
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PEST/PCB E608(E608)						Analyst: **KF**
Aroclor 1016	< 0.065	0.065		µg/L	1	4/6/2005 3:51:42 PM
Aroclor 1221	< 0.065	0.065		µg/L	1	4/6/2005 3:51:42 PM
Aroclor 1232	< 0.065	0.065		µg/L	1	4/6/2005 3:51:42 PM
Aroclor 1242	< 0.065	0.065		µg/L	1	4/6/2005 3:51:42 PM
Aroclor 1248	< 0.065	0.065		µg/L	1	4/6/2005 3:51:42 PM
Aroclor 1254	< 0.065	0.065		µg/L	1	4/6/2005 3:51:42 PM
Aroclor 1260	< 0.065	0.065		µg/L	1	4/6/2005 3:51:42 PM
ICP METALS E200.7(SW3010A)						Analyst: **KH**
Lead	< 0.005	0.005		mg/L	1	4/19/2005 12:03:00 PM
MERCURY E245.1(E245.1)						Analyst: **SM**
Mercury	< 0.0002	0.0002		mg/L	1	4/6/2005
VOLATILE ORGANICS SW8260B						Analyst: **MG**
Chloromethane	< 10	10		µg/L	1	4/13/2005 1:44:00 PM
Bromomethane	< 10	10		µg/L	1	4/13/2005 1:44:00 PM
Vinyl chloride	< 10	10		µg/L	1	4/13/2005 1:44:00 PM
Chloroethane	< 10	10		µg/L	1	4/13/2005 1:44:00 PM
Methylene chloride	< 5.0	5.0		µg/L	1	4/13/2005 1:44:00 PM
Acetone	< 10	10		µg/L	1	4/13/2005 1:44:00 PM
Carbon disulfide	< 5.0	5.0		µg/L	1	4/13/2005 1:44:00 PM
1,1-Dichloroethene	< 5.0	5.0		µg/L	1	4/13/2005 1:44:00 PM
1,1-Dichloroethane	< 5.0	5.0		µg/L	1	4/13/2005 1:44:00 PM
trans-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	4/13/2005 1:44:00 PM
cis-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	4/13/2005 1:44:00 PM
Chloroform	< 5.0	5.0		µg/L	1	4/13/2005 1:44:00 PM
1,2-Dichloroethane	< 5.0	5.0		µg/L	1	4/13/2005 1:44:00 PM
2-Butanone	< 10	10		µg/L	1	4/13/2005 1:44:00 PM
1,1,1-Trichloroethane	< 5.0	5.0		µg/L	1	4/13/2005 1:44:00 PM
Carbon tetrachloride	< 5.0	5.0		µg/L	1	4/13/2005 1:44:00 PM
Bromodichloromethane	< 5.0	5.0		µg/L	1	4/13/2005 1:44:00 PM
1,2-Dichloropropane	< 5.0	5.0		µg/L	1	4/13/2005 1:44:00 PM
cis-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	4/13/2005 1:44:00 PM
Trichloroethene	< 5.0	5.0		µg/L	1	4/13/2005 1:44:00 PM
Dibromochloromethane	< 5.0	5.0		µg/L	1	4/13/2005 1:44:00 PM
1,1,2-Trichloroethane	< 5.0	5.0		µg/L	1	4/13/2005 1:44:00 PM
Benzene	< 5.0	5.0		µg/L	1	4/13/2005 1:44:00 PM
trans-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	4/13/2005 1:44:00 PM
Bromoform	< 5.0	5.0		µg/L	1	4/13/2005 1:44:00 PM
4-Methyl-2-pentanone	< 10	10		µg/L	1	4/13/2005 1:44:00 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
T - Tentitively Identified Compound-Estimated Conc.
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *19-Apr-05*

CLIENT: Clough Harbour & Associates
Work Order: 050405034
Project: Vatrano Rd
PO#:
Project# : 7899.1000.1102

Client Sample ID: MW-3
Collection Date: 4/5/2005
Lab Sample ID: 050405034-002
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS SW8260B						Analyst: **MG**
2-Hexanone	< 10	10		µg/L	1	4/13/2005 1:44:00 PM
Tetrachloroethene	< 5.0	5.0		µg/L	1	4/13/2005 1:44:00 PM
1,1,2,2-Tetrachloroethane	< 5.0	5.0		µg/L	1	4/13/2005 1:44:00 PM
Toluene	< 5.0	5.0		µg/L	1	4/13/2005 1:44:00 PM
Chlorobenzene	< 5.0	5.0		µg/L	1	4/13/2005 1:44:00 PM
Ethylbenzene	< 5.0	5.0		µg/L	1	4/13/2005 1:44:00 PM
Styrene	< 5.0	5.0		µg/L	1	4/13/2005 1:44:00 PM
m,p-Xylene	< 5.0	5.0		µg/L	1	4/13/2005 1:44:00 PM
o-Xylene	< 5.0	5.0		µg/L	1	4/13/2005 1:44:00 PM
Methyl tert-butyl ether	< 5.0	5.0		µg/L	1	4/13/2005 1:44:00 PM
Dichlorodifluoromethane	< 10	10		µg/L	1	4/13/2005 1:44:00 PM
Methyl Acetate	< 5.0	5.0		µg/L	1	4/13/2005 1:44:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 5.0	5.0		µg/L	1	4/13/2005 1:44:00 PM
Cyclohexane	< 10	10		µg/L	1	4/13/2005 1:44:00 PM
Trichlorofluoromethane	< 5.0	5.0		µg/L	1	4/13/2005 1:44:00 PM
Methyl Cyclohexane	< 5.0	5.0		µg/L	1	4/13/2005 1:44:00 PM
1,2-Dibromoethane	< 5.0	5.0		µg/L	1	4/13/2005 1:44:00 PM
1,3-Dichlorobenzene	< 5.0	5.0		µg/L	1	4/13/2005 1:44:00 PM
Isopropylbenzene	< 5.0	5.0		µg/L	1	4/13/2005 1:44:00 PM
1,2-Dichlorobenzene	< 5.0	5.0		µg/L	1	4/13/2005 1:44:00 PM
1,4-Dichlorobenzene	< 5.0	5.0		µg/L	1	4/13/2005 1:44:00 PM
1,2-Dibromo-3-chloropropane	< 10	10		µg/L	1	4/13/2005 1:44:00 PM
1,2,4-Trichlorobenzene	< 5.0	5.0		µg/L	1	4/13/2005 1:44:00 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
T - Tentitively Identified Compound-Estimated Conc.
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *19-Apr-05*

CLIENT:	Clough Harbour & Associates	**Client Sample ID:**	MW-4
Work Order:	050405034	**Collection Date:**	4/5/2005
Project:	Vatrano Rd	**Lab Sample ID:**	050405034-003
PO#:		**Matrix:**	WATER

Project# : 7899.1000.1102

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PEST/PCB E608(E608)						Analyst: **KF**
Aroclor 1016	< 0.065	0.065		µg/L	1	4/6/2005 4:44:48 PM
Aroclor 1221	< 0.065	0.065		µg/L	1	4/6/2005 4:44:48 PM
Aroclor 1232	< 0.065	0.065		µg/L	1	4/6/2005 4:44:48 PM
Aroclor 1242	< 0.065	0.065		µg/L	1	4/6/2005 4:44:48 PM
Aroclor 1248	< 0.065	0.065		µg/L	1	4/6/2005 4:44:48 PM
Aroclor 1254	< 0.065	0.065		µg/L	1	4/6/2005 4:44:48 PM
Aroclor 1260	< 0.065	0.065		µg/L	1	4/6/2005 4:44:48 PM
ICP METALS E200.7(SW3010A)						Analyst: **KH**
Lead	< 0.005	0.005		mg/L	1	4/19/2005 12:08:00 PM
MERCURY E245.1(E245.1)						Analyst: **SM**
Mercury	< 0.0002	0.0002		mg/L	1	4/6/2005
VOLATILE ORGANICS SW8260B						Analyst: **MG**
Chloromethane	< 10	10		µg/L	1	4/13/2005 2:08:00 PM
Bromomethane	< 10	10		µg/L	1	4/13/2005 2:08:00 PM
Vinyl chloride	< 10	10		µg/L	1	4/13/2005 2:08:00 PM
Chloroethane	< 10	10		µg/L	1	4/13/2005 2:08:00 PM
Methylene chloride	< 5.0	5.0		µg/L	1	4/13/2005 2:08:00 PM
Acetone	< 10	10		µg/L	1	4/13/2005 2:08:00 PM
Carbon disulfide	< 5.0	5.0		µg/L	1	4/13/2005 2:08:00 PM
1,1-Dichloroethene	< 5.0	5.0		µg/L	1	4/13/2005 2:08:00 PM
1,1-Dichloroethane	< 5.0	5.0		µg/L	1	4/13/2005 2:08:00 PM
trans-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	4/13/2005 2:08:00 PM
cis-1,2-Dichloroethene	5.4	5.0		µg/L	1	4/13/2005 2:08:00 PM
Chloroform	< 5.0	5.0		µg/L	1	4/13/2005 2:08:00 PM
1,2-Dichloroethane	< 5.0	5.0		µg/L	1	4/13/2005 2:08:00 PM
2-Butanone	< 10	10		µg/L	1	4/13/2005 2:08:00 PM
1,1,1-Trichloroethane	< 5.0	5.0		µg/L	1	4/13/2005 2:08:00 PM
Carbon tetrachloride	< 5.0	5.0		µg/L	1	4/13/2005 2:08:00 PM
Bromodichloromethane	< 5.0	5.0		µg/L	1	4/13/2005 2:08:00 PM
1,2-Dichloropropane	< 5.0	5.0		µg/L	1	4/13/2005 2:08:00 PM
cis-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	4/13/2005 2:08:00 PM
Trichloroethene	< 5.0	5.0		µg/L	1	4/13/2005 2:08:00 PM
Dibromochloromethane	< 5.0	5.0		µg/L	1	4/13/2005 2:08:00 PM
1,1,2-Trichloroethane	< 5.0	5.0		µg/L	1	4/13/2005 2:08:00 PM
Benzene	< 5.0	5.0		µg/L	1	4/13/2005 2:08:00 PM
trans-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	4/13/2005 2:08:00 PM
Bromoform	< 5.0	5.0		µg/L	1	4/13/2005 2:08:00 PM
4-Methyl-2-pentanone	< 10	10		µg/L	1	4/13/2005 2:08:00 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

T - Tentitively Identified Compound-Estimated Conc.

E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *19-Apr-05*

CLIENT: Clough Harbour & Associates
Work Order: 050405034
Project: Vatrano Rd
PO#:
Project# : 7899.1000.1102

Client Sample ID: MW-4
Collection Date: 4/5/2005
Lab Sample ID: 050405034-003
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS SW8260B						Analyst: **MG**
2-Hexanone	< 10	10		µg/L	1	4/13/2005 2:08:00 PM
Tetrachloroethene	< 5.0	5.0		µg/L	1	4/13/2005 2:08:00 PM
1,1,2,2-Tetrachloroethane	< 5.0	5.0		µg/L	1	4/13/2005 2:08:00 PM
Toluene	< 5.0	5.0		µg/L	1	4/13/2005 2:08:00 PM
Chlorobenzene	< 5.0	5.0		µg/L	1	4/13/2005 2:08:00 PM
Ethylbenzene	< 5.0	5.0		µg/L	1	4/13/2005 2:08:00 PM
Styrene	< 5.0	5.0		µg/L	1	4/13/2005 2:08:00 PM
m,p-Xylene	< 5.0	5.0		µg/L	1	4/13/2005 2:08:00 PM
o-Xylene	< 5.0	5.0		µg/L	1	4/13/2005 2:08:00 PM
Methyl tert-butyl ether	< 5.0	5.0		µg/L	1	4/13/2005 2:08:00 PM
Dichlorodifluoromethane	< 10	10		µg/L	1	4/13/2005 2:08:00 PM
Methyl Acetate	< 5.0	5.0		µg/L	1	4/13/2005 2:08:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 5.0	5.0		µg/L	1	4/13/2005 2:08:00 PM
Cyclohexane	< 10	10		µg/L	1	4/13/2005 2:08:00 PM
Trichlorofluoromethane	< 5.0	5.0		µg/L	1	4/13/2005 2:08:00 PM
Methyl Cyclohexane	< 5.0	5.0		µg/L	1	4/13/2005 2:08:00 PM
1,2-Dibromoethane	< 5.0	5.0		µg/L	1	4/13/2005 2:08:00 PM
1,3-Dichlorobenzene	< 5.0	5.0		µg/L	1	4/13/2005 2:08:00 PM
Isopropylbenzene	< 5.0	5.0		µg/L	1	4/13/2005 2:08:00 PM
1,2-Dichlorobenzene	< 5.0	5.0		µg/L	1	4/13/2005 2:08:00 PM
1,4-Dichlorobenzene	< 5.0	5.0		µg/L	1	4/13/2005 2:08:00 PM
1,2-Dibromo-3-chloropropane	< 10	10		µg/L	1	4/13/2005 2:08:00 PM
1,2,4-Trichlorobenzene	< 5.0	5.0		µg/L	1	4/13/2005 2:08:00 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
T - Tentitively Identified Compound-Estimated Conc.
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *19-Apr-05*

CLIENT: Clough Harbour & Associates
Work Order: 050405034
Project: Vatrano Rd
PO#:
Project# : 7899.1000.1102

Client Sample ID: MW-5
Collection Date: 4/5/2005
Lab Sample ID: 050405034-004
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PEST/PCB E608(E608)						Analyst: **KF**
Aroclor 1016	< 0.065	0.065		µg/L	1	4/6/2005 2:27:43 PM
Aroclor 1221	< 0.065	0.065		µg/L	1	4/6/2005 2:27:43 PM
Aroclor 1232	< 0.065	0.065		µg/L	1	4/6/2005 2:27:43 PM
Aroclor 1242	< 0.065	0.065		µg/L	1	4/6/2005 2:27:43 PM
Aroclor 1248	< 0.065	0.065		µg/L	1	4/6/2005 2:27:43 PM
Aroclor 1254	< 0.065	0.065		µg/L	1	4/6/2005 2:27:43 PM
Aroclor 1260	0.138	0.065		µg/L	1	4/6/2005 2:27:43 PM
POLYCHLORINATED BIPHENYLS SW8082(E608)						Analyst: **KF**
Aroclor 1016 - Filtered	< 0.065	0.065		µg/L	1	4/6/2005 3:00:51 PM
Aroclor 1221 - Filtered	< 0.065	0.065		µg/L	1	4/6/2005 3:00:51 PM
Aroclor 1232 - Filtered	< 0.065	0.065		µg/L	1	4/6/2005 3:00:51 PM
Aroclor 1242 - Filtered	< 0.065	0.065		µg/L	1	4/6/2005 3:00:51 PM
Aroclor 1248 - Filtered	< 0.065	0.065		µg/L	1	4/6/2005 3:00:51 PM
Aroclor 1254 - Filtered	< 0.065	0.065		µg/L	1	4/6/2005 3:00:51 PM
Aroclor 1260 - Filtered	< 0.065	0.065		µg/L	1	4/6/2005 3:00:51 PM
ICP METALS E200.7(SW3010A)						Analyst: **KH**
Lead	< 0.005	0.005		mg/L	1	4/18/2005 1:50:00 PM
ICP DISSOLVED METAL E200.7F(SW3005A)						Analyst: **KH**
Lead, Dissolved	< 0.005	0.005		mg/L	1	4/18/2005 1:54:00 PM
MERCURY E245.1(E245.1)						Analyst: **SM**
Mercury	< 0.0002	0.0002		mg/L	1	4/6/2005
VOLATILE ORGANICS SW8260B						Analyst: **MG**
Chloromethane	< 10	10		µg/L	1	4/13/2005 2:31:00 PM
Bromomethane	< 10	10		µg/L	1	4/13/2005 2:31:00 PM
Vinyl chloride	< 10	10		µg/L	1	4/13/2005 2:31:00 PM
Chloroethane	< 10	10		µg/L	1	4/13/2005 2:31:00 PM
Methylene chloride	< 5.0	5.0		µg/L	1	4/13/2005 2:31:00 PM
Acetone	< 10	10		µg/L	1	4/13/2005 2:31:00 PM
Carbon disulfide	< 5.0	5.0		µg/L	1	4/13/2005 2:31:00 PM
1,1-Dichloroethene	< 5.0	5.0		µg/L	1	4/13/2005 2:31:00 PM
1,1-Dichloroethane	< 5.0	5.0		µg/L	1	4/13/2005 2:31:00 PM
trans-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	4/13/2005 2:31:00 PM
cis-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	4/13/2005 2:31:00 PM
Chloroform	< 5.0	5.0		µg/L	1	4/13/2005 2:31:00 PM
1,2-Dichloroethane	< 5.0	5.0		µg/L	1	4/13/2005 2:31:00 PM
2-Butanone	< 10	10		µg/L	1	4/13/2005 2:31:00 PM
1,1,1-Trichloroethane	< 5.0	5.0		µg/L	1	4/13/2005 2:31:00 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
T - Tentitively Identified Compound-Estimated Conc.
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *19-Apr-05*

CLIENT: Clough Harbour & Associates
Work Order: 050405034
Project: Vatrano Rd
PO#:
Project# : 7899.1000.1102

Client Sample ID: MW-5
Collection Date: 4/5/2005
Lab Sample ID: 050405034-004
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS SW8260B						Analyst: **MG**
Carbon tetrachloride	< 5.0	5.0		µg/L	1	4/13/2005 2:31:00 PM
Bromodichloromethane	< 5.0	5.0		µg/L	1	4/13/2005 2:31:00 PM
1,2-Dichloropropane	< 5.0	5.0		µg/L	1	4/13/2005 2:31:00 PM
cis-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	4/13/2005 2:31:00 PM
Trichloroethene	< 5.0	5.0		µg/L	1	4/13/2005 2:31:00 PM
Dibromochloromethane	< 5.0	5.0		µg/L	1	4/13/2005 2:31:00 PM
1,1,2-Trichloroethane	< 5.0	5.0		µg/L	1	4/13/2005 2:31:00 PM
Benzene	< 5.0	5.0		µg/L	1	4/13/2005 2:31:00 PM
trans-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	4/13/2005 2:31:00 PM
Bromoform	< 5.0	5.0		µg/L	1	4/13/2005 2:31:00 PM
4-Methyl-2-pentanone	< 10	10		µg/L	1	4/13/2005 2:31:00 PM
2-Hexanone	< 10	10		µg/L	1	4/13/2005 2:31:00 PM
Tetrachloroethene	< 5.0	5.0		µg/L	1	4/13/2005 2:31:00 PM
1,1,2,2-Tetrachloroethane	< 5.0	5.0		µg/L	1	4/13/2005 2:31:00 PM
Toluene	< 5.0	5.0		µg/L	1	4/13/2005 2:31:00 PM
Chlorobenzene	< 5.0	5.0		µg/L	1	4/13/2005 2:31:00 PM
Ethylbenzene	< 5.0	5.0		µg/L	1	4/13/2005 2:31:00 PM
Styrene	< 5.0	5.0		µg/L	1	4/13/2005 2:31:00 PM
m,p-Xylene	< 5.0	5.0		µg/L	1	4/13/2005 2:31:00 PM
o-Xylene	< 5.0	5.0		µg/L	1	4/13/2005 2:31:00 PM
Methyl tert-butyl ether	< 5.0	5.0		µg/L	1	4/13/2005 2:31:00 PM
Dichlorodifluoromethane	< 10	10		µg/L	1	4/13/2005 2:31:00 PM
Methyl Acetate	< 5.0	5.0		µg/L	1	4/13/2005 2:31:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 5.0	5.0		µg/L	1	4/13/2005 2:31:00 PM
Cyclohexane	< 10	10		µg/L	1	4/13/2005 2:31:00 PM
Trichlorofluoromethane	< 5.0	5.0		µg/L	1	4/13/2005 2:31:00 PM
Methyl Cyclohexane	< 5.0	5.0		µg/L	1	4/13/2005 2:31:00 PM
1,2-Dibromoethane	< 5.0	5.0		µg/L	1	4/13/2005 2:31:00 PM
1,3-Dichlorobenzene	< 5.0	5.0		µg/L	1	4/13/2005 2:31:00 PM
Isopropylbenzene	< 5.0	5.0		µg/L	1	4/13/2005 2:31:00 PM
1,2-Dichlorobenzene	< 5.0	5.0		µg/L	1	4/13/2005 2:31:00 PM
1,4-Dichlorobenzene	< 5.0	5.0		µg/L	1	4/13/2005 2:31:00 PM
1,2-Dibromo-3-chloropropane	< 10	10		µg/L	1	4/13/2005 2:31:00 PM
1,2,4-Trichlorobenzene	< 5.0	5.0		µg/L	1	4/13/2005 2:31:00 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
T - Tentitively Identified Compound-Estimated Conc.
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *19-Apr-05*

CLIENT: Clough Harbour & Associates
Work Order: 050405034
Project: Vatrano Rd
PO#:
Project# : 7899.1000.1102

Client Sample ID: MW-6
Collection Date: 4/5/2005
Lab Sample ID: 050405034-005
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS SW8260B						Analyst: **MG**
2-Hexanone	< 10	10		µg/L	1	4/13/2005 2:55:00 PM
Tetrachloroethene	< 5.0	5.0		µg/L	1	4/13/2005 2:55:00 PM
1,1,2,2-Tetrachloroethane	< 5.0	5.0		µg/L	1	4/13/2005 2:55:00 PM
Toluene	< 5.0	5.0		µg/L	1	4/13/2005 2:55:00 PM
Chlorobenzene	< 5.0	5.0		µg/L	1	4/13/2005 2:55:00 PM
Ethylbenzene	< 5.0	5.0		µg/L	1	4/13/2005 2:55:00 PM
Styrene	< 5.0	5.0		µg/L	1	4/13/2005 2:55:00 PM
m,p-Xylene	< 5.0	5.0		µg/L	1	4/13/2005 2:55:00 PM
o-Xylene	< 5.0	5.0		µg/L	1	4/13/2005 2:55:00 PM
Methyl tert-butyl ether	< 5.0	5.0		µg/L	1	4/13/2005 2:55:00 PM
Dichlorodifluoromethane	< 10	10		µg/L	1	4/13/2005 2:55:00 PM
Methyl Acetate	< 5.0	5.0		µg/L	1	4/13/2005 2:55:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 5.0	5.0		µg/L	1	4/13/2005 2:55:00 PM
Cyclohexane	< 10	10		µg/L	1	4/13/2005 2:55:00 PM
Trichlorofluoromethane	< 5.0	5.0		µg/L	1	4/13/2005 2:55:00 PM
Methyl Cyclohexane	< 5.0	5.0		µg/L	1	4/13/2005 2:55:00 PM
1,2-Dibromoethane	< 5.0	5.0		µg/L	1	4/13/2005 2:55:00 PM
1,3-Dichlorobenzene	< 5.0	5.0		µg/L	1	4/13/2005 2:55:00 PM
Isopropylbenzene	< 5.0	5.0		µg/L	1	4/13/2005 2:55:00 PM
1,2-Dichlorobenzene	< 5.0	5.0		µg/L	1	4/13/2005 2:55:00 PM
1,4-Dichlorobenzene	< 5.0	5.0		µg/L	1	4/13/2005 2:55:00 PM
1,2-Dibromo-3-chloropropane	< 10	10		µg/L	1	4/13/2005 2:55:00 PM
1,2,4-Trichlorobenzene	< 5.0	5.0		µg/L	1	4/13/2005 2:55:00 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
T - Tentitively Identified Compound-Estimated Conc.
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *19-Apr-05*

CLIENT:	Clough Harbour & Associates	**Client Sample ID:**	MW-7
Work Order:	050405034	**Collection Date:**	4/5/2005
Project:	Vatrano Rd	**Lab Sample ID:**	050405034-006
PO#:		**Matrix:**	WATER

Project# : 7899.1000.1102

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PEST/PCB E608(E608)						Analyst: **KF**
Aroclor 1016	< 0.065	0.065		µg/L	1	4/6/2005 4:07:04 PM
Aroclor 1221	< 0.065	0.065		µg/L	1	4/6/2005 4:07:04 PM
Aroclor 1232	< 0.065	0.065		µg/L	1	4/6/2005 4:07:04 PM
Aroclor 1242	< 0.065	0.065		µg/L	1	4/6/2005 4:07:04 PM
Aroclor 1248	< 0.065	0.065		µg/L	1	4/6/2005 4:07:04 PM
Aroclor 1254	< 0.065	0.065		µg/L	1	4/6/2005 4:07:04 PM
Aroclor 1260	< 0.065	0.065		µg/L	1	4/6/2005 4:07:04 PM
ICP METALS E200.7(SW3010A)						Analyst: **KH**
Lead	< 0.005	0.005		mg/L	1	4/18/2005 2:17:00 PM
MERCURY E245.1(E245.1)						Analyst: **SM**
Mercury	< 0.0002	0.0002		mg/L	1	4/6/2005
VOLATILE ORGANICS SW8260B						Analyst: **MG**
Chloromethane	< 10	10		µg/L	1	4/13/2005 3:19:00 PM
Bromomethane	< 10	10		µg/L	1	4/13/2005 3:19:00 PM
Vinyl chloride	< 10	10		µg/L	1	4/13/2005 3:19:00 PM
Chloroethane	< 10	10		µg/L	1	4/13/2005 3:19:00 PM
Methylene chloride	< 5.0	5.0		µg/L	1	4/13/2005 3:19:00 PM
Acetone	< 10	10		µg/L	1	4/13/2005 3:19:00 PM
Carbon disulfide	< 5.0	5.0		µg/L	1	4/13/2005 3:19:00 PM
1,1-Dichloroethene	< 5.0	5.0		µg/L	1	4/13/2005 3:19:00 PM
1,1-Dichloroethane	< 5.0	5.0		µg/L	1	4/13/2005 3:19:00 PM
trans-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	4/13/2005 3:19:00 PM
cis-1,2-Dichloroethene	6.3	5.0		µg/L	1	4/13/2005 3:19:00 PM
Chloroform	< 5.0	5.0		µg/L	1	4/13/2005 3:19:00 PM
1,2-Dichloroethane	< 5.0	5.0		µg/L	1	4/13/2005 3:19:00 PM
2-Butanone	< 10	10		µg/L	1	4/13/2005 3:19:00 PM
1,1,1-Trichloroethane	< 5.0	5.0		µg/L	1	4/13/2005 3:19:00 PM
Carbon tetrachloride	< 5.0	5.0		µg/L	1	4/13/2005 3:19:00 PM
Bromodichloromethane	< 5.0	5.0		µg/L	1	4/13/2005 3:19:00 PM
1,2-Dichloropropane	< 5.0	5.0		µg/L	1	4/13/2005 3:19:00 PM
cis-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	4/13/2005 3:19:00 PM
Trichloroethene	< 5.0	5.0		µg/L	1	4/13/2005 3:19:00 PM
Dibromochloromethane	< 5.0	5.0		µg/L	1	4/13/2005 3:19:00 PM
1,1,2-Trichloroethane	< 5.0	5.0		µg/L	1	4/13/2005 3:19:00 PM
Benzene	< 5.0	5.0		µg/L	1	4/13/2005 3:19:00 PM
trans-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	4/13/2005 3:19:00 PM
Bromoform	< 5.0	5.0		µg/L	1	4/13/2005 3:19:00 PM
4-Methyl-2-pentanone	< 10	10		µg/L	1	4/13/2005 3:19:00 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

T - Tentitively Identified Compound-Estimated Conc.

E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *19-Apr-05*

CLIENT: Clough Harbour & Associates
Work Order: 050405034
Project: Vatrano Rd
PO#:
Project# : 7899.1000.1102

Client Sample ID: MW-7
Collection Date: 4/5/2005
Lab Sample ID: 050405034-006
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS SW8260B						Analyst: **MG**
2-Hexanone	< 10	10		µg/L	1	4/13/2005 3:19:00 PM
Tetrachloroethene	< 5.0	5.0		µg/L	1	4/13/2005 3:19:00 PM
1,1,2,2-Tetrachloroethane	< 5.0	5.0		µg/L	1	4/13/2005 3:19:00 PM
Toluene	< 5.0	5.0		µg/L	1	4/13/2005 3:19:00 PM
Chlorobenzene	< 5.0	5.0		µg/L	1	4/13/2005 3:19:00 PM
Ethylbenzene	< 5.0	5.0		µg/L	1	4/13/2005 3:19:00 PM
Styrene	< 5.0	5.0		µg/L	1	4/13/2005 3:19:00 PM
m,p-Xylene	< 5.0	5.0		µg/L	1	4/13/2005 3:19:00 PM
o-Xylene	< 5.0	5.0		µg/L	1	4/13/2005 3:19:00 PM
Methyl tert-butyl ether	< 5.0	5.0		µg/L	1	4/13/2005 3:19:00 PM
Dichlorodifluoromethane	< 10	10		µg/L	1	4/13/2005 3:19:00 PM
Methyl Acetate	< 5.0	5.0		µg/L	1	4/13/2005 3:19:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 5.0	5.0		µg/L	1	4/13/2005 3:19:00 PM
Cyclohexane	< 10	10		µg/L	1	4/13/2005 3:19:00 PM
Trichlorofluoromethane	< 5.0	5.0		µg/L	1	4/13/2005 3:19:00 PM
Methyl Cyclohexane	< 5.0	5.0		µg/L	1	4/13/2005 3:19:00 PM
1,2-Dibromoethane	< 5.0	5.0		µg/L	1	4/13/2005 3:19:00 PM
1,3-Dichlorobenzene	< 5.0	5.0		µg/L	1	4/13/2005 3:19:00 PM
Isopropylbenzene	< 5.0	5.0		µg/L	1	4/13/2005 3:19:00 PM
1,2-Dichlorobenzene	< 5.0	5.0		µg/L	1	4/13/2005 3:19:00 PM
1,4-Dichlorobenzene	< 5.0	5.0		µg/L	1	4/13/2005 3:19:00 PM
1,2-Dibromo-3-chloropropane	< 10	10		µg/L	1	4/13/2005 3:19:00 PM
1,2,4-Trichlorobenzene	< 5.0	5.0		µg/L	1	4/13/2005 3:19:00 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
T - Tentitively Identified Compound-Estimated Conc.
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *19-Apr-05*

CLIENT: Clough Harbour & Associates
Work Order: 050405034
Project: Vatrano Rd
PO#:
Project# : 7899.1000.1102

Client Sample ID: MW-8
Collection Date: 4/5/2005
Lab Sample ID: 050405034-007
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PEST/PCB E608(E608)						Analyst: **KF**
Aroclor 1016	< 0.065	0.065		µg/L	1	4/6/2005 4:40:48 PM
Aroclor 1221	< 0.065	0.065		µg/L	1	4/6/2005 4:40:48 PM
Aroclor 1232	< 0.065	0.065		µg/L	1	4/6/2005 4:40:48 PM
Aroclor 1242	< 0.065	0.065		µg/L	1	4/6/2005 4:40:48 PM
Aroclor 1248	< 0.065	0.065		µg/L	1	4/6/2005 4:40:48 PM
Aroclor 1254	< 0.065	0.065		µg/L	1	4/6/2005 4:40:48 PM
Aroclor 1260	< 0.065	0.065		µg/L	1	4/6/2005 4:40:48 PM
ICP METALS E200.7(SW3010A)						Analyst: **KH**
Lead	< 0.005	0.005		mg/L	1	4/18/2005 2:21:00 PM
MERCURY E245.1(E245.1)						Analyst: **SM**
Mercury	< 0.0002	0.0002		mg/L	1	4/6/2005
VOLATILE ORGANICS SW8260B						Analyst: **MG**
Chloromethane	< 10	10		µg/L	1	4/13/2005 3:43:00 PM
Bromomethane	< 10	10		µg/L	1	4/13/2005 3:43:00 PM
Vinyl chloride	< 10	10		µg/L	1	4/13/2005 3:43:00 PM
Chloroethane	< 10	10		µg/L	1	4/13/2005 3:43:00 PM
Methylene chloride	< 5.0	5.0		µg/L	1	4/13/2005 3:43:00 PM
Acetone	< 10	10		µg/L	1	4/13/2005 3:43:00 PM
Carbon disulfide	< 5.0	5.0		µg/L	1	4/13/2005 3:43:00 PM
1,1-Dichloroethene	< 5.0	5.0		µg/L	1	4/13/2005 3:43:00 PM
1,1-Dichloroethane	< 5.0	5.0		µg/L	1	4/13/2005 3:43:00 PM
trans-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	4/13/2005 3:43:00 PM
cis-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	4/13/2005 3:43:00 PM
Chloroform	< 5.0	5.0		µg/L	1	4/13/2005 3:43:00 PM
1,2-Dichloroethane	< 5.0	5.0		µg/L	1	4/13/2005 3:43:00 PM
2-Butanone	< 10	10		µg/L	1	4/13/2005 3:43:00 PM
1,1,1-Trichloroethane	< 5.0	5.0		µg/L	1	4/13/2005 3:43:00 PM
Carbon tetrachloride	< 5.0	5.0		µg/L	1	4/13/2005 3:43:00 PM
Bromodichloromethane	< 5.0	5.0		µg/L	1	4/13/2005 3:43:00 PM
1,2-Dichloropropane	< 5.0	5.0		µg/L	1	4/13/2005 3:43:00 PM
cis-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	4/13/2005 3:43:00 PM
Trichloroethene	< 5.0	5.0		µg/L	1	4/13/2005 3:43:00 PM
Dibromochloromethane	< 5.0	5.0		µg/L	1	4/13/2005 3:43:00 PM
1,1,2-Trichloroethane	< 5.0	5.0		µg/L	1	4/13/2005 3:43:00 PM
Benzene	< 5.0	5.0		µg/L	1	4/13/2005 3:43:00 PM
trans-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	4/13/2005 3:43:00 PM
Bromoform	< 5.0	5.0		µg/L	1	4/13/2005 3:43:00 PM
4-Methyl-2-pentanone	< 10	10		µg/L	1	4/13/2005 3:43:00 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
T - Tentitively Identified Compound-Estimated Conc.
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *19-Apr-05*

CLIENT: Clough Harbour & Associates
Work Order: 050405034
Project: Vatrano Rd
PO#:
Project# : 7899.1000.1102

Client Sample ID: MW-8
Collection Date: 4/5/2005
Lab Sample ID: 050405034-007
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS SW8260B						Analyst: **MG**
2-Hexanone	< 10	10		µg/L	1	4/13/2005 3:43:00 PM
Tetrachloroethene	< 5.0	5.0		µg/L	1	4/13/2005 3:43:00 PM
1,1,2,2-Tetrachloroethane	< 5.0	5.0		µg/L	1	4/13/2005 3:43:00 PM
Toluene	< 5.0	5.0		µg/L	1	4/13/2005 3:43:00 PM
Chlorobenzene	< 5.0	5.0		µg/L	1	4/13/2005 3:43:00 PM
Ethylbenzene	< 5.0	5.0		µg/L	1	4/13/2005 3:43:00 PM
Styrene	< 5.0	5.0		µg/L	1	4/13/2005 3:43:00 PM
m,p-Xylene	< 5.0	5.0		µg/L	1	4/13/2005 3:43:00 PM
o-Xylene	< 5.0	5.0		µg/L	1	4/13/2005 3:43:00 PM
Methyl tert-butyl ether	< 5.0	5.0		µg/L	1	4/13/2005 3:43:00 PM
Dichlorodifluoromethane	< 10	10		µg/L	1	4/13/2005 3:43:00 PM
Methyl Acetate	< 5.0	5.0		µg/L	1	4/13/2005 3:43:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 5.0	5.0		µg/L	1	4/13/2005 3:43:00 PM
Cyclohexane	< 10	10		µg/L	1	4/13/2005 3:43:00 PM
Trichlorofluoromethane	< 5.0	5.0		µg/L	1	4/13/2005 3:43:00 PM
Methyl Cyclohexane	< 5.0	5.0		µg/L	1	4/13/2005 3:43:00 PM
1,2-Dibromoethane	< 5.0	5.0		µg/L	1	4/13/2005 3:43:00 PM
1,3-Dichlorobenzene	< 5.0	5.0		µg/L	1	4/13/2005 3:43:00 PM
Isopropylbenzene	< 5.0	5.0		µg/L	1	4/13/2005 3:43:00 PM
1,2-Dichlorobenzene	< 5.0	5.0		µg/L	1	4/13/2005 3:43:00 PM
1,4-Dichlorobenzene	< 5.0	5.0		µg/L	1	4/13/2005 3:43:00 PM
1,2-Dibromo-3-chloropropane	< 10	10		µg/L	1	4/13/2005 3:43:00 PM
1,2,4-Trichlorobenzene	< 5.0	5.0		µg/L	1	4/13/2005 3:43:00 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
T - Tentitively Identified Compound-Estimated Conc.
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *19-Apr-05*

CLIENT: Clough Harbour & Associates
Work Order: 050405034
Project: Vatrano Rd
PO#:
Project# : 7899.1000.1102

Client Sample ID: MW-9
Collection Date: 4/5/2005
Lab Sample ID: 050405034-008
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PEST/PCB E608(E608)						Analyst: **KF**
Aroclor 1016	< 0.065	0.065		µg/L	1	4/6/2005 5:13:59 PM
Aroclor 1221	< 0.065	0.065		µg/L	1	4/6/2005 5:13:59 PM
Aroclor 1232	< 0.065	0.065		µg/L	1	4/6/2005 5:13:59 PM
Aroclor 1242	< 0.065	0.065		µg/L	1	4/6/2005 5:13:59 PM
Aroclor 1248	< 0.065	0.065		µg/L	1	4/6/2005 5:13:59 PM
Aroclor 1254	< 0.065	0.065		µg/L	1	4/6/2005 5:13:59 PM
Aroclor 1260	< 0.065	0.065		µg/L	1	4/6/2005 5:13:59 PM
POLYCHLORINATED BIPHENYLS SW8082(E608)						Analyst: **KF**
Aroclor 1016 - Filtered	< 0.065	0.065		µg/L	1	4/6/2005 8:32:57 PM
Aroclor 1221 - Filtered	< 0.065	0.065		µg/L	1	4/6/2005 8:32:57 PM
Aroclor 1232 - Filtered	< 0.065	0.065		µg/L	1	4/6/2005 8:32:57 PM
Aroclor 1242 - Filtered	< 0.065	0.065		µg/L	1	4/6/2005 8:32:57 PM
Aroclor 1248 - Filtered	< 0.065	0.065		µg/L	1	4/6/2005 8:32:57 PM
Aroclor 1254 - Filtered	< 0.065	0.065		µg/L	1	4/6/2005 8:32:57 PM
Aroclor 1260 - Filtered	< 0.065	0.065		µg/L	1	4/6/2005 8:32:57 PM
ICP METALS E200.7(SW3010A)						Analyst: **KH**
Lead	< 0.005	0.005		mg/L	1	4/18/2005 2:25:00 PM
ICP DISSOLVED METAL E200.7F(SW3005A)						Analyst: **KH**
Lead, Dissolved	< 0.005	0.005		mg/L	1	4/18/2005 2:35:00 PM
MERCURY E245.1(E245.1)						Analyst: **SM**
Mercury	< 0.0002	0.0002		mg/L	1	4/6/2005
VOLATILE ORGANICS SW8260B						Analyst: **MG**
Chloromethane	< 10	10		µg/L	1	4/13/2005 4:07:00 PM
Bromomethane	< 10	10		µg/L	1	4/13/2005 4:07:00 PM
Vinyl chloride	< 10	10		µg/L	1	4/13/2005 4:07:00 PM
Chloroethane	< 10	10		µg/L	1	4/13/2005 4:07:00 PM
Methylene chloride	< 5.0	5.0		µg/L	1	4/13/2005 4:07:00 PM
Acetone	< 10	10		µg/L	1	4/13/2005 4:07:00 PM
Carbon disulfide	< 5.0	5.0		µg/L	1	4/13/2005 4:07:00 PM
1,1-Dichloroethene	< 5.0	5.0		µg/L	1	4/13/2005 4:07:00 PM
1,1-Dichloroethane	< 5.0	5.0		µg/L	1	4/13/2005 4:07:00 PM
trans-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	4/13/2005 4:07:00 PM
cis-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	4/13/2005 4:07:00 PM
Chloroform	< 5.0	5.0		µg/L	1	4/13/2005 4:07:00 PM
1,2-Dichloroethane	< 5.0	5.0		µg/L	1	4/13/2005 4:07:00 PM
2-Butanone	< 10	10		µg/L	1	4/13/2005 4:07:00 PM
1,1,1-Trichloroethane	< 5.0	5.0		µg/L	1	4/13/2005 4:07:00 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
T - Tentitively Identified Compound-Estimated Conc.
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *19-Apr-05*

CLIENT: Clough Harbour & Associates
Work Order: 050405034
Project: Vatrano Rd
PO#:
Project# : 7899.1000.1102

Client Sample ID: MW-9
Collection Date: 4/5/2005
Lab Sample ID: 050405034-008
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS SW8260B						Analyst: **MG**
Carbon tetrachloride	< 5.0	5.0		µg/L	1	4/13/2005 4:07:00 PM
Bromodichloromethane	< 5.0	5.0		µg/L	1	4/13/2005 4:07:00 PM
1,2-Dichloropropane	< 5.0	5.0		µg/L	1	4/13/2005 4:07:00 PM
cis-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	4/13/2005 4:07:00 PM
Trichloroethene	< 5.0	5.0		µg/L	1	4/13/2005 4:07:00 PM
Dibromochloromethane	< 5.0	5.0		µg/L	1	4/13/2005 4:07:00 PM
1,1,2-Trichloroethane	< 5.0	5.0		µg/L	1	4/13/2005 4:07:00 PM
Benzene	< 5.0	5.0		µg/L	1	4/13/2005 4:07:00 PM
trans-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	4/13/2005 4:07:00 PM
Bromoform	< 5.0	5.0		µg/L	1	4/13/2005 4:07:00 PM
4-Methyl-2-pentanone	< 10	10		µg/L	1	4/13/2005 4:07:00 PM
2-Hexanone	< 10	10		µg/L	1	4/13/2005 4:07:00 PM
Tetrachloroethene	< 5.0	5.0		µg/L	1	4/13/2005 4:07:00 PM
1,1,2,2-Tetrachloroethane	< 5.0	5.0		µg/L	1	4/13/2005 4:07:00 PM
Toluene	< 5.0	5.0		µg/L	1	4/13/2005 4:07:00 PM
Chlorobenzene	< 5.0	5.0		µg/L	1	4/13/2005 4:07:00 PM
Ethylbenzene	< 5.0	5.0		µg/L	1	4/13/2005 4:07:00 PM
Styrene	< 5.0	5.0		µg/L	1	4/13/2005 4:07:00 PM
m,p-Xylene	< 5.0	5.0		µg/L	1	4/13/2005 4:07:00 PM
o-Xylene	< 5.0	5.0		µg/L	1	4/13/2005 4:07:00 PM
Methyl tert-butyl ether	< 5.0	5.0		µg/L	1	4/13/2005 4:07:00 PM
Dichlorodifluoromethane	< 10	10		µg/L	1	4/13/2005 4:07:00 PM
Methyl Acetate	< 5.0	5.0		µg/L	1	4/13/2005 4:07:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 5.0	5.0		µg/L	1	4/13/2005 4:07:00 PM
Cyclohexane	< 10	10		µg/L	1	4/13/2005 4:07:00 PM
Trichlorofluoromethane	< 5.0	5.0		µg/L	1	4/13/2005 4:07:00 PM
Methyl Cyclohexane	< 5.0	5.0		µg/L	1	4/13/2005 4:07:00 PM
1,2-Dibromoethane	< 5.0	5.0		µg/L	1	4/13/2005 4:07:00 PM
1,3-Dichlorobenzene	< 5.0	5.0		µg/L	1	4/13/2005 4:07:00 PM
Isopropylbenzene	< 5.0	5.0		µg/L	1	4/13/2005 4:07:00 PM
1,2-Dichlorobenzene	< 5.0	5.0		µg/L	1	4/13/2005 4:07:00 PM
1,4-Dichlorobenzene	< 5.0	5.0		µg/L	1	4/13/2005 4:07:00 PM
1,2-Dibromo-3-chloropropane	< 10	10		µg/L	1	4/13/2005 4:07:00 PM
1,2,4-Trichlorobenzene	< 5.0	5.0		µg/L	1	4/13/2005 4:07:00 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
T - Tentitively Identified Compound-Estimated Conc.
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *19-Apr-05*

CLIENT: Clough Harbour & Associates
Work Order: 050405034
Project: Vatrano Rd
PO#:
Project# : 7899.1000.1102

Client Sample ID: MW-10
Collection Date: 4/5/2005
Lab Sample ID: 050405034-009
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PEST/PCB E608(E608)						Analyst: **KF**
Aroclor 1016	< 0.065	0.065		µg/L	1	4/6/2005 9:06:05 PM
Aroclor 1221	< 0.065	0.065		µg/L	1	4/6/2005 9:06:05 PM
Aroclor 1232	< 0.065	0.065		µg/L	1	4/6/2005 9:06:05 PM
Aroclor 1242	< 0.065	0.065		µg/L	1	4/6/2005 9:06:05 PM
Aroclor 1248	< 0.065	0.065		µg/L	1	4/6/2005 9:06:05 PM
Aroclor 1254	< 0.065	0.065		µg/L	1	4/6/2005 9:06:05 PM
Aroclor 1260	0.088	0.065		µg/L	1	4/6/2005 9:06:05 PM
POLYCHLORINATED BIPHENYLS SW8082(E608)						Analyst: **KF**
Aroclor 1016 - Filtered	< 0.065	0.065		µg/L	1	4/6/2005 9:39:10 PM
Aroclor 1221 - Filtered	< 0.065	0.065		µg/L	1	4/6/2005 9:39:10 PM
Aroclor 1232 - Filtered	< 0.065	0.065		µg/L	1	4/6/2005 9:39:10 PM
Aroclor 1242 - Filtered	< 0.065	0.065		µg/L	1	4/6/2005 9:39:10 PM
Aroclor 1248 - Filtered	< 0.065	0.065		µg/L	1	4/6/2005 9:39:10 PM
Aroclor 1254 - Filtered	< 0.065	0.065		µg/L	1	4/6/2005 9:39:10 PM
Aroclor 1260 - Filtered	< 0.065	0.065		µg/L	1	4/6/2005 9:39:10 PM
ICP METALS E200.7(SW3010A)						Analyst: **KH**
Lead	< 0.005	0.005		mg/L	1	4/18/2005 2:29:00 PM
ICP DISSOLVED METAL E200.7F(SW3005A)						Analyst: **KH**
Lead, Dissolved	< 0.005	0.005		mg/L	1	4/18/2005 2:39:00 PM
MERCURY E245.1(E245.1)						Analyst: **SM**
Mercury	< 0.0002	0.0002		mg/L	1	4/6/2005
VOLATILE ORGANICS SW8260B						Analyst: **MG**
Chloromethane	< 10	10		µg/L	1	4/13/2005 4:30:00 PM
Bromomethane	< 10	10		µg/L	1	4/13/2005 4:30:00 PM
Vinyl chloride	< 10	10		µg/L	1	4/13/2005 4:30:00 PM
Chloroethane	< 10	10		µg/L	1	4/13/2005 4:30:00 PM
Methylene chloride	< 5.0	5.0		µg/L	1	4/13/2005 4:30:00 PM
Acetone	< 10	10		µg/L	1	4/13/2005 4:30:00 PM
Carbon disulfide	< 5.0	5.0		µg/L	1	4/13/2005 4:30:00 PM
1,1-Dichloroethene	< 5.0	5.0		µg/L	1	4/13/2005 4:30:00 PM
1,1-Dichloroethane	< 5.0	5.0		µg/L	1	4/13/2005 4:30:00 PM
trans-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	4/13/2005 4:30:00 PM
cis-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	4/13/2005 4:30:00 PM
Chloroform	< 5.0	5.0		µg/L	1	4/13/2005 4:30:00 PM
1,2-Dichloroethane	< 5.0	5.0		µg/L	1	4/13/2005 4:30:00 PM
2-Butanone	< 10	10		µg/L	1	4/13/2005 4:30:00 PM
1,1,1-Trichloroethane	< 5.0	5.0		µg/L	1	4/13/2005 4:30:00 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
T - Tentitively Identified Compound-Estimated Conc.
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *19-Apr-05*

CLIENT: Clough Harbour & Associates
Work Order: 050405034
Project: Vatrano Rd
PO#:
Project# : 7899.1000.1102

Client Sample ID: MW-10
Collection Date: 4/5/2005
Lab Sample ID: 050405034-009
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS SW8260B						Analyst: **MG**
Carbon tetrachloride	< 5.0	5.0		µg/L	1	4/13/2005 4:30:00 PM
Bromodichloromethane	< 5.0	5.0		µg/L	1	4/13/2005 4:30:00 PM
1,2-Dichloropropane	< 5.0	5.0		µg/L	1	4/13/2005 4:30:00 PM
cis-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	4/13/2005 4:30:00 PM
Trichloroethene	< 5.0	5.0		µg/L	1	4/13/2005 4:30:00 PM
Dibromochloromethane	< 5.0	5.0		µg/L	1	4/13/2005 4:30:00 PM
1,1,2-Trichloroethane	< 5.0	5.0		µg/L	1	4/13/2005 4:30:00 PM
Benzene	< 5.0	5.0		µg/L	1	4/13/2005 4:30:00 PM
trans-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	4/13/2005 4:30:00 PM
Bromoform	< 5.0	5.0		µg/L	1	4/13/2005 4:30:00 PM
4-Methyl-2-pentanone	< 10	10		µg/L	1	4/13/2005 4:30:00 PM
2-Hexanone	< 10	10		µg/L	1	4/13/2005 4:30:00 PM
Tetrachloroethene	< 5.0	5.0		µg/L	1	4/13/2005 4:30:00 PM
1,1,2,2-Tetrachloroethane	< 5.0	5.0		µg/L	1	4/13/2005 4:30:00 PM
Toluene	< 5.0	5.0		µg/L	1	4/13/2005 4:30:00 PM
Chlorobenzene	< 5.0	5.0		µg/L	1	4/13/2005 4:30:00 PM
Ethylbenzene	< 5.0	5.0		µg/L	1	4/13/2005 4:30:00 PM
Styrene	< 5.0	5.0		µg/L	1	4/13/2005 4:30:00 PM
m,p-Xylene	< 5.0	5.0		µg/L	1	4/13/2005 4:30:00 PM
o-Xylene	< 5.0	5.0		µg/L	1	4/13/2005 4:30:00 PM
Methyl tert-butyl ether	< 5.0	5.0		µg/L	1	4/13/2005 4:30:00 PM
Dichlorodifluoromethane	< 10	10		µg/L	1	4/13/2005 4:30:00 PM
Methyl Acetate	< 5.0	5.0		µg/L	1	4/13/2005 4:30:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 5.0	5.0		µg/L	1	4/13/2005 4:30:00 PM
Cyclohexane	< 10	10		µg/L	1	4/13/2005 4:30:00 PM
Trichlorofluoromethane	< 5.0	5.0		µg/L	1	4/13/2005 4:30:00 PM
Methyl Cyclohexane	< 5.0	5.0		µg/L	1	4/13/2005 4:30:00 PM
1,2-Dibromoethane	< 5.0	5.0		µg/L	1	4/13/2005 4:30:00 PM
1,3-Dichlorobenzene	< 5.0	5.0		µg/L	1	4/13/2005 4:30:00 PM
Isopropylbenzene	< 5.0	5.0		µg/L	1	4/13/2005 4:30:00 PM
1,2-Dichlorobenzene	< 5.0	5.0		µg/L	1	4/13/2005 4:30:00 PM
1,4-Dichlorobenzene	< 5.0	5.0		µg/L	1	4/13/2005 4:30:00 PM
1,2-Dibromo-3-chloropropane	< 10	10		µg/L	1	4/13/2005 4:30:00 PM
1,2,4-Trichlorobenzene	< 5.0	5.0		µg/L	1	4/13/2005 4:30:00 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
T - Tentitively Identified Compound-Estimated Conc.
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *19-Apr-05*

CLIENT: Clough Harbour & Associates
Work Order: 050405034
Project: Vatrano Rd
PO#:
Project# : 7899.1000.1102

Client Sample ID: Trip Blank Lot#101
Collection Date: 4/5/2005
Lab Sample ID: 050405034-010
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS SW8260B						Analyst: **MG**
Chloromethane	< 10	10		µg/L	1	4/13/2005 4:54:00 PM
Bromomethane	< 10	10		µg/L	1	4/13/2005 4:54:00 PM
Vinyl chloride	< 10	10		µg/L	1	4/13/2005 4:54:00 PM
Chloroethane	< 10	10		µg/L	1	4/13/2005 4:54:00 PM
Methylene chloride	< 5.0	5.0		µg/L	1	4/13/2005 4:54:00 PM
Acetone	10	10		µg/L	1	4/13/2005 4:54:00 PM
Carbon disulfide	< 5.0	5.0		µg/L	1	4/13/2005 4:54:00 PM
1,1-Dichloroethene	< 5.0	5.0		µg/L	1	4/13/2005 4:54:00 PM
1,1-Dichloroethane	< 5.0	5.0		µg/L	1	4/13/2005 4:54:00 PM
trans-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	4/13/2005 4:54:00 PM
cis-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	4/13/2005 4:54:00 PM
Chloroform	< 5.0	5.0		µg/L	1	4/13/2005 4:54:00 PM
1,2-Dichloroethane	< 5.0	5.0		µg/L	1	4/13/2005 4:54:00 PM
2-Butanone	< 10	10		µg/L	1	4/13/2005 4:54:00 PM
1,1,1-Trichloroethane	< 5.0	5.0		µg/L	1	4/13/2005 4:54:00 PM
Carbon tetrachloride	< 5.0	5.0		µg/L	1	4/13/2005 4:54:00 PM
Bromodichloromethane	< 5.0	5.0		µg/L	1	4/13/2005 4:54:00 PM
1,2-Dichloropropane	< 5.0	5.0		µg/L	1	4/13/2005 4:54:00 PM
cis-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	4/13/2005 4:54:00 PM
Trichloroethene	< 5.0	5.0		µg/L	1	4/13/2005 4:54:00 PM
Dibromochloromethane	< 5.0	5.0		µg/L	1	4/13/2005 4:54:00 PM
1,1,2-Trichloroethane	< 5.0	5.0		µg/L	1	4/13/2005 4:54:00 PM
Benzene	< 5.0	5.0		µg/L	1	4/13/2005 4:54:00 PM
trans-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	4/13/2005 4:54:00 PM
Bromoform	< 5.0	5.0		µg/L	1	4/13/2005 4:54:00 PM
4-Methyl-2-pentanone	< 10	10		µg/L	1	4/13/2005 4:54:00 PM
2-Hexanone	< 10	10		µg/L	1	4/13/2005 4:54:00 PM
Tetrachloroethene	< 5.0	5.0		µg/L	1	4/13/2005 4:54:00 PM
1,1,2,2-Tetrachloroethane	< 5.0	5.0		µg/L	1	4/13/2005 4:54:00 PM
Toluene	< 5.0	5.0		µg/L	1	4/13/2005 4:54:00 PM
Chlorobenzene	< 5.0	5.0		µg/L	1	4/13/2005 4:54:00 PM
Ethylbenzene	< 5.0	5.0		µg/L	1	4/13/2005 4:54:00 PM
Styrene	< 5.0	5.0		µg/L	1	4/13/2005 4:54:00 PM
m,p-Xylene	< 5.0	5.0		µg/L	1	4/13/2005 4:54:00 PM
o-Xylene	< 5.0	5.0		µg/L	1	4/13/2005 4:54:00 PM
Methyl tert-butyl ether	< 5.0	5.0		µg/L	1	4/13/2005 4:54:00 PM
Dichlorodifluoromethane	< 10	10		µg/L	1	4/13/2005 4:54:00 PM
Methyl Acetate	< 5.0	5.0		µg/L	1	4/13/2005 4:54:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 5.0	5.0		µg/L	1	4/13/2005 4:54:00 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
T - Tentitively Identified Compound-Estimated Conc.
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *19-Apr-05*

CLIENT:	Clough Harbour & Associates	**Client Sample ID:**	Trip Blank Lot#101
Work Order:	050405034	**Collection Date:**	4/5/2005
Project:	Vatrano Rd	**Lab Sample ID:**	050405034-010
PO#:		**Matrix:**	WATER

Project# : 7899.1000.1102

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS SW8260B						Analyst: **MG**
Cyclohexane	< 10	10		µg/L	1	4/13/2005 4:54:00 PM
Trichlorofluoromethane	< 5.0	5.0		µg/L	1	4/13/2005 4:54:00 PM
Methyl Cyclohexane	< 5.0	5.0		µg/L	1	4/13/2005 4:54:00 PM
1,2-Dibromoethane	< 5.0	5.0		µg/L	1	4/13/2005 4:54:00 PM
1,3-Dichlorobenzene	< 5.0	5.0		µg/L	1	4/13/2005 4:54:00 PM
Isopropylbenzene	< 5.0	5.0		µg/L	1	4/13/2005 4:54:00 PM
1,2-Dichlorobenzene	< 5.0	5.0		µg/L	1	4/13/2005 4:54:00 PM
1,4-Dichlorobenzene	< 5.0	5.0		µg/L	1	4/13/2005 4:54:00 PM
1,2-Dibromo-3-chloropropane	< 10	10		µg/L	1	4/13/2005 4:54:00 PM
1,2,4-Trichlorobenzene	< 5.0	5.0		µg/L	1	4/13/2005 4:54:00 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
T - Tentitively Identified Compound-Estimated Conc.
E - Value above quantitation range

APPENDIX B

PURGE WATER DISPOSAL MANIFEST

PRESS HARD — You Are Writing Through Eight Copies (See Reverse Side)

NYG 4655358

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

136

HAZARDOUS WASTE MANIFEST

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

Please type or print. Do not staple

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
NYD 002530154	55358	x 2	

3. Generator's Name and Mailing Address: General Electric Company
c/o Clough Harbour & Associates
P.O. Box 5269, 111 Winners Circle
Albany, NY 12205

4. Generator's Telephone Number: 518 453-4500

A. NYG 4655358

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

5. Transporter 1 (Company Name)	6. US EPA ID Number	C. State Transporter's ID	235558 NY
Clean Harbors Env. Services Inc	MAD039322250	D. Transporter's Telephone	(781) 849-1800
7. Transporter 2 (Company Name)	8. US EPA ID Number	E. State Transporter's ID	NY1765PA
Clean Harbors Env. Services Inc	MAD039322250	F. Transporter's Telephone	(781) 849-1800
9. Designated Facility Name and Site Address	10. US EPA ID Number	G. State Facility ID	
Spring Grove Resource Recovery 4679 Spring Grove Avenue Cincinnati, OH 45232	OHD000216229	H. Facility Telephone	(513) 681-5738

11. US DOT Description (including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. NON DOT REGULATED MATERIAL WATER WITH TRACE TSCA REGULATED PCB'S, NON DOT HAZARDOUS, NONE, NONE	001	DM	~~00001~~ 46	K 50	EPA STATE
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.	c.	a.	c.
b.	d.	b.	d.

15. Special Handling Instructions and Additional Information

11a CH109913 ASD 10/4/05

IN EMERGENCY, CALL CHES 1-800-645-[illegible]
WD# NY[illegible]

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
Robert Hall for General Electric	Robert Hall for General Electric	10	04	05

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo	Day	Year
Scott Rose	[signature]	10	04	05

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Mo	Day	Year
Stephen Ricci	[signature]	10	05	05

19. Discrepancy Indication Space

FACILITY

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
Michelle	[signature]	10	11	[illegible]

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

COPY 1—Disposer State—Mailed by TSD Facility

APPENDIX C

GROUNDWATER WELL FIELD SAMPLING FORMS

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

Well Level Data

Project Name: Vatrano Road

Logged By: J. Herrick

Project Location: Vatrano Road, Albany, NY

Date: 4/4/05

Project Number: 7899.1000.1102

Instrument: Water Level Meter

Well ID	Measuring Point (TOC/TOR)	PID Reading (PPM)	Depth to Water (ft.)	Comments
MW - 1	TOR	0.0	NA	One of the two protective steel bollards for this well has been completely broke off. Also the steel protective casing and the PVC riser pipe of the well itself have been hit and broke. Unable to obtain water level or sample this well.
MW - 2	TOR	0.0	9.34	
MW - 3	TOR	0.0	8.55	
MW - 4	TOR	0.0	7.73	
MW -5	TOR	0.0	7.82	
MW - 6	TOR	0.0	3.80	
MW - 7	TOR	0.0	2.86	Rope for the bailer had broke. Had to retrieve dedicated bailer from well.
MW - 8	TOR	0.0	4.44	
MW - 9	TOR	0.0	11.50	

Comments:
Photo-Ionization Detector utilized was a Mini Rae PGM 7600. It was calibrated in the field on today's date prior to being utilized.

Weather: Overcast, 40 degrees F, winds were from the NW approximately 5-10 MPH, barometric pressure was 28.85 inches of mercury.

Clough, Harbour & Associates LLP Well Sampling/Development Log	**Sample/Well Designation:** MW-1
Project Name: Vatrano Road	Logged By: J. Herrick / R. Hall
Project Location: Vatrano Road, Albany, NY	Date: 4/4/05
Project Number: 7899.1000.1102	Screen Length: NA

Purge Information:

(1) Depth to Bottom of Well: 17.94 ft. (from TOC)
(2) Depth to Water: NA ft. (from TOC)
(3) Column of Water: NA ft. [(1) – (2)]
(4) Well Riser Diameter: 2 in.
(5) Volume Conversion: 0.163 gal./ft. (see below)
(6) 1 Well Volume: NA gal. [(3) x (5)]

Method of Purging: ☐ WaTerra ☐ Bailer ☐ Submersible ☐ Other: ____

Volume Conversion: (gal./ft.)
2" = 0.163 4" = 0.653 6" = 1.469 8" 2.611 10" = 4.08

Field Analysis: Began purging at:

Volume Purged (gal.)										
Time										
ORP/EH (mV)										
pH										
Cond. (µS/CM)										
Turbidity (NTU)										
D.O. (mg/L)										
Temperature (°C)										

Total Volume Purged: NA gal. Total Purge Time: NA

Sampling Information:

Sampling Method: NA
No. of Bottles: NA
Sampling Time: NA
Sample Analyses: NA

Comments:
4" steel protective casing and 2" PVC riser pipe were bent over and broke. Unable to sample or even ubtain water level. One of the two steel bollards have been hit and broke clean off as well.

Clough, Harbour & Associates LLP Well Sampling/Development Log	**Sample/Well Designation:** MW-2
Project Name: Vatrano Road	Logged By: J. Herrick / R. Hall
Project Location: Vatrano Road, Albany, NY	Date: 4/5/05
Project Number: 7899.1000.1102	Screen Length: 10'

Purge Information:

(1) Depth to Bottom of Well: 19.94 ft. (from TOC)
(2) Depth to Water: 9.34 ft. (from TOC)
(3) Column of Water: 10.60 ft. [(1) – (2)]
(4) Well Riser Diameter: 2 in.
(5) Volume Conversion: 0.163 gal./ft. (see below)
(6) 1 Well Volume: 1.73 gal. [(3) x (5)]

Method of Purging: ☐ WaTerra ☐ Bailer ☒ Submersible ☐ Other: ____

Volume Conversion: (gal./ft.)
2" = 0.163 4" = 0.653 6" = 1.469 8" 2.611 10" = 4.08

Field Analysis: Began purging at 1340 hrs

Volume Purged (gal.)	Initial									
Time	1340	1350	1355	1400	1405	1410	1415			
ORP/EH (mV)	159.0	154.9	152.4	154.5	160.0	160.3	156.8			
pH	8.81	7.93	8.00	7.89	7.81	7.85	7.89			
Cond. (µS/CM³)	505	506	502	499	488	476	465			
Turbidity (NTU)	10.1	8.41	3.76	1.13	0.70	0.79	0.22			
D.O. (mg/L)	NM	NM	NM	NM	NM	NM	NM			
Temperature (°C)	10.87	11.60	10.52	10.72	10.52	10.51	10.18			

Total Volume Purged: 3.5 gal. Total Purge Time: 35 minutes

Sampling Information:

Sampling Method: Grab/Submersible

Sampling Time: 1420 hrs

No. of Bottles: 6 (includes field filtered dissolved metals and PCB's)

Sample Analyses: TCL VOC (8260), PCB (EPA 608), Pb (EPA 200.7) & Hg (EPA 245.1)

Comments: NM = Parameter not measured.
- Water was clear, colorless and odorless.
- Water level @ 9.46' w/ pump @ start and @ 9.46' w/ pump @ finish.
- Turbidity prior to sampling @ 1.81 NTUs.
- Turbidity after sampling @ 0.68 NTUs.
- Turbidity after filtering and sampling @ 0.44 NTUs.
- Flow rate during purging was approximately 300 ml/min.
- Installed 20' of 3/8" tubing.

Clough, Harbour & Associates LLP Well Sampling/Development Log	**Sample/Well Designation:** MW-3
Project Name: Vatrano Road	Logged By: J. Herrick / R. Hall
Project Location: Vatrano Road, Albany, NY	Date: 4/5/05
Project Number: 7899.1000.1102	Screen Length: 10'

Purge Information:

(1) Depth to Bottom of Well: 20.00 ft. (from TOC)
(2) Depth to Water: 8.55 ft. (from TOC)
(3) Column of Water: 11.45 ft. [(1) – (2)]
(4) Well Riser Diameter: 2 in.
(5) Volume Conversion: 0.163 gal./ft. (see below)
(6) 1 Well Volume: 1.87 gal. [(3) x (5)]

Method of Purging: ☐ WaTerra ☐ Bailer ☒ Submersible ☐ Other: ____

Volume Conversion: (gal./ft.)
2" = 0.163 4" = 0.653 6" = 1.469 8" 2.611 10" = 4.08

Field Analysis: Began purging at 1125 hrs

Volume Purged (gal.)	Initial									
Time	1125	1135	1140	1145	1150	1155	1200			
ORP/EH (mV)	188.3	189.3	186.7	186.7	198.1	199.5	191.6			
pH	7.72	7.82	7.90	7.96	7.97	7.97	7.99			
Cond. (µS/CM³)	610	603	612	612	610	617	616			
Turbidity (NTU)	76.6	32.0	19.4	14.3	6.90	4.74	3.18			
D.O. (mg/L)	NM	NM	NM	NM	NM	NM	NM			
Temperature (°C)	11.11	11.06	10.45	10.06	10.16	10.15	10.08			

Total Volume Purged: 3.0 gal. Total Purge Time: 35 minutes

Sampling Information:

Sampling Method: Grab/Submersible

Sampling Time: 1200 hrs

No. of Bottles: 6 (includes field filtered dissolved metals and PCBs)

Sample Analyses: TCL VOC (8260), PCB (EPA 608), Pb (EPA 200.7) & Hg (EPA 245.1)

Comments: NM = Parameter not measured.
- Water was slightly clear w/ a slight yellowish tint w/ no odor or sheen.
- Water became clear during purging and while obtaining field readings.
- Water level @ 8.44' w/ pump @ start and @ 8.73' w/ pump @ finish.
- Turbidity at sampling @ 2.33 NTUs.
- Turbidity after sampling @ 3.37 NTUs.
- Turbidity after filtering and sampling @ 0.31 NTUs.
- Flow rate during purging was approximately 250 ml/min.
- Installed 20' of 3/8" tubing.

Clough, Harbour & Associates LLP Well Sampling/Development Log	Sample/Well Designation: MW-4
Project Name: Vatrano Road	Logged By: J. Herrick / R. Hall
Project Location: Vatrano Road, Albany, NY	Date: 4/5/05
Project Number: 7899.1000.1102	Screen Length: 10'

Purge Information:

(1) Depth to Bottom of Well: 18.82 ft. (from TOC)
(2) Depth to Water: 7.73 ft. (from TOC)
(3) Column of Water: 11.09 ft. [(1) – (2)]
(4) Well Riser Diameter: 2 in.
(5) Volume Conversion: 0.163 gal./ft. (see below)
(6) 1 Well Volume: 1.81 gal. [(3) x (5)]

Method of Purging: ☐ WaTerra ☐ Bailer ☒ Submersible ☐ Other: ____

Volume Conversion: (gal./ft.)
2" = 0.163 4" = 0.653 6" = 1.469 8" 2.611 10" = 4.08

Field Analysis: Began purging at 1015 hrs

Volume Purged (gal.)	Initial									
Time	1020	1030	1035	1040	1045	1050	1055			
ORP/EH (mV)	209.4	210.9	219.9	213.6	211.0	210.5	206.1			
pH	7.08	7.03	7.00	7.02	7.01	6.97	7.00			
Cond. (µS/CM³)	525	530	532	539	544	543	541			
Turbidity (NTU)	187	46.1	26.8	17.0	10.3	4.17	2.95			
D.O. (mg/L)	NM	NM	NM	NM	NM	NM	NM			
Temperature (°C)	10.99	11.09	11.32	11.22	10.84	10.19	10.33			

Total Volume Purged: 2.5 gal. Total Purge Time: 40 minutes

Sampling Information:

Sampling Method: Grab/Submersible

Sampling Time: 1100

No. of Bottles: 6 (includes field filtered dissolved metals and PCBs)

Sample Analyses: TCL VOC (8260), PCB (EPA 608), Pb (EPA 200.7) & Hg (EPA 245.1)

Comments: NM = Parameter not measured.
- Water was clear w/ a slight orange tint w/ much orangs suspended particles w/ no odor or sheen.
- Water became clear during purging and while obtaining field readings.
- Water level @ 7.84' w/ pump @ start and @ 7.84' w/ pump @ finish.
- Turbidity at sampling @ 2.50 NTUs.
- Turbidity after sampling @ 2.50 NTUs.
- Turbidity after filtering and sampling @ 2.50 NTUs.
- Flow rate during purging was approximately 250 ml/min.
- Installed 19' of 3/8" tubing.

Clough, Harbour & Associates LLP Well Sampling/Development Log	**Sample/Well Designation:** MW-5 / MW-10 (dup)
Project Name: Vatrano Road	Logged By: J. Herrick / R. Hall
Project Location: Vatrano Road, Albany, NY	Date: 4/5/05
Project Number: 7899.1000.1102	Screen Length: 10'

Purge Information:

(1) Depth to Bottom of Well: 19.36 ft. (from TOC)
(2) Depth to Water: 7.82 ft. (from TOC)
(3) Column of Water: 11.54 ft. [(1) – (2)]
(4) Well Riser Diameter: 2 in.
(5) Volume Conversion: 0.163 gal./ft. (see below)
(6) 1 Well Volume: 1.88 gal. [(3) x (5)]

Method of Purging: ☐ WaTerra ☐ Bailer ☒ Submersible ☐ Other: _____

Volume Conversion: (gal./ft.)
2" = 0.163 4" = 0.653 6" = 1.469 8" 2.611 10" = 4.08

Field Analysis: Began purging at 1230 hrs

Volume Purged (gal.)	Initial									
Time	1230	1240	1245	1250	1255	1300	1305			
ORP/EH (mV)	169.8	173.2	172.0	165.6	167.8	167.9	164.2			
pH	7.45	7.41	7.36	7.43	7.39	7.33	7.37			
Cond. (µS/CM³)	924	919	915	877	833	826	826			
Turbidity (NTU)	4.13	3.34	2.09	1.72	0.91	0.54	0.60			
D.O. (mg/L)	NM	NM	NM	NM	NM	NM	NM			
Temperature (°C)	12.62	12.33	12.28	11.48	11.79	12.41	12.12			

Total Volume Purged: 2.5 gal. Total Purge Time: 35 minutes

Sampling Information:

Sampling Method: Grab/Submersible

Sampling Time: 1310 hrs (MW-5) 1500hrs (MW-10)

No. of Bottles: 6 + 6 (includes field filtered dissolved metals and PCBs)

Sample Analyses: TCL VOC (8260), PCB (EPA 608), Pb (EPA 200.7) & Hg (EPA 245.1)

Comments: NM = Parameter not measured.
- Duplicate MW-10 taken here.
- Water was clear and colorless w/ no odor or sheen.
- Water level @ 7.92' w/ pump @ start and @ 7.92' w/ pump @ finish.
- Turbidity at sampling @ 1.61 NTUs.
- Turbidity after sampling @ 0.60 NTUs.
- Turbidity after filtering and sampling @ 0.21 NTUs.
- Flow rate during purging was approximately 300 ml/min.
- Installed 20' of 3/8" tubing.

Clough, Harbour & Associates LLP Well Sampling/Development Log	Sample/Well Designation: MW-6
Project Name: Vatrano Road	Logged By: J. Herrick / R. Hall
Project Location: Vatrano Road, Albany, NY	Date: 4/4/05
Project Number: 7899.1000.1102	Screen Length: 10'

Purge Information:

(1) Depth to Bottom of Well: 16.60 ft. (from TOC)
(2) Depth to Water: 3.80 ft. (from TOC)
(3) Column of Water: 12.80 ft. [(1) – (2)]
(4) Well Riser Diameter: 2 in.
(5) Volume Conversion: 0.163 gal./ft. (see below)
(6) 1 Well Volume: 2.09 gal. [(3) x (5)]

Method of Purging: ☐ WaTerra ☐ Bailer ☒ Submersible ☐ Other: ____

Volume Conversion: (gal./ft.)
2" = 0.163 4" = 0.653 6" = 1.469 8" 2.611 10" = 4.08

Field Analysis: Began purging at 1430 hrs

Volume Purged (gal.)	Initial									
Time	1430	1440	1445	1450	1455	1500	1505			
ORP/EH (mV)	46.3	7.0	1.40	0.40	5.10	3.80	6.60			
pH	7.02	6.77	6.77	6.77	6.76	6.76	6.76			
Cond. (µS/CM³)	776	787	790	790	793	794	795			
Turbidity (NTU)	47.2	21.8	16.4	22.7	15.2	10.6	8.00			
D.O. (mg/L)	NM	NM	NM	NM	NM	NM	NM			
Temperature (°C)	7.17	6.99	7.05	7.11	7.34	7.32	7.33			

Total Volume Purged: 1.5 gal. Total Purge Time: 35 minutes

Sampling Information:

Sampling Method: Grab/Submersible
No. of Bottles: 4
Sampling Time: 1520

Sample Analyses: TCL VOC (8260), PCB (EPA 608), Pb (EPA 200.7) & Hg (EPA 245.1)

Comments: NM = Parameter not measured.
- Water was clear and colorless w/ no odor or sheen.
- Water level @ 2.20' w/ pump @ start and @ 3.51' w/ pump @ finish.
- Turbidity at sampling @ 8.00 NTUs.
- Turbidity after sampling @ 12.60 NTUs.
- Flow rate during purging was approximately 250 ml/min.
- Installed 17' of 3/8" tubing.

Clough, Harbour & Associates LLP Well Sampling/Development Log	**Sample/Well Designation:** MW-7
Project Name: Vatrano Road	Logged By: J. Herrick / R. Hall
Project Location: Vatrano Road, Albany, NY	Date: 4/4/05
Project Number: 7899.1000.1102	Screen Length: 10'

Purge Information:

(1) Depth to Bottom of Well: 16.40 ft. (from TOC)
(2) Depth to Water: 2.86 ft. (from TOC)
(3) Column of Water: 13.54 ft. [(1) – (2)]
(4) Well Riser Diameter: 2 in.
(5) Volume Conversion: 0.163 gal./ft. (see below)
(6) 1 Well Volume: 2.21 gal. [(3) x (5)]

Method of Purging: ☐ WaTerra ☐ Bailer ☒ Submersible ☐ Other: ____

Volume Conversion: (gal./ft.)
2" = 0.163 4" = 0.653 6" = 1.469 8" 2.611 10" = 4.08

Field Analysis: Began purging at 1300 hrs

Volume Purged (gal.)	Initial									
Time	1305	1315	1320	1325	1330	1335	1340	1400		
ORP/EH (mV)	148.1	140.9	141.2	141.7	141.9	141.9	142.1			
pH	6.90	6.85	6.85	6.85	6.85	6.85	6.85			
Cond. (µS/CM³)	635	645	652	658	662	664	668			
Turbidity (NTU)	51.7	58.4	52.1	31.1	20.7	20.0	13.0	7.14		
D.O. (mg/L)	NM	NM	NM	NM	NM	NM	NM			
Temperature (°C)	8.63	8.71	8.74	8.77	8.80	8.84	8.80			

Total Volume Purged: 2.0 gal. Total Purge Time: 40 minutes

Sampling Information:

Sampling Method: Grab/Submersible
No. of Bottles: 4
Sampling Time: 1400 hrs

Sample Analyses: TCL VOC (8260), PCB (EPA 608), Pb (EPA 200.7) & Hg (EPA 245.1)

Comments: NM = Parameter not measured.
- Water was clear and colorless w/ no odor or sheen.
- Water level @ 2.78' w/ pump @ start and @ 3.60' w/ pump @ finish.
- Turbidity at sampling @ 7.14 NTUs.
- Flow rate during purging was approximately 250 ml/min.
- Installed 17' of 3/8" tubing.

Clough, Harbour & Associates LLP Well Sampling/Development Log	Sample/Well Designation: MW-8
Project Name: Vatrano Road	Logged By: J. Herrick / R. Hall
Project Location: Vatrano Road, Albany, NY	Date: 4/4/05
Project Number: 7899.1000.1102	Screen Length: 10'

Purge Information:

(1) Depth to Bottom of Well: 15.96 ft. (from TOC)
(2) Depth to Water: 4.44 ft. (from TOC)
(3) Column of Water: 11.52 ft. [(1) – (2)]
(4) Well Riser Diameter: 2 in.
(5) Volume Conversion: 0.163 gal./ft. (see below)
(6) 1 Well Volume: 1.88 gal. [(3) x (5)]

Method of Purging: ☐ WaTerra ☐ Bailer ☒ Submersible ☐ Other: ____

Volume Conversion: (gal./ft.)
2" = 0.163 4" = 0.653 6" = 1.469 8" 2.611 10" = 4.08

Field Analysis: Began purging at 1145 hrs

Volume Purged (gal.)	Initial									
Time	1147	1152	1157	1202	1207	1212	1217	1235		
ORP/EH (mV)	201.6	163	143.8	119.2	99.6	88.3	80.6			
pH	6.91	6.92	6.94	6.97	7.00	7.02	7.03			
Cond. (µS/CM³)	761	835	894	933	969	989	1005			
Turbidity (NTU)	260	164	107	78.2	43.1	38.2	33.3	48.6		
D.O. (mg/L)	NM	NM	NM	NM	NM	NM	NM			
Temperature (°C)	7.54	7.51	7.64	7.69	7.82	7.86	7.93			

Total Volume Purged: 2.0 gal. Total Purge Time: 30 minutes

Sampling Information:

Sampling Method: Grab/Submersible
No. of Bottles: 4
Sampling Time: 1235 hrs

Sample Analyses: TCL VOC (8260), PCB (EPA 608), Pb (EPA 200.7) & Hg (EPA 245.1)

Comments: NM = Parameter not measured.
- Water was turbid w/ a slight gray tint w/ orange suspended particles w/ no odor or sheen.
- Water stabilized for 3 readings @ 5 min. intervals @ 30 minutes.
- Turbidity at sampling @ 48.6 NTUs.
- Flow rate during purging was approximately 250 ml/min.
- Installed 16' of 3/8" tubing.

Clough, Harbour & Associates LLP Well Sampling/Development Log	**Sample/Well Designation:** MW-9
Project Name: Vatrano Road	Logged By: J. Herrick / R. Hall
Project Location: Vatrano Road, Albany, NY	Date: 4/5/05
Project Number: 7899.1000.1102	Screen Length: 10'

Purge Information:

(1) Depth to Bottom of Well: 52.90 ft. (from TOC)
(2) Depth to Water: 11.50 ft. (from TOC)
(3) Column of Water: 41.4 ft. [(1) – (2)]
(4) Well Riser Diameter: 2 in.
(5) Volume Conversion: 0.163 gal./ft. (see below)
(6) 1 Well Volume: 6.75 gal. [(3) x (5)]

Method of Purging: ☐ WaTerra ☐ Bailer ☒ Submersible ☐ Other: ____

Volume Conversion: (gal./ft.)
2" = 0.163 4" = 0.653 6" = 1.469 8" 2.611 10" = 4.08

Field Analysis: Began purging at 0840 hrs

Volume Purged (gal.)	Initial									
Time	0840	0850	0855	0900	0905	0910	0915	0925	0930	0935
ORP/EH (mV)	236	269.6	264.7	275.0	277.5	272.6	272.8	225.5	224.7	222.5
pH	8.20	7.59	7.65	7.67	7.70	7.71	8.12	8.51	8.53	8.53
Cond. (µS/CM³)	340	333	332	332	332	331	332	332	332	332
Turbidity (NTU)	21.2	99.3	102	75.8	65.6	54.7	74	55.7	55.0	55
D.O. (mg/L)	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Temperature (°C)	11.74	11.74	11.71	11.38	11.31	11.29	11.58	12.27	12.24	12.31

Total Volume Purged: 1.5 gal. Total Purge Time: 55 minutes

Sampling Information:

Sampling Method: Grab/Submersible

Sampling Time: 0940 hrs

No. of Bottles: 6 (includes field filtered dissolved metals and PCBs)

Sample Analyses: TCL VOC (8260), PCB (EPA 608), Pb (EPA 200.7) & Hg (EPA 245.1)

Comments: NM = Parameter not measured.
- Water was very clear w/ no odor or sheen.
- At 0915 hrs, water stopped flowing, when flow resumed, temperature, pH and turbidity values all rose while ORP values fell. Continued taking field parameter readings at 0925 hrs. Field parameters restabilized and sampled at 0940 hrs.
- Water level @ 12.65' w/ pump @ start and @ 17.54' w/ pump @ finish.
- Turbidity at sampling @ 60.8 NTUs.
- Turbidity after sampling @ 62.0 NTUs.
- Turbidity after filtering and sampling @ 11.3 NTUs.
- Flow rate during purging was approximately 150 ml/min.
- Installed 53' of 3/8" tubing.

APPENDIX D

CHAIN OF CUSTODY

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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: Clough, Harbour & Associates	**Address:** 3 Winners Circle	
Send Report To: Keith Cowan	**Project Name (Location)** Vatrano Rd.	**Samplers: (Names)** R. Hall, J. Herrick
Client Phone No: 457-2894 **Client Fax No:** 453 4773	**PO Number:** 7899	**Samplers: (Signature)** [signature]

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.	A/P	Matrix	Comp	Grab	Number of Cont's	Analysis Required
001	MW-2	4/5/05	2:30	P	H2O		X	6	T+D PCBS T+D metals Hg VOC 8260
002	MW-3	4/5/05	1200	P	↓		X	6	↓
003	MW-4	4/5/05	11:00	A			X	6	
004	MW-5	4/5/05	1:10	P			X	6	
005	MW-6	4/4/05	320	P			X	4	T-PCBS; T Hg + Pb VOC 8260
006	MW-7	4/4/05	200	P			X	4	↓
007	MW-8	4/4/05	1235	P			X	4	
008	MW-9	4/5/05	9:40	A			X	6	T+D PCBS T+D metals Hg VOC 8260
009	MW-10	4/5/05	3:00	P	↓		X	6	↓
010	trip Blank - LOT # 101	—	—		H2O		-	1	VOC 8260.
				A/P					
				A/P					
				A/P					
				A/P					

AES Work Order #: 050405034

CC Report To / Special Instructions/Remarks: All dissolved PCBs + metals were field filtered; in line 0.45 micron filter.

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Robert M. Hall		
Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Received for Laboratory by: [signature]	Date/Time 4/5/05

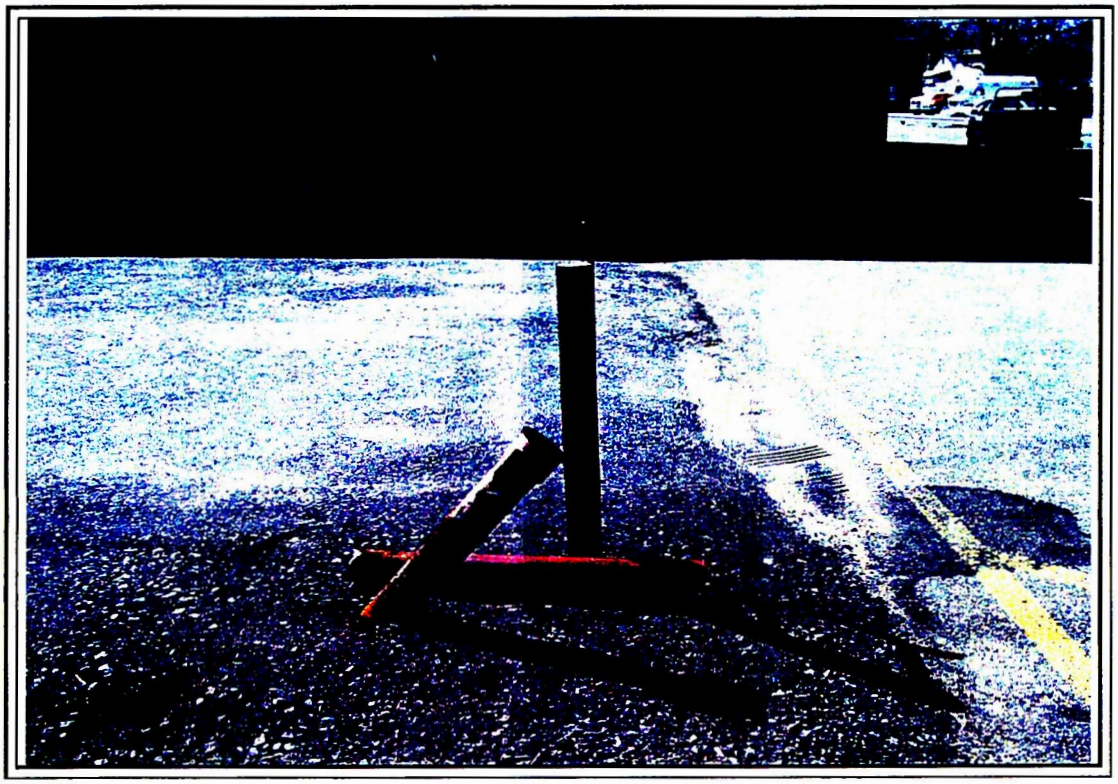
TEMPERATURE	PROPERLY PRESERVED	RECEIVED WITHIN HOLDING TIMES
Ambient or Chilled	Y N	Y N
Notes:	Notes:	Notes:

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

APPENDIX E

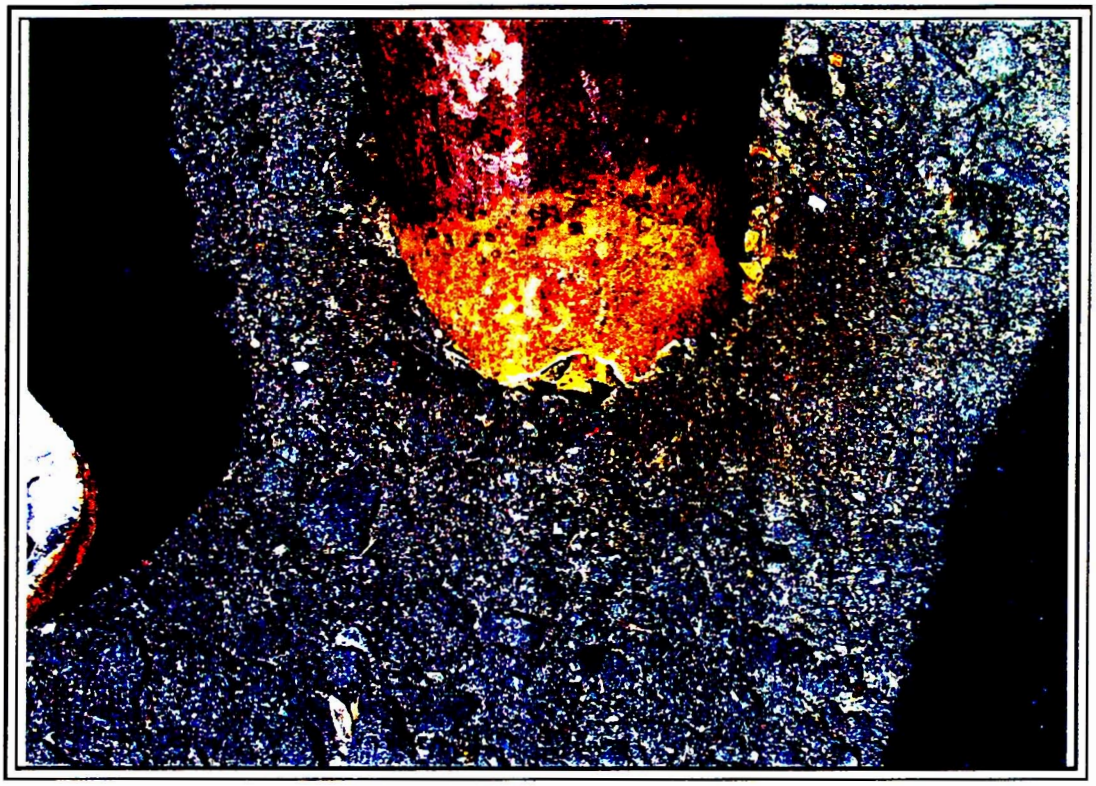
SITE PHOTOGRAPHS

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.

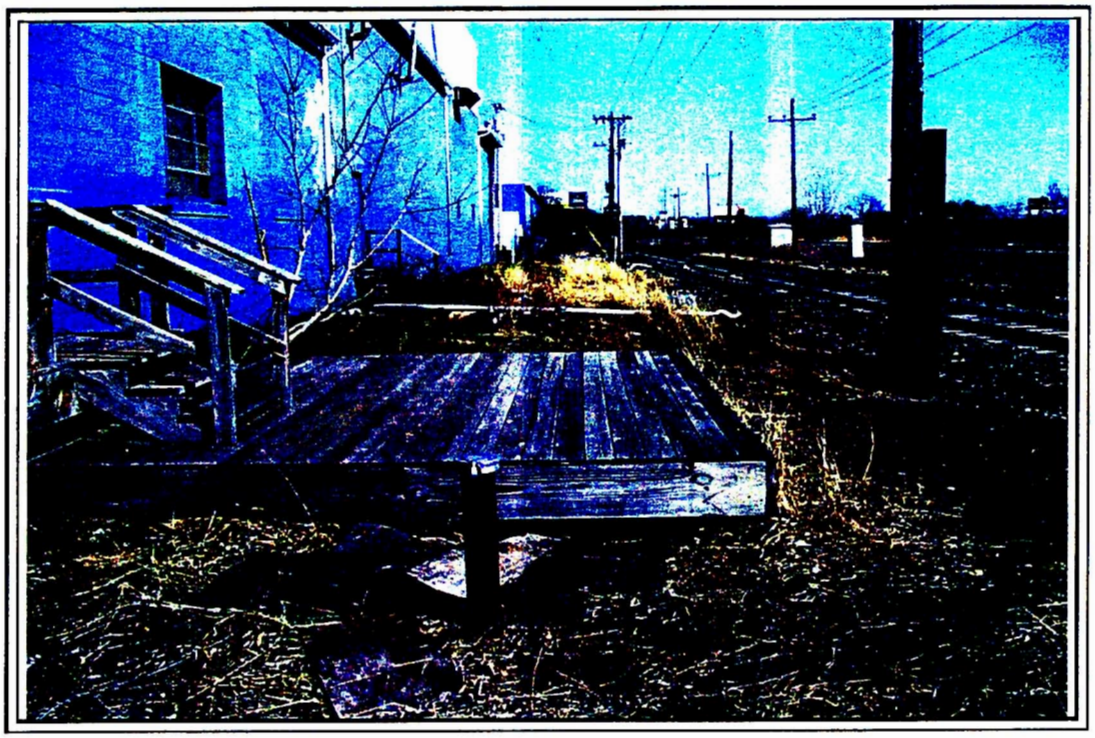
CHA CLOUGH, HARBOUR & ASSOCIATES LLP ENGINEERS, SURVEYORS, PLANNERS & LANDSCAPE ARCHITECTS		**SITE PHOTOGRAPHS**
M:\7899\Vatrano Rd Reports\06-05 report\6-05REPphotos(rev.12-05).doc	Date Taken: April 4, 2005	**Vatrano Road Site Albany, New York**



Photograph 3. Broken protective steel casing of MW-1.

Photograph 4. Purging and obtaining field parameter readings from MW-5.

CLOUGH, HARBOUR & ASSOCIATES LLP ENGINEERS, SURVEYORS, PLANNERS & LANDSCAPE ARCHITECTS	**SITE PHOTOGRAPHS**
M:\7899\Vatrano Rd Reports\06-05 report\6-05REPphotos(rev.12-05).doc Date Taken: April 4, 2005	**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.

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M:\7899\Vatrano Rd Reports\06-05 report\6-05REPphotos(rev.12-05).doc	Date Taken: April 4, 2005	**Vatrano Road Site** **Albany, New York**

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.

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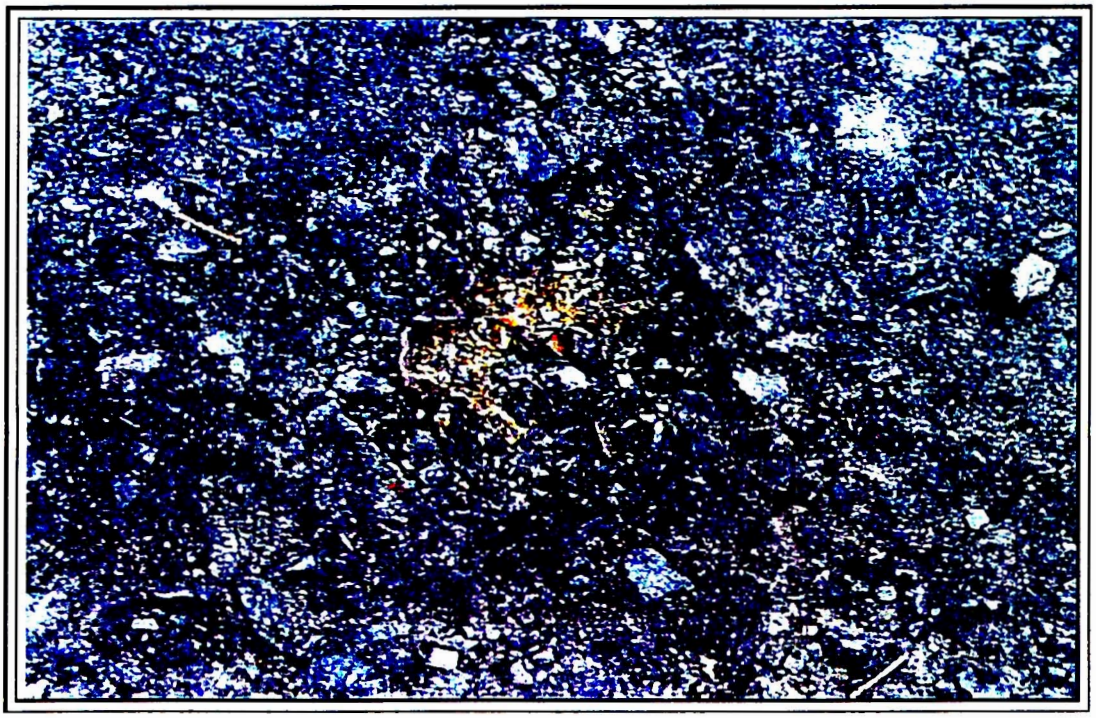
M:\7899\Vatrano Rd Reports\06-05 report\6-05REPphotos(rev.12-05).doc	Date Taken: April 4, 2005	**Vatrano Road Site** **Albany, New York**

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.

CLOUGH, HARBOUR & ASSOCIATES LLP ENGINEERS, SURVEYORS, PLANNERS & LANDSCAPE ARCHITECTS	**SITE PHOTOGRAPHS**
M:\7899\Vatrano Rd Reports\06-05 report\6-05REPphotos(rev.12-05).doc Date Taken: April 4, 2005	**Vatrano Road Site** **Albany, New York**

Photograph 11. Former location of MW-1 and protective bollards at the northwestern corner of the paved parking area between Buildings 14 and 16.



Photograph 12. Remains of MW-1.

CLOUGH, HARBOUR & ASSOCIATES LLP ENGINEERS, SURVEYORS, PLANNERS & LANDSCAPE ARCHITECTS		**SITE PHOTOGRAPHS**
M:\7899\Vatrano Rd Reports\06-05 report\6-05REPphotos(rev.12-05).doc	Date Taken: December 1, 2005	**Vatrano Road Site** **Albany, New York**