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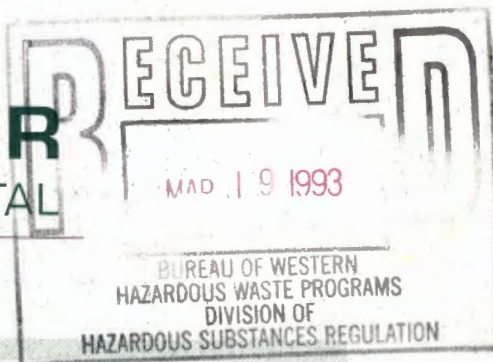
SENECA FALLS, NEW YORK

**RCRA POST - CLOSURE
GROUNDWATER MONITORING REPORT**

MARCH 1993



CHESTER
ENVIRONMENTAL



**RCRA POST - CLOSURE
GROUNDWATER MONITORING REPORT**

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PROJECT NUMBER 288788

MARCH 1993

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EXECUTIVE SUMMARY

Philips maintained a television tube manufacturing operation in the Village of Seneca Falls, New York until 1986 when manufacturing ceased. Beginning in 1972, wastewater containing hazardous waste was generated during the television tube manufacturing operations, was treated at the on-site Industrial Wastewater Treatment Plant and discharged to RCRA impoundments with subsequent discharge to the Seneca River. In 1983, Philips initiated a groundwater monitoring program for the RCRA impoundments.

Post-closure quarterly monitoring was initiated in August 1989 following clean-closure of the RCRA impoundments and has continued for the NYSDEC required three-year minimum. Based on the groundwater analytical results collected in that three-year period, regional groundwater quality data, and statistical evaluations performed on results that exceeded NYS groundwater standards, post-closure monitoring does not need to be continued. The monitoring wells, except MW-1 and MW-8, which may be monitoring with another source of constituents of concern not associated with the impoundments, should be properly abandoned.

1.0 INTRODUCTION

This document was prepared by Chester Environmental (Chester) for Philips Display Components Company (Philips) to summarize the history of the RCRA impoundments, subsequent monitoring well installations, and to present the three-year post-closure quarterly groundwater monitoring results (Fourth Quarter 1989 through Fourth Quarter 1992). Philips maintained a manufacturing operation in the Village of Seneca Falls, New York until 1986.

The manufacturing facility was originally owned by Rumsey Pump, a manufacturer of well pumps, lawn mowers and other casted materials. Sylvania Electric (Sylvania) purchased the facility at Seneca Falls from Rumsey Pump in 1948 and manufactured black and white television picture tubes from 1948 to 1960. GTE purchased the facility in 1960 and continued manufacturing black and white and color television picture tubes. During the operation of the facility, GTE expanded the facility from five buildings to thirteen buildings. In 1981, Philips purchased the facility from GTE, and maintained the manufacturing of color television picture tubes. In 1986, all manufacturing operations ceased. The manufacturing equipment was removed to another location or sold in 1987. In 1989 the facility was sold to the Seneca County Industrial Development Agency (IDA).

A plan view of the facility is shown on Figure 1. The facility is bordered by Van Cleef Lake and the Seneca River/Barge Canal to the south, undeveloped and agricultural areas to the north and east, and residential area to the west.

Hazardous waste such as hydrofluoric acid, chrome, lead and zinc bearing caustic and acid wastewaters were generated during the television glass and metal tube component fabrication, cleaning, finishing, coating, and tube salvage operations. Prior to 1972 these wastewaters were discharged into the Seneca River Barge Canal. In 1972 the wastewater discharge was redirected to a newly constructed Industrial Wastewater Treatment Plant. After treatment, wastewaters were discharged to the RCRA impoundments with subsequent discharge to the Seneca River. In 1983 Philips initiated a groundwater monitoring program for the RCRA impoundments (EPA ID #NY002246015).

on-site

A total of sixteen monitoring wells were installed around the impoundments at the Seneca Falls facility. Eight wells, MW-1 through MW-4 and MW-13 through MW-16, were completed in the glacial till. Five wells, MW-7 through MW-11, were completed in the bedrock aquifer. Monitoring well MW-12 was completed across the till/bedrock interface.

In 1988, as part of the impoundment closure, soil samples were collected from soils at the base of the impoundments. Analytical results indicated that release of hazardous wastes had not occurred. The NYSDEC issued a letter in May 1989 stating that the impoundments were clean closed. The letter is presented in Appendix A. ✓

Post-closure groundwater monitoring was initiated during the fourth quarter of 1989 and continued for a three-year period through the third quarter of 1992. An additional round of groundwater samples were collected during the fourth quarter of 1992, due to lead concentrations in MW-12 exceeding New York State Groundwater Standards in a limited number of sampling events.

The following sections present the history of the RCRA monitoring program and the post-closure groundwater monitoring results at the Seneca Falls facility. The conclusions presented are based upon an evaluation of regional groundwater quality data, a comparison of the post-closure analytical results to New York State Groundwater Standards, and statistical evaluations of the post-closure analytical results. Based upon the conclusions, Chester recommends that the post-closure monitoring of the former RCRA impoundments be discontinued. The monitoring wells, except MW-1 and MW-8, which may be monitoring another source of constituents of concern not associated with the impoundments, should be properly abandoned. The following sections present a discussion of the data which support these recommendations.

2.0 BACKGROUND

This section discusses modifications made to prevent the discharge of hazardous waste to the Seneca River Barge Canal, the monitoring of the RCRA impoundments and the closure of the impoundments.

2.1 Operational History

The manufacturing of television picture tubes generated hazardous waste at the Seneca Falls facility. The hazardous waste was comprised of hydrofluoric acid, chrome, lead, and zinc bearing caustic and acid wastewaters. Prior to 1972, the wastewaters were channeled to facility sewer systems and were discharged directly to the Seneca River Barge Canal.

In 1971 and 1972 GTE segregated the sewer system for treated and nontreated wastewaters and constructed a Industrial Wastewater Treatment Plant (IWTP). *on-site* The IWTP was permitted and began operation in August of 1972, and continued operation until it was decommissioned in 1990. The IWTP treated hydrofluoric acid, chrome, lead and zinc bearing caustic and acid wastewaters generated during manufacturing operations. The equipment used at the IWTP was environmentally cleaned in 1990 and remains at the facility for use by the present owner of the property, the Seneca County Industrial Development Agency.

Two surface impoundments, one for settling and one for filter cake were constructed in 1972. The impoundment locations are shown on Figure 2. The purpose of the settling impoundment was to allow the finer solids not removed from the wastewater during the initial treatment to settle out of suspension. The filter cake impoundment was used as a staging area for the filter cake generated during the treatment operations to remove metals (i.e., chrome, lead and zinc) from the wastewater at the IWTP. The wastewater from the impoundments eventually discharged to the Seneca River.

In November 1980, RCRA regulations became effective that prohibited the treatment and disposal of hazardous waste without a permit. Philips applied for an

interim status permit and the Seneca Falls facility has been operating in accordance with the interim status provisions.

2.2 History of Monitoring Well Installation

Under the interim status provisions, monitoring wells were installed to determine if hazardous materials from the impoundments impacted the uppermost aquifer underlying the facility.

The initial groundwater monitoring system consisted of four monitoring wells, MW-1, MW-2, MW-3, MW-4; and two observation wells, TB-5 and TB-6, installed on March 8 through March 12, 1983. Additional monitoring wells were requested by the U.S. EPA and NYSDEC due to the complex hydrogeology at the site. Monitoring wells MW-7 through MW-16 were installed from September 1983 through November 1985. Figure 2 shows the location of the monitoring well installations, and Table 1 presents a summary of monitoring well construction.

Due to the complex site hydrogeology and the natural geochemistry of the groundwater underlying the impoundments, it was agreed by both Philips and the NYSDEC that the implementation of a conventional RCRA groundwater monitoring system was impractical. In August of 1986, a work plan entitled "Implementation of an Alternate Groundwater Monitoring System" was submitted to the NYSDEC for approval; the report initiated the Groundwater Quality Assessment Program. The Assessment Program was initiated in the third quarter of 1986 and groundwater samples were collected from monitoring wells MW-1, MW-12, MW-13, MW-16 and a composite groundwater sample from wells MW-4, MW-14, and MW-15. Groundwater samples were analyzed for the following constituents for concern:

<u>Indicator</u>	<u>Inorganic</u>	<u>Metals</u>	
pH	Chloride	Cadmium	Manganese
Conductivity	Fluoride	Calcium	Nickel
Total Organic Carbon	Sulfate	Chromium	Sodium
Total Organic Halogen		Lead	Zinc

Groundwater samples were collected on a quarterly basis for the first four quarters prior to the initiation post-closure monitoring.

In July of 1988, representatives from Philips, Chester and the NYSDEC met to discuss the RCRA monitoring system at the Seneca Falls facility. The result of the meeting was that the RCRA monitoring system was deemed inadequate by the NYSDEC primarily because sufficient volumes of groundwater could not be collected from monitoring wells MW-4, MW-14 and MW-15 to fully document groundwater quality downgradient of the RCRA impoundments. The NYSDEC informed Philips that groundwater monitoring would be required for a minimum of three years following the closure of the RCRA impoundments.

Eight monitoring wells were selected for inclusion in the post-closure quarterly RCRA Groundwater Monitoring Program. The monitoring wells selected were: MW-1, MW-4, MW-8, MW-12, MW-13, MW-14, MW-15 and MW-16. Post-closure monitoring is being performed under the Groundwater Quality Assessment Program and therefore, statistical evaluations of quarterly monitoring results are not required.

2.3 RCRA Impoundments

The two RCRA surface impoundments used during the operation of the facility are shown on Figure 2. The smaller of the two impoundments was used as a filter cake holding area. The filter cake material was generated at the IWTP during the treatment processes to remove the metals such as chromium, lead and zinc from wastewater. Solids produced during wastewater treatment were processed in a filter press to remove excess liquid, and then staged in the filter cake impoundment prior to final disposal. The larger impoundment was used as a holding area for treated wastewater prior to discharge to the Seneca River Barge Canal.

After the manufacturing operations at the facility ceased, the RCRA impoundments were no longer required. A closure plan was developed to assess the underlying soils for impacts and to backfill the impoundments. Soil samples for chemical

analysis were collected from the bottom of the impoundments. A total of five soil borings were completed, two in the filter cake impoundment and three in the holding impoundment. Two soil samples were collected from each boring and submitted to the Chester laboratory for chemical analysis. Analytical results from the soil samples were used to document that constituents had not been released to the underlying soils. The analytical results, sampling depths and soil boring locations can be found in Appendix B. ✓

The NYSDEC issued a letter to Philips on May 12, 1989 stating that no contaminants harmful to human health or the environment were left in the impoundment and that the impoundments could be filled and graded in accordance with the closure plan. The impoundments were backfilled in August of 1989.

Since closure of the hazardous waste units in 1989, Philips has been in a post-closure monitoring phase (assessment) for a period of three years to determine if the groundwater has been impacted due to closure of the RCRA impoundments. The final groundwater sampling for that three year period occurred in August of 1992. An additional sampling round occurred during November 1992, due to lead concentrations in MW-12 exceeding New York State Groundwater Standards in a limited number of sampling events.

3.0 GEOLOGY

3.1 Physical Setting

The Village of Seneca Falls is located in the Western Oswego Basin, which consists of a 2600 square mile area in Central New York. The Basin is divided into two physiographic provinces, the Central lowland and Appalachian Plateau. The Village of Seneca Falls is located in the Central Lowland Province.

3.2 Regional Geology

The entire region was overlain with glaciers (Wisconsin Glaciation) during the Pleistocene Epoch. At that time glacial till, silt and clays and sand and gravel were deposited unconformably over bedrock.

Bedrock beneath the glacial till consists of, from youngest to oldest, the Bertie Limestone and the Camillus Shale of the Silurian Salina Formation. The Bertie Limestone, a magnesium limestone with slaty shale interbeds ranging in thickness from three to ten inches containing thin beds of gypsum, directly underlies the till and is approximately 25 feet thick in the region.

The Camillus Shale is directly beneath the Bertie Limestone and is predominantly a shale unit with thin beds of evaporitic limestone, gypsum and salt. The thickness of the Camillus Shale is approximately 500 feet.

3.3 Site Geology

The plant facility is underlain by glacial till, deposited as a result of Wisconsin Glaciation. The thickness of the till ranges from 21 to 37 feet below ground surface as determined by drilling at the site, and consists primarily of clay with trace amounts of medium sand to boulder sized material.

Subsurface information obtained from the borings used for the installation of monitoring wells was used to construct geologic cross sections across the locations

✓ shown as A-A' and B-B' on Figure 3. ✓ These cross-sections, shown as Figures 4 and 5, have been developed to illustrate complexity of the hydrogeologic regime at the site and also to show which monitoring wells were completed in the glacial till, at the till/bedrock interface and in the bedrock. The cross sections indicate that two water-bearing units are monitored, one in the till and one in the bedrock. For reference, the minimum seasonal navigational level for the river (378.94 feet) has been annotated on both cross sections.

Perched groundwater in the till unit is typically found in the lower portion of the till and along the till/bedrock interface. Groundwater elevations from post-closure monitoring is presented in Table 2. ✓ Groundwater in the till is inferred to flow in a southeasterly direction. A water table cannot be determined because some of the wells screened in the till are dry, indicating it may be a discontinuous body of water or a perched zone.

3.4 Groundwater Quality

3.4.1 Regulatory Criteria

Analytical results from the post-closure monitoring were compared to the New York State Water Quality Regulations for Surface Water and Groundwater (NYS groundwater standards) and to U.S. EPA National Drinking Water Standards Maximum Concentration Limits (U.S. EPA MCLs). The constituents of concern at the Seneca Falls facility and the associated regulatory criteria are presented in Table 3. ✓ Constituent concentrations that exceeded regulatory criteria, were compared to naturally occurring constituent concentrations found in the regional Groundwater quality study presented in Section 3.3.2. If the exceedances were above regional groundwater quality concentrations, a statistical evaluation was performed for that constituent as discussed in Section 4.2.1.

3.4.2 Regional Groundwater Quality

Two published reports entitled "Chemical Quality of Ground Water in the Western Oswego River Basin, New York, Basin Planning Report, ORB-3 (Reference 5)," and

"The Ground-Water Resources of Seneca County, New York, Bulletin GW-26 (Reference 6)," prepared by the U.S. Department of the Interior Geological Survey (USGS) discuss groundwater quality issues in the Seneca Falls region. The reports discuss the occurrence, typical concentrations and potential sources for some of the constituents that are used to define groundwater quality in the region. Some of the constituents of concern discussed in these documents have been detected at the Seneca Falls facility. The analytical results presented in these reports were compared to analytical results obtained at the Seneca Falls facility.

The source of sulfate found in bedrock aquifers in the region is believed to be the result of the dissolution of gypsum from the Bertie Limestone. The Bertie Limestone contains thin beds of gypsum that are more soluble than the parent bedrock. When groundwater contacts the gypsum, dissolution of sulfate occurs. The result is that sulfate concentrations in the bedrock are typically higher than concentrations detected in the glacial tills.

The source of chloride and sodium found in bedrock aquifers in the region is believed to be the result of the dissolution of salt deposits from the Camillus Shale. The Camillus Shale contains salt deposits that are more soluble than the parent bedrock. The result is that chloride and sodium concentrations in the bedrock are typically higher than concentrations detected in the glacial tills. Salts that may have been deposited during glaciation typically have been leached from the tills.

The source of calcium and manganese found in bedrock aquifers in the region is believed to be result of the dissolution of the limestone.

4.0 ANALYTICAL RESULTS

Of the eight monitoring wells were selected for the post-closure monitoring program, wells MW-1, MW-8, MW-12, MW-13 and occasionally MW-16 have yielded sufficient quantities of groundwater for chemical analysis during the RCRA post-closure monitoring. Monitoring well MW-4 contained a sufficient quantity during the Second Quarter sampling event in January of 1990. Monitoring wells MW-14 and MW-15 were dry during all quarterly sampling events. This section presents the analytical results from post-closure monitoring and provides an evaluation of the data based upon statistical analyses and comparison of analytical results to Federal and State Criteria.

4.1 Historical Analytical Results

4.1.1 Pre-Closure Monitoring Analytical Results

Groundwater samples were collected from the monitoring well system and analyzed on a quarterly basis from March 1983 to closure of the impoundments in August 1989. The pre-closure analytical results have not been included in the evaluation for post-closure but are presented in Appendix C. ?

4.1.2 Post-Closure Monitoring Analytical Results

Groundwater samples were collected and analyzed on a quarterly basis during the three year post-closure monitoring period from August 1989 to August 1992. Additional groundwater samples were collected during the 1992 Fourth Quarter due to concentrations of lead above New York State groundwater standards. The three year post-closure period ended as of the Third Quarter sampling in August 1992. The analytical results are presented in Tables 4 through Tables 20 and graphically reproduced in Appendix D. ✓ A discussion of the post-closure analytical results is presented in Section 4.2.

4.2 Discussion of Post-Closure Analytical Results

Analytical results from the groundwater samples have been evaluated to determine the presence of constituents of concern at the site. In this section the post-closure analytical results are evaluated to determine the need to continue post-closure monitoring and if monitoring is required what specific analytical parameter and/or monitoring wells would be required for future monitoring.

4.2.1 Statistical Procedure

Under the Groundwater Quality Assessment program, statistical evaluations on a quarterly basis were not required. Statistical evaluations were performed on the post-closure analytical results to satisfy the requirements of the Philips Closure Plan (July 1986) and to determine if exceedances detected in the groundwater, as compared to the groundwater standards or MCLs, were impacting groundwater quality at the Seneca Falls Facility.

The U.S. EPA publication, "Statistical Analysis of Ground-Water Monitoring Data at RCRA Facilities-Interim Final Status," April 1989 (Reference 7) was used to assist in the evaluation of the analytical results. The EPA publication provides guidance for selecting the appropriate statistical method and instructions for executing the procedures and interpreting the results. The three statistical methods used to evaluate the post-closure analytical results were: control charts (Section 7.0), statistical evaluation for an outlier (Section 8.2) and statistical evaluation for comparison with MCLs or ACLs (Section 6.0).

Control charts were generated to graphically depict the distribution of the constituents during the post-closure sampling period. These charts are presented in Appendix D. A review of the charts indicates that six constituents exceeded the groundwater standards one or more times. The six constituents are: cadmium, chromium, fluoride, lead, nickel, and zinc. When a constituent of concern exceeded the groundwater standard, further statistical evaluations were performed.

When a regulated unit is in a compliance monitoring program with a fixed compliance limit, such as the groundwater standard, construction of a confidence interval for the mean concentration from the sample data is recommended. The confidence interval is represented by a range around the mean, where the limits are defined by an established number of standard deviation units (mean $\pm$ standard deviation). The confidence interval is then compared with the compliance limits. If the entire confidence interval exceeds the compliance limit, then statistically significant evidence is provided that the mean concentration exceeds the compliance limit.

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Prior to conducting any statistical evaluation, the mean concentration and standard deviation are calculated to determine whether the data are normally distributed. Allowing nondetect data to be equal to half the detection limit, the sample mean ($\bar{x}$) and standard deviation (s) are calculated. If the ratio of the standard deviation and the sample mean ($s/\bar{x}$) (coefficient of variation test) is less than one, the data are presumed to be normally distributed.

If an assumption of normality cannot be made, then the data may be transformed logarithmically. To transform the data logarithmically, the natural logarithm of each point is calculated and the mean and standard deviation are derived for this transformed set of data. If the coefficient of variation is less than 1, the log-transformed data are assumed to be normally distributed. This assumption of normality provides the basis for deriving a confidence interval.

A 99 percent confidence interval can be constructed from the log-transformed data. The limits of the confidence interval are defined by the relationship:

$$\bar{x} \pm t(0.99, n-1) s/n^{0.5}$$

where $\bar{x}$ and s are the mean and standard deviation of the log transformed data, respectively, n is the sample size (28), and $t(0.99, n-1)$ is from the t-distribution for a 1 percent level of significance and $(n-1)$ degrees of freedom. The t-statistics are established values available in a table in any statistics book. Using this calculation, the limits of the confidence interval are established. The confidence interval is then

compared to a compliance limit for a particular constituent. The compliance limit for purposes of this report are the NYS groundwater standards and Federal MCLs. If the mean concentration for the confidence interval does not exceed the NYS groundwater standard then the entire confidence interval does not exceed the compliance limit.

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The NYS groundwater standard for cadmium, chromium, fluoride, nickel and zinc were exceeded only once, but at separate events during post-closure monitoring. Using the procedures as discussed above and procedures presented in Section 8.2 (Reference 7) these constituents were evaluated to determine if they were outliers. The results of the statistical evaluation are presented in Table 4 and indicate that these constituents are outliers and are not a concern at the Seneca Falls Facility.

Lead concentrations exceeded the groundwater standards during the 1990 Fourth Quarter, 1991 First Quarter, 1991 Fourth Quarter and 1992 Third Quarter sampling events in monitoring well MW-12. The procedures outlined above were used to determine if these lead exceedances were statistically significant. The results of the statistical evaluation indicates that lead concentrations in monitoring well MW-12 do not statistically exceed the groundwater standard.

4.2.2 Review of Groundwater Quality Analytical Results

Each parameter listed in Table 2 was evaluated using the following criteria to determine if:

- NYS groundwater standards or Federal MCLs have been exceeded.
- The NYS groundwater standards exceedance is an outlier based on statistical evaluation.
- The NYS groundwater standards exceedance is significant based on statistical evaluation.
- The exceedance is within typical ranges for groundwater quality data.
- Continued groundwater monitoring is required.

The comparison of the criteria listed above and the analytical results from post-closure monitoring is presented in the following paragraphs.

Cadmium

The post-closure analytical results for cadmium are presented in Table 5[✓] and are presented graphically in Appendix D. The NYS groundwater standard of 0.010 mg/L was exceeded during the 1989 Fourth Quarter sampling event in monitoring well MW-16 and a statistical evaluation was performed to determine if this constituent was an outlier. The statistical results presented in Table 4 indicate that the exceedance is an outlier.

A detection limit of 0.025 mg/L was used during 1992 Second, Third and Fourth Quarter sampling events during the analysis of groundwater samples from well MW-12. The detection limits used is above the NYS groundwater standard.

*interference -
dilution*

Detection limits are typically raised due to the presence of various alkali or alkaline-earth metals such as sodium or calcium in the groundwater. When groundwater samples having high concentrations of an alkali or alkaline earth metals are analyzed, the laboratory equipment becomes saturated during analysis process. The saturation of the equipment means that one or more of these metals creates interference among the wavelengths for the other constituents that might be present in the water sample. Due to the interference, quantification of other constituents that might be present in the water sample can not be performed. When interference problems such as described above occur, water samples are routinely diluted in the laboratory.

The groundwater in monitoring well MW-12 contains significant concentrations of the alkali metals calcium and sodium which required dilution of the sample. A five to one dilution was used when analyzing groundwater samples from well MW-12 during sampling events that occurred in the last three quarters of 1992. The dilution resulted in the increased detection limit of 0.025 mg/L for cadmium.

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Cadmium is not a concern in the post-closure monitoring system and monitoring for this constituent should be discontinued. ✓

Calcium

Currently, no NYS groundwater standard or U.S. EPA MCL has been established for calcium. Table 6 presents the analytical results for the post-closure monitoring period. The concentrations in monitoring wells MW-8, MW-12 and MW-13 are believed to be the result of dissolution of limestone bedrock or limestone fragments in the basal till (Reference 5). Calcium is a naturally occurring constituent in carbonate aquifers and the concentrations in MW-8, MW-12 and MW-13 are similar to regional groundwater quality. Calcium is not a concern within the post-closure monitoring system and monitoring for this constituent should be discontinued. ✓

*Not a haz.
constituent*

Chloride

The post-closure analytical results for chlorides are presented in Table 7 and are presented graphically in Appendix D. The NYS groundwater standard of 250 mg/L was exceeded during all of the post-closure sampling in monitoring wells MW-8 and MW-12. Well MW-8 is completed in the bedrock and MW-12 is completed across the till/bedrock interface. ✓

Although the NYS groundwater standard for chloride was exceeded, the concentrations detected in MW-8 are consistent with concentrations of chlorides for bedrock wells evaluated in the Seneca Falls Region (Reference 5). The higher concentrations of chloride are due primarily to the dissolution of salt deposits within the Camillus Shale. Because these wells MW-8 and MW-12 monitor groundwater within the bedrock, it is suggested that the concentrations of chloride are naturally occurring.

Monitoring well MW-12 is screened across the interface between the basal till unit and the upper bedrock. The chloride concentrations are analogous to the concentrations detected in well MW-8, and would indicate that MW-12 is

monitoring bedrock groundwater and not the till aquifer. Thus, in future discussions, well MW-12 will be considered a bedrock well. ✓

The concentrations of chlorides in the till wells MW-1, MW-13, and MW-16 are below the NYS groundwater standard for chloride. Chloride is not a concern in the post-closure monitoring system and monitoring for this constituent should be discontinued. ✓

Chromium

The post-closure analytical results for chromium are presented in Table 8 and are presented graphically in Appendix D. The NYS groundwater standard of 0.050 mg/L was exceeded only once during the post-closure monitoring period (1991 Fourth Quarter sampling event) in monitoring well MW-12. A statistical evaluation was performed to determine if this constituent was an outlier. The statistical results presented in Table 4 indicate that the exceedance is an outlier. Chromium is not a concern in the post-closure monitoring system and monitoring for this constituent should be discontinued. ✓

Fluoride

The post-closure analytical results for fluoride are presented in Table 9 and are presented graphically in Appendix D. The NYS groundwater standard of 1.5 mg/L was exceeded only once during the post-closure monitoring period (1990 Third Quarter sampling event) in monitoring well MW-1. The results of the statistical evaluation presented in Table 4 indicate that the exceedance is an outlier. Fluoride is not a concern in the post-closure monitoring system and monitoring for this constituent should be discontinued. ✓

upgradient

Lead

The post-closure analytical results for lead are presented in Table 10 and are presented graphically in Appendix D. The NYS groundwater standard of 0.025 mg/L was exceeded in monitoring well MW-12 during four sampling events during

1992
the post-closure monitoring period; the 1990 Fourth Quarter, 1991 First and Fourth Quarter, and the 1993 Third Quarter sampling events. A statistical evaluation was performed for the lead values.

As discussed in Section 4.2.1, concentrations for lead were evaluated and determined to be lognormally distributed. Once the determination of lognormality was made for the data, parametric statistical procedures were used to develop a confidence interval for the data. The mean concentration and standard deviation of the lead values are 0.020 mg/L, and 0.002 mg/L respectively. The confidence interval was developed and the limits are 0.013 mg/L and 0.029 mg/L, respectively. The mean concentration of 0.020 mg/L does not exceed the NYS groundwater standard of 0.025 mg/L. Therefore, the results of the statistical evaluation indicate that the lead concentration for well MW-12 is in compliance and does not significantly exceed the NYS groundwater standard. Lead is not of concern and monitoring for this constituent should be discontinued.

12 considered
a BR well.
see p. 4-7

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Magnesium

The post-closure analytical results for magnesium are presented in Table 11 and are presented graphically in Appendix D. The NYS groundwater standard of 35 mg/L was exceeded during all post-closure sampling events in wells MW-1, MW-8, MW-12, MW-13 and MW-16. The source of magnesium is from the dissolution of the magnesium contained within the underlying limestone bedrock and limestone fragments in the basil till unit and is naturally occurring in bedrock aquifers. Magnesium is not a constituent of concern in the post-closure monitoring system and monitoring for this constituent should be discontinued.

Manganese

The post-closure analytical results for manganese are presented in Table 12 and are presented graphically in Appendix D. There has been no regulatory criteria established for manganese. Manganese is a naturally occurring constituent in the groundwater, is not a concern within the post-closure monitoring system, and monitoring for this constituent should be discontinued.

Nickel

The post-closure analytical results for nickel are presented in Table 13 and are presented graphically in Appendix D. The Federal MCL action level of 0.100 mg/L was exceeded only once during the Post-Closure monitoring period (1991 Fourth Quarter sampling event) in monitoring well MW-12 and a statistical evaluation was performed to determine if this constituent was an outlier. The statistical results presented in Table 4 indicate that the exceedance is an outlier. A detection limit of 0.20 mg/L was used during the analysis for groundwater samples from the second, third and fourth quarters of 1992 from well MW-12, which is above the Federal MCL. The groundwater samples for these sampling events were diluted as explained under the cadmium discussion. Nickel is not of concern in the post-closure monitoring system and monitoring for this constituent should be discontinued. ✓ OK ✓

Sodium

The post-closure analytical results for ^{sodium}~~chromium~~ are presented in Table 14 and are presented graphically in Appendix D. The NYS groundwater standard of 20 mg/L was exceeded during all of the post-closure monitoring period in monitoring wells MW-8, MW-12 and MW-13, and in MW-1 during all of 1992.

Although the sodium NYS groundwater standards was exceeded, the concentrations detected in wells MW-8 and MW-12 are consistent with concentrations of sodium for bedrock wells evaluated in the Seneca Falls Region (Reference 2). The higher concentrations of sodium are due primarily to the dissolution of salt deposits within the Camillus Shale.

The concentrations of sodium in monitoring wells MW-1 and MW-13 that exceeded the NYS groundwater standard are the result of dissolution of the salts from the limestone fragments in the basal till. Monitoring well MW-1 is an upgradient well and was therefore not affected by the impoundments.

Sodium is not of concern in the post-closure system and monitoring for this constituent should be discontinued. ✓

Sulfates

The post-closure analytical results for sulfates are presented in Table 15 and are presented graphically in Appendix D. The NYS groundwater standard of 250 mg/L was exceeded during post-closure sampling in monitoring wells MW-8, MW-12 and MW-13. The higher concentrations of sulfate in the bedrock and till wells are due primarily to the dissolution of gypsum deposits with the limestone bedrock and limestone fragments in the basal till. ✓

Although the NYS groundwater standard for sulfate was exceeded, the concentrations detected in MW-8, MW-12 and MW-13 are consistent with concentrations of sulfate for bedrock wells evaluated in the Seneca Falls Region (Basin Planning Report, ORB-3). Sulfate is not of concern in the post-closure monitoring for these constituents should be discontinued. ✓

Zinc

The post-closure analytical results for ^{zinc}~~chromium~~ are presented in Table 16 and are presented graphically in Appendix D. The NYS groundwater standard of 0.300 mg/L was exceeded only once during the post-closure monitoring period (1991 Fourth Quarter sampling event) in monitoring well MW-12. The results of the statistical evaluation presented in Table 4 indicate that the exceedance is an outlier. Zinc is not of concern in the post-closure monitoring and monitoring for this constituent should be discontinued. ✓

4.2.3 Groundwater Indicator Parameters

Field measurements of groundwater for specific conductivity and pH, and laboratory analysis for total organic carbon (TOC) and total organic halogens (TOX) were required as part of the post-closure monitoring at the Seneca Falls facility. The

results of these data collection activities are presented in Tables 17 through 20. Graphical presentations for this data are presented in Appendix D.

A review of the graphical presentation for specific conductance and pH indicate that these parameters are within historic background levels. There is no evidence from pH measurements that the impoundments are impacting groundwater.

A review of the graphical presentations for TOC and TOX indicate that with the exception of the elevated TOC concentration in MW-1 during the 1991 First Quarter sampling event and the elevated TOX concentration in MW-8 during the 1991 Fourth Quarter sampling event, the remainder of the concentrations are within the historical background levels. Monitoring wells MW-1 and MW-8 are upgradient of the impoundments and the elevated concentrations detected in these wells are due to another source not associated with the impoundments and are considered statistical outliers for the RCRA impoundments based on previous statistical evaluation of other constituents of concern at the site. ✓

5.0 CONCLUSIONS

Post-closure groundwater monitoring was initiated in August 1989 following clean closure of the RCRA impoundments and has continued for the NYSDEC required three year minimum period. The following conclusions are based on the groundwater analytical results collected during post-closure monitoring and the evaluations presented in Section 4.0.

- Monitoring wells MW-4, MW-14, MW-15 have been consistently dry; MW-16 has occasionally produced sufficient volumes of groundwater for laboratory analysis, and MW-1, MW-8, MW-12, MW-13 consistently produced sufficient volumes of groundwater for laboratory analysis.
- The hydrogeology at the site is complex, however the inferred groundwater flow direction in the till aquifer is to the southeast.
- The measured calcium concentrations are similar to regional groundwater concentrations presented in the literature, are naturally occurring and, thus calcium is not a constituent of concern at the Seneca Falls facility.
- NYS groundwater standards were exceeded for the chloride, manganese, magnesium, sodium and sulfate. The concentrations of these constituents are the result of the dissolution of the underlying bedrock and are similar to the naturally occurring concentrations in the regional groundwater, and therefore are not constituents of concern at the Seneca Falls facility.
- The constituents cadmium, chromium, fluoride, nickel and zinc exceeded NYS groundwater standards once each during post-closure monitoring. Based on statistical evaluation, the exceedances are outliers and therefore, are not constituents of concern at the Seneca Falls Facility.

- The NYS groundwater standard for lead was exceeded only in monitoring well MW-12 during four sampling events. The statistical evaluation of the post-closure analytical results for lead indicates that lead does not significantly exceed the NYS standard of 0.025 mg/L; therefore, lead is not a constituent of concern at the Seneca Falls facility.
- The indicator parameters, specific conductance, pH, total organic carbons and total organic halogens are within historic levels. Evaluations of the time series graphs do not indicate that the underlying groundwater is impacted by the impoundments.

6.0 RECOMMENDATIONS

Based upon the evaluation of data collected during the three years of post-closure monitoring of the RCRA impoundments and the conclusions presented in Section 5.0, Chester recommends the following:

- Post-closure groundwater monitoring around the former RCRA impoundments at the Seneca Falls facility should be discontinued. The parameters, identified as constituents for concern were determined to be representative of naturally occurring groundwater concentrations, have been evaluated statistically and indicate that the impoundments did not release hazardous constituents into the subsurface including the glacial till and bedrock aquifers.
 - The analytical results for MW-1 and MW-8 indicate a potential separate source of constituents of concern not associated with the impoundments. Monitoring wells MW-1 and MW-8 should remain active and be considered for inclusion into the monitoring program presented in the Supplemental Sampling Visit Work Plan.
 - Monitoring wells MW-2, MW-3, MW-4, MW-7, MW-9, MW-10, MW-11, MW-12, MW-13, MW-14, MW-15 and MW-16 should be abandoned in accordance with NYS groundwater standards.
- leave in for MW-1 work*

REFERENCES

1. Code of Federal Regulations. CFR 40 Parts 264, 265, 270. Protection of the Environment.
2. New York State Department of Environmental Conservation. 1991. 6NYCRR-Parts 700-705, Water Quality Regulations for Surface Waters and Groundwaters.
3. The Chester Engineers. 1987. Groundwater Sampling and Analysis Protocol. Philips Display Components Company, Seneca Falls, New York.
4. The Chester Engineers. 1989. Report on Soil Sampling for Closure Documentation-Hazardous Waste Management Units. Philips Display Components Company, Seneca Falls, New York.
5. U.S. Department of Interior-Geological Survey. 1975. Chemical Quality of Groundwater in Western Oswego River Basin, New York. Basin Planning Report, ORB - 3.
6. U.S. Geological Survey. 1951. The Groundwater Resources of Seneca County, New York, Bulletin GW-26. Water Power and Control Commission.
7. U.S. Environmental Protection Agency. 1989. Statistical Analyses of Groundwater Monitoring Data at RCRA Facilities - Interim Final Guidance. Office of Solid Waste Management Division.
8. U.S. Environmental Protection Agency. 1992. National Drinking Water Regulations and Health Advisories, April 1992. Office of Water.
9. Wagner, T.P. 1991. Complete Guide to the Hazardous Waste Regulators. New York: Van Nostrand Reinhold.

TABLE 1

MONITORING WELL CONSTRUCTION SUMMARY

PHILIPS DISPLAY COMPONENTS COMPANY
SENECA FALLS, NEW YORK

WELL NO.	DATE INSTALLED	TOP OF CASING (MSL)	GROUNDWATER ELEVATION (MSL)	BEDROCK ELEVATION (MSL)	SCREEN TOP ELEVATION (MSL)	SCREEN BOTTOM ELEVATION (MSL)	BORE LOG WELL DEPTH (MSL)
PHASE I							
MW-1	3/12/83	462.13	459.33	<429	439.39	429.39	30.0
MW-2	3/10/83	449.19	445.95	425	434.75	424.75	22.0
MW-3	3/10/83	446.00	443.20	419	430.03	420.03	24.5
MW-4	3/9/83	444.56	441.96	417	428.80	418.80	26.0
MW-5*	3/8/83	457.47	454.36	<424	434.90	424.90	30.0
MW-6*	3/12/83	457.22	454.39	422	431.65	421.65	32.5
PHASE II							
MW-7	9/29/83	443.12	440.52	417	382.00	362.62	80.0
PHASE III							
MW-8	2/29/84	461.81	459.67	425	open borehole		150.0
MW-9	3/1/84	443.86	441.89	415	380.00	360.89	85.0
MW-10	3/3/84	448.81	446.31	417	383.00	363.31	84.0
PHASE IV							
MW-11	7/12/84	455.94	453.42	413	373.00	354.92	98.0
MW-12	7/10/84	456.27	453.60	420	421.00	411.60	42.0
PHASE V							
MW-13	10/30/85	459.56	456.39	421.39	431.59	421.79	47.0
MW-14	11/4/85	446.44	443.11	417.78	427.53	417.69	35.3
MW-15	11/7/85	445.32	442.84	419.34	427.84	417.84	33.5
MW-16	11/8/85	448.90	444.93	423.43	432.08	422.95	32.0

NOTES:

1) Bottom of filter cake pit = 445.69.

2) Bottom of settling lagoon = 437.69.

* Well MW-5 and MW-6 were abandoned in 1989 during closure of the regulated units.

MSL - Mean Sea Level.

TABLE 2

QUARTERLY GROUNDWATER ELEVATIONS

PHILIPS DISPLAY COMPONENTS COMPANY
SENECA FALLS, NEW YORK

FOURTH QUARTER	FIRST QUARTER	SECOND QUARTER	THIRD QUARTER	FOURTH QUARTER	FIRST QUARTER	SECOND QUARTER	THIRD QUARTER	FOURTH QUARTER	FIRST QUARTER	SECOND QUARTER	THIRD QUARTER	FOURTH QUARTER
10/4/89	1/18/90	4/19/90	8/21/90	11/28/90	1/18/91	4/8/91	7/31/91	10/29/91	2/4/92	5/11/92	8/5/92	11/5/92
420.39	455.55	455.62	451.84	455.24	454.07	454.78	451.33	451.10	455.23	454.91	455.64	455.58
424.75	DRY	DRY	425.03	425.05	DRY	425.06	DRY	DRY	DRY	DRY	DRY	DRY
420.03	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
418.80	421.29	419.71	DRY	419.44	DRY	419.57	DRY	DRY	DRY	DRY	DRY	DRY
—	308.62	385.49	383.95	382.43	382.48	381.25	384.16	384.15	382.37	382.37	386.14	384.70
—	422.79	410.09	389.42	409.27	381.98	379.72	379.86	DRY	375.67	375.67	404.54	415.95
—	380.62	386.04	383.94	382.43	382.71	381.52	383.99	383.90	382.20	382.20	386.40	384.63
—	440.51	385.77	385.37	383.58	383.73	381.43	385.66	384.06	383.19	383.19	386.86	365.39
—	372.07	372.84	369.67	374.26	374.66	368.91	376.11	377.13	377.53	377.53	379.23	379.94
411.60	417.27	417.43	416.36	416.75	416.66	416.90	416.36	417.02	416.19	416.30	417.13	417.44
421.79	422.41	422.35	421.78	421.91	421.96	421.90	422.29	422.13	422.19	422.19	422.33	422.44
417.69	414.73	418.47	410.35	408.92	DRY	DRY	411.59	DRY	DRY	DRY	DRY	DRY
417.84	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
422.95	420.50	424.10	423.60	423.65	418.20	432.62	423.50	DRY	423.82	417.14	423.96	423.96

CHESTER
ENVIRONMENTAL

TABLE 3
WATER QUALITY CRITERIA (mg/L)
PHILIPS DISPLAY COMPONENTS COMPANY
SENECA FALLS, N.Y.

	NEW YORK STATE*	FEDERAL MCLs**
Cadmium	0.01 mg/L	0.005 mg/L
Calcium	—	—
Chloride	250 mg/L	—
Chromium	0.050 mg/L	0.100 mg/L
Fluoride	1.50 mg/L	1.00 mg/L
Lead	0.025 mg/L	0.015 mg/L***
Manganese	0.300 mg/L	—
Magnesium	—	—
Nickel	— 10 mg/L	0.100 mg/L
Sodium	20 mg/L	—
Sulfate	250 mg/L	400.50 mg/L
Zinc	0.300 mg/L	

* Water Quality Regulation's for Surface Water and Groundwater

** Maximum Concentration Limit

*** Action Level

TABLE 4
STATISTICAL ANALYSIS OUTLIER TEST
PHILIPS DISPLAY COMPONENTS COMPANY
SENECA FALLS, N.Y.

COMPONENT	WELL	DATE OF SAMPLE	$\bar{X}_n$ (mg/L)	$X^{(1)}$ (mg/L)	S	T_n	T5%(2)	OUTLIER
Cadmium	MW-16	11/5/89	0.050	0.008	0.016	2.630	2.110	Yes
Chromium	MW-12	10/30/91	0.084	0.020	0.023	2.800	2.230	Yes
Fluoride	MW-1	10/23/90	3.290	0.317	0.860	3.300	2.330	Yes
Manganese	MW-13	1/16/91	0.317	0.235	0.053	1.200	2.230	No
Nickel	MW-12	10/30/91	0.145	0.036	0.043	2.550	0.182	Yes
Zinc	MW-12	10/30/91	0.422	0.135	0.120	2.380	2.230	Yes

(1) Means are calculated using half-detection limits for those values that are below detection limits.

(2) T5% is the critical test statistic that corresponds to the upper 5% significance level.

TABLE 5

CADMIUM CONCENTRATIONS (mg/L)

PHILIPS DISPLAY COMPONENTS COMPANY
SENECA FALLS, N.Y.

DATE	MW-1	MW-8	MW-12	MW-13	MW-16
10/5/89	<0.005	N/A	<0.005	<0.005	0.050
1/18/90	<0.005	N/A	<0.005	<0.005	<0.005
4/19/90	<0.005	N/A	<0.005	<0.005	<0.005
10/23/90	<0.005	N/A	<0.000	<0.005	<0.005
11/29/90	<0.005	<0.005	<0.005	<0.005	<0.005
1/16/91	<0.005	<0.005	<0.005	<0.005	N/A
4/9/91	<0.005	<0.005	<0.005	<0.005	<0.015
8/1/91	<0.005	<0.005	<0.005	<0.005	N/A
10/30/91	<0.005	<0.005	<0.005	<0.005	N/A
2/5/92	<0.005	<0.005	N/A	<0.005	N/A
5/12/92	<0.005	<0.005	<0.025	<0.005	N/A
8/7/92	<0.005	<0.005	<0.025	<0.005	N/A
11/6/92	<0.005	<0.005	<0.025	<0.005	N/A

NA - Not Analyzed

.01 dl

OK
deleted
See p. 4-5

TABLE 6

CALCIUM CONCENTRATIONS (mg/L)

PHILIPS DISPLAY COMPONENTS COMPANY
SENECA FALLS, N.Y.

DATE	MW-1	MW-8	MW-12	MW-13	MW-16
10/5/89	142	N/A	1080	980	90
1/18/90	156	N/A	N/A	578	680
4/19/90	N/A	N/A	N/A	N/A	N/A
10/23/90	131	509	682	624	139
11/29/90	N/A	N/A	N/A	N/A	N/A
1/16/91	137	535	790	634	N/A
4/9/91	131	535	562	610	98
8/1/91	140	558	570	582	N/A
10/30/91	116	557	1300	570	N/A
2/5/92	143	467	N/A	607	N/A
5/12/92	136	535	1120	604	N/A
8/7/92	149	563	1160	637	N/A
11/6/92	645	575	623	154	N/A

NA - Not Analyzed

TABLE 7

CHLORIDE CONCENTRATIONS (mg/L)

PHILIPS DISPLAY COMPONENTS COMPANY
SENECA FALLS, N.Y.

DATE	MW-1	MW-8	MW-12	MW-13	MW-16
10/5/89	16.0	N/A	207	12.0	7.00
1/18/90	12.2	N/A	836	8.17	3.06
4/19/90	11.2	N/A	894	9.19	3.06
10/23/90	10.2	N/A	2968	11.5	2.10
11/29/90	10.0	446	974	12.4	4.51
1/16/91	10.3	363	982	10.6	N/A
4/9/91	12.1	881	1020	15.8	N/A
8/1/91	9.5	1330	1020	14.8	N/A
10/30/91	9.9	772	1120	15.9	N/A
2/5/92	15.4	632	N/A	22.2	N/A
5/12/92	16.4	333	324	40.6	N/A
8/7/92	42.7	256	323	78.9	N/A
11/6/92	9.12	1360	993	19.3	N/A

NA - Not Analyzed



TABLE 8

CHROMIUM CONCENTRATIONS (mg/L)

PHILIPS DISPLAY COMPONENTS COMPANY
SENECA FALLS, N.Y.

DATE	MW-1	MW-8	MW-12	MW-13	MW-16
10/5/89	<0.01	N/A	<0.01	<0.01	<0.01
1/18/90	<0.01	<0.010	N/A	<0.01	<0.01
4/19/90	<0.01	N/A	<0.01	<0.01	<0.01
10/23/90	<0.01	N/A	<0.01	<0.01	<0.01
11/29/90	<0.01	<0.01	<0.01	<0.01	0.0221
1/16/91	<0.01	<0.01	0.0257	<0.01	N/A
4/9/91	<0.01	<0.01	<0.01	<0.01	<0.01
8/1/91	<0.01	<0.01	<0.01	<0.01	N/A
10/30/91	<0.01	<0.01	0.0849	<0.01	N/A
2/5/92	<0.01	<0.01	N/A	<0.01	N/A
5/12/92	<0.01	<0.01	<0.05	<0.01	N/A
8/7/92	<0.01	<0.01	<0.05	<0.01	N/A
11/6/92	0.0207	<0.01	<0.05	0.0128	N/A

NA - Not Analyzed

TABLE 9

FLUORIDE CONCENTRATIONS (mg/L)

PHILIPS DISPLAY COMPONENTS COMPANY
SENECA FALLS, N.Y.

DATE	MW-1	MW-8	MW-12	MW-13	MW-16
10/5/89	0.48	N/A	1.00	1.50	0.40
1/18/90	0.215	N/A	0.32	0.495	0.106
4/19/90	0.187	N/A	0.448	0.700	0.163
10/23/90	3.290	N/A	0.496	0.728	0.212
11/29/90	0.213	1.10	0.459	0.746	0.208
1/16/91	<0.100	0.976	0.425	0.715	N/A
4/9/91	0.227	1.11	0.491	0.776	0.212
8/1/91	0.233	1.17	0.455	0.738	N/A
10/30/91	0.238	1.13	0.443	0.772	N/A
2/5/92	0.216	1.08	N/A	<0.01	N/A
5/12/92	0.263	1.18	0.594	0.816	N/A
8/7/92	0.107	0.544	0.260	0.326	N/A
11/6/92	0.242	1.06	0.526	0.779	N/A

NA - Not Analyzed

TABLE 10

LEAD CONCENTRATIONS (mg/L)

PHILIPS DISPLAY COMPONENTS COMPANY
SENECA FALLS, N.Y.

DATE	MW-1	MW-8	MW-12	MW-13	MW-16
10/5/89	N/A	N/A	N/A	N/A	N/A
1/18/90	0.0119	N/A	0.0064	0.0145	0.0126
4/19/90	<0.005	N/A	0.0177	0.0058	<0.005
10/23/90	<0.005	N/A	0.0064	<0.005	<0.005
11/29/90	<0.003	<0.003	0.0334	0.0057	0.016
1/16/91	0.0043	<0.003	0.0548	0.004	N/A
4/9/91	<0.003	0.0053	0.011	0.0111	<0.0115
8/1/91	0.0038	<0.003	<0.003	<0.003	N/A
10/30/91	<0.003	<0.003	0.0954	<0.003	N/A
2/5/92	0.0066	0.0051	N/A	0.0055	N/A
5/12/92	0.0034	<0.003	0.0093	<0.003	N/A
8/7/92	0.0049	0.0046	0.038	0.0062	N/A
11/6/92	0.0047	<0.003	0.0226	0.0063	N/A

NA - Not Analyzed

TABLE 11

MAGNESIUM CONCENTRATIONS (mg/L)

PHILIPS DISPLAY COMPONENTS COMPANY
SENECA FALLS, N.Y.

DATE	MW-1	MW-8	MW-12	MW-13	MW-16
10/5/89	86	N/A	160	100	43
1/18/90	84.8	N/A	160	136	130
4/19/90	77.7	N/A	183	110	42.4
10/23/90	81.4	N/A	172	99.4	43.2
11/29/90	84.1	118	210	111	44.9
1/16/91	85.5	119	237	111	N/A
4/9/91	82.5	119	161	100	37.9
8/1/91	80.7	148	164	97.9	N/A
10/30/91	71.3	124	373	92.8	N/A
2/5/92	74.7	103	N/A	91.5	N/A
5/12/92	69.4	118	209	99.2	N/A
8/7/92	61.7	125	277	109	N/A
11/6/92	115	145	190	72.6	N/A

N/A - Not Analyzed

V - Insufficient volume groundwater for samples.

GA
35- ppm

TABLE 12
MANGANESE CONCENTRATIONS (mg/L)
PHILIPS DISPLAY COMPONENTS COMPANY
SENECA FALLS, N.Y.

DATE	MW-1	MW-8	MW-12	MW-13	MW-16
10/5/89	N/A	N/A	N/A	N/A	N/A
1/18/90	0.0427	0.107	N/A	0.177	0.519
4/19/90	0.0485	N/A	0.648	0.272	<0.015
10/23/90	0.0527	N/A	0.451	0.152	<0.015
11/29/90	<0.015	0.032	1.03	0.280	0.0663
1/16/91	<0.015	0.055	1.48	0.317	<0.015
4/9/91	<0.015	0.119	0.278	0.278	<0.015
8/1/91	0.0508	0.292	0.187	0.230	N/A
10/30/91	0.0259	0.263	4.11	0.165	<0.015
2/5/92	0.0185	0.252	N/A	0.220	N/A
5/12/92	0.0183	0.110	2.82	0.239	N/A
8/7/92	0.115	0.152	3.06	0.251	N/A
11/6/92	0.361	0.463	1.23	0.187	N/A

NA - Not Analyzed

GA
0.300 mg/L

TABLE 13

NICKEL CONCENTRATIONS (mg/L)

PHILIPS DISPLAY COMPONENTS COMPANY
SENECA FALLS, N.Y.

DATE	MW-1	MW-8	MW-12	MW-13	MW-16
10/5/89	0.01	N/A	<0.01	0.01	<0.01
1/18/90	<0.04	N/A	<0.04	<0.04	<0.04
4/19/90	<0.04	N/A	<0.04	<0.04	<0.04
10/23/90	<0.04	N/A	<0.04	<0.04	<0.04
11/29/90	<0.04	<0.04	<0.04	<0.04	<0.04
1/16/91	<0.04	<0.04	0.0518	<0.04	N/A
4/9/91	<0.04	<0.04	<0.04	<0.04	<0.04
8/1/91	<0.04	<0.04	<0.04	0.0636	N/A
10/30/91	<0.04	<0.04	0.145	<0.04	N/A
2/5/92	<0.04	<0.04	N/A	<0.04	N/A
5/12/92	<0.04	<0.04	<0.20	<0.04	N/A
8/7/92	<0.04	<0.04	<0.20	<0.04	N/A
11/6/92	<0.04	<0.04	<0.20	<0.04	N/A

NA - Not Analyzed

Q1
0.100 mg/l

TABLE 14

SODIUM CONCENTRATIONS (mg/L)

PHILIPS DISPLAY COMPONENTS COMPANY
SENECA FALLS, N.Y.

DATE	MW-1	MW-8	MW-12	MW-13	MW-16
10/5/89	5	N/A	1,000	95	8
1/18/90	11.7	N/A	663	48	6.55
4/19/90	10.7	N/A	719	47	5.4
10/23/90	27.5	N/A	702	37.9	5.4
11/29/90	13.6	316	743	42.6	6.86
1/16/91	12.9	320	673	35.1	N/A
4/9/91	12.2	591	652	38.1	<5
8/1/91	19	846	686	38.7	N/A
10/30/91	12.8	499	668	32.1	N/A
2/5/92	25.1	329	N/A	42.3	N/A
5/12/92	22.5	260	740	38.3	N/A
8/7/92	27.1	311	705	41.6	N/A
11/6/92	37.7	1370	517	23.1	N/A

NA - Not Analyzed

Gr
20 mg/l

TABLE 15

SULFATE CONCENTRATIONS (mg/L)

PHILIPS DISPLAY COMPONENTS COMPANY
SENECA FALLS, N.Y.

DATE	MW-1	MW-8	MW-12	MW-13	MW-16
10/5/89	134	N/A	2370	1780	131
1/18/90	140	N/A	1940	1510	89.6
4/19/90	128	N/A	2050	1850	70.0
10/23/90	155	N/A	2150	1580	62.2
11/29/90	130	2120	2160	1660	59.6
1/16/91	142	2050	2260	1640	N/A
4/9/91	141	2020	2260	1720	63.5
8/1/91	158	2320	2120	1600	N/A
10/30/91	139	1980	2220	1740	N/A
2/5/92	179	2010	N/A	1600	N/A
5/12/92	950	730	740	870	N/A
8/7/92	146	2350	2400	2100	N/A
11/6/92	140	2220	202	1600	N/A

NA - Not Analyzed

CA
250 mg/l

TABLE 16

ZINC CONCENTRATIONS (mg/L)

PHILIPS DISPLAY COMPONENTS COMPANY
SENECA FALLS, N.Y.

DATE	MW-1	MW-8	MW-12	MW-13	MW-16
10/5/89	<0.01	N/A	0.01	<0.01	<0.01
1/18/90	<0.02	N/A	0.109	0.0514	0.0285
4/19/90	0.0315	N/A	0.0853	0.0401	0.021
10/23/90	0.0223	N/A	0.0517	<0.02	<0.02
11/29/90	0.0824	0.0417	0.139	0.048	0.0336
1/16/91	<0.02	0.0215	0.151	0.0303	N/A
4/9/91	<0.02	<0.02	0.0207	0.0284	0.0271
8/1/91	0.0314	0.0224	0.0281	0.114	N/A
10/30/91	<0.02	0.173	0.422	<0.02	N/A
2/5/92	<0.02	<0.02	N/A	<0.02	N/A
5/12/92	<0.02	<0.02	0.0382	0.026	N/A
8/7/92	<0.02	<0.02	0.257	<0.02	N/A
11/6/92	<0.02	<0.02	0.0382	0.026	N/A

NA - Not Analyzed

N/S - Not Sampled

V - Insufficient volume groundwater for samples.

Ca
2.000 mg/l

TABLE 17

SPECIFIC CONDUCTANCE READINGS (UMHOS/CM)

PHILIPS DISPLAY COMPONENTS COMPANY
SENECA FALLS, N.Y.

DATE	MW-1	MW-8	MW-12	MW-13	MW-16
10/5/89	1,140	N/A	5900	2750	730
1/18/90	780	2,210	3,810	1,900	600
4/19/90	780	2,230	4,080	1,900	520
10/23/90	1020	3,490	4,900	2,200	505
11/29/90	440	1,600	2,010	1,150	330
1/16/91	800	2,800	4,400	1,950	N/A
4/9/91	800	3,800	4,600	2,010	510
8/1/91	1,075	4,000	5,000	2,150	510
10/30/91	870	3,600	4,580	1,900	N/A
2/5/92	820	3,100	N/A	1,800	N/A
5/12/92	800	2,900	4,800	1,750	N/A
8/7/92	950	3,200	4,800	2,100	N/A
11/6/92	880	3,300	4,600	1,750	N/A

N/A - Not Analyzed

TABLE 18

pH MEASUREMENTS (SU)

PHILIPS DISPLAY COMPONENTS COMPANY
SENECA FALLS, N.Y.

DATE	MW-1	MW-8	MW-12	MW-13	MW-16
10/5/89	7.4	N/A	7.2	7.1	7.9
1/18/90	7.1	7.3	7.1	7.1	7.5
4/19/90	6.4	6.9	6.8	6.9	7.2
10/23/90	7.7	7.6	6.8	6.6	7.4
11/29/90	7.2	7.0	6.8	6.6	7.2
1/16/91	7.3	7.7	6.9	7.2	N/A
4/9/91	7.2	7.7	6.8	6.9	7.5
8/1/91	6.7	7.7	6.5	6.7	7.3
10/30/91	7.2	7.1	7.3	7.2	N/A
2/5/92	6.86	7.17	N/A	7.21	N/A
5/12/92	7.12	7.36	7.31	7.32	N/A
8/7/92	7.04	7.42	7.73	7.79	N/A
11/6/92	6.97	7.23	7.31	7.62	N/A

N/A - Not Analyzed

TABLE 19

TOTAL ORGANIC CARBON CONCENTRATION (mg/L)

PHILIPS DISPLAY COMPONENTS COMPANY
SENECA FALLS, N.Y.

DATE	MW-1	MW-8	MW-12	MW-13	MW-16
10/5/89	3.9	N/A	1.5	1.9	15
1/18/90	16.8	N/A	10.3	3.67	52.5
4/19/90	54.8	N/A	44.9	<1.00	7.44
10/23/90	N/A	N/A	N/A	N/A	1.64
11/29/90	3.91	<1.00	51.9	18.8	41.8
1/16/91	145	2.830	10.3	1.81	N/A
4/9/91	41.3	4.87	2.47	14.8	11.9
8/1/91	6.2	<1.00	<1.00	<1.00	N/A
10/30/91	9.91	1.73	2.72	12.8	N/A
2/5/92	82.5	1.55	73.7	36.8	48.7
5/12/92	5.42	<1.00	2.16	3.82	N/A
8/7/92	13.7	2	3.79	2.86	N/A
11/6/92	14.9	1.6	2.95	7.68	N/A

N/A - Not Analyzed

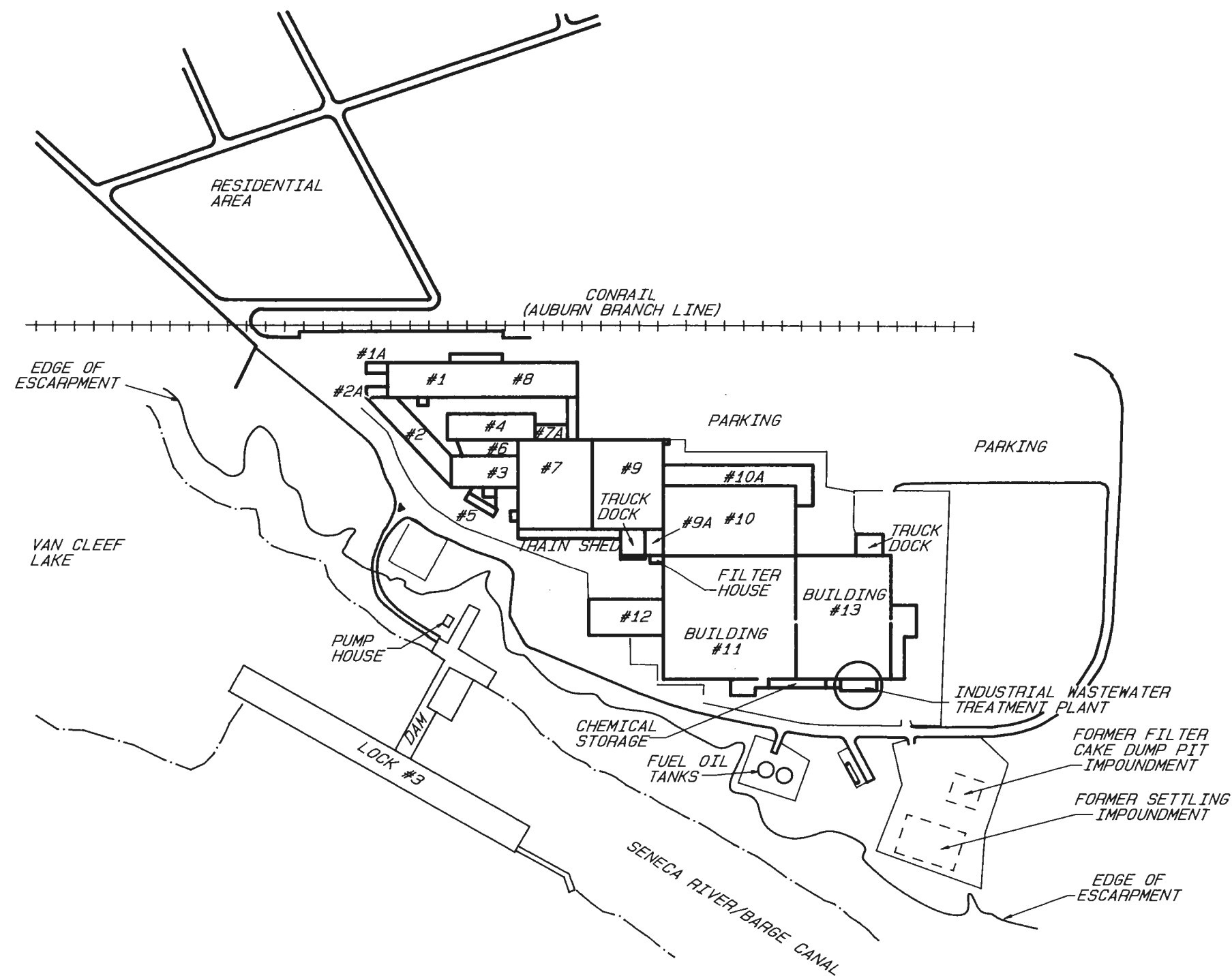
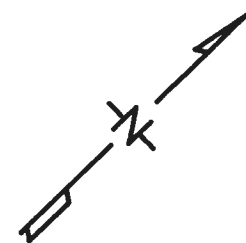
TABLE 20

TOTAL ORGANIC HALOGEN CONCENTRATION (mg/L)

PHILIPS DISPLAY COMPONENTS COMPANY
SENECA FALLS, N.Y.

DATE	MW-1	MW-8	MW-12	MW-13	MW-16
10/5/89	0.103	N/A	0.020	0.007	0.063
1/18/90	0.095	N/A	<0.050	<0.050	<0.050
4/19/90	0.108	N/A	0.050	<0.050	<0.050
10/23/90	<0.050	0.103	0.159	<0.050	<0.050
11/29/90	N/A	N/A	N/A	N/A	<0.050
1/16/91	0.0084	<0.050	<0.050	<0.050	N/A
4/9/91	0.076	<0.050	0.054	<0.050	<0.050
8/1/91	0.064	<0.050	<0.050	<0.050	N/A
10/30/91	0.100	5.13	<0.050	<0.050	N/A
2/5/92	0.068	<0.050	N/A	<0.500	N/A
5/12/92	0.102	<0.050	0.50	<0.500	N/A
8/7/92	<0.05	0.116	0.257	<0.020	N/A
11/6/92	0.060	0.296	0.093	<0.050	N/A

NA - Not Analyzed



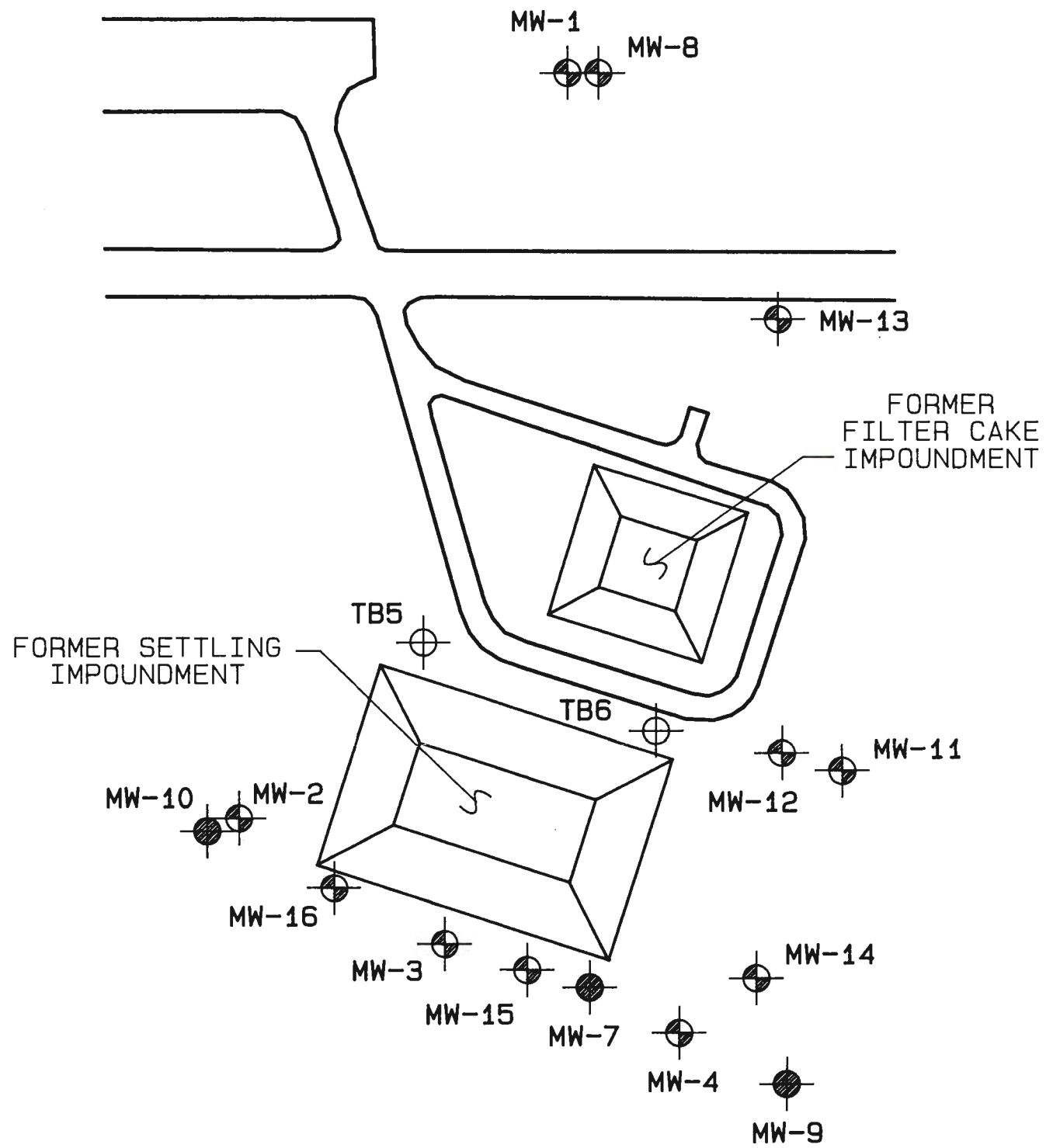
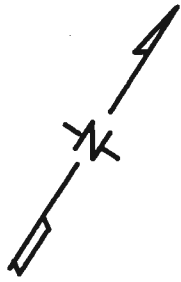
SCALE (FEET)
0 150 300 450



FIGURE 1
SCHEMATIC PLAN VIEW
SENECA FALL FACILITY
PHILIPS DISPLAY COMPONENTS CO.
SENECA FALLS, NEW YORK

3/4/93

A105594



KEY

-  - TILL MONITORING WELL (MW)
-  - OBSERVATION WELLS (TB)
-  - BEDROCK WELLS



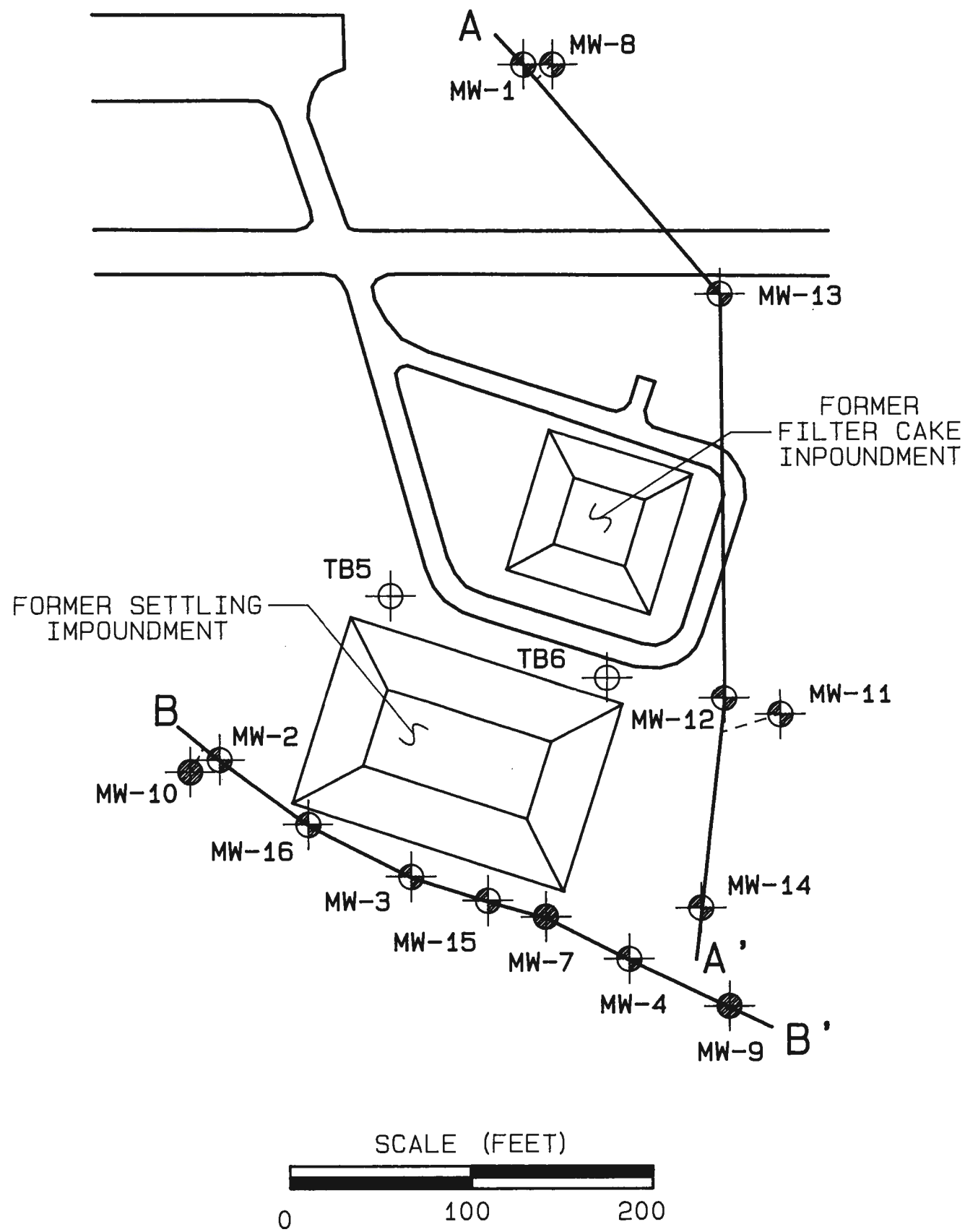
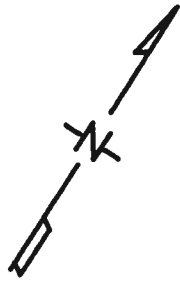
**CHESTER
ENVIRONMENTAL**

FIGURE 2

MONITORING WELL AND SURFACE
IMPOUNDMENT LOCATIONS MAP
PHILIPS DISPLAY COMPONENTS CO.
SENECA FALLS, NEW YORK

3/5/93

C69499



KEY

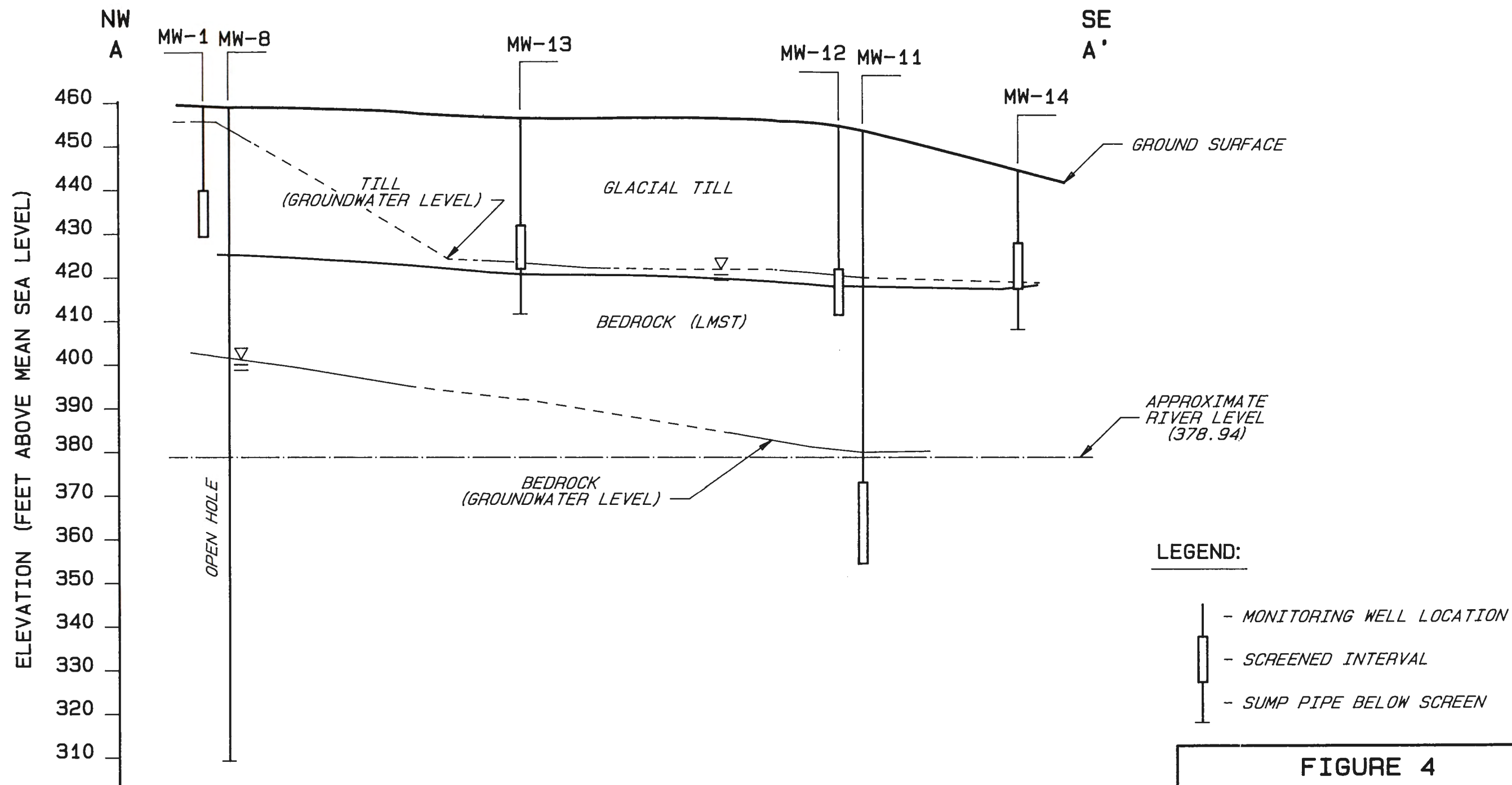
- TILL MONITORING WELL (MW)
- OBSERVATION WELLS (TB)
- BEDROCK WELLS



FIGURE 3
GEOLOGIC CROSS SECTION
LINE MAP
A-A', B-B'
PHILIPS DISPLAY COMPONENTS CO.
SENECA FALLS, NEW YORK

3/5/93

C69498



SCALE (FEET)
0 100 200
VERTICAL EXAGGERATION x3



CHESTER
ENVIRONMENTAL

FIGURE 4

CROSS SECTION A-A'
PHILIPS DISPLAY
COMPONENTS COMPANY
SENECA FALLS, NEW YORK

3/5/93

C69479

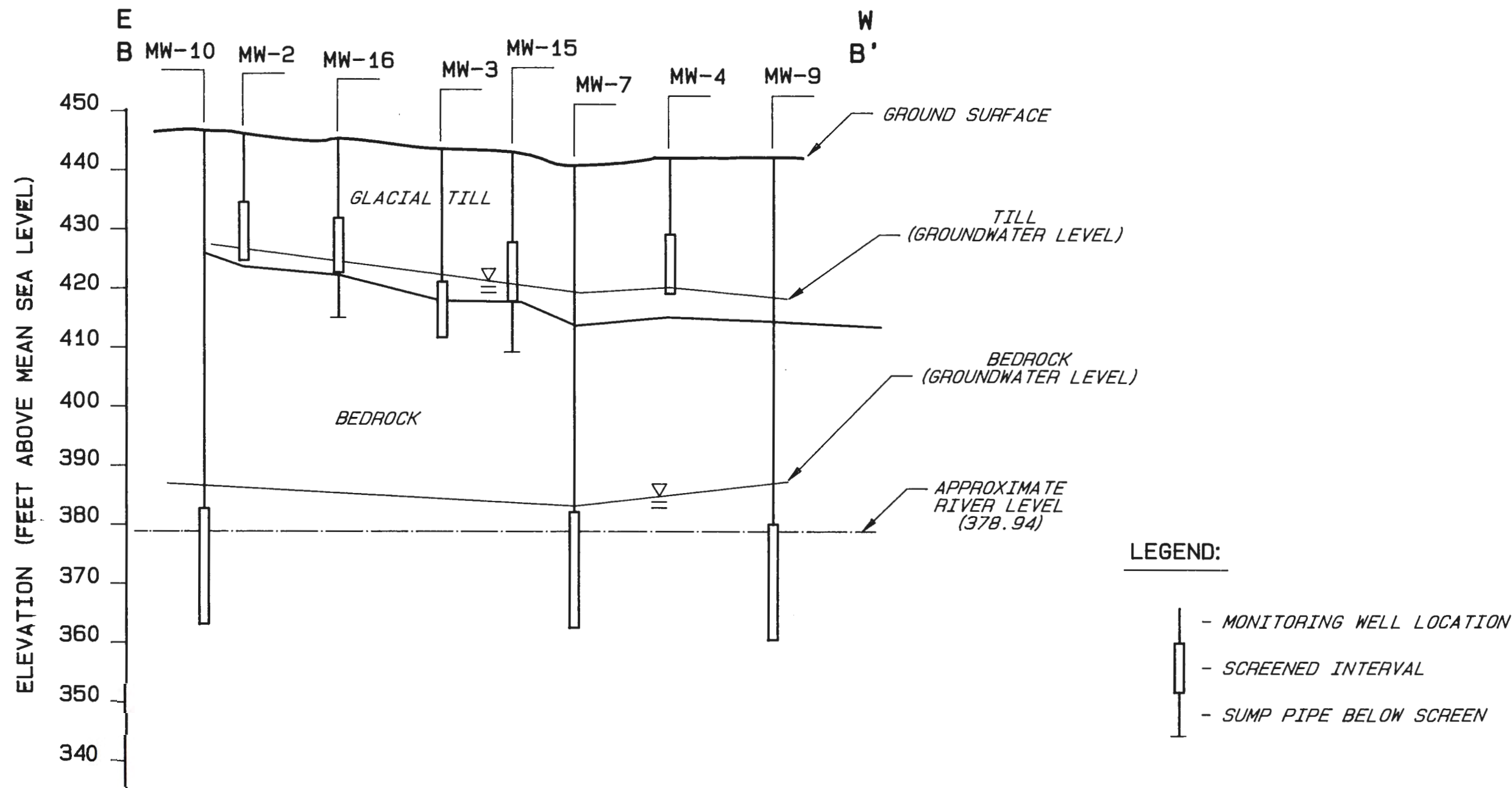


FIGURE 5

CROSS SECTION B-B'
PHILIPS DISPLAY
COMPONENTS COMPANY
SENECA FALLS, NEW YORK



3/5/93

C69480



APPENDIX A

**NYSDEC LETTER
CLOSURE OF SURFACE IMPOUNDMENTS
MAY 12, 1989**

New York State Department of Environmental Conservation
50 Wolf Road, Albany, New York 12235

CC. AFS
R. Feather
W. Z. Abban



Thomas C. Jorling
Commissioner

MAY 12 1989

Mr. Edward E. Chase
Manager, Facilities Engineering
Philips Display Components
50 Johnston Street
Seneca Falls, NY 13148

Re: Closure of Surface Impoundments

The New York State Department of Environmental Conservation has completed its Q3/Q4 review of the split soil sampling from the surface impoundments.

The review indicates that there are no contaminants harmful to human health or the environment left in the surface impoundment or down-gradient well areas. Philips may fill in and grade the impoundments in accordance with the approved closure plan.

If you have any questions, please contact Ms. Luanne F. Whitbeck at (518) 457-9255.

Sincerely,

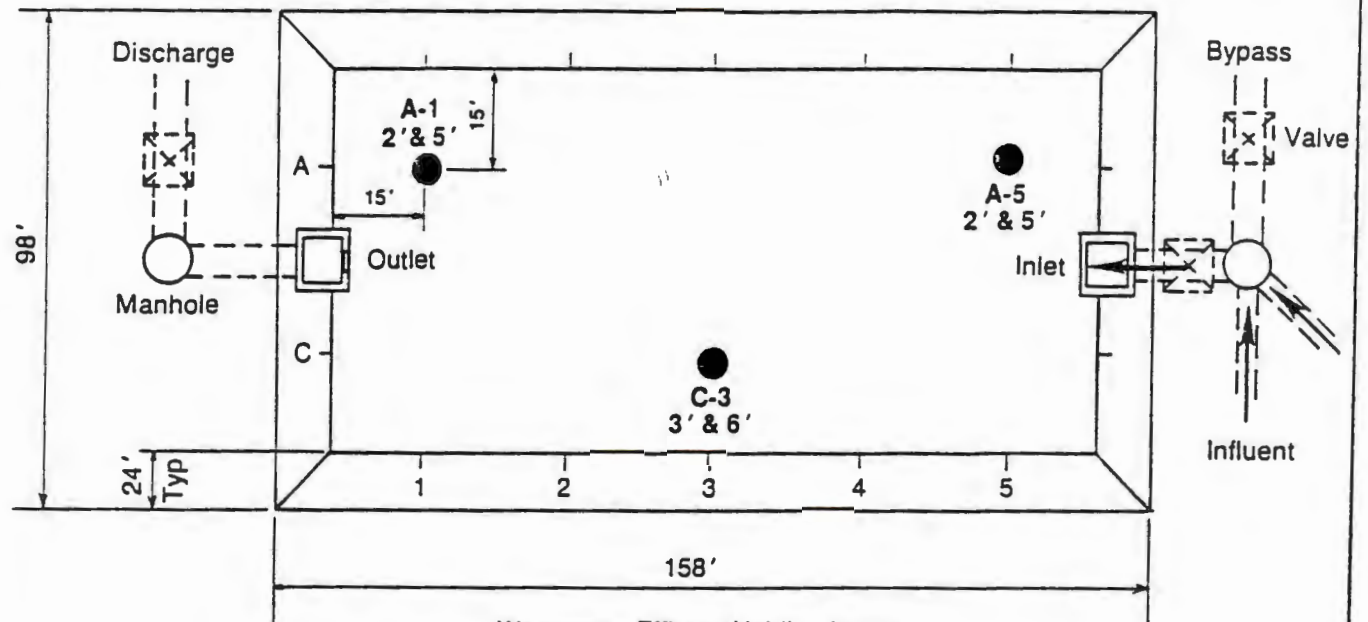
Paul R. Cougherman, P.E.
Director

Bureau of Hazardous Waste Facility Permitting
Division of Hazardous Substances Regulation

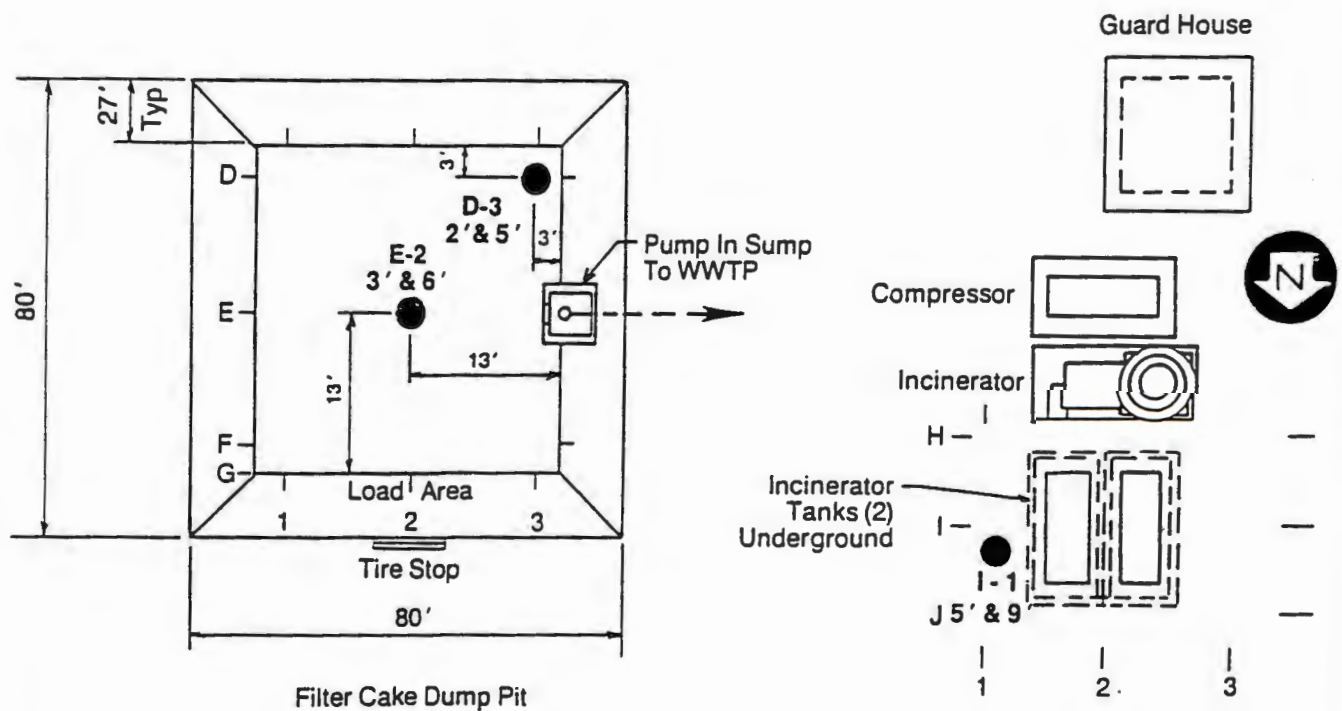
cc: L. Whitbeck
L. Stephenson
M. Sosnow, Region 8

APPENDIX B

**IMPOUNDMENT CLOSURE
SOIL BORING LOCATIONS
SOIL ANALYTICAL RESULTS**



Wastewater Effluent Holding Lagoon
SPDES Discharge Permit NY0001228



The **Chester** Engineers

SHEET NO.

DWG. NO.

DWN.BY: JS

SCALE: NTS

DATE

CHK'D.BY: JP

APPR.BY:

January 1989

Figure 3

Philips Display Components Corporation
Seneca Falls, New York
Soil Sampling Locations

TABLE 1
RCRA CLOSURE SOIL SAMPLING - APPENDIX IX ANALYSES
ANALYTICAL VALUES ABOVE DETECTION LIMITS

PHILIPS DISPLAY COMPONENTS CORPORATION SENECA FALLS, NEW YORK														
ANALYTICAL PARAMETER	TB-1	TB-2	A-1 2-2.5	A-1 4-6	A-5 2-2.5	A-5 5-5.5	C-3 2.5-3	C-3 5.5-6	D-3 2-2.5	D-3 4.5-5	E-2 3-3.5	E-2 5.5-6	I-1 1-1.5	I-1 4.5-5
Tot. Cyanide (mg/kg)	<0.04	0.41	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Barium (mg/kg)	41	18	37	31	43	45	35	48	26	29	33	57	67	88
Cadmium (mg/kg)	0.38	0.28	0.16	0.30	0.39	0.40	1.90	2.40	0.29	0.33	0.34	0.33	0.59	0.50
Tot. Cr (mg/kg)	6.8	9.3	6.4	12.0	6.4	11.0	7.0	8.1	4.8	5.6	5.7	4.8	5.7	6.2
Cobalt (mg/kg)	3.6	4.2	3.8	4.1	4.5	4.9	2.7	3.8	3.2	3.2	3.9	4.2	5.8	7.0
Copper (mg/kg)	9.1	7.8	9.8	15	10	11	10	12	13	11	11	10	11	9.7
Lead (mg/kg)	4.4	2.7	4.5	4.8	4.9	4.4	7.9	8.8	3.2	3.6	4.3	4.1	4.9	5.3
Mercury (mg/kg)	0.03	0.09	0.03	0.02	0.04	0.03	0.05	0.07	0.05	0.04	0.05	0.02	0.02	0.02
Nickel (mg/kg)	8.0	11	8.2	9.0	8.7	9.0	7.7	8.2	6.2	7.4	7.3	7.2	8.6	8.6
Tin (mg/kg)	<0.5	0.75	<0.5	0.55	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0
Vanadium (mg/kg)	8.3	7.5	7.3	8.1	7.6	8.3	5.5	7.7	5.9	6.6	6.6	5.6	10	10
Zinc (mg/kg)	24	25	21	26	26	25	55	64	22	24	23	20	26	25
Benzene (mg/kg)	0.880	<0.010	<0.010	<0.010	<0.010	<0.010	0.100	0.140	<0.010	0.042	0.240	<0.010	<0.010	<0.010
Ethylbenzene (mg/kg)	0.016	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Methylene Chloride (mg/kg)	0.400	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Toluene (mg/kg)	0.070	0.032	0.170	0.460	0.136	0.120	0.100	0.124	0.062	0.024	0.048	0.046	0.088	1.140
Trichloroethylene (mg/kg)	0.038	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.406	0.154	0.120	0.280	<0.010	<0.010
Acetone (mg/kg)	0.160	0.120	<0.010	0.380	0.150	0.160	0.145	0.180	0.500	<0.010	0.180	<0.010	0.460	<0.010
Methyl Ethyl Ketone (mg/kg)	0.440	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Styrene (mg/kg)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.035	0.048	<0.010	<0.010	0.086	<0.010	0.018	0.022
Vinyl Acetate (mg/kg)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.040
Xylenes (mg/kg)	0.180	0.014	0.014	<0.010	<0.010	0.022	0.025	0.040	0.022	0.020	0.066	<0.010	<0.010	0.014
bis (2-ethylhexyl) phthalate (mg/kg)	1.089	1.982	<0.100	<0.100	0.752	0.441	0.250	0.397	<0.100	1.235	0.680	1.852	0.843	1.170
Methyl Isobutyl Ketone (mg/kg)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.100	<0.010	<0.010	<0.010	0.014	<0.010	<0.010	<0.010



APPENDIX C

**GROUNDWATER ANALYTICAL RESULTS
PRE-CLOSURE MONITORING**

SAMPLING ROUND SUMMARY (SRS) 03/23/92

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 83 ROUND NO. 01 PURPOSE: QUARTERLY

CLIENT : Philips DCC

FACILITY : SENECA FALLS

SITE : HAZARDOUS WASTE MANAGEMENT

LOCATION : SENECA FALLS, N.Y.

POINTS : < ALL >

PARAMETER	UNIT	<-----SAMPLING POINT----->			
		MW-1	MW-3	MW-4	MW-6
		UPGRADIENT	DOWNGRADIENT	DOWNGRADIENT	DOWNGRADIENT
		WELL	WELL	WELL	WELL
		03/28/83	03/28/83	03/28/83	03/28/83
		1471	1472	1473	1474
ARSENIC	MG/L	<0.001	<0.001	0.0014	<0.001
BARIUM	MG/L	0.3	0.2	0.6	1.0
CADMIUM	MG/L	<0.005	<0.005	<0.005	<0.005
CHROMIUM	MG/L	0.012	0.012	0.015	0.012
FLUORIDE	MG/L	0.25	0.29	0.30	1.3
LEAD	MG/L	<0.005	<0.005	<0.005	<0.005
MERCURY	MG/L	<0.001	<0.001	<0.001	<0.001
NITRATE	MG/L	0.112	0.065	0.033	0.036
SELENIUM	MG/L	<0.001	<0.001	<0.001	<0.001
SILVER	MG/L	<0.01	<0.01	<0.01	0.01
TOTAL COLIFORM	COL/100ML	<1	N/A	<1	<1
CHLORIDE	MG/L	10	13	24	30
IRON	MG/L	0.24	0.02	3.9	3.2
MANGANESE	MG/L	0.27	<0.01	0.95	1.8
PHENOL	MG/L	0.005	0.005	0.009	0.022
SODIUM	MG/L	19	12	15	48
SULFATE	MG/L	91	115	56	1064
PH	SU	7.7	8.0	8.0	8.0
PH	SU	7.6	N/A	N/A	N/A
PH	SU	7.6	N/A	N/A	N/A
PH	SU	7.7	N/A	N/A	N/A
SPECIFIC CONDUCTANCE	UMHOS/CM	990	840	750	2600
SPECIFIC CONDUCTANCE	UMHOS/CM	995	N/A	N/A	N/A
SPECIFIC CONDUCTANCE	UMHOS/CM	985	N/A	N/A	N/A
SPECIFIC CONDUCTANCE	UMHOS/CM	990	N/A	N/A	N/A
TOTAL ORGANIC CARBON	MG/L	30	17	16	19
TOTAL ORGANIC CARBON	MG/L	31	N/A	N/A	N/A
TOTAL ORGANIC CARBON	MG/L	32	N/A	N/A	N/A
TOTAL ORGANIC CARBON	MG/L	29	N/A	N/A	N/A
TOTAL ORGANIC HALOGEN	MG/L	0.056	0.051	0.039	0.097
TOTAL ORGANIC HALOGEN	MG/L	0.059	N/A	N/A	N/A
TOTAL ORGANIC HALOGEN	MG/L	0.059	N/A	N/A	N/A
TOTAL ORGANIC HALOGEN	MG/L	0.056	N/A	N/A	N/A
GROUND WATER ELEVATION	FT MSL	455.63	420.70	419.86	423.02
CALCIUM HARDNESS	MG/L	N/A	N/A	N/A	1340
NITRATES AND NITRITES	MG/L	0.124	0.076	0.049	0.056
NITRITE	MG/L	0.012	0.011	0.016	0.020
ZINC	MG/L	0.019	0.005	0.055	0.042

SAMPLING ROUND SUMMARY (SRS) 03/23/92

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
 FOR YEAR 83 ROUND NO. 02 PURPOSE: QUARTERLY

CLIENT : Philips DCC

FACILITY : SENECA FALLS

SITE : HAZARDOUS WASTE MANAGEMENT

LOCATION : SENECA FALLS, N.Y.

POINTS : < ALL >

PARAMETER	UNIT	<-----SAMPLING POINT----->	
		MW-1 UPGRADIENT WELL 06/16/83 2998	MW-3 DOWNGRADIENT WELL 06/16/83 2999
ARSENIC	MG/L	<0.0005	0.0018
BARIUM	MG/L	0.2	0.6
CADMIUM	MG/L	<0.005	0.006
CHROMIUM	MG/L	<0.005	0.046
FLUORIDE	MG/L	0.31	2.56
LEAD	MG/L	<0.005	0.11
MERCURY	MG/L	<0.001	<0.001
NITRATE	MG/L	0.18	N/A
SELENIUM	MG/L	0.0030	<0.001
SILVER	MG/L	<0.01	0.02
GROSS ALPHA	PCI/L	1.0	N/A
GROSS BETA	PCI/L	0	N/A
RADIUM 226	PCI/L	0.1	N/A
TOTAL COLIFORM	COL/100ML	<1	<1
CHLORIDE	MG/L	67	N/A
IRON	MG/L	0.22	13.6
MANGANESE	MG/L	0.15	2.5
PHENOL	MG/L	<0.004	N/A
SODIUM	MG/L	32	14
SULFATE	MG/L	109	N/A
PH	SU	7.1	N/A
PH	SU	7.0	N/A
PH	SU	7.0	N/A
PH	SU	7.1	N/A
SPECIFIC CONDUCTANCE	UMHOS/CM	1000	N/A
SPECIFIC CONDUCTANCE	UMHOS/CM	1000	N/A
SPECIFIC CONDUCTANCE	UMHOS/CM	1010	N/A
SPECIFIC CONDUCTANCE	UMHOS/CM	1020	N/A
TOTAL ORGANIC CARBON	MG/L	44	N/A
TOTAL ORGANIC CARBON	MG/L	46	N/A
TOTAL ORGANIC CARBON	MG/L	42	N/A
TOTAL ORGANIC CARBON	MG/L	44	N/A
TOTAL ORGANIC HALOGEN	MG/L	0.041	N/A
TOTAL ORGANIC HALOGEN	MG/L	0.043	N/A
TOTAL ORGANIC HALOGEN	MG/L	0.035	N/A
TOTAL ORGANIC HALOGEN	MG/L	0.039	N/A
GROUND WATER ELEVATION	FT MSL	454.13	420.34
NITRATES AND NITRITES	MG/L	0.18	N/A
NITRITE	MG/L	<0.004	N/A
ZINC	MG/L	0.024	0.24

SAMPLING ROUND SUMMARY (SRS) 03/23/92

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 83 ROUND NO. 03 PURPOSE: QUARTERLY

CLIENT : Philips DCC

FACILITY : SENECA FALLS

SITE : HAZARDOUS WASTE MANAGEMENT

LOCATION : SENECA FALLS, N.Y.

POINTS : < ALL >

PARAMETER	UNIT	<-----SAMPLING POINT----->	
		MW-1 UPGRADIENT WELL 09/14/83 4677	MW-7 DOWNGRADIENT BEDROCK 09/29/83 5042
ARSENIC	MG/L	<0.001	<0.001
BARIUM	MG/L	0.14	0.12
CADMIUM	MG/L	<0.005	<0.005
CHROMIUM	MG/L	<0.005	0.010
FLUORIDE	MG/L	0.81	1.4
LEAD	MG/L	<0.002	0.026
MERCURY	MG/L	<0.0005	<0.001
NITRATE	MG/L	0.018	0.037
SELENIUM	MG/L	<0.001	0.002
SILVER	MG/L	<0.01	<0.01
ENDRIN	MG/L	<0.00001	<0.00001
G-BHC(LINDANE)	MG/L	<0.00001	<0.00001
METHOXYCHLOR	MG/L	<0.0001	<0.0001
TOXAPHENE	MG/L	<0.0005	<0.0005
2,4-DICHLOROPHENOXYACETIC ACID	MG/L	<0.001	<0.001
2,4,5-TP SILVEX	MG/L	<0.001	<0.001
GROSS ALPHA	PCI/L	2.1	0
GROSS BETA	PCI/L	0	0
RADIUM 226	PCI/L	0.08	0.5
TURBIDITY	NTU	10	40
TOTAL COLIFORM	COL/100ML	<1	10
CHLORIDE	MG/L	15	136
IRON	MG/L	0.57	0.44
MANGANESE	MG/L	0.34	0.040
PHENOL	MG/L	<0.004	<0.004
SODIUM	MG/L	20	90
SULFATE	MG/L	103	1292
PH	SU	7.3	7.5
PH	SU	7.3	N/A
PH	SU	7.2	N/A
PH	SU	7.3	N/A
SPECIFIC CONDUCTANCE	UMHOS/CM	965	1850
SPECIFIC CONDUCTANCE	UMHOS/CM	955	N/A
SPECIFIC CONDUCTANCE	UMHOS/CM	970	N/A
SPECIFIC CONDUCTANCE	UMHOS/CM	965	N/A
TOTAL ORGANIC CARBON	MG/L	65	5
TOTAL ORGANIC CARBON	MG/L	58	N/A
TOTAL ORGANIC CARBON	MG/L	63	N/A
TOTAL ORGANIC CARBON	MG/L	56	N/A
TOTAL ORGANIC HALOGEN	MG/L	0.041	0.076
TOTAL ORGANIC HALOGEN	MG/L	0.048	N/A
TOTAL ORGANIC HALOGEN	MG/L	0.045	N/A
TOTAL ORGANIC HALOGEN	MG/L	0.043	N/A

SAMPLING ROUND SUMMARY (SRS) 03/23/92

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 83 ROUND NO. 03 PURPOSE: QUARTERLY

CLIENT : Philips DCC

FACILITY : SENECA FALLS

SITE : HAZARDOUS WASTE MANAGEMENT

LOCATION : SENECA FALLS, N.Y.

POINTS : < ALL >

PARAMETER	UNIT	MW-1 UPGRADIENT WELL 09/14/83 4677	MW-7 DOWNGRADIENT BEDROCK 09/29/83 5042
GROUND WATER ELEVATION	FT MSL	451.97	385.00
NITRATES AND NITRITES	MG/L	0.028	0.042
NITRITE	MG/L	0.010	0.005
TOTAL HARDNESS	MG/L	N/A	1110

SAMPLING ROUND SUMMARY (SRS) 03/23/92

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 83 ROUND NO. 04 PURPOSE: QUARTERLY

CLIENT : Philips DCC

FACILITY : SENECA FALLS

SITE : HAZARDOUS WASTE MANAGEMENT

LOCATION : SENECA FALLS, N.Y.

POINTS : < ALL >

PARAMETER	UNIT	<-----SAMPLING POINT----->	
		MW-1	MW-7
		UPGRADIENT	DOWNGRADIENT
		WELL	BEDROCK
		12/14/83	12/14/83
		6731	6732
ARSENIC	MG/L	<0.0005	<0.0007
BARIUM	MG/L	0.10	0.03
CADMIUM	MG/L	0.003	0.010
CHROMIUM	MG/L	<0.005	0.007
FLUORIDE	MG/L	0.23	0.33
LEAD	MG/L	0.017	0.070
MERCURY	MG/L	0.0012	<0.0005
NITRATE	MG/L	0.157	0.129
SELENIUM	MG/L	<0.0005	<0.0005
SILVER	MG/L	0.003	0.017
ENDRIN	MG/L	<0.00001	<0.00001
G-BHC(LINDANE)	MG/L	<0.00001	<0.00001
METHOXYCHLOR	MG/L	<0.0001	<0.0001
TOXAPHENE	MG/L	<0.0005	<0.0005
2,4-DICHLOROPHENOXYACETIC ACID	MG/L	<0.001	<0.001
2,4,5-TP SILVEX	MG/L	<0.001	<0.001
GROSS ALPHA	PCI/L	3.1	<1
GROSS BETA	PCI/L	1	5
RADIUM 226	PCI/L	0.3	0.3
TURBIDITY	NTU	0.25	0.20
TOTAL COLIFORM	COL/100ML	<1	<1
CHLORIDE	MG/L	15	154
IRON	MG/L	0.19	0.11
MANGANESE	MG/L	0.16	0.07
PHENOL	MG/L	<0.004	<0.004
SODIUM	MG/L	18	91
SULFATE	MG/L	83	1213
PH	SU	7.5	7.8
SPECIFIC CONDUCTANCE	UMHOS/CM	1225	2050
TOTAL ORGANIC CARBON	MG/L	26	1
TOTAL ORGANIC HALOGEN	MG/L	0.038	0.09
GROUND WATER ELEVATION	FT MSL	456.89	382.37
NITRATES AND NITRITES	MG/L	0.169	0.140
NITRITE	MG/L	0.012	0.011

SAMPLING ROUND SUMMARY (SRS) 03/23/92

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 84 ROUND NO. 01 PURPOSE: QUARTERLY

CLIENT : Philips DCC

FACILITY : SENECA FALLS

SITE : HAZARDOUS WASTE MANAGEMENT

LOCATION : SENECA FALLS, N.Y.

POINTS : < ALL >

PARAMETER	UNIT	<-----SAMPLING POINT----->			
		MW-1	MW-7	MW-9	MW-10
		UPGRADIENT	DOWNGRADIENT	DOWNGRADIENT	DOWNGRADIENT
		WELL	BEDROCK	BEDROCK	BEDROCK
		03/04/84	03/04/84	03/04/84	03/04/84
		1314	1315	1316	1317
ARSENIC	MG/L	N/A	<0.001	<0.001	<0.001
BARIUM	MG/L	N/A	<0.05	<0.05	<0.05
CADMIUM	MG/L	N/A	0.008	0.018	<0.005
CHROMIUM	MG/L	N/A	0.008	0.005	0.007
FLUORIDE	MG/L	N/A	0.31	1.7	0.36
LEAD	MG/L	N/A	0.10	0.11	0.08
MERCURY	MG/L	N/A	<0.001	<0.001	<0.001
NITRATE	MG/L	N/A	0.47	0.92	0.34
SELENIUM	MG/L	N/A	<0.001	<0.001	<0.001
SILVER	MG/L	N/A	<0.005	<0.005	<0.005
ENDRIN	MG/L	N/A	<0.00001	<0.00001	<0.00001
G-BHC(LINDANE)	MG/L	N/A	<0.00001	<0.00001	<0.00001
METHOXYCHLOR	MG/L	N/A	<0.0001	<0.0001	<0.0001
TOXAPHENE	MG/L	N/A	<0.0005	<0.0005	<0.0005
2,4-DICHLOROPHENOXYACETIC ACID	MG/L	N/A	<0.001	<0.001	<0.001
2,4,5-TP SILVEX	MG/L	N/A	<0.001	<0.001	<0.001
GROSS ALPHA	PCI/L	N/A	2.5	7.6	0.9
GROSS BETA	PCI/L	N/A	16	14	11
RADIUM 226	PCI/L	N/A	0.2	3.2	0.2
TURBIDITY	NTU	N/A	5.4	60	4.5
TOTAL COLIFORM	COL/100ML	N/A	<1	<1	<1
CHLORIDE	MG/L	N/A	124	14	148
IRON	MG/L	N/A	0.70	3.9	0.39
MANGANESE	MG/L	N/A	0.08	0.18	0.02
PHENOL	MG/L	N/A	0.004	<0.004	0.006
SODIUM	MG/L	N/A	74	28	79
SULFATE	MG/L	N/A	1107	377	882
PH	SU	7.6	7.8	7.8	7.9
PH	SU	7.7	N/A	N/A	N/A
PH	SU	7.7	N/A	N/A	N/A
PH	SU	7.7	N/A	N/A	N/A
SPECIFIC CONDUCTANCE	UMHOS/CM	975	1990	1010	1750
SPECIFIC CONDUCTANCE	UMHOS/CM	975	N/A	N/A	N/A
SPECIFIC CONDUCTANCE	UMHOS/CM	970	N/A	N/A	N/A
SPECIFIC CONDUCTANCE	UMHOS/CM	975	N/A	N/A	N/A
TOTAL ORGANIC CARBON	MG/L	33	2	11	1
TOTAL ORGANIC CARBON	MG/L	31	N/A	N/A	N/A
TOTAL ORGANIC CARBON	MG/L	34	N/A	N/A	N/A
TOTAL ORGANIC CARBON	MG/L	29	N/A	N/A	N/A
TOTAL ORGANIC HALOGEN	MG/L	0.043	0.054	0.037	0.043
TOTAL ORGANIC HALOGEN	MG/L	0.046	N/A	N/A	N/A
TOTAL ORGANIC HALOGEN	MG/L	0.043	N/A	N/A	N/A
TOTAL ORGANIC HALOGEN	MG/L	0.041	N/A	N/A	N/A

S A M P L I N G R O U N D S U M M A R Y (S R S) 03/23/92

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 84 ROUND NO. 01 PURPOSE: QUARTERLY

CLIENT : Philips DCC

FACILITY : SENECA FALLS

SITE : HAZARDOUS WASTE MANAGEMENT

LOCATION : SENECA FALLS, N.Y.

POINTS : < ALL >

PARAMETER	UNIT	MW-1	MW-7	MW-9	MW-10
		UPGRADIENT	DOWNGRADIENT	DOWNGRADIENT	DOWNGRADIENT
		WELL	BEDROCK	BEDROCK	BEDROCK
		03/04/84	03/04/84	03/04/84	03/04/84
		1314	1315	1316	1317
GROUND WATER ELEVATION	FT MSL	452.33	380.52	379.96	384.21

SAMPLING ROUND SUMMARY (SRS) 03/23/92

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 84 ROUND NO. 02 PURPOSE: QUARTERLY

CLIENT : Philips DCC

FACILITY : SENECA FALLS

SITE : HAZARDOUS WASTE MANAGEMENT

LOCATION : SENECA FALLS, N.Y.

POINTS : < ALL >

PARAMETER	UNIT	<-----SAMPLING POINT----->				
		MW-1 UPGRADIENT WELL 06/06/84 415801	MW-7 DOWNGRADIENT BEDROCK 06/06/84 415804	MW-8 DOWNGRADIENT BEDROCK 06/06/84 415802	MW-9 DOWNGRADIENT BEDROCK 06/06/84 415803	MW-10 DOWNGRADIENT BEDROCK 06/06/84 415805
CADMIUM	MG/L	<0.1	0.1	0.1	0.1	0.1
CHROMIUM	MG/L	<0.1	<0.1	<0.1	<0.1	<0.1
LEAD	MG/L	<0.1	<0.1	0.2	<0.1	<0.1
PH	SU	6.70	6.80	7.0	7.10	6.70
SPECIFIC CONDUCTANCE	UMHOS/CM	1250	2100	7500	850	1650
TOTAL ORGANIC CARBON	MG/L	<0.5	<0.5	<0.5	<0.5	<0.5
TOTAL ORGANIC HALOGEN	MG/L	<0.1	<0.1	<0.1	<0.1	<0.1
COPPER	MG/L	0.2	<0.1	<0.1	<0.1	<0.1
NICKEL	MG/L	2.	3.4	0.6	1.5	<0.1
ZINC	MG/L	<0.1	<0.1	<0.1	<0.1	<0.1

SAMPLING ROUND SUMMARY (SRS) 03/23/92

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 84 ROUND NO. 03 PURPOSE: QUARTERLY

CLIENT : Philips DCC

FACILITY : SENECA FALLS

SITE : HAZARDOUS WASTE MANAGEMENT

LOCATION : SENECA FALLS, N.Y.

POINTS : < ALL >

PARAMETER	UNIT	<-----SAMPLING POINT----->				
		MW-1 UPGRADIENT WELL 06/08/84 3969	MW-7 DOWNGRADIENT BEDROCK 06/11/84 3990	MW-8 DOWNGRADIENT BEDROCK 06/08/84 3970	MW-9 DOWNGRADIENT BEDROCK 06/11/84 3971	MW-10 DOWNGRADIENT BEDROCK 06/11/84 3991
ARSENIC	MG/L	N/A	<0.001	<0.001	<0.001	<0.001
BARIUM	MG/L	N/A	0.18	0.25	0.08	0.18
CADMIUM	MG/L	N/A	<0.005	<0.005	<0.005	<0.005
CHROMIUM	MG/L	N/A	0.01	0.02	0.009	0.01
FLUORIDE	MG/L	N/A	0.85	2.1	0.61	0.66
LEAD	MG/L	N/A	<0.005	<0.005	<0.005	<0.005
MERCURY	MG/L	N/A	<0.001	<0.001	<0.001	<0.001
NITRATE	MG/L	N/A	0.18	0.49	0.46	0.16
SELENIUM	MG/L	N/A	<0.001	<0.001	<0.001	<0.001
SILVER	MG/L	N/A	0.01	0.03	<0.01	0.01
ENDRIN	MG/L	N/A	<0.00001	<0.00001	<0.00001	<0.00001
G-BHC(LINDANE)	MG/L	N/A	<0.00001	<0.00001	<0.00001	<0.00001
METHOXYCHLOR	MG/L	N/A	<0.0001	<0.0001	<0.0001	<0.0001
TOXAPHENE	MG/L	N/A	<0.0005	<0.0005	<0.0005	<0.0005
2,4-DICHLOROPHENOXYACETIC ACID	MG/L	N/A	<0.001	<0.001	<0.001	<0.001
2,4,5-TP SILVEX	MG/L	N/A	<0.001	<0.001	<0.001	<0.001
GROSS ALPHA	PCI/L	N/A	0	2.0	0	0
GROSS BETA	PCI/L	N/A	3	19	2	2
RADIUM 226	PCI/L	N/A	0.2	0.7	0.3	0.1
TOTAL COLIFORM	COL/100ML	N/A	<1	<1	<1	<1
CHLORIDE	MG/L	11	82	1590	2	129
IRON	MG/L	0.46	0.08	0.28	0.32	0.04
MANGANESE	MG/L	0.04	0.05	0.02	0.01	0.02
PHENOL	MG/L	<0.004	<0.004	<0.004	<0.004	<0.004
SODIUM	MG/L	24	60	1500	4	81
SULFATE	MG/L	74	1140	2545	223	775
PH	SU	7.2	7.4	7.4	7.3	7.5
PH	SU	N/A	N/A	7.4	N/A	N/A
PH	SU	N/A	N/A	7.4	N/A	N/A
PH	SU	N/A	N/A	7.4	N/A	N/A
SPECIFIC CONDUCTANCE	UMHOS/CM	1040	2000	8400	900	1750
SPECIFIC CONDUCTANCE	UMHOS/CM	N/A	N/A	8200	N/A	N/A
SPECIFIC CONDUCTANCE	UMHOS/CM	N/A	N/A	8200	N/A	N/A
SPECIFIC CONDUCTANCE	UMHOS/CM	N/A	N/A	8400	N/A	N/A
TOTAL ORGANIC CARBON	MG/L	3	11	7	17	1
TOTAL ORGANIC CARBON	MG/L	N/A	N/A	7	N/A	N/A
TOTAL ORGANIC CARBON	MG/L	N/A	N/A	7	N/A	N/A
TOTAL ORGANIC CARBON	MG/L	N/A	N/A	8	N/A	N/A
TOTAL ORGANIC HALOGEN	MG/L	0.083	0.202	0.94	0.08	0.106
TOTAL ORGANIC HALOGEN	MG/L	N/A	N/A	0.905	N/A	N/A
TOTAL ORGANIC HALOGEN	MG/L	N/A	N/A	0.905	N/A	N/A
TOTAL ORGANIC HALOGEN	MG/L	N/A	N/A	0.893	N/A	N/A
GROUND WATER ELEVATION	FT MSL	454.75	384.38	329.01	385.10	385.21

SAMPLING ROUND SUMMARY (SRS) 03/23/92

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
 FOR YEAR 84 ROUND NO. 04 PURPOSE: QUARTERLY

CLIENT : Philips DCC

FACILITY : SENECA FALLS

SITE : HAZARDOUS WASTE MANAGEMENT

LOCATION : SENECA FALLS, N.Y.

POINTS : < ALL >

PARAMETER	UNIT	<-----SAMPLING POINT----->	
		MW-11 DOWNGRADIENT BEDROCK 07/12/84 4798	MW-12 DOWNGRADIENT BEDRK/TILL 07/12/84 4799
ARSENIC	MG/L	0.002	<0.001
BARIUM	MG/L	0.20	0.15
CADMIUM	MG/L	0.02	0.008
CHROMIUM	MG/L	0.09	0.04
FLUORIDE	MG/L	2.6	1.5
LEAD	MG/L	0.02	0.02
MERCURY	MG/L	<0.001	<0.001
NITRATE	MG/L	0.55	0.61
SELENIUM	MG/L	<0.005	<0.005
SILVER	MG/L	0.02	<0.01
ENDRIN	MG/L	<0.00001	<0.00001
G-BHC(LINDANE)	MG/L	<0.00001	<0.00001
METHOXYCHLOR	MG/L	<0.0001	<0.0001
TOXAPHENE	MG/L	<0.0005	<0.0005
2,4-DICHLOROPHENOXYACETIC ACID	MG/L	<0.001	<0.001
2,4,5-TP SILVEX	MG/L	<0.001	<0.001
GROSS ALPHA	PCI/L	4.1	9.8
GROSS BETA	PCI/L	224	35
RADIUM 226	PCI/L	0	5.4
TURBIDITY	NTU	850	450
TOTAL COLIFORM	COL/100ML	<1	165
CHLORIDE	MG/L	278	102
IRON	MG/L	6.4	1.7
MANGANESE	MG/L	0.26	0.15
PHENOL	MG/L	0.24	0.018
SODIUM	MG/L	240	115
SULFATE	MG/L	2177	1172
PH	SU	11.3	7.7
SPECIFIC CONDUCTANCE	UMHOS/CM	3900	1900
TOTAL ORGANIC CARBON	MG/L	13	8
TOTAL ORGANIC HALOGEN	MG/L	0.099	0.1
CALCIUM	MG/L	1400	700
NITRATES AND NITRITES	MG/L	0.57	0.62
NITRITE	MG/L	0.02	0.01

SAMPLING ROUND SUMMARY (SRS) 03/23/92

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 84 ROUND NO. 05 PURPOSE: QUARTERLY

CLIENT : Philips DCC

FACILITY : SENECA FALLS

SITE : HAZARDOUS WASTE MANAGEMENT

LOCATION : SENECA FALLS, N.Y.

POINTS : < ALL >

PARAMETER	UNIT	<-----SAMPLING POINT----->				
		MW-1	MW-7	MW-8	MW-9	MW-10
		UPGRADIENT	DOWNGRADIENT	DOWNGRADIENT	DOWNGRADIENT	DOWNGRADIENT
		WELL	BEDROCK	BEDROCK	BEDROCK	BEDROCK
		09/12/84	09/06/84	09/12/84	09/05/84	09/06/84
		6265	6130	6266	6131	6132
ARSENIC	MG/L	N/A	N/A	<0.001	<0.001	<0.001
BARIUM	MG/L	N/A	N/A	0.10	0.06	0.10
CADMIUM	MG/L	N/A	N/A	<0.003	0.01	<0.003
CHROMIUM	MG/L	N/A	N/A	0.02	0.01	0.01
FLUORIDE	MG/L	0.34	0.81	0.84	0.53	0.62
LEAD	MG/L	N/A	N/A	0.01	0.02	0.01
MERCURY	MG/L	N/A	N/A	<0.001	N/A	N/A
NITRATE	MG/L	N/A	0.13	2.2	0.32	0.07
SELENIUM	MG/L	N/A	N/A	<0.001	<0.001	<0.001
SILVER	MG/L	N/A	N/A	0.02	<0.01	0.01
ENDRIN	MG/L	N/A	N/A	<0.00001	<0.00001	<0.00001
G-BHC(LINDANE)	MG/L	N/A	N/A	<0.00001	<0.00001	<0.00001
METHOXYCHLOR	MG/L	N/A	N/A	<0.0001	<0.0001	<0.0001
TOXAPHENE	MG/L	N/A	N/A	<0.0005	<0.0005	<0.0005
2,4-DICHLOROPHENOXYACETIC ACID	MG/L	N/A	N/A	<0.001	<0.001	<0.001
2,4,5-TP SILVEX	MG/L	N/A	N/A	<0.001	<0.001	<0.001
GROSS ALPHA	PCI/L	N/A	N/A	11.9	0	0
GROSS BETA	PCI/L	N/A	N/A	19	0	0
RADIUM 226	PCI/L	N/A	N/A	1.4	0.5	0
TURBIDITY	NTU	N/A	N/A	30	38	4
TOTAL COLIFORM	COL/100ML	240	<1	650	<1	<1
CHLORIDE	MG/L	28	129	2020	54	39
IRON	MG/L	0.49	0.46	3.9	1.6	0.12
MANGANESE	MG/L	0.04	0.05	0.19	0.05	0.03
PHENOL	MG/L	0.008	0.005	0.006	<0.004	<0.004
SODIUM	MG/L	16	78	1660	22	90
SULFATE	MG/L	97	1431	954	735	1242
PH	SU	7.5	7.8	7.4	7.7	7.4
PH	SU	7.5	7.8	7.3	N/A	N/A
PH	SU	7.5	7.8	7.3	N/A	N/A
PH	SU	7.5	7.8	7.3	N/A	N/A
SPECIFIC CONDUCTANCE	UMHOS/CM	1200	2100	11000	1380	2050
SPECIFIC CONDUCTANCE	UMHOS/CM	1250	2100	12000	N/A	N/A
SPECIFIC CONDUCTANCE	UMHOS/CM	1180	2100	12000	N/A	N/A
SPECIFIC CONDUCTANCE	UMHOS/CM	1200	2100	11000	N/A	N/A
TOTAL ORGANIC CARBON	MG/L	23	10	9	26	8
TOTAL ORGANIC CARBON	MG/L	18	10	9	N/A	N/A
TOTAL ORGANIC CARBON	MG/L	22	11	6	N/A	N/A
TOTAL ORGANIC CARBON	MG/L	22	10	7	N/A	N/A
TOTAL ORGANIC HALOGEN	MG/L	0.034	0.049	0.041	0.032	0.042
TOTAL ORGANIC HALOGEN	MG/L	0.036	0.05	0.037	N/A	N/A
TOTAL ORGANIC HALOGEN	MG/L	0.04	0.045	0.045	N/A	N/A
TOTAL ORGANIC HALOGEN	MG/L	0.032	0.044	0.047	N/A	N/A

S A M P L I N G R O U N D S U M M A R Y (S R S) 03/23/92

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 84 ROUND NO. 05 PURPOSE: QUARTERLY

CLIENT : Philips DCC

FACILITY : SENECA FALLS

SITE : HAZARDOUS WASTE MANAGEMENT

LOCATION : SENECA FALLS, N.Y.

POINTS : < ALL >

PARAMETER	UNIT	MW-1	MW-7	MW-8	MW-9	MW-10
		UPGRADIENT	DOWNGRADIENT	DOWNGRADIENT	DOWNGRADIENT	DOWNGRADIENT
		WELL	BEDROCK	BEDROCK	BEDROCK	BEDROCK
		09/12/84	09/06/84	09/12/84	09/05/84	09/06/84
		6265	6130	6266	6131	6132
GROUND WATER ELEVATION	FT MSL	455.46	383.15	318.59	383.23	384.18
ALKALINITY TO M.O.	MG/L	N/A	N/A	N/A	N/A	N/A
CALCIUM	MG/L	N/A	900	1450	N/A	N/A
TOTAL DISSOLVED SOLIDS	MG/L	N/A	N/A	7600	N/A	N/A
TOTAL HARDNESS	MG/L	N/A	N/A	N/A	N/A	N/A

SAMPLING ROUND SUMMARY (SRS) 03/23/92

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 84 ROUND NO. 05 PURPOSE: QUARTERLY

CLIENT : Philips DCC

FACILITY : SENECA FALLS

SITE : HAZARDOUS WASTE MANAGEMENT

LOCATION : SENECA FALLS, N.Y.

POINTS : < ALL >

PARAMETER	UNIT	<-----SAMPLING POINT----->		
		MW-11	MW-12	HOUSEHOLD
		DOWNGRADIENT	DOWNGRADIENT	UPGRADIENT
		BEDROCK	BEDRK/TILL	WELL
		09/12/84	09/12/84	09/12/84
		6268	6269	6267
ARSENIC	MG/L	N/A	<0.001	N/A
BARIUM	MG/L	N/A	0.12	N/A
CADMIUM	MG/L	<0.003	0.005	N/A
CHROMIUM	MG/L	0.13	0.02	N/A
FLUORIDE	MG/L	1.3	2.5	2.6
LEAD	MG/L	0.02	0.02	N/A
MERCURY	MG/L	N/A	N/A	N/A
NITRATE	MG/L	N/A	3.6	0.52
SELENIUM	MG/L	N/A	<0.001	N/A
SILVER	MG/L	N/A	0.01	N/A
ENDRIN	MG/L	N/A	N/A	N/A
G-BHC(LINDANE)	MG/L	N/A	N/A	N/A
METHOXYCHLOR	MG/L	N/A	N/A	N/A
TOXAPHENE	MG/L	N/A	N/A	N/A
2,4-DICHLOROPHENOXYACETIC ACID	MG/L	N/A	N/A	N/A
2,4,5-TP SILVEX	MG/L	N/A	N/A	N/A
GROSS ALPHA	PCI/L	N/A	N/A	N/A
GROSS BETA	PCI/L	N/A	N/A	N/A
RADIUM 226	PCI/L	N/A	N/A	N/A
TURBIDITY	NTU	1250	75	1.5
TOTAL COLIFORM	COL/100ML	N/A	N/A	<5
CHLORIDE	MG/L	2310	635	9
IRON	MG/L	0.06	1.6	0.44
MANGANESE	MG/L	<0.005	0.09	<0.01
PHENOL	MG/L	N/A	N/A	0.003
SODIUM	MG/L	1428	575	4
SULFATE	MG/L	2782	2941	1350
PH	SU	11.2	7.4	7.4
PH	SU	N/A	N/A	N/A
PH	SU	N/A	N/A	N/A
PH	SU	N/A	N/A	N/A
SPECIFIC CONDUCTANCE	UMHOS/CM	12000	6200	1840
SPECIFIC CONDUCTANCE	UMHOS/CM	N/A	N/A	N/A
SPECIFIC CONDUCTANCE	UMHOS/CM	N/A	N/A	N/A
SPECIFIC CONDUCTANCE	UMHOS/CM	N/A	N/A	N/A
TOTAL ORGANIC CARBON	MG/L	N/A	9	12
TOTAL ORGANIC CARBON	MG/L	N/A	N/A	N/A
TOTAL ORGANIC CARBON	MG/L	N/A	N/A	N/A
TOTAL ORGANIC CARBON	MG/L	N/A	N/A	N/A
TOTAL ORGANIC HALOGEN	MG/L	N/A	0.036	0.025
TOTAL ORGANIC HALOGEN	MG/L	N/A	N/A	N/A
TOTAL ORGANIC HALOGEN	MG/L	N/A	N/A	N/A
TOTAL ORGANIC HALOGEN	MG/L	N/A	N/A	N/A

S A M P L I N G R O U N D S U M M A R Y (S R S) 03/23/92

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 84 ROUND NO. 05 PURPOSE: QUARTERLY

CLIENT : Philips DCC

FACILITY : SENECA FALLS

SITE : HAZARDOUS WASTE MANAGEMENT

LOCATION : SENECA FALLS, N.Y.

POINTS : < ALL >

PARAMETER	UNIT	I	MW-11	MW-12	HOUSEHOLD
			DOWNGRADIENT	DOWNGRADIENT	UPGRADIENT
			BEDROCK	BEDRK/TILL	WELL
			09/12/84	09/12/84	09/12/84
			6268	6269	6267

GROUND WATER ELEVATION	FT MSL		356.47	415.60	N/A
ALKALINITY TO M.O.	MG/L		N/A	N/A	218
CALCIUM	MG/L		N/A	1310	N/A
TOTAL DISSOLVED SOLIDS	MG/L		N/A	N/A	1544
TOTAL HARDNESS	MG/L		N/A	N/A	1088

SAMPLING ROUND SUMMARY (SRS) 03/23/92

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 84 ROUND NO. 06 PURPOSE: QUARTERLY

CLIENT : Philips DCC
SITE : HAZARDOUS WASTE MANAGEMENT
POINTS : < ALL >

FACILITY : SENECA FALLS
LOCATION : SENECA FALLS, N.Y.

PARAMETER	UNIT	<-----SAMPLING POINT----->			
		MW-8	MW-9	MW-10	MW-12
		DOWNGRADIENT	DOWNGRADIENT	DOWNGRADIENT	DOWNGRADIENT
		BEDROCK	BEDROCK	BEDROCK	BEDRK/TILL
		12/17/84	12/17/84	12/17/84	12/17/84
		9095	9171	9172	9096
ARSENIC	MG/L	0.004	<0.001	<0.001	<0.001
BARIUM	MG/L	<0.03	0.03	0.03	<0.03
CADMIUM	MG/L	0.01	0.01	<0.01	0.01
CHROMIUM	MG/L	0.02	0.01	<0.01	0.01
FLUORIDE	MG/L	1.7	1.4	0.44	1.2
LEAD	MG/L	0.16	0.07	0.07	0.11
MERCURY	MG/L	<0.001	<0.001	<0.001	<0.001
NITRATE	MG/L	2.1	0.85	1.5	3.0
SELENIUM	MG/L	0.006	<0.002	0.006	<0.002
SILVER	MG/L	0.02	<0.01	<0.01	0.01
ENDRIN	MG/L	<0.00001	<0.00001	<0.00001	<0.00001
G-BHC(LINDANE)	MG/L	<0.00001	<0.00001	<0.00001	<0.00001
METHOXYCHLOR	MG/L	<0.0001	<0.0001	<0.0001	<0.0001
TOXAPHENE	MG/L	<0.0005	<0.0005	<0.0005	<0.0005
2,4-DICHLOROPHENOXYACETIC ACID	MG/L	<0.001	<0.001	<0.001	<0.001
2,4,5-TP SILVEX	MG/L	<0.001	<0.001	<0.001	<0.001
GROSS ALPHA	PCI/L	2.8	1.2	0.2	0.3
GROSS BETA	PCI/L	25	8	45	53
RADIUM 226	PCI/L	3.2	0.6	0.3	1.0
TURBIDITY	NTU	150	140	1.5	210
TOTAL COLIFORM	COL/100ML	<1	<1	<1	<1
CHLORIDE	MG/L	895	9	147	650
IRON	MG/L	26	5.4	0.18	0.76
MANGANESE	MG/L	0.41	0.19	0.05	0.09
PHENOL	MG/L	0.014	0.018	0.007	0.016
SODIUM	MG/L	630	6	89	620
SULFATE	MG/L	2624	545	1431	3022
PH	SU	7.8	7.8	7.9	7.6
PH	SU	7.8	N/A	N/A	N/A
PH	SU	7.8	N/A	N/A	N/A
PH	SU	7.8	N/A	N/A	N/A
SPECIFIC CONDUCTANCE	UMHOS/CM	5400	1350	2100	2800
SPECIFIC CONDUCTANCE	UMHOS/CM	5350	N/A	N/A	N/A
SPECIFIC CONDUCTANCE	UMHOS/CM	5400	N/A	N/A	N/A
SPECIFIC CONDUCTANCE	UMHOS/CM	5420	N/A	N/A	N/A
TOTAL ORGANIC CARBON	MG/L	26	23	14	24
TOTAL ORGANIC CARBON	MG/L	27	N/A	N/A	N/A
TOTAL ORGANIC CARBON	MG/L	26	N/A	N/A	N/A
TOTAL ORGANIC CARBON	MG/L	26	N/A	N/A	N/A
TOTAL ORGANIC HALOGEN	MG/L	0.056	0.055	0.077	0.037
TOTAL ORGANIC HALOGEN	MG/L	0.062	N/A	N/A	N/A
TOTAL ORGANIC HALOGEN	MG/L	0.068	N/A	N/A	N/A
TOTAL ORGANIC HALOGEN	MG/L	0.055	N/A	N/A	N/A

S A M P L I N G R O U N D S U M M A R Y (S R S) 03/23/92

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 84 ROUND NO. 06 PURPOSE: QUARTERLY

CLIENT : Philips DCC

FACILITY : SENECA FALLS

SITE : HAZARDOUS WASTE MANAGEMENT

LOCATION : SENECA FALLS, N.Y.

POINTS : < ALL >

PARAMETER	UNIT	MW-8	MW-9	MW-10	MW-12
		DOWNGRAIENT	DOWNGRAIENT	DOWNGRAIENT	DOWNGRAIENT
		BEDROCK	BEDROCK	BEDROCK	BEDRK/TILL
		12/17/84	12/17/84	12/17/84	12/17/84
		9095	9171	9172	9096
GROUND WATER ELEVATION	FT MSL	318.28	381.61	382.11	417.07
TOTAL DISSOLVED SOLIDS	MG/L	5096	1048	1772	4788

SAMPLING ROUND SUMMARY (SRS) 03/23/92

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 85 ROUND NO. 01 PURPOSE: QUARTERLY

CLIENT : Philips DCC
SITE : HAZARDOUS WASTE MANAGEMENT
POINTS : < ALL >

FACILITY : SENECA FALLS
LOCATION : SENECA FALLS, N.Y.

		<-----SAMPLING POINT----->				
PARAMETER	UNIT	MW-1	MW-7	MW-8	MW-9	MW-10
		UPGRADIENT	DOWNGRADIENT	DOWNGRADIENT	DOWNGRADIENT	DOWNGRADIENT
		WELL	BEDROCK	BEDROCK	BEDROCK	BEDROCK
		03/12/85	03/11/85	03/13/85	03/11/85	03/11/85
		1825	1769	1889	1770	1826
ARSENIC	MG/L	<0.001	<0.001	<0.001	<0.001	<0.001
BARIUM	MG/L	0.20	<0.02	<0.02	<0.02	<0.02
CADMIUM	MG/L	<0.005	<0.005	0.005	<0.005	<0.005
CHROMIUM	MG/L	<0.002	0.002	0.01	<0.002	0.002
FLUORIDE	MG/L	0.23	0.34	1.8	0.27	0.28
LEAD	MG/L	0.02	0.06	0.10	0.04	0.05
MERCURY	MG/L	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
NITRATE	MG/L	0.62	0.63	2.9	0.21	0.46
SELENIUM	MG/L	<0.001	<0.001	<0.001	<0.001	<0.001
SILVER	MG/L	<0.005	<0.005	0.008	<0.005	<0.005
ENDRIN	MG/L	N/A	N/A	<0.00001	N/A	N/A
G-BHC(LINDANE)	MG/L	N/A	N/A	<0.00001	N/A	N/A
METHOXYCHLOR	MG/L	N/A	N/A	<0.0001	N/A	N/A
TOXAPHENE	MG/L	N/A	N/A	<0.0005	N/A	N/A
2,4-DICHLOROPHENOXYACETIC ACID	MG/L	N/A	N/A	<0.001	N/A	N/A
2,4,5-TP SILVEX	MG/L	N/A	N/A	<0.001	N/A	N/A
GROSS ALPHA	PCI/L	N/A	N/A	2.6	N/A	N/A
GROSS BETA	PCI/L	N/A	N/A	25	N/A	N/A
RADIUM 226	PCI/L	N/A	N/A	0.9	N/A	N/A
TURBIDITY	NTU	1.5	0.32	20	2.1	0.18
TOTAL COLIFORM	COL/100ML	<1	<1	40	<1	<1
CHLORIDE	MG/L	16	120	795	2	147
IRON	MG/L	0.12	0.48	2.1	0.51	0.14
MANGANESE	MG/L	0.14	0.43	0.11	0.30	0.06
PHENOL	MG/L	0.007	0.010	0.011	0.008	0.006
SODIUM	MG/L	12	85	550	5.6	87
SULFATE	MG/L	167	1240	2380	487	1014
PH	SU	7.5	7.6	7.6	7.7	7.8
PH	SU	7.5	7.6	7.6	7.6	7.8
PH	SU	7.5	7.7	7.6	7.6	7.8
PH	SU	7.5	7.6	7.5	7.7	7.8
SPECIFIC CONDUCTANCE	UMHOS/CM	1080	1750	5380	1060	1775
SPECIFIC CONDUCTANCE	UMHOS/CM	1090	1750	5350	1060	1780
SPECIFIC CONDUCTANCE	UMHOS/CM	1090	1775	5350	1070	1780
SPECIFIC CONDUCTANCE	UMHOS/CM	1090	1750	5400	1070	1780
TOTAL ORGANIC CARBON	MG/L	4	<1	1	44	5
TOTAL ORGANIC CARBON	MG/L	4	<1	1	43	5
TOTAL ORGANIC CARBON	MG/L	4	<1	1	42	4
TOTAL ORGANIC CARBON	MG/L	4	<1	1	42	4
TOTAL ORGANIC HALOGEN	MG/L	0.038	0.09	0.109	0.027	0.039
TOTAL ORGANIC HALOGEN	MG/L	0.021	0.081	0.114	0.041	0.075
TOTAL ORGANIC HALOGEN	MG/L	0.04	0.075	0.11	0.031	0.082
TOTAL ORGANIC HALOGEN	MG/L	0.045	0.07	0.125	0.03	0.037

SAMPLING ROUND SUMMARY (SRS) 03/23/92

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 85 ROUND NO. 01 PURPOSE: QUARTERLY

CLIENT : Philips DCC
SITE : HAZARDOUS WASTE MANAGEMENT
POINTS : < ALL >

FACILITY : SENECA FALLS
LOCATION : SENECA FALLS, N.Y.

		<-----SAMPLING POINT----->
		MW-12
		DOWNGRAIENT
		BEDRK/TILL
		03/13/85
PARAMETER	UNIT	1890
ARSENIC	MG/L	<0.001
BARIUM	MG/L	<0.02
CADMIUM	MG/L	<0.005
CHROMIUM	MG/L	0.02
FLUORIDE	MG/L	0.83
LEAD	MG/L	0.10
MERCURY	MG/L	<0.0005
NITRATE	MG/L	4.4
SELENIUM	MG/L	<0.001
SILVER	MG/L	0.005
ENDRIN	MG/L	<0.00001
G-BHC(LINDANE)	MG/L	<0.00001
METHOXYCHLOR	MG/L	<0.0001
TOXAPHENE	MG/L	<0.0005
2,4-DICHLOROPHOXYACETIC ACID	MG/L	<0.001
2,4,5-TP SILVEX	MG/L	<0.001
GROSS ALPHA	PCI/L	2.8
GROSS BETA	PCI/L	231
RADIUM 226	PCI/L	1.0
TURBIDITY	NTU	15
TOTAL COLIFORM	COL/100ML	<20
CHLORIDE	MG/L	550
IRON	MG/L	1.7
MANGANESE	MG/L	0.09
PHENOL	MG/L	0.007
SODIUM	MG/L	730
SULFATE	MG/L	2500
PH	SU	7.4
PH	SU	7.4
PH	SU	7.4
PH	SU	7.4
SPECIFIC CONDUCTANCE	UMHOS/CM	5800
SPECIFIC CONDUCTANCE	UMHOS/CM	5800
SPECIFIC CONDUCTANCE	UMHOS/CM	5775
SPECIFIC CONDUCTANCE	UMHOS/CM	5800
TOTAL ORGANIC CARBON	MG/L	2
TOTAL ORGANIC CARBON	MG/L	1
TOTAL ORGANIC CARBON	MG/L	2
TOTAL ORGANIC CARBON	MG/L	2
TOTAL ORGANIC HALOGEN	MG/L	0.075
TOTAL ORGANIC HALOGEN	MG/L	0.1
TOTAL ORGANIC HALOGEN	MG/L	0.051
TOTAL ORGANIC HALOGEN	MG/L	0.054

SAMPLING ROUND SUMMARY (SRS) 03/23/92

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 85 ROUND NO. 01 PURPOSE: QUARTERLY

CLIENT : Philips DCC
SITE : HAZARDOUS WASTE MANAGEMENT
POINTS : < ALL >

FACILITY : SENECA FALLS
LOCATION : SENECA FALLS, N.Y.

PARAMETER	UNIT	MW-1	MW-7	MW-8	MW-9	MW-10
		UPGRADIENT WELL 03/12/85 1825	DOWNGRADIENT BEDROCK 03/11/85 1769	DOWNGRADIENT BEDROCK 03/13/85 1889	DOWNGRADIENT BEDROCK 03/11/85 1770	DOWNGRADIENT BEDROCK 03/11/85 1826
GROUND WATER ELEVATION	FT MSL	457.03	382.22	318.24	382.56	383.31
NICKEL	MG/L	0.005	0.02	0.05	0.007	0.01

SAMPLING ROUND SUMMARY (SRS) 03/23/92

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 85 ROUND NO. 02 PURPOSE: SUPPLEMENT

CLIENT : Philips DCC

FACILITY : SENECA FALLS

SITE : HAZARDOUS WASTE MANAGEMENT

LOCATION : SENECA FALLS, N.Y.

POINTS : < ALL >

PARAMETER	UNIT	<-----SAMPLING POINT----->				
		MW-2 DOWNGRADIANT WELL 03/18/85 2157	MW-3 DOWNGRADIANT WELL 03/18/85 2156	MW-4 DOWNGRADIANT WELL 03/18/85 2155	MW-11 DOWNGRADIANT BEDROCK 03/18/85 2154	TB-6 DOWNGRADIANT WELL 03/18/85 2153
ARSENIC	MG/L	<0.001	<0.001	<0.001	<0.001	<0.001
CADMIUM	MG/L	<0.005	<0.005	<0.005	<0.005	<0.005
CHROMIUM	MG/L	0.02	0.02	0.006	0.01	0.006
FLUORIDE	MG/L	<0.02	<0.02	0.12	1.7	0.62
LEAD	MG/L	<0.01	<0.01	<0.01	<0.01	<0.01
MERCURY	MG/L	<0.001	<0.001	<0.001	<0.001	<0.001
SELENIUM	MG/L	<0.001	<0.001	<0.001	<0.001	<0.001
SILVER	MG/L	<0.01	<0.01	<0.01	<0.01	<0.01
CHLORIDE	MG/L	40	40	34	13450	9.9
IRON	MG/L	1.1	2.7	0.15	0.05	1.2
MANGANESE	MG/L	0.11	0.30	<0.01	<0.01	0.03
SODIUM	MG/L	10	16	21	7400	64
SULFATE	MG/L	147	159	111	2525	565
PH	SU	8.2	8.5	7.8	9.8	7.8
PH	SU	N/A	N/A	N/A	N/A	7.7
PH	SU	N/A	N/A	N/A	N/A	7.8
PH	SU	N/A	N/A	N/A	N/A	7.7
SPECIFIC CONDUCTANCE	UMHOS/CM	N/A	N/A	N/A	N/A	1340
SPECIFIC CONDUCTANCE	UMHOS/CM	N/A	N/A	N/A	N/A	INS
SPECIFIC CONDUCTANCE	UMHOS/CM	N/A	N/A	N/A	N/A	INS
SPECIFIC CONDUCTANCE	UMHOS/CM	N/A	N/A	N/A	N/A	INS
TOTAL ORGANIC CARBON	MG/L	N/A	N/A	N/A	N/A	8
TOTAL ORGANIC CARBON	MG/L	N/A	N/A	N/A	N/A	6
TOTAL ORGANIC CARBON	MG/L	N/A	N/A	N/A	N/A	7
TOTAL ORGANIC CARBON	MG/L	N/A	N/A	N/A	N/A	7
TOTAL ORGANIC HALOGEN	MG/L	N/A	N/A	N/A	N/A	0.014
TOTAL ORGANIC HALOGEN	MG/L	N/A	N/A	N/A	N/A	INS
TOTAL ORGANIC HALOGEN	MG/L	N/A	N/A	N/A	N/A	INS
TOTAL ORGANIC HALOGEN	MG/L	N/A	N/A	N/A	N/A	INS
NICKEL	MG/L	<0.01	<0.01	<0.01	<0.01	<0.01

SAMPLING ROUND SUMMARY (SRS) 03/23/92

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 85 ROUND NO. 03 PURPOSE: QUARTERLY

CLIENT : Philips DCC

FACILITY : SENECA FALLS

SITE : HAZARDOUS WASTE MANAGEMENT

LOCATION : SENECA FALLS, N.Y.

POINTS : < ALL >

PARAMETER	UNIT	<-----SAMPLING POINT----->				
		MW-1 UPGRADIENT WELL 07/01/85 5748	MW-7 DOWNGRADIENT BEDROCK 07/01/85 5749	MW-8 DOWNGRADIENT BEDROCK 07/01/85 5750	MW-9 DOWNGRADIENT BEDROCK 07/01/85 5751	MW-10 DOWNGRADIENT BEDROCK 07/01/85 5752
PH	SU	7.3	7.5	7.3	7.3	7.7
PH	SU	7.4	7.6	7.3	7.3	7.7
PH	SU	7.4	7.5	7.3	7.4	7.7
PH	SU	7.4	7.5	7.3	7.4	7.8
SPECIFIC CONDUCTANCE	UMHOS/CM	950	2150	4950	870	1600
SPECIFIC CONDUCTANCE	UMHOS/CM	960	2100	5000	870	1600
SPECIFIC CONDUCTANCE	UMHOS/CM	960	2100	5000	870	1650
SPECIFIC CONDUCTANCE	UMHOS/CM	960	2100	4950	870	1650
TOTAL ORGANIC CARBON	MG/L	8	6	8	8	10
TOTAL ORGANIC CARBON	MG/L	8	6	7	6	9
TOTAL ORGANIC CARBON	MG/L	10	6	6	6	8
TOTAL ORGANIC CARBON	MG/L	10	6	5	7	8
TOTAL ORGANIC HALOGEN	MG/L	0.046	0.018	0.036	<0.01	0.068
TOTAL ORGANIC HALOGEN	MG/L	0.095	0.024	0.025	<0.01	0.047
TOTAL ORGANIC HALOGEN	MG/L	0.078	0.026	0.025	<0.01	0.025
TOTAL ORGANIC HALOGEN	MG/L	0.073	0.024	0.027	<0.01	0.053
GROUND WATER ELEVATION	FT MSL	453.70	383.91	351.36	383.96	384.99
TOTAL DISSOLVED SOLIDS	MG/L	664	1744	4436	668	1556
TOTAL DISSOLVED SOLIDS	MG/L	684	1724	4360	688	1512
TOTAL DISSOLVED SOLIDS	MG/L	652	1740	4480	684	1536
TOTAL DISSOLVED SOLIDS	MG/L	680	1724	4444	672	1532

SAMPLING ROUND SUMMARY (SRS) 03/23/92

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
 FOR YEAR 85 ROUND NO. 03 PURPOSE: QUARTERLY

CLIENT : Philips DCC

FACILITY : SENECA FALLS

SITE : HAZARDOUS WASTE MANAGEMENT

LOCATION : SENECA FALLS, N.Y.

POINTS : < ALL >

PARAMETER	UNIT	<-----SAMPLING POINT----->	
		MW-11 DOWNGRADIENT BEDROCK 07/01/85 5753	MW-12 DOWNGRADIENT BEDRK/TILL 07/01/85 5754
PH	SU	8.9	7.2
PH	SU	8.8	7.2
PH	SU	8.9	7.2
PH	SU	8.9	7.2
SPECIFIC CONDUCTANCE	UMHOS/CM	85000	6200
SPECIFIC CONDUCTANCE	UMHOS/CM	83000	6200
SPECIFIC CONDUCTANCE	UMHOS/CM	85000	6200
SPECIFIC CONDUCTANCE	UMHOS/CM	88000	6200
TOTAL ORGANIC CARBON	MG/L	17	12
TOTAL ORGANIC CARBON	MG/L	13	11
TOTAL ORGANIC CARBON	MG/L	13	11
TOTAL ORGANIC CARBON	MG/L	12	11
TOTAL ORGANIC HALOGEN	MG/L	0.096	0.021
TOTAL ORGANIC HALOGEN	MG/L	0.064	0.021
TOTAL ORGANIC HALOGEN	MG/L	0.085	0.047
TOTAL ORGANIC HALOGEN	MG/L	0.075	0.027
GROUND WATER ELEVATION	FT MSL	357.36	415.92
TOTAL DISSOLVED SOLIDS	MG/L	49820	4956
TOTAL DISSOLVED SOLIDS	MG/L	54130	5132
TOTAL DISSOLVED SOLIDS	MG/L	43250	5100
TOTAL DISSOLVED SOLIDS	MG/L	53040	4956

SAMPLING ROUND SUMMARY (SRS) 03/23/92

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 85 ROUND NO. 04 PURPOSE: QUARTERLY

CLIENT : Philips DCC

FACILITY : SENECA FALLS

SITE : HAZARDOUS WASTE MANAGEMENT

LOCATION : SENECA FALLS, N.Y.

POINTS : < ALL >

PARAMETER	UNIT	<-----SAMPLING POINT----->				
		MW-1 UPGRADIENT WELL 09/16/85 7894	MW-7 DOWNGRADIENT BEDROCK 09/16/85 7895	MW-8 DOWNGRADIENT BEDROCK 09/19/85 7896	MW-9 DOWNGRADIENT BEDROCK 09/16/85 7897	MW-10 DOWNGRADIENT BEDROCK 09/16/85 7898
FLUORIDE	MG/L	0.17	0.33	2.2	0.45	0.38
CHLORIDE	MG/L	13	132	744	98	160
SODIUM	MG/L	N/A	N/A	530	N/A	N/A
SULFATE	MG/L	99	1064	2703	834	1033
PH	SU	7.3	7.5	7.2	7.4	7.5
PH	SU	7.4	7.6	N/A	7.4	7.5
PH	SU	7.4	7.5	N/A	7.4	7.6
PH	SU	7.4	7.5	N/A	7.3	7.6
SPECIFIC CONDUCTANCE	UMHOS/CM	775	1700	4500	1480	1850
SPECIFIC CONDUCTANCE	UMHOS/CM	770	1680	N/A	1480	1850
SPECIFIC CONDUCTANCE	UMHOS/CM	770	1680	N/A	1490	1825
SPECIFIC CONDUCTANCE	UMHOS/CM	770	1680	N/A	1490	1850
TOTAL ORGANIC CARBON	MG/L	4	2	8	11	18
TOTAL ORGANIC CARBON	MG/L	3	2	N/A	11	18
TOTAL ORGANIC CARBON	MG/L	4	3	N/A	12	22
TOTAL ORGANIC CARBON	MG/L	4	3	N/A	11	17
TOTAL ORGANIC HALOGEN	MG/L	0.039	0.039	0.024	0.027	0.071
TOTAL ORGANIC HALOGEN	MG/L	0.043	0.03	N/A	0.024	0.05
TOTAL ORGANIC HALOGEN	MG/L	0.047	0.038	N/A	0.029	0.059
TOTAL ORGANIC HALOGEN	MG/L	0.043	0.034	N/A	0.03	0.064
GROUND WATER ELEVATION	FT MSL	452.51	383.08	316.34	383.10	384.28

SAMPLING ROUND SUMMARY (SRS) 03/23/92

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 85 ROUND NO. 04 PURPOSE: QUARTERLY

CLIENT : Philips DCC
SITE : HAZARDOUS WASTE MANAGEMENT
POINTS : < ALL >

FACILITY : SENECA FALLS
LOCATION : SENECA FALLS, N.Y.

PARAMETER	UNIT	<-----SAMPLING POINT----->	
		MW-11 DOWNGRADIENT BEDROCK 09/19/85 7899	MW-12 DOWNGRADIENT BEDRK/TILL 09/19/85 7900
FLUORIDE	MG/L	7.4	0.94
CHLORIDE	MG/L	26450	795
SODIUM	MG/L	13700	660
SULFATE	MG/L	2465	2764
PH	SU	9.2	7.8
PH	SU	9.1	7.8
PH	SU	9.1	7.8
PH	SU	9.2	7.8
SPECIFIC CONDUCTANCE	UMHOS/CM	48000	5350
SPECIFIC CONDUCTANCE	UMHOS/CM	50000	5350
SPECIFIC CONDUCTANCE	UMHOS/CM	48000	5300
SPECIFIC CONDUCTANCE	UMHOS/CM	48000	5300
TOTAL ORGANIC CARBON	MG/L	31	20
TOTAL ORGANIC CARBON	MG/L	32	19
TOTAL ORGANIC CARBON	MG/L	36	24
TOTAL ORGANIC CARBON	MG/L	33	18
TOTAL ORGANIC HALOGEN	MG/L	0.049	0.019
TOTAL ORGANIC HALOGEN	MG/L	0.04	0.011
TOTAL ORGANIC HALOGEN	MG/L	0.047	0.017
TOTAL ORGANIC HALOGEN	MG/L	0.034	0.018
GROUND WATER ELEVATION	FT MSL	356.89	415.71

SAMPLING ROUND SUMMARY (SRS) 03/23/92

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
 FOR YEAR 85 ROUND NO. 05 PURPOSE: QUARTERLY

CLIENT : Philips DCC

FACILITY : SENECA FALLS

SITE : HAZARDOUS WASTE MANAGEMENT

LOCATION : SENECA FALLS, N.Y.

POINTS : < ALL >

PARAMETER	UNIT	<-----SAMPLING POINT----->		
		MW-1 UPGRADIENT WELL 12/16/85 10649	MW-13 DOWNGRADIENT TILL 12/16/85 10650	MW-16 DOWNGRADIENT TILL 12/18/85 10651
ARSENIC	MG/L	N/A	N/A	<0.03
BARIUM	MG/L	N/A	N/A	0.30
CADMIUM	MG/L	<0.01	<0.01	<0.01
CHROMIUM	MG/L	N/A	0.01	<0.01
FLUORIDE	MG/L	0.35	1.8	<0.02
LEAD	MG/L	<0.01	0.04	<0.02
MERCURY	MG/L	N/A	N/A	<0.01
NITRATE	MG/L	N/A	1.1	2.4
SELENIUM	MG/L	N/A	N/A	<0.04
SILVER	MG/L	N/A	N/A	<0.01
CHLORIDE	MG/L	N/A	19	4
IRON	MG/L	N/A	2.7	1.4
MANGANESE	MG/L	N/A	0.54	0.06
PHENOL	MG/L	N/A	0.013	<0.004
SODIUM	MG/L	N/A	128	4
SULFATE	MG/L	N/A	1670	98
PH	SU	7.3	7.4	7.3
PH	SU	7.3	7.4	7.3
PH	SU	7.3	7.4	7.3
PH	SU	7.3	7.4	7.3
SPECIFIC CONDUCTANCE	UMHOS/CM	1100	3000	925
SPECIFIC CONDUCTANCE	UMHOS/CM	1110	3000	920
SPECIFIC CONDUCTANCE	UMHOS/CM	1105	3000	925
SPECIFIC CONDUCTANCE	UMHOS/CM	1100	3000	930
TOTAL ORGANIC CARBON	MG/L	36	55	50
TOTAL ORGANIC CARBON	MG/L	31	51	51
TOTAL ORGANIC CARBON	MG/L	33	54	50
TOTAL ORGANIC CARBON	MG/L	31	50	50
TOTAL ORGANIC HALOGEN	MG/L	0.038	<0.01	0.013
TOTAL ORGANIC HALOGEN	MG/L	0.038	<0.01	0.012
TOTAL ORGANIC HALOGEN	MG/L	0.04	<0.01	0.01
TOTAL ORGANIC HALOGEN	MG/L	0.047	<0.01	0.015
NICKEL	MG/L	<0.01	0.02	0.01

SAMPLING ROUND SUMMARY (SRS) 03/23/92

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 86 ROUND NO. 01 PURPOSE: SUPPLEMENT

CLIENT : Philips DCC

FACILITY : SENECA FALLS

SITE : HAZARDOUS WASTE MANAGEMENT

LOCATION : SENECA FALLS, N.Y.

POINTS : < ALL >

PARAMETER	UNIT	<-----S A M P L I N G P O I N T----->				
		MW-2	MW-3	MW-4	MW-12	MW-14
		DOWNGRADIENT	DOWNGRADIENT	DOWNGRADIENT	DOWNGRADIENT	DOWNGRADIENT
		WELL	WELL	WELL	BEDRK/TILL	BEDROCK
		01/21/86	01/21/86	01/21/86	01/24/86	01/24/86
		00959	00960	00961	00962	00963
FLUORIDE	MG/L	INS	N/A	0.35	1.1	N/A
LEAD	MG/L	N/A	N/A	<0.01	<0.01	N/A
CHLORIDE	MG/L	N/A	N/A	26	950	N/A
SULFATE	MG/L	N/A	N/A	72	2100	N/A
PH	SU	8.2	8.1	7.9	7.6	9.0
PH	SU	N/A	N/A	7.9	7.6	N/A
PH	SU	N/A	N/A	7.9	7.6	N/A
PH	SU	N/A	N/A	7.9	7.6	N/A
SPECIFIC CONDUCTANCE	UMHOS/CM	760	740	725	5320	INS
SPECIFIC CONDUCTANCE	UMHOS/CM	750	N/A	725	5350	N/A
SPECIFIC CONDUCTANCE	UMHOS/CM	750	N/A	725	5350	N/A
SPECIFIC CONDUCTANCE	UMHOS/CM	750	N/A	730	5320	N/A
TOTAL ORGANIC CARBON	MG/L	30	N/A	20	32	N/A
TOTAL ORGANIC CARBON	MG/L	30	N/A	20	32	N/A
TOTAL ORGANIC CARBON	MG/L	29	N/A	19	32	N/A
TOTAL ORGANIC CARBON	MG/L	29	N/A	19	31	N/A
TOTAL ORGANIC HALOGEN	MG/L	N/A	N/A	0.022	0.017	N/A
TOTAL ORGANIC HALOGEN	MG/L	N/A	N/A	INS	0.02	N/A
TOTAL ORGANIC HALOGEN	MG/L	N/A	N/A	INS	0.014	N/A
TOTAL ORGANIC HALOGEN	MG/L	N/A	N/A	INS	0.016	N/A
SOLUBLE ORGANIC CARBON	MG/L	N/A	N/A	17	30	N/A

SAMPLING ROUND SUMMARY (SRS) 03/23/92

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 86 ROUND NO. 01 PURPOSE: SUPPLEMENT

CLIENT : Philips DCC

FACILITY : SENECA FALLS

SITE : HAZARDOUS WASTE MANAGEMENT

LOCATION : SENECA FALLS, N.Y.

POINTS : < ALL >

PARAMETER	UNIT	<-----SAMPLING POINT----->	
		MW-15 DOWNGRADIANT BEDROCK 01/24/86 00964	TB-6 DOWNGRADIANT WELL 01/24/86 00965
FLUORIDE	MG/L	N/A	N/A
LEAD	MG/L	N/A	N/A
CHLORIDE	MG/L	N/A	N/A
SULFATE	MG/L	N/A	N/A
PH	SU	INS	7.8
PH	SU	N/A	N/A
PH	SU	N/A	N/A
PH	SU	N/A	N/A
SPECIFIC CONDUCTANCE	UMHOS/CM	N/A	1673
SPECIFIC CONDUCTANCE	UMHOS/CM	N/A	N/A
SPECIFIC CONDUCTANCE	UMHOS/CM	N/A	N/A
SPECIFIC CONDUCTANCE	UMHOS/CM	N/A	N/A
TOTAL ORGANIC CARBON	MG/L	N/A	N/A
TOTAL ORGANIC CARBON	MG/L	N/A	N/A
TOTAL ORGANIC CARBON	MG/L	N/A	N/A
TOTAL ORGANIC CARBON	MG/L	N/A	N/A
TOTAL ORGANIC HALOGEN	MG/L	N/A	N/A
TOTAL ORGANIC HALOGEN	MG/L	N/A	N/A
TOTAL ORGANIC HALOGEN	MG/L	N/A	N/A
TOTAL ORGANIC HALOGEN	MG/L	N/A	N/A
SOLUBLE ORGANIC CARBON	MG/L	N/A	N/A

SAMPLING ROUND SUMMARY (SRS) 03/23/92

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 86 ROUND NO. 02 PURPOSE: QUARTERLY

CLIENT : Philips DCC

FACILITY : SENECA FALLS

SITE : HAZARDOUS WASTE MANAGEMENT

LOCATION : SENECA FALLS, N.Y.

POINTS : < ALL >

PARAMETER	UNIT	<-----SAMPLING POINT----->				
		MW-1 UPGRADIENT WELL 03/25/86 03018	MW-2 DOWNGRADIENT WELL 03/21/86 03019	MW-3 DOWNGRADIENT WELL 03/21/86 03020	MW-4 DOWNGRADIENT WELL 03/21/86 03021	MW-6 DOWNGRADIENT WELL 03/21/86 03022
ARSENIC	MG/L	<0.001	N/A	N/A	N/A	N/A
BARIUM	MG/L	0.2	N/A	N/A	N/A	N/A
CADMIUM	MG/L	<0.01	N/A	N/A	N/A	N/A
CHROMIUM	MG/L	<0.01	N/A	N/A	N/A	N/A
FLUORIDE	MG/L	0.28	0.23	<0.02	0.34	INS
LEAD	MG/L	<0.01	<0.02	<0.02	N/A	INS
MERCURY	MG/L	<0.001	N/A	N/A	N/A	N/A
NITRATE	MG/L	4.6	N/A	N/A	2.0	N/A
SELENIUM	MG/L	<0.001	N/A	N/A	N/A	N/A
SILVER	MG/L	<0.01	N/A	<0.01	N/A	N/A
CHLORIDE	MG/L	13	34	15	26	10
IRON	MG/L	0.12	N/A	N/A	N/A	N/A
MANGANESE	MG/L	0.04	N/A	N/A	N/A	N/A
PHENOL	MG/L	<0.004	N/A	N/A	N/A	N/A
SODIUM	MG/L	8	8	N/A	16	INS
SULFATE	MG/L	122	236	138	89	INS
PH	SU	7.1	8.0	8.3	8.1	INS
PH	SU	7.6	INS	8.3	8.1	INS
PH	SU	7.6	INS	8.3	8.1	INS
PH	SU	7.6	INS	8.3	8.1	INS
SPECIFIC CONDUCTANCE	UMHOS/CM	1045	526	546	960	INS
SPECIFIC CONDUCTANCE	UMHOS/CM	1045	INS	552	973	INS
SPECIFIC CONDUCTANCE	UMHOS/CM	1046	INS	INS	973	INS
SPECIFIC CONDUCTANCE	UMHOS/CM	1047	INS	INS	973	INS
TOTAL ORGANIC CARBON	MG/L	91	N/A	34	45	INS
TOTAL ORGANIC CARBON	MG/L	90	N/A	N/A	N/A	N/A
TOTAL ORGANIC CARBON	MG/L	91	N/A	N/A	N/A	N/A
TOTAL ORGANIC CARBON	MG/L	91	N/A	N/A	N/A	N/A
TOTAL ORGANIC HALOGEN	MG/L	0.14	N/A	INS	0.015	INS
TOTAL ORGANIC HALOGEN	MG/L	0.154	N/A	N/A	N/A	N/A
TOTAL ORGANIC HALOGEN	MG/L	0.172	N/A	N/A	N/A	N/A
TOTAL ORGANIC HALOGEN	MG/L	0.156	N/A	N/A	N/A	N/A
GROUND WATER ELEVATION	FT MSL	455.85	424.82	420.16	418.90	421.64
CALCIUM	MG/L	133	34	27	103	INS
NICKEL	MG/L	<0.01	N/A	N/A	N/A	N/A
NITRITE	MG/L	<0.01	N/A	N/A	<0.01	N/A

SAMPLING ROUND SUMMARY (SRS) 03/23/92

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 86 ROUND NO. 02 PURPOSE: QUARTERLY

CLIENT : Philips DCC

FACILITY : SENECA FALLS

SITE : HAZARDOUS WASTE MANAGEMENT

LOCATION : SENECA FALLS, N.Y.

POINTS : < ALL >

PARAMETER	UNIT	<-----SAMPLING POINT----->				
		MW-12	MW-13	MW-14	MW-15	MW-16
		DOWNGRADIENT	DOWNGRADIENT	DOWNGRADIENT	DOWNGRADIENT	DOWNGRADIENT
		BEDRK/TILL	TILL	BEDROCK	BEDROCK	TILL
		03/25/86	03/21/86	03/21/86	03/21/86	03/21/86
		03023	03024	03025	03026	03027
ARSENIC	MG/L	N/A	<0.001	INS	INS	<0.001
BARIUM	MG/L	N/A	<0.1	INS	INS	0.1
CADMIUM	MG/L	N/A	<0.01	INS	INS	<0.01
CHROMIUM	MG/L	N/A	<0.01	INS	INS	<0.01
FLUORIDE	MG/L	1.1	0.78	INS	INS	0.34
LEAD	MG/L	<0.02	<0.01	INS	INS	<0.01
MERCURY	MG/L	N/A	<0.001	INS	INS	<0.001
NITRATE	MG/L	1.5	0.98	N/A	N/A	1.7
SELENIUM	MG/L	N/A	<0.001	INS	INS	<0.001
SILVER	MG/L	N/A	<0.01	INS	INS	<0.01
CHLORIDE	MG/L	800	14	12	10	5.0
IRON	MG/L	N/A	0.12	INS	INS	0.48
MANGANESE	MG/L	N/A	0.23	INS	INS	0.07
PHENOL	MG/L	<0.004	<0.004	N/A	N/A	<0.004
SODIUM	MG/L	690	220	INS	INS	5
SULFATE	MG/L	2247	2286	INS	INS	183
PH	SU	7.6	7.7	INS	8.0	7.7
PH	SU	7.6	7.7	INS	INS	7.7
PH	SU	7.6	7.8	INS	INS	7.7
PH	SU	7.6	7.8	INS	INS	7.8
SPECIFIC CONDUCTANCE	UMHOS/CM	6000	3421	INS	INS	697
SPECIFIC CONDUCTANCE	UMHOS/CM	6011	3463	INS	INS	704
SPECIFIC CONDUCTANCE	UMHOS/CM	6000	3421	INS	INS	697
SPECIFIC CONDUCTANCE	UMHOS/CM	6011	3452	INS	INS	696
TOTAL ORGANIC CARBON	MG/L	42	55	INS	INS	36
TOTAL ORGANIC CARBON	MG/L	39	55	N/A	N/A	36
TOTAL ORGANIC CARBON	MG/L	40	55	N/A	N/A	36
TOTAL ORGANIC CARBON	MG/L	42	54	N/A	N/A	36
TOTAL ORGANIC HALOGEN	MG/L	0.01	0.018	INS	INS	0.012
TOTAL ORGANIC HALOGEN	MG/L	0.014	0.018	N/A	N/A	0.014
TOTAL ORGANIC HALOGEN	MG/L	0.013	0.024	N/A	N/A	0.014
TOTAL ORGANIC HALOGEN	MG/L	0.011	0.023	N/A	N/A	0.013
GROUND WATER ELEVATION	FT MSL	N/A	421.31	N/A	N/A	424.01
CALCIUM	MG/L	353	375	INS	INS	132
NICKEL	MG/L	N/A	<0.01	INS	INS	<0.01
NITRITE	MG/L	0.010	<0.01	N/A	N/A	0.012

SAMPLING ROUND SUMMARY (SRS) 03/23/92

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 86 ROUND NO. 03 PURPOSE: QUARTERLY

CLIENT : Philips DCC
SITE : HAZARDOUS WASTE MANAGEMENT
POINTS : < ALL >

FACILITY : SENECA FALLS
LOCATION : SENECA FALLS, N.Y.

PARAMETER	UNIT	<-----SAMPLING POINT----->				
		MW-1 UPGRADIENT WELL 06/19/86 05845	MW-2 DOWNGRADIENT WELL 06/19/86 05846	MW-3 DOWNGRADIENT WELL 06/19/86 05847	MW-4 DOWNGRADIENT WELL 06/19/86 05848	MW-12 DOWNGRADIENT BEDRK/TILL 06/19/86 05850
BARIUM	MG/L	N/A	N/A	N/A	N/A	N/A
CADMIUM	MG/L	N/A	N/A	N/A	N/A	N/A
CHROMIUM	MG/L	N/A	N/A	N/A	N/A	N/A
FLUORIDE	MG/L	0.32	0.42	1.8	0.17	0.67
LEAD	MG/L	<0.01	<0.02	<0.02	<0.02	<0.01
MERCURY	MG/L	N/A	N/A	N/A	N/A	N/A
NITRATE	MG/L	N/A	N/A	N/A	N/A	N/A
SELENIUM	MG/L	N/A	N/A	N/A	N/A	N/A
SILVER	MG/L	N/A	N/A	N/A	N/A	N/A
CHLORIDE	MG/L	12	N/A	N/A	20	620
IRON	MG/L	N/A	N/A	N/A	N/A	N/A
MANGANESE	MG/L	N/A	N/A	N/A	N/A	N/A
PHENOL	MG/L	N/A	N/A	N/A	N/A	N/A
SODIUM	MG/L	8	9	14	17	600
SULFATE	MG/L	86	N/A	N/A	79	2410
PH	SU	7.1	N/A	N/A	7.2	7.2
SPECIFIC CONDUCTANCE	UMHOS/CM	1009	N/A	N/A	787	5675
TOTAL ORGANIC CARBON	MG/L	12	N/A	N/A	N/A	15
TOTAL ORGANIC CARBON	MG/L	N/A	N/A	N/A	N/A	14
TOTAL ORGANIC CARBON	MG/L	N/A	N/A	N/A	N/A	15
TOTAL ORGANIC CARBON	MG/L	N/A	N/A	N/A	N/A	14
TOTAL ORGANIC HALOGEN	MG/L	0.197	N/A	N/A	N/A	N/A
GROUND WATER ELEVATION	FT MSL	455.87	424.82	420.16	419.90	416.91
ALKALINITY TO M.O.	MG/L	N/A	N/A	N/A	N/A	226
CALCIUM	MG/L	139	44	41	39	575
NICKEL	MG/L	N/A	N/A	N/A	N/A	N/A

SAMPLING ROUND SUMMARY (SRS) 03/23/92

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 86 ROUND NO. 03 PURPOSE: QUARTERLY

CLIENT : Philips DCC
SITE : HAZARDOUS WASTE MANAGEMENT
POINTS : < ALL >

FACILITY : SENECA FALLS
LOCATION : SENECA FALLS, N.Y.

PARAMETER	UNIT	<-----SAMPLING POINT----->	
		MW-13 DOWNGRADIANT TILL 06/19/86 05851	MW-16 DOWNGRADIANT TILL 06/19/86 05854
BARIUM	MG/L	<0.01	0.11
CADMIUM	MG/L	<0.01	<0.01
CHROMIUM	MG/L	<0.01	<0.01
FLUORIDE	MG/L	0.64	0.18
LEAD	MG/L	<0.02	<0.02
MERCURY	MG/L	<0.002	<0.002
NITRATE	MG/L	0.04	0.27
SELENIUM	MG/L	<0.02	<0.02
SILVER	MG/L	<0.01	<0.01
CHLORIDE	MG/L	9	4
IRON	MG/L	2.4	0.40
MANGANESE	MG/L	0.32	0.02
PHENOL	MG/L	<0.004	<0.004
SODIUM	MG/L	200	4
SULFATE	MG/L	2180	107
PH	SU	7.4	7.1
SPECIFIC CONDUCTANCE	UMHOS/CM	3389	860
TOTAL ORGANIC CARBON	MG/L	8	12
TOTAL ORGANIC CARBON	MG/L	N/A	N/A
TOTAL ORGANIC CARBON	MG/L	N/A	N/A
TOTAL ORGANIC CARBON	MG/L	N/A	N/A
TOTAL ORGANIC HALOGEN	MG/L	0.012	0.009
GROUND WATER ELEVATION	FT MSL	421.41	424.12
ALKALINITY TO M.O.	MG/L	280	N/A
CALCIUM	MG/L	530	142
NICKEL	MG/L	0.02	<0.01

SAMPLING ROUND SUMMARY (SRS) 03/23/92

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 86 ROUND NO. 04 PURPOSE: ASSESSMENT

CLIENT : Philips DCC

FACILITY : SENECA FALLS

SITE : HAZARDOUS WASTE MANAGEMENT

LOCATION : SENECA FALLS, N.Y.

POINTS : < ALL >

PARAMETER	UNIT	<-----SAMPLING POINT----->				
		MW-4 DOWNGRA WELL 09/09/86 07970	MW-12 DOWNGRA BEDRK/TILL 09/09/86 07967	MW-13 DOWNGRA TILL 09/09/86 07968	MW-16 DOWNGRA TILL 09/09/86 07969	MW-1TOP UPGRA WELL 09/08/86 07966
CADMIUM	MG/L	<0.01	<0.01	<0.01	<0.01	<0.01
CHROMIUM	MG/L	0.01	<0.01	<0.01	<0.01	<0.01
FLUORIDE	MG/L	N/A	0.75	1.5	0.28	0.25
LEAD	MG/L	<0.02	<0.02	<0.02	<0.02	<0.02
CHLORIDE	MG/L	N/A	870	8.0	2	12
SODIUM	MG/L	35	670	158	7	8
SULFATE	MG/L	N/A	2321	2125	136	143
PH	SU	8.3	7.6	7.6	7.5	7.6
SPECIFIC CONDUCTANCE	UMHOS/CM	724	5912	3288	970	1085
TOTAL ORGANIC CARBON	MG/L	N/A	8	8	10	9
TOTAL ORGANIC HALOGEN	MG/L	N/A	<0.005	<0.005	<0.005	0.08
FIELD PH	SU	INS	6.96	6.52	6.7	6.65
FIELD SPECIFIC CONDUCTANCE	UMHOS/CM	INS	4000	800	2000	1000
TEMPERATURE	C	INS	12.7778	12.2222	13.8889	17.7778
GROUND WATER ELEVATION	FT MSL	418.90	417.01	421.54	424.02	453.51
ACROLEIN	MG/L	N/A	N/A	N/A	N/A	<0.005
ACRYLONITRILE	MG/L	N/A	N/A	N/A	N/A	<0.005
BENZENE	MG/L	N/A	N/A	N/A	N/A	<0.005
BROMOFORM	MG/L	N/A	N/A	N/A	N/A	<0.005
CARBON TETRACHLORIDE	MG/L	N/A	N/A	N/A	N/A	<0.005
CHLOROBENZENE	MG/L	N/A	N/A	N/A	N/A	<0.005
CHLORODIBROMOMETHANE	MG/L	N/A	N/A	N/A	N/A	<0.005
CHLOROETHANE	MG/L	N/A	N/A	N/A	N/A	<0.005
2-CHLOROETHYL VINYL ETHER	MG/L	N/A	N/A	N/A	N/A	<0.005
CHLOROFORM	MG/L	N/A	N/A	N/A	N/A	<0.005
DICHLOROBROMOMETHANE	MG/L	N/A	N/A	N/A	N/A	<0.005
1,1-DICHLOROETHANE	MG/L	N/A	N/A	N/A	N/A	0.023
1,2-DICHLOROETHANE	MG/L	N/A	N/A	N/A	N/A	<0.005
1,1-DICHLOROETHENE	MG/L	N/A	N/A	N/A	N/A	0.013
1,2-DICHLOROPROPANE	MG/L	N/A	N/A	N/A	N/A	<0.005
CIS-1,3-DICHLOROPROPENE	MG/L	N/A	N/A	N/A	N/A	<0.005
TRANS-1,3-DICHLOROPROPENE	MG/L	N/A	N/A	N/A	N/A	<0.005
ETHYLBENZENE	MG/L	N/A	N/A	N/A	N/A	<0.005
METHYL BROMIDE	MG/L	N/A	N/A	N/A	N/A	<0.005
METHYL CHLORIDE	MG/L	N/A	N/A	N/A	N/A	<0.005
METHYLENE CHLORIDE	MG/L	N/A	N/A	N/A	N/A	<0.005
1,1,2,2-TETRACHLOROETHANE	MG/L	N/A	N/A	N/A	N/A	<0.005
TETRACHLOROETHYLENE	MG/L	N/A	N/A	N/A	N/A	<0.005
TOLUENE	MG/L	N/A	N/A	N/A	N/A	<0.005
TRANS-1,2,-DICHLOROETHENE	MG/L	N/A	N/A	N/A	N/A	<0.005
1,1,1-TRICHLOROETHANE	MG/L	N/A	N/A	N/A	N/A	0.256
1,1,2-TRICHLOROETHANE	MG/L	N/A	N/A	N/A	N/A	<0.005
TRICHLOROETHYLENE	MG/L	N/A	N/A	N/A	N/A	<0.005

S A M P L I N G R O U N D S U M M A R Y (S R S) 03/23/92

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 86 ROUND NO. 04 PURPOSE: ASSESSMENT

CLIENT : Philips DCC

FACILITY : SENECA FALLS

SITE : HAZARDOUS WASTE MANAGEMENT

LOCATION : SENECA FALLS, N.Y.

POINTS : < ALL >

PARAMETER	UNIT	MW-4	MW-12	MW-13	MW-16	MW-1TOP
		DOWNGRA DIENT WELL 09/09/86 07970	DOWNGRA DIENT BEDRK/TILL 09/09/86 07967	DOWNGRA DIENT TILL 09/09/86 07968	DOWNGRA DIENT TILL 09/09/86 07969	UPGRA DIENT WELL 09/08/86 07966
VINYL CHLORIDE	MG/L	N/A	N/A	N/A	N/A	<0.005
CALCIUM	MG/L	45	598	580	142	130
MAGNESIUM	MG/L	39	156	114	55	78
ZINC	MG/L	0.04	0.03	0.04	0.02	0.02

SAMPLING ROUND SUMMARY (SRS) 03/23/92

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 86 ROUND NO. 04 PURPOSE: ASSESSMENT

CLIENT : Philips DCC

FACILITY : SENECA FALLS

SITE : HAZARDOUS WASTE MANAGEMENT

LOCATION : SENECA FALLS, N.Y.

POINTS : < ALL >

PARAMETER	UNIT	<-----SAMPLING POINT----->		
		MW-1BOTTOM UPGRADIENT TILL 09/08/86 07965	MW-8TOP UPGRADIENT WELL 09/08/86 07972	MW-8BOTTOM UPGRADIENT WELL 09/08/86 07971
CADMIUM	MG/L	N/A	N/A	N/A
CHROMIUM	MG/L	N/A	N/A	N/A
FLUORIDE	MG/L	N/A	N/A	N/A
LEAD	MG/L	N/A	N/A	N/A
CHLORIDE	MG/L	N/A	N/A	N/A
SODIUM	MG/L	N/A	N/A	N/A
SULFATE	MG/L	N/A	N/A	N/A
PH	SU	N/A	N/A	N/A
SPECIFIC CONDUCTANCE	UMHOS/CM	N/A	N/A	N/A
TOTAL ORGANIC CARBON	MG/L	N/A	N/A	N/A
TOTAL ORGANIC HALOGEN	MG/L	N/A	N/A	N/A
FIELD PH	SU	N/A	N/A	N/A
FIELD SPECIFIC CONDUCTANCE	UMHOS/CM	N/A	N/A	N/A
TEMPERATURE	C	N/A	N/A	N/A
GROUND WATER ELEVATION	FT MSL	N/A	N/A	N/A
ACROLEIN	MG/L	<0.005	<0.005	<0.005
ACRYLONITRILE	MG/L	<0.005	<0.005	<0.005
BENZENE	MG/L	<0.005	<0.005	<0.005
BROMOFORM	MG/L	<0.005	<0.005	<0.005
CARBON TETRACHLORIDE	MG/L	<0.005	<0.005	<0.005
CHLOROBENZENE	MG/L	<0.005	<0.005	<0.005
CHLORODIBROMOMETHANE	MG/L	<0.005	<0.005	<0.005
CHLOROETHANE	MG/L	<0.005	<0.005	<0.005
2-CHLOROETHYL VINYL ETHER	MG/L	<0.005	<0.005	<0.005
CHLOROFORM	MG/L	<0.005	<0.005	<0.005
DICHLOROBROMOMETHANE	MG/L	<0.005	<0.005	<0.005
1,1-DICHLOROETHANE	MG/L	0.024	<0.005	<0.005
1,2-DICHLOROETHANE	MG/L	<0.005	<0.005	<0.005
1,1-DICHLOROETHENE	MG/L	0.012	<0.005	<0.005
1,2-DICHLOROPROPANE	MG/L	<0.005	<0.005	<0.005
CIS-1,3-DICHLOROPROPENE	MG/L	<0.005	<0.005	<0.005
TRANS-1,3-DICHLOROPROPENE	MG/L	<0.005	<0.005	<0.005
ETHYLBENZENE	MG/L	<0.005	<0.005	<0.005
METHYL BROMIDE	MG/L	<0.005	<0.005	<0.005
METHYL CHLORIDE	MG/L	<0.005	<0.005	<0.005
METHYLENE CHLORIDE	MG/L	<0.005	<0.005	<0.005
1,1,2,2-TETRACHLOROETHANE	MG/L	<0.005	<0.005	<0.005
TETRACHLOROETHYLENE	MG/L	0.027	<0.005	<0.005
TOLUENE	MG/L	<0.005	<0.005	<0.005
TRANS-1,2,-DICHLOROETHENE	MG/L	<0.005	<0.005	<0.005
1,1,1-TRICHLOROETHANE	MG/L	0.418	0.021	0.017
1,1,2-TRICHLOROETHANE	MG/L	<0.005	<0.005	<0.005
TRICHLOROETHYLENE	MG/L	<0.005	<0.005	<0.005

S A M P L I N G R O U N D S U M M A R Y (S R S) 03/23/92

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 86 ROUND NO. 04 PURPOSE: ASSESSMENT

CLIENT : Philips DCC

FACILITY : SENECA FALLS

SITE : HAZARDOUS WASTE MANAGEMENT

LOCATION : SENECA FALLS, N.Y.

POINTS : < ALL >

PARAMETER	UNIT	MW-1BOTTOM UPGRADIENT TILL 09/08/86 07965	MW-8TOP UPGRADIENT WELL 09/08/86 07972	MW-8BOTTOM UPGRADIENT WELL 09/08/86 07971
VINYL CHLORIDE	MG/L	<0.005	<0.005	<0.005
CALCIUM	MG/L	N/A	N/A	N/A
MAGNESIUM	MG/L	N/A	N/A	N/A
ZINC	MG/L	N/A	N/A	N/A

SAMPLING ROUND SUMMARY (SRS) 03/23/92

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 86 ROUND NO. 05 PURPOSE: ASSESSMENT

CLIENT : Philips DCC

FACILITY : SENECA FALLS

SITE : HAZARDOUS WASTE MANAGEMENT

LOCATION : SENECA FALLS, N.Y.

POINTS : < ALL >

		<-----SAMPLING POINT----->	
		MW-13	MW-16
		DOWNGRADIENT	DOWNGRADIENT
		TILL	TILL
		09/22/86	09/22/86
		08222	08223
PARAMETER	UNIT		
CADMIUM	MG/L	<0.01	<0.01
CHROMIUM	MG/L	<0.01	<0.01
FLUORIDE	MG/L	0.62	0.31
LEAD	MG/L	0.03	<0.02
CHLORIDE	MG/L	8.0	6.0
SODIUM	MG/L	125	7
SULFATE	MG/L	1804	186
PH	SU	7.2	7.2
SPECIFIC CONDUCTANCE	UMHOS/CM	3068	962
TOTAL ORGANIC CARBON	MG/L	21	N/A
TOTAL ORGANIC HALOGEN	MG/L	0.021	N/A
FIELD PH	SU	6.24	5.0
FIELD SPECIFIC CONDUCTANCE	UMHOS/CM	1600	660
TEMPERATURE	C	13.8889	13.8889
GROUND WATER ELEVATION	FT MSL	421.54	424.02
CALCIUM	MG/L	613	152
MAGNESIUM	MG/L	117	57
ZINC	MG/L	0.03	0.03

SAMPLING ROUND SUMMARY (SRS) 03/23/92

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 86 ROUND NO. 06 PURPOSE: ASSESSMENT

CLIENT : Philips DCC

FACILITY : SENECA FALLS

SITE : HAZARDOUS WASTE MANAGEMENT

LOCATION : SENECA FALLS, N.Y.

POINTS : < ALL >

PARAMETER	UNIT	<-----SAMPLING POINT----->				
		MW-1 UPGRADIENT WELL 12/03/86 10262	MW-4 DOWNGRADIENT WELL 12/03/86 10266	MW-8 DOWNGRADIENT BEDROCK 12/03/86 10263	MW-12 DOWNGRADIENT BEDRK/TILL 12/03/86 10264	MW-13 DOWNGRADIENT TILL 12/03/86 10265
CADMIUM	MG/L	<0.01	<0.01	N/A	<0.01	<0.01
CHROMIUM	MG/L	<0.01	<0.01	N/A	<0.01	<0.01
FLUORIDE	MG/L	0.53	0.35	N/A	0.83	1.2
LEAD	MG/L	<0.01	<0.01	N/A	<0.01	<0.01
CHLORIDE	MG/L	11	18	N/A	832	7.0
SODIUM	MG/L	10	23	N/A	710	75
SULFATE	MG/L	81	71	N/A	1473	1295
PH	SU	7.3	7.5	N/A	7.3	7.2
SPECIFIC CONDUCTANCE	UMHOS/CM	1162	756	N/A	6090	2873
TOTAL ORGANIC CARBON	MG/L	11	11	N/A	12	8.5
TOTAL ORGANIC HALOGEN	MG/L	0.062	0.033	N/A	0.008	0.011
FIELD PH	SU	7.05	6.95	N/A	6.78	6.90
FIELD SPECIFIC CONDUCTANCE	UMHOS/CM	7.05	1300	N/A	200	400
FIELD SPECIFIC CONDUCTANCE	UMHOS/CM	1100	N/A	N/A	N/A	N/A
TEMPERATURE	C	12.2222	14.4444	N/A	12.2222	12.2222
GROUND WATER ELEVATION	FT MSL	454.82	418.97	N/A	417.04	421.63
ACROLEIN	MG/L	<0.005	N/A	<0.005	N/A	N/A
ACRYLONITRILE	MG/L	<0.005	N/A	<0.005	N/A	N/A
BENZENE	MG/L	<0.005	N/A	<0.005	N/A	N/A
BROMOFORM	MG/L	<0.005	N/A	<0.005	N/A	N/A
CARBON TETRACHLORIDE	MG/L	<0.005	N/A	<0.005	N/A	N/A
CHLOROBENZENE	MG/L	<0.005	N/A	<0.005	N/A	N/A
CHLORODIBROMOMETHANE	MG/L	<0.005	N/A	<0.005	N/A	N/A
CHLOROETHANE	MG/L	<0.005	N/A	<0.005	N/A	N/A
2-CHLOROETHYLVINYL ETHER	MG/L	<0.005	N/A	<0.005	N/A	N/A
CHLOROFORM	MG/L	0.0071	N/A	<0.005	N/A	N/A
DICHLOROBROMOMETHANE	MG/L	<0.005	N/A	<0.005	N/A	N/A
1,1-DICHLOROETHANE	MG/L	0.0064	N/A	<0.005	N/A	N/A
1,2-DICHLOROETHANE	MG/L	<0.005	N/A	<0.005	N/A	N/A
1,1-DICHLOROETHENE	MG/L	0.0064	N/A	<0.005	N/A	N/A
1,2-DICHLOROPROPANE	MG/L	<0.005	N/A	<0.005	N/A	N/A
CIS-1,3-DICHLOROPROPENE	MG/L	<0.005	N/A	<0.005	N/A	N/A
TRANS-1,3-DICHLOROPROPENE	MG/L	<0.005	N/A	<0.005	N/A	N/A
ETHYLBENZENE	MG/L	<0.005	N/A	<0.005	N/A	N/A
METHYL BROMIDE	MG/L	<0.005	N/A	<0.005	N/A	N/A
METHYL CHLORIDE	MG/L	<0.005	N/A	<0.005	N/A	N/A
METHYLENE CHLORIDE	MG/L	0.014	N/A	<0.005	N/A	N/A
1,1,2,2-TETRACHLOROETHANE	MG/L	<0.005	N/A	<0.005	N/A	N/A
TETRACHLOROETHYLENE	MG/L	<0.005	N/A	<0.005	N/A	N/A
TOLUENE	MG/L	<0.005	N/A	<0.005	N/A	N/A
TRANS-1,2,-DICHLOROETHENE	MG/L	<0.005	N/A	<0.005	N/A	N/A
1,1,1-TRICHLOROETHANE	MG/L	0.154	N/A	<0.005	N/A	N/A
1,1,2-TRICHLOROETHANE	MG/L	<0.005	N/A	<0.005	N/A	N/A

SAMPLING ROUND SUMMARY (SRS) 03/23/92

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 86 ROUND NO. 06 PURPOSE: ASSESSMENT

CLIENT : Philips DCC

FACILITY : SENECA FALLS

SITE : HAZARDOUS WASTE MANAGEMENT

LOCATION : SENECA FALLS, N.Y.

POINTS : < ALL >

PARAMETER	UNIT	MW-1	MW-4	MW-8	MW-12	MW-13
		UPGRADIENT	DOWNGRADIENT	DOWNGRADIENT	DOWNGRADIENT	DOWNGRADIENT
		WELL	WELL	BEDROCK	BEDRK/TILL	TILL
		12/03/86	12/03/86	12/03/86	12/03/86	12/03/86
		10262	10266	10263	10264	10265
TRICHLOROETHYLENE	MG/L	<0.005	N/A	<5	N/A	N/A
VINYL CHLORIDE	MG/L	<0.005	N/A	<0.005	N/A	N/A
CALCIUM	MG/L	137	40	N/A	588	642
MAGNESIUM	MG/L	78	33	N/A	158	109
ZINC	MG/L	<0.01	0.02	N/A	0.02	0.03

SAMPLING ROUND SUMMARY (SRS) 03/23/92

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 86 ROUND NO. 06 PURPOSE: ASSESSMENT

CLIENT : Philips DCC

FACILITY : SENECA FALLS

SITE : HAZARDOUS WASTE MANAGEMENT

LOCATION : SENECA FALLS, N.Y.

POINTS : < ALL >

<-----SAMPLING POINT----->

MW-16

DOWNGRAIENT

TILL

12/03/86

10267

PARAMETER	UNIT	
CADMIUM	MG/L	0.01
CHROMIUM	MG/L	<0.01
FLUORIDE	MG/L	1.1
LEAD	MG/L	<0.01
CHLORIDE	MG/L	2.0
SODIUM	MG/L	5
SULFATE	MG/L	97
PH	SU	7.3
SPECIFIC CONDUCTANCE	UMHOS/CM	962
TOTAL ORGANIC CARBON	MG/L	8.5
TOTAL ORGANIC HALOGEN	MG/L	0.01
FIELD PH	SU	6.95
FIELD SPECIFIC CONDUCTANCE	UMHOS/CM	1200
FIELD SPECIFIC CONDUCTANCE	UMHOS/CM	N/A
TEMPERATURE	C	13.3333
GROUND WATER ELEVATION	FT MSL	423.95
ACROLEIN	MG/L	N/A
ACRYLONITRILE	MG/L	N/A
BENZENE	MG/L	N/A
BROMOFORM	MG/L	N/A
CARBON TETRACHLORIDE	MG/L	N/A
CHLOROBENZENE	MG/L	N/A
CHLORODIBROMOMETHANE	MG/L	N/A
CHLOROETHANE	MG/L	N/A
2-CHLOROETHYL VINYL ETHER	MG/L	N/A
CHLOROFORM	MG/L	N/A
DICHLOROBROMOMETHANE	MG/L	N/A
1,1-DICHLOROETHANE	MG/L	N/A
1,2-DICHLOROETHANE	MG/L	N/A
1,1-DICHLOROETHENE	MG/L	N/A
1,2-DICHLOROPROPANE	MG/L	N/A
CIS-1,3-DICHLOROPROPENE	MG/L	N/A
TRANS-1,3-DICHLOROPROPENE	MG/L	N/A
ETHYLBENZENE	MG/L	N/A
METHYL BROMIDE	MG/L	N/A
METHYL CHLORIDE	MG/L	N/A
METHYLENE CHLORIDE	MG/L	N/A
1,1,2,2-TETRACHLOROETHANE	MG/L	N/A
TETRACHLOROETHYLENE	MG/L	N/A
TOLUENE	MG/L	N/A
TRANS-1,2,-DICHLOROETHENE	MG/L	N/A
1,1,1-TRICHLOROETHANE	MG/L	N/A
1,1,2-TRICHLOROETHANE	MG/L	N/A

S A M P L I N G R O U N D S U M M A R Y (S R S) 03/23/92

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 86 ROUND NO. 06 PURPOSE: ASSESSMENT

CLIENT : Philips DCC

FACILITY : SENECA FALLS

SITE : HAZARDOUS WASTE MANAGEMENT

LOCATION : SENECA FALLS, N.Y.

POINTS : < ALL >

MW-16

DOWNGRADIENT

TILL

12/03/86

10267

PARAMETER

UNIT

TRICHLOROETHYLENE

MG/L

N/A

VINYL CHLORIDE

MG/L

N/A

CALCIUM

MG/L

133

MAGNESIUM

MG/L

50

ZINC

MG/L

0.02

SAMPLING ROUND SUMMARY (SRS) FRI, FEB 26, 1988, 11:17 AM

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 87 ROUND NO. 02

CLIENT : Philips ECG, Inc.
SITE : HAZARDOUS WASTE MANAGEMENT

FACILITY : SENECA FALLS
LOCATION : SENECA FALLS, N.Y.

PARAMETER	UNIT	STANDARD	-----SAMPLING POINT-----				
			MW-1	MW-4	MW-8	MW-12	MW-13
		PRIMARY	UPGRADIENT	DOWNGRADIENT	DOWNGRADIENT	DOWNGRADIENT	UPGRADIENT
		DRINKING	WELL	WELL	BEDROCK	TILL	
		WATER	03/03/87	03/03/87	03/03/87	03/03/87	03/03/87
			01761	01762	01766	01763	01764
CADMIUM	MG/L	.01	<0.01	0.02	N/A	<0.01	<0.01
CHROMIUM	MG/L	.05	<0.01	0.03	N/A	<0.01	<0.01
FLUORIDE	MG/L	4	0.37	N/A	N/A	0.74	1.4
LEAD	MG/L	.05	<0.01	0.14	N/A	0.01	<0.01
CHLORIDE	MG/L		19	N/A	N/A	805	6.0
SODIUM	MG/L		8.0	16	N/A	500	60
SULFATE	MG/L		71	N/A	N/A	1350	1310
PH	SU		7.0	N/A	N/A	7.0	7.0
SPECIFIC CONDUCTANCE	UMHOS/CM		1090	N/A	N/A	5880	2890
TOTAL ORGANIC CARBON	MG/L		30	N/A	N/A	14	18
TOTAL ORGANIC HALOGEN	UG/L		140.	N/A	N/A	8.	8.
FIELD PH	SU		7.08	N/A	N/A	7.00	7.07
FIELD SPECIFIC CONDUCTANCE	UMHOS/CM		850	N/A	N/A	4500	2100
TEMPERATURE	C		9.4444	N/A	N/A	11.6667	11.6667
GROUND WATER ELEVATION	FT MSL		455.31	418.97	373.04	417.04	421.63
ACROLEIN	UG/L		<5	N/A	<5	N/A	N/A
ACRYLONITRILE	UG/L		<5	N/A	<5	N/A	N/A
BENZENE	UG/L		<5	N/A	<5	N/A	N/A
BROMOFORM	UG/L		<5	N/A	<5	N/A	N/A
CARBON TETRACHLORIDE	UG/L		<5	N/A	<5	N/A	N/A
CHLOROBENZENE	UG/L		<5	N/A	<5	N/A	N/A
CHLORODIBROMOMETHANE	UG/L		<5	N/A	<5	N/A	N/A
CHLOROETHANE	UG/L		<5	N/A	<5	N/A	N/A
2-CHLOROETHYL VINYL ETHER	UG/L		<5	N/A	<5	N/A	N/A
CHLOROFORM	UG/L		<5	N/A	<5	N/A	N/A
DICHLOROBROMOMETHANE	UG/L		<5	N/A	<5	N/A	N/A
1,1-DICHLOROETHANE	UG/L		16	N/A	<5	N/A	N/A
1,2-DICHLOROETHANE	UG/L		<5	N/A	<5	N/A	N/A
1,1-DICHLOROETHYLENE	UG/L		10	N/A	<5	N/A	N/A
1,2-DICHLOROPROPANE	UG/L		<5	N/A	<5	N/A	N/A
CIS-1,3-DICHLOROPROPENE	UG/L		<5	N/A	<5	N/A	N/A
TRANS-1,3-DICHLOROPROPENE	UG/L		<5	N/A	<5	N/A	N/A
ETHYLBENZENE	UG/L		<5	N/A	<5	N/A	N/A
METHYL BROMIDE	UG/L		<5	N/A	<5	N/A	N/A
METHYL CHLORIDE	UG/L		<5	N/A	<5	N/A	N/A
METHYLENE CHLORIDE	UG/L		<5	N/A	<5	N/A	N/A
1,1,2,2-TETRACHLOROETHANE	UG/L		<5	N/A	<5	N/A	N/A
TETRACHLOROETHYLENE	UG/L		<5	N/A	<5	N/A	N/A
TOLUENE	UG/L		<5	N/A	<5	N/A	N/A
1,2-TRANS-DICHLOROETHYLENE	UG/L		<5	N/A	<5	N/A	N/A
1,1,1-TRICHLOROETHANE	UG/L		253	N/A	<5	N/A	N/A
1,1,2-TRICHLOROETHANE	UG/L		<5	N/A	<5	N/A	N/A
TRICHLOROETHYLENE	UG/L		<5	N/A	<5	N/A	N/A
VINYL CHLORIDE	UG/L		<5	N/A	<5	N/A	N/A

S A M P L I N G R O U N D S U M M A R Y (SRS) FRI, FEB 26, 1988, 11:17 AM

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 87 ROUND NO. 02

CLIENT : Philips ECG, Inc.

FACILITY : SENECA FALLS

SITE : HAZARDOUS WASTE MANAGEMENT

LOCATION : SENECA FALLS, N.Y.

PARAMETER	UNIT	<-----S A M P L I N G P O I N T----->				
		MW-1	MW-4	MW-8	MW-12	MW-13
		PRIMARY	UPGRADIENT	DOWNGRADIENT	DOWNGRADIENT	DOWNGRADIENT
		DRINKING	WELL	WELL	BEDROCK	TILL
		WATER	03/03/87	03/03/87	03/03/87	03/03/87
STANDARD		01761	01762	01766	01763	01764
CALCIUM	MG/L	117	100	N/A	427	523
MAGNESIUM	MG/L	76	47	N/A	61	93
NICKEL	MG/L	<0.01	0.01	N/A	<0.01	<0.01
ZINC	MG/L	0.12	2.8	N/A	0.07	0.12

SAMPLING ROUND SUMMARY (SRS) FRI, FEB 26, 1988, 11:17 AM

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 87 ROUND NO. 02

CLIENT : Philips ECG, Inc.
SITE : HAZARDOUS WASTE MANAGEMENT

FACILITY : SENECA FALLS
LOCATION : SENECA FALLS, N.Y.

<-----SAMPLING POINT----->

PRIMARY MW-16
DRINKING DOWNGRADIENT
WATER TILL
STANDARD 03/03/87
01765

PARAMETER	UNIT	STANDARD	01765
CADMIUM	MG/L	.01	<0.01
CHROMIUM	MG/L	.05	<0.01
FLUORIDE	MG/L	4	0.13
LEAD	MG/L	.05	0.01
CHLORIDE	MG/L		3.0
SODIUM	MG/L		5.3
SULFATE	MG/L		71
PH	SU		7.0
SPECIFIC CONDUCTANCE	UMHOS/CM		887
TOTAL ORGANIC CARBON	MG/L		10
TOTAL ORGANIC HALOGEN	UG/L		<5.
FIELD PH	SU		7.05
FIELD SPECIFIC CONDUCTANCE	UMHOS/CM		640
TEMPERATURE	C		11.6667
GROUND WATER ELEVATION	FT MSL		423.95
ACROLEIN	UG/L		N/A
ACRYLONITRILE	UG/L		N/A
BENZENE	UG/L		N/A
BROMOFORM	UG/L		N/A
CARBON TETRACHLORIDE	UG/L		N/A
CHLOROBENZENE	UG/L		N/A
CHLORODIBROMOMETHANE	UG/L		N/A
CHLOROETHANE	UG/L		N/A
2-CHLOROETHYL VINYL ETHER	UG/L		N/A
CHLOROFORM	UG/L		N/A
DICHLOROBROMOMETHANE	UG/L		N/A
1,1-DICHLOROETHANE	UG/L		N/A
1,2-DICHLOROETHANE	UG/L		N/A
1,1-DICHLOROETHYLENE	UG/L		N/A
1,2-DICHLOROPROPANE	UG/L		N/A
CIS-1,3-DICHLOROPROPENE	UG/L		N/A
TRANS-1,3-DICHLOROPROPENE	UG/L		N/A
ETHYLBENZENE	UG/L		N/A
METHYL BROMIDE	UG/L		N/A
METHYL CHLORIDE	UG/L		N/A
METHYLENE CHLORIDE	UG/L		N/A
1,1,2,2-TETRACHLOROETHANE	UG/L		N/A
TETRACHLOROETHYLENE	UG/L		N/A
TOLUENE	UG/L		N/A
1,2-TRANS-DICHLOROETHYLENE	UG/L		N/A
1,1,1-TRICHLOROETHANE	UG/L		N/A
1,1,2-TRICHLOROETHANE	UG/L		N/A
TRICHLOROETHYLENE	UG/L		N/A
VINYL CHLORIDE	UG/L		N/A

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 87 ROUND NO. 02

CLIENT : Philips ECG, Inc.
SITE : HAZARDOUS WASTE MANAGEMENT

FACILITY : SENECA FALLS
LOCATION : SENECA FALLS, N.Y.

<-----S A M P L I N G P O I N T----->

MW-16
DOWNGRAIENT
TILL
03/03/87
01765

PARAMETER	UNIT	STANDARD
CALCIUM	MG/L	125
MAGNESIUM	MG/L	44
NICKEL	MG/L	<0.01
ZINC	MG/L	0.07

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 87 ROUND NO. 03CLIENT : Philips ECG, Inc.
SITE : HAZARDOUS WASTE MANAGEMENTFACILITY : SENECA FALLS
LOCATION : SENECA FALLS, N.Y.

PARAMETER	UNIT	STANDARD	-----S A M P L I N G P O I N T----->				
			PRIMARY UPGRADIENT WELL 06/03/87 06021	MW-4 DOWNGRADIENT WELL 06/03/87 000000	MW-8 DOWNGRADIENT BEDROCK 06/03/87 06025	MW-12 DOWNGRADIENT TILL 06/04/87 06022	MW-13 UPGRADIENT 06/03/87 06023
CADMIUM	MG/L	.01	<0.01	N/A	N/A	<0.01	<0.01
CHROMIUM	MG/L	.05	<0.01	N/A	N/A	0.01	<0.01
FLUORIDE	MG/L	4	0.87	N/A	N/A	1.4	1.1
LEAD	MG/L	.05	<0.02	N/A	N/A	<0.02	<0.02
CHLORIDE	MG/L		12	N/A	N/A	640	5.0
SODIUM	MG/L		10.2	N/A	N/A	660	51
SULFATE	MG/L		120	N/A	N/A	2040	1640
PH	SU		7.7	N/A	N/A	7.6	7.5
SPECIFIC CONDUCTANCE	UMHOS/CM		865	N/A	N/A	5320	2710
TOTAL ORGANIC CARBON	MG/L		4.8	N/A	N/A	5.3	4.8
TOTAL ORGANIC HALOGEN	UG/L		160.	N/A	N/A	11.	14.
FIELD PH	SU		6.59	N/A	N/A	7.13	6.65
FIELD SPECIFIC CONDUCTANCE	UMHOS/CM		800	N/A	N/A	5000	2200
TEMPERATURE	C		12.8	N/A	N/A	13.3	13.9
GROUND WATER ELEVATION	FT MSL		452.08	418.97	400.83	416.38	421.62
ACROLEIN	UG/L		<5	N/A	<5	N/A	N/A
ACRYLONITRILE	UG/L		<5	N/A	<5	N/A	N/A
BENZENE	UG/L		19	N/A	<5	N/A	N/A
BROMOFORM	UG/L		<5	N/A	<5	N/A	N/A
CARBON TETRACHLORIDE	UG/L		<5	N/A	<5	N/A	N/A
CHLOROBENZENE	UG/L		<5	N/A	<5	N/A	N/A
CHLORODIBROMOMETHANE	UG/L		<5	N/A	<5	N/A	N/A
CHLOROETHANE	UG/L		<5	N/A	<5	N/A	N/A
2-CHLOROETHYL VINYL ETHER	UG/L		<5	N/A	<5	N/A	N/A
CHLOROFORM	UG/L		<5	N/A	<5	N/A	N/A
DICHLOROBROMOMETHANE	UG/L		<5	N/A	<5	N/A	N/A
1,1-DICHLOROETHANE	UG/L		8.9	N/A	<5	N/A	N/A
1,2-DICHLOROETHANE	UG/L		<5	N/A	<5	N/A	N/A
1,1-DICHLOROETHYLENE	UG/L		<5	N/A	<5	N/A	N/A
1,2-DICHLOROPROPANE	UG/L		<5	N/A	<5	N/A	N/A
CIS-1,3-DICHLOROPROPENE	UG/L		<5	N/A	<5	N/A	N/A
TRANS-1,3-DICHLOROPROPENE	UG/L		<5	N/A	<5	N/A	N/A
ETHYLBENZENE	UG/L		<5	N/A	<5	N/A	N/A
METHYL BROMIDE	UG/L		<5	N/A	<5	N/A	N/A
METHYL CHLORIDE	UG/L		<5	N/A	<5	N/A	N/A
METHYLENE CHLORIDE	UG/L		127	N/A	<5	N/A	N/A
1,1,2,2-TETRACHLOROETHANE	UG/L		<5	N/A	<5	N/A	N/A
TETRACHLOROETHYLENE	UG/L		<5	N/A	<5	N/A	N/A
TOLUENE	UG/L		8.6	N/A	<5	N/A	N/A
1,2-TRANS-DICHLOROETHYLENE	UG/L		<5	N/A	<5	N/A	N/A
1,1,1-TRICHLOROETHANE	UG/L		66	N/A	<5	N/A	N/A
1,1,2-TRICHLOROETHANE	UG/L		<5	N/A	<5	N/A	N/A
TRICHLOROETHYLENE	UG/L		<5	N/A	<5	N/A	N/A
VINYL CHLORIDE	UG/L		<5	N/A	<5	N/A	N/A

S A M P L I N G R O U N D S U M M A R Y (SRS) MON, FEB 29, 1988, 10:44 AM

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 87 ROUND NO. 03

CLIENT : Philips ECG, Inc.
SITE : HAZARDOUS WASTE MANAGEMENT

FACILITY : SENECA FALLS
LOCATION : SENECA FALLS, N.Y.

PARAMETER	UNIT	STANDARD	<-----S A M P L I N G P O I N T----->				
			MW-1	MW-4	MW-8	MW-12	MW-13
		PRIMARY	UPGRADIENT	DOWNGRADIENT	DOWNGRADIENT	DOWNGRADIENT	UPGRADIENT
		DRINKING	WELL	WELL	BEDROCK	TILL	
		WATER	06/03/87	06/03/87	06/03/87	06/04/87	06/03/87
		06021	000000	06025	06022	06023	
CALCIUM	MG/L		123	N/A	N/A	575	577
MAGNESIUM	MG/L		80	N/A	N/A	143	96
NICKEL	MG/L		<0.01	N/A	N/A	<0.01	<0.01
ZINC	MG/L		0.04	N/A	N/A	0.04	0.03

SAMPLING ROUND SUMMARY (SRS) MON, FEB 29, 1988, 10:44 AM

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 87 ROUND NO. 03

CLIENT : Philips ECG, Inc.
SITE : HAZARDOUS WASTE MANAGEMENT

FACILITY : SENECA FALLS
LOCATION : SENECA FALLS, N.Y.

-----SAMPLING POINT----->

PRIMARY MW-16
DRINKING DOWNGRADIENT
WATER TILL
STANDARD 06/05/87
06024

PARAMETER	UNIT	STANDARD	06024
CADMIUM	MG/L	.01	<0.01
CHROMIUM	MG/L	.05	<0.01
FLUORIDE	MG/L	4	0.97
LEAD	MG/L	.05	<0.02
CHLORIDE	MG/L		2.0
SODIUM	MG/L		8.0
SULFATE	MG/L		127
PH	SU		7.8
SPECIFIC CONDUCTANCE	UMHOS/CM		729
TOTAL ORGANIC CARBON	MG/L		5.0
TOTAL ORGANIC HALOGEN	UG/L		17.
FIELD PH	SU		7.45
FIELD SPECIFIC CONDUCTANCE	UMHOS/CM		600
TEMPERATURE	C		13.3
GROUND WATER ELEVATION	FT MSL		423.72
ACROLEIN	UG/L		N/A
ACRYLONITRILE	UG/L		N/A
BENZENE	UG/L		N/A
BROMOFORM	UG/L		N/A
CARBON TETRACHLORIDE	UG/L		N/A
CHLOROBENZENE	UG/L		N/A
CHLORODIBROMOMETHANE	UG/L		N/A
CHLOROETHANE	UG/L		N/A
2-CHLOROETHYL VINYL ETHER	UG/L		N/A
CHLOROFORM	UG/L		N/A
DICHLOROBROMOMETHANE	UG/L		N/A
1,1-DICHLOROETHANE	UG/L		N/A
1,2-DICHLOROETHANE	UG/L		N/A
1,1-DICHLOROETHYLENE	UG/L		N/A
1,2-DICHLOROPROPANE	UG/L		N/A
CIS-1,3-DICHLOROPROPENE	UG/L		N/A
TRANS-1,3-DICHLOROPROPENE	UG/L		N/A
ETHYLBENZENE	UG/L		N/A
METHYL BROMIDE	UG/L		N/A
METHYL CHLORIDE	UG/L		N/A
METHYLENE CHLORIDE	UG/L		N/A
1,1,2,2-TETRACHLOROETHANE	UG/L		N/A
TETRACHLOROETHYLENE	UG/L		N/A
TOLUENE	UG/L		N/A
1,2-TRANS-DICHLOROETHYLENE	UG/L		N/A
1,1,1-TRICHLOROETHANE	UG/L		N/A
1,1,2-TRICHLOROETHANE	UG/L		N/A
TRICHLOROETHYLENE	UG/L		N/A
VINYL CHLORIDE	UG/L		N/A

S A M P L I N G R O U N D S U M M A R Y (SRS) MON, FEB 29, 1988, 10:44 AM

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 87 ROUND NO. 03

CLIENT : Philips ECG, Inc.

FACILITY : SENECA FALLS

SITE : HAZARDOUS WASTE MANAGEMENT

LOCATION : SENECA FALLS, N.Y.

<-----S A M P L I N G P O I N T----->

MW-16

PRIMARY DOWNGRAIENT

DRINKING TILL

WATER 06/05/87

STANDARD 06024

PARAMETER	UNIT	STANDARD
CALCIUM	MG/L	94
MAGNESIUM	MG/L	43
NICKEL	MG/L	<0.01
ZINC	MG/L	0.04

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 87 ROUND NO. 04

CLIENT : Philips ECG, Inc.

FACILITY : SENECA FALLS

SITE : HAZARDOUS WASTE MANAGEMENT

LOCATION : SENECA FALLS, N.Y.

PARAMETER	UNIT	STANDARD	<-----SAMPLING POINT----->				
			MW-1 UPGRADIENT DRINKING WATER 09/10/87 09671	MW-4 DOWNGRADIENT WELL 09/10/87 000000	MW-8 DOWNGRADIENT BEDROCK 09/10/87 09672	MW-12 DOWNGRADIENT TILL 09/11/87 09674	MW-13 UPGRADIENT 09/10/87 09673
CADMIUM	MG/L	.01	<0.01	N/A	N/A	<0.01	<0.01
CHROMIUM	MG/L	.05	<0.01	N/A	N/A	<0.01	<0.01
FLUORIDE	MG/L	4	0.44	N/A	N/A	0.49	0.84
LEAD	MG/L	.05	<0.02	N/A	N/A	0.02	<0.02
CHLORIDE	MG/L		11	N/A	N/A	840	3
SODIUM	MG/L		8.4	N/A	N/A	635	46
SULFATE	MG/L		118	N/A	N/A	2230	1720
PH	SU		7.8	N/A	N/A	7.5	7.5
SPECIFIC CONDUCTANCE	UMHOS/CM		773	N/A	N/A	5710	2660
TOTAL ORGANIC CARBON	MG/L		14	N/A	N/A	7.9	11
TOTAL ORGANIC HALOGEN	UG/L		35.	N/A	N/A	34.	19.
FIELD PH	SU		7.15	N/A	N/A	7.12	7.11
FIELD SPECIFIC CONDUCTANCE	UMHOS/CM		1000	N/A	N/A	4800	2600
TEMPERATURE	C		17.2	N/A	N/A	14.4	15.0
GROUND WATER ELEVATION	FT MSL		451.78	418.97	421.66	416.17	421.63
ACROLEIN	UG/L		<5	N/A	<5	N/A	N/A
ACRYLONITRILE	UG/L		<5	N/A	<5	N/A	N/A
BENZENE	UG/L		<5	N/A	<5	N/A	N/A
BROMOFORM	UG/L		<5	N/A	<5	N/A	N/A
CARBON TETRACHLORIDE	UG/L		<5	N/A	<5	N/A	N/A
CHLOROBENZENE	UG/L		<5	N/A	<5	N/A	N/A
CHLORODIBROMOMETHANE	UG/L		<5	N/A	<5	N/A	N/A
CHLOROETHANE	UG/L		<5	N/A	<5	N/A	N/A
2-CHLOROETHYL VINYL ETHER	UG/L		<5	N/A	<5	N/A	N/A
CHLOROFORM	UG/L		<5	N/A	10	N/A	N/A
DICHLOROBROMOMETHANE	UG/L		<5	N/A	<5	N/A	N/A
1,1-DICHLOROETHANE	UG/L		20	N/A	<5	N/A	N/A
1,2-DICHLOROETHANE	UG/L		<5	N/A	<5	N/A	N/A
1,1-DICHLOROETHYLENE	UG/L		7.5	N/A	<5	N/A	N/A
1,2-DICHLOROPROPANE	UG/L		<5	N/A	<5	N/A	N/A
CIS-1,3-DICHLOROPROPENE	UG/L		<5	N/A	<5	N/A	N/A
TRANS-1,3-DICHLOROPROPENE	UG/L		<5	N/A	<5	N/A	N/A
ETHYLBENZENE	UG/L		<5	N/A	<5	N/A	N/A
METHYL BROMIDE	UG/L		<5	N/A	<5	N/A	N/A
METHYL CHLORIDE	UG/L		<5	N/A	<5	N/A	N/A
METHYLENE CHLORIDE	UG/L		<5	N/A	<5	N/A	N/A
1,1,2,2-TETRACHLOROETHANE	UG/L		<5	N/A	<5	N/A	N/A
TETRACHLOROETHYLENE	UG/L		<5	N/A	<5	N/A	N/A
TOLUENE	UG/L		<5	N/A	<5	N/A	N/A
1,2-TRANS-DICHLOROETHYLENE	UG/L		<5	N/A	<5	N/A	N/A
1,1,1-TRICHLOROETHANE	UG/L		235	N/A	<5	N/A	N/A
1,1,2-TRICHLOROETHANE	UG/L		<5	N/A	<5	N/A	N/A
TRICHLOROETHYLENE	UG/L		<5	N/A	<5	N/A	N/A
VINYL CHLORIDE	UG/L		<5	N/A	<5	N/A	N/A

S A M P L I N G R O U N D S U M M A R Y (SRS) MON, FEB 29, 1988, 10:15 AM

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 87 ROUND NO. 04

CLIENT : Philips ECG, Inc.
SITE : HAZARDOUS WASTE MANAGEMENT

FACILITY : SENECA FALLS
LOCATION : SENECA FALLS, N.Y.

			<-----S A M P L I N G P O I N T----->					
			MW-1	MW-4	MW-8	MW-12	MW-13	
			PRIMARY	UPGRADIENT	DOWNGRADIENT	DOWNGRADIENT	DOWNGRADIENT	UPGRADIENT
			DRINKING	WELL	WELL	BEDROCK	TILL	
			WATER	09/10/87	09/10/87	09/10/87	09/11/87	09/10/87
PARAMETER	UNIT	STANDARD	09671	000000	09672	09674	09673	

CALCIUM	MG/L		133	N/A	N/A	605	580	
MAGNESIUM	MG/L		76	N/A	N/A	148	93	
NICKEL	MG/L		<0.01	N/A	N/A	<0.01	<0.01	
ZINC	MG/L		0.01	N/A	N/A	0.07	0.06	

SAMPLING ROUND SUMMARY (SRS) MON, FEB 29, 1988, 10:15 AM

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 87 ROUND NO. 04

CLIENT : Philips ECG, Inc.
SITE : HAZARDOUS WASTE MANAGEMENT

FACILITY : SENECA FALLS
LOCATION : SENECA FALLS, N.Y.

<-----SAMPLING POINT----->

MW-16
PRIMARY DOWNGRAIENT
DRINKING TILL
WATER 09/14/87
STANDARD 09675

PARAMETER	UNIT	STANDARD	09675
CADMIUM	MG/L	.01	<0.01
CHROMIUM	MG/L	.05	<0.01
FLUORIDE	MG/L	4	0.29
LEAD	MG/L	.05	<0.02
CHLORIDE	MG/L		3
SODIUM	MG/L		5.8
SULFATE	MG/L		100
PH	SU		7.6
SPECIFIC CONDUCTANCE	UMHOS/CM		797
TOTAL ORGANIC CARBON	MG/L		7.9
TOTAL ORGANIC HALOGEN	UG/L		34.
FIELD PH	SU		7.41
FIELD SPECIFIC CONDUCTANCE	UMHOS/CM		750
TEMPERATURE	C		N/A
GROUND WATER ELEVATION	FT MSL		423.70
ACROLEIN	UG/L		N/A
ACRYLONITRILE	UG/L		N/A
BENZENE	UG/L		N/A
BROMOFORM	UG/L		N/A
CARBON TETRACHLORIDE	UG/L		N/A
CHLOROBENZENE	UG/L		N/A
CHLORODIBROMOMETHANE	UG/L		N/A
CHLOROETHANE	UG/L		N/A
2-CHLOROETHYL VINYL ETHER	UG/L		N/A
CHLOROFORM	UG/L		N/A
DICHLOROBROMOMETHANE	UG/L		N/A
1,1-DICHLOROETHANE	UG/L		N/A
1,2-DICHLOROETHANE	UG/L		N/A
1,1-DICHLOROETHYLENE	UG/L		N/A
1,2-DICHLOROPROPANE	UG/L		N/A
CIS-1,3-DICHLOROPROPENE	UG/L		N/A
TRANS-1,3-DICHLOROPROPENE	UG/L		N/A
ETHYLBENZENE	UG/L		N/A
METHYL BROMIDE	UG/L		N/A
METHYL CHLORIDE	UG/L		N/A
METHYLENE CHLORIDE	UG/L		N/A
1,1,2,2-TETRACHLOROETHANE	UG/L		N/A
TETRACHLOROETHYLENE	UG/L		N/A
TOLUENE	UG/L		N/A
1,2-TRANS-DICHLOROETHYLENE	UG/L		N/A
1,1,1-TRICHLOROETHANE	UG/L		N/A
1,1,2-TRICHLOROETHANE	UG/L		N/A
TRICHLOROETHYLENE	UG/L		N/A
VINYL CHLORIDE	UG/L		N/A

S A M P L I N G R O U N D S U M M A R Y (SRS) MON, FEB 29, 1988, 10:15 AM

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 87 ROUND NO. 04

CLIENT : Philips ECG, Inc.
SITE : HAZARDOUS WASTE MANAGEMENT

FACILITY : SENECA FALLS
LOCATION : SENECA FALLS, N.Y.

<-----S A M P L I N G P O I N T----->

MW-16

PRIMARY DOWNGRAIENT

DRINKING TILL

WATER 09/14/87

STANDARD 09675

PARAMETER	UNIT	
CALCIUM	MG/L	132
MAGNESIUM	MG/L	47
NICKEL	MG/L	<0.01
ZINC	MG/L	0.05

SAMPLING ROUND SUMMARY (SRS)

FRI, FEB 26, 1988, 11:27 AM

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 87 ROUND NO. 05

CLIENT : Philips ECG, Inc.

FACILITY : SENECA FALLS

SITE : HAZARDOUS WASTE MANAGEMENT

LOCATION : SENECA FALLS, N.Y.

PARAMETER	UNIT	STANDARD	<-----SAMPLING POINT----->				
			MW-1 UPGRADIENT DRINKING WATER 10/29/87 11793	MW-8 DOWNGRADIENT BEDROCK 10/29/87 11794	MW-12 DOWNGRADIENT TILL 10/30/87 11796	MW-13 UPGRADIENT 10/29/87 11795	MW-16 DOWNGRADIENT TILL 10/30/87 11797
CADMIUM	MG/L	.01	<0.01	N/A	<0.01	<0.01	<0.01
CHROMIUM	MG/L	.05	<0.01	N/A	<0.01	<0.01	<0.01
FLUORIDE	MG/L	4	0.66	N/A	1.3	0.70	0.27
LEAD	MG/L	.05	<0.02	N/A	<0.02	<0.02	<0.02
CHLORIDE	MG/L		15	N/A	920	7	1
SODIUM	MG/L		10	N/A	655	42	5.0
SULFATE	MG/L		105	N/A	1723	1328	92
PH	SU		7.2	N/A	7.2	7.2	7.2
SPECIFIC CONDUCTANCE	UMHOS/CM		1030	N/A	5900	2690	852
TOTAL ORGANIC CARBON	MG/L		7.0	N/A	4.0	4.0	4.0
TOTAL ORGANIC HALOGEN	UG/L		110.	N/A	17.	9.	16.
FIELD PH	SU		7.04	N/A	7.02	7.02	6.91
FIELD SPECIFIC CONDUCTANCE	UMHOS/CM		900	N/A	4300	2000	710
TEMPERATURE	C		14.5	N/A	11	11	13
GROUND WATER ELEVATION	FT MSL		453.38	422.46	414.92	421.63	423.95
ACROLEIN	UG/L		<5	<5	N/A	N/A	N/A
ACRYLONITRILE	UG/L		<5	<5	N/A	N/A	N/A
BENZENE	UG/L		<5	<5	N/A	N/A	N/A
BROMOFORM	UG/L		<5	<5	N/A	N/A	N/A
CARBON TETRACHLORIDE	UG/L		<5	<5	N/A	N/A	N/A
CHLOROBENZENE	UG/L		<5	<5	N/A	N/A	N/A
CHLORODIBROMOMETHANE	UG/L		<5	<5	N/A	N/A	N/A
CHLOROETHANE	UG/L		<5	<5	N/A	N/A	N/A
2-CHLOROETHYL VINYL ETHER	UG/L		<5	<5	N/A	N/A	N/A
CHLOROFORM	UG/L		<5	<5	N/A	N/A	N/A
DICHLOROBROMOMETHANE	UG/L		<5	<5	N/A	N/A	N/A
1,1-DICHLOROETHANE	UG/L		20	<5	N/A	N/A	N/A
1,2-DICHLOROETHANE	UG/L		<5	<5	N/A	N/A	N/A
1,1-DICHLOROETHYLENE	UG/L		<5	<5	N/A	N/A	N/A
1,2-DICHLOROPROPANE	UG/L		<5	<5	N/A	N/A	N/A
CIS-1,3-DICHLOROPROPENE	UG/L		<5	<5	N/A	N/A	N/A
TRANS-1,3-DICHLOROPROPENE	UG/L		<5	<5	N/A	N/A	N/A
ETHYLBENZENE	UG/L		<5	<5	N/A	N/A	N/A
METHYL BROMIDE	UG/L		<5	<5	N/A	N/A	N/A
METHYL CHLORIDE	UG/L		<5	<5	N/A	N/A	N/A
METHYLENE CHLORIDE	UG/L		<5	<5	N/A	N/A	N/A
1,1,2,2-TETRACHLOROETHANE	UG/L		<5	<5	N/A	N/A	N/A
TETRACHLOROETHYLENE	UG/L		<5	<5	N/A	N/A	N/A
TOLUENE	UG/L		<5	<5	N/A	N/A	N/A
1,2-TRANS-DICHLOROETHYLENE	UG/L		16	<5	N/A	N/A	N/A
1,1,1-TRICHLOROETHANE	UG/L		217	<5	N/A	N/A	N/A
1,1,2-TRICHLOROETHANE	UG/L		<5	<5	N/A	N/A	N/A
TRICHLOROETHYLENE	UG/L		<5	<5	N/A	N/A	N/A
VINYL CHLORIDE	UG/L		<5	<5	N/A	N/A	N/A

S A M P L I N G R O U N D S U M M A R Y (SRS) FRI, FEB 26, 1988, 11:27 AM

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 87 ROUND NO. 05

CLIENT : Philips ECG, Inc.
SITE : HAZARDOUS WASTE MANAGEMENT

FACILITY : SENECA FALLS
LOCATION : SENECA FALLS, N.Y.

PARAMETER	UNIT	<-----S A M P L I N G P O I N T----->				
			MW-1	MW-8	MW-12	MW-13
		PRIMARY	UPGRADIENT	DOWNGRADIENT	DOWNGRADIENT	UPGRADIENT
		DRINKING	WELL	BEDROCK	TILL	TILL
		WATER	10/29/87	10/29/87	10/30/87	10/29/87
	STANDARD	11793	11794	11796	11795	11797
CALCIUM	MG/L	134	N/A	585	540	145
MAGNESIUM	MG/L	72	N/A	168	94	52
NICKEL	MG/L	<0.01	N/A	<0.01	<0.01	<0.01
ZINC	MG/L	0.03	N/A	0.05	0.08	0.05

SAMPLING ROUND SUMMARY (SRS) 03/23/92

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 88 ROUND NO. 01 PURPOSE: QUARTERLY

CLIENT : Philips DCC

FACILITY : SENECA FALLS

SITE : HAZARDOUS WASTE MANAGEMENT

LOCATION : SENECA FALLS, N.Y.

POINTS : < ALL >

PARAMETER	UNIT	<-----SAMPLING POINT----->				
		MW-1 UPGRADIENT WELL 02/17/88 02104	MW-8 DOWNGRADIENT BEDROCK 02/17/88 02105	MW-12 DOWNGRADIENT BEDRK/TILL 02/17/88 02107	MW-13 DOWNGRADIENT TILL 02/17/88 02106	MW-16 DOWNGRADIENT TILL 02/18/88 02108
CADMIUM	MG/L	<0.005	N/A	<0.005	<0.005	<0.005
CHROMIUM	MG/L	<0.01	N/A	<0.01	<0.01	<0.01
FLUORIDE	MG/L	0.45	N/A	0.87	1.0	0.70
LEAD	MG/L	<0.02	N/A	<0.02	<0.02	<0.02
CHLORIDE	MG/L	11	N/A	870	8	3
MANGANESE	MG/L	0.02	N/A	0.12	0.14	<0.01
SODIUM	MG/L	10	N/A	660	46	5.4
SULFATE	MG/L	114	N/A	1270	821	111
PH	SU	8.1	N/A	7.4	7.5	7.5
SPECIFIC CONDUCTANCE	UMHOS/CM	1130	N/A	5570	2730	908
TOTAL ORGANIC CARBON	MG/L	7.5	N/A	8.3	6.7	7.5
TOTAL ORGANIC HALOGEN	MG/L	0.14	N/A	0.007	<0.005	0.005
FIELD PH	SU	7.25	N/A	7.15	6.97	7.05
FIELD SPECIFIC CONDUCTANCE	UMHOS/CM	1000	N/A	N/A	1200	1000
GROUND WATER ELEVATION	FT MSL	454.49	422.56	416.42	421.69	423.98
ACROLEIN	MG/L	<0.005	<0.005	N/A	N/A	N/A
ACRYLONITRILE	MG/L	<0.005	<0.005	N/A	N/A	N/A
BENZENE	MG/L	<0.005	<0.005	N/A	N/A	N/A
BROMOFORM	MG/L	<0.005	<0.005	N/A	N/A	N/A
CARBON TETRACHLORIDE	MG/L	<0.005	<0.005	N/A	N/A	N/A
CHLOROBENZENE	MG/L	<0.005	<0.005	N/A	N/A	N/A
CHLORODIBROMOMETHANE	MG/L	<0.005	<0.005	N/A	N/A	N/A
CHLOROETHANE	MG/L	<0.005	<0.005	N/A	N/A	N/A
2-CHLOROETHYL VINYL ETHER	MG/L	<0.005	<0.005	N/A	N/A	N/A
CHLOROFORM	MG/L	<0.005	<0.005	N/A	N/A	N/A
DICHLOROBROMOMETHANE	MG/L	<0.005	<0.005	N/A	N/A	N/A
1,1-DICHLOROETHANE	MG/L	0.011	<0.005	N/A	N/A	N/A
1,2-DICHLOROETHANE	MG/L	<0.005	<0.005	N/A	N/A	N/A
1,1-DICHLOROETHENE	MG/L	<0.005	<0.005	N/A	N/A	N/A
1,2-DICHLOROPROPANE	MG/L	<0.005	<0.005	N/A	N/A	N/A
CIS-1,3-DICHLOROPROPENE	MG/L	<0.005	<0.005	N/A	N/A	N/A
TRANS-1,3-DICHLOROPROPENE	MG/L	<0.005	<0.005	N/A	N/A	N/A
ETHYLBENZENE	MG/L	<0.005	<0.005	N/A	N/A	N/A
METHYL BROMIDE	MG/L	<0.005	<0.005	N/A	N/A	N/A
METHYL CHLORIDE	MG/L	<0.005	<0.005	N/A	N/A	N/A
METHYLENE CHLORIDE	MG/L	<0.005	<0.005	N/A	N/A	N/A
1,1,2,2-TETRACHLOROETHANE	MG/L	<0.005	<0.005	N/A	N/A	N/A
TETRACHLOROETHYLENE	MG/L	<0.005	<0.005	N/A	N/A	N/A
TOLUENE	MG/L	<0.005	<0.005	N/A	N/A	N/A
TRANS-1,2,-DICHLOROETHENE	MG/L	<0.005	<0.005	N/A	N/A	N/A
1,1,1-TRICHLOROETHANE	MG/L	0.144	<0.005	N/A	N/A	N/A
1,1,2-TRICHLOROETHANE	MG/L	<0.005	<0.005	N/A	N/A	N/A
TRICHLOROETHYLENE	MG/L	<0.005	<0.005	N/A	N/A	N/A

SAMPLING ROUND SUMMARY (SRS) 03/23/92

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 88 ROUND NO. 01 PURPOSE: QUARTERLY

CLIENT : Philips DCC

FACILITY : SENECA FALLS

SITE : HAZARDOUS WASTE MANAGEMENT

LOCATION : SENECA FALLS, N.Y.

POINTS : < ALL >

PARAMETER	UNIT	MW-1	MW-8	MW-12	MW-13	MW-16
		UPGRADIENT WELL 02/17/88 02104	DOWNGRADIENT BEDROCK 02/17/88 02105	DOWNGRADIENT BEDRK/TILL 02/17/88 02107	DOWNGRADIENT TILL 02/17/88 02106	DOWNGRADIENT TILL 02/18/88 02108
VINYL CHLORIDE	MG/L	<0.005	<0.005	N/A	N/A	N/A
CALCIUM	MG/L	139	N/A	550	590	134
NICKEL	MG/L	<0.01	N/A	<0.01	<0.01	<0.01
ZINC	MG/L	0.03	N/A	0.04	0.10	0.03

SAMPLING ROUND SUMMARY (SRS) 03/23/92

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 88 ROUND NO. 02 PURPOSE: QUARTERLY

CLIENT : Philips DCC

FACILITY : SENECA FALLS

SITE : HAZARDOUS WASTE MANAGEMENT

LOCATION : SENECA FALLS, N.Y.

POINTS : < ALL >

PARAMETER	UNIT	<-----SAMPLING POINT----->				
		MW-1 UPGRADIENT WELL 05/17/88 05828	MW-8 DOWNGRADIENT BEDROCK 05/17/88 05829	MW-12 DOWNGRADIENT BEDRK/TILL 05/17/88 05831	MW-13 DOWNGRADIENT TILL 05/17/88 05830	MW-16 DOWNGRADIENT TILL 05/17/88 05832
CADMIUM	MG/L	<0.005	N/A	0.005	<0.005	<0.005
CHROMIUM	MG/L	<0.01	N/A	<0.01	<0.01	<0.01
FLUORIDE	MG/L	0.09	N/A	0.55	0.65	0.03
LEAD	MG/L	<0.02	N/A	<0.02	<0.02	<0.02
CHLORIDE	MG/L	8.0	N/A	670	5.0	1.0
MANGANESE	MG/L	0.09	N/A	0.07	0.14	<0.01
SODIUM	MG/L	9.7	N/A	505	42	10
SULFATE	MG/L	111	N/A	2170	1500	119
PH	SU	7.4	N/A	7.2	7.2	7.3
SPECIFIC CONDUCTANCE	UMHOS/CM	1060	N/A	5270	2690	899
TOTAL ORGANIC CARBON	MG/L	5.4	N/A	4.6	5.4	5.0
TOTAL ORGANIC HALOGEN	MG/L	0.17	N/A	0.021	0.046	0.033
FIELD PH	SU	6.9	6.0	7.2	6.9	6.0
FIELD SPECIFIC CONDUCTANCE	UMHOS/CM	880	2400	3000	1600	2400
TEMPERATURE	C	10	10	12	11	10
GROUND WATER ELEVATION	FT MSL	453.24	422.56	416.51	421.64	424.41
ACROLEIN	MG/L	<0.005	<0.005	N/A	<0.005	N/A
ACRYLONITRILE	MG/L	<0.005	<0.005	N/A	<0.005	N/A
BENZENE	MG/L	<0.005	<0.005	N/A	<0.005	N/A
BROMOFORM	MG/L	<0.005	<0.005	N/A	<0.005	N/A
CARBON TETRACHLORIDE	MG/L	<0.005	<0.005	N/A	<0.005	N/A
CHLOROBENZENE	MG/L	<0.005	<0.005	N/A	<0.005	N/A
CHLORODIBROMOMETHANE	MG/L	<0.005	<0.005	N/A	<0.005	N/A
CHLOROETHANE	MG/L	<0.005	<0.005	N/A	<0.005	N/A
2-CHLOROETHYL VINYL ETHER	MG/L	<0.005	<0.005	N/A	<0.005	N/A
CHLOROFORM	MG/L	<0.005	<0.005	N/A	<0.005	N/A
DICHLOROBROMOMETHANE	MG/L	<0.005	<0.005	N/A	<0.005	N/A
1,1-DICHLOROETHANE	MG/L	0.024	<0.005	N/A	<0.005	N/A
1,2-DICHLOROETHANE	MG/L	<0.005	<0.005	N/A	<0.005	N/A
1,1-DICHLOROETHENE	MG/L	0.0096	<0.005	N/A	<0.005	N/A
1,2-DICHLOROPROPANE	MG/L	<0.005	<0.005	N/A	<0.005	N/A
CIS-1,3-DICHLOROPROPENE	MG/L	<0.005	<0.005	N/A	<0.005	N/A
TRANS-1,3-DICHLOROPROPENE	MG/L	<0.005	<0.005	N/A	<0.005	N/A
ETHYLBENZENE	MG/L	<0.005	<0.005	N/A	<0.005	N/A
METHYL BROMIDE	MG/L	<0.005	<0.005	N/A	<0.005	N/A
METHYL CHLORIDE	MG/L	<0.005	<0.005	N/A	<0.005	N/A
METHYLENE CHLORIDE	MG/L	<0.005	<0.005	N/A	<0.005	N/A
1,1,2,2-TETRACHLOROETHANE	MG/L	<0.005	<0.005	N/A	<0.005	N/A
TETRACHLOROETHYLENE	MG/L	<0.005	<0.005	N/A	<0.005	N/A
TOLUENE	MG/L	<0.005	<0.005	N/A	<0.005	N/A
TRANS-1,2,-DICHLOROETHENE	MG/L	<0.005	<0.005	N/A	<0.005	N/A
1,1,1-TRICHLOROETHANE	MG/L	0.235	<0.005	N/A	<0.005	N/A
1,1,2-TRICHLOROETHANE	MG/L	<0.005	<0.005	N/A	<0.005	N/A

SAMPLING ROUND SUMMARY (SRS) 03/23/92

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 88 ROUND NO. 02 PURPOSE: QUARTERLY

CLIENT : Philips DCC

FACILITY : SENECA FALLS

SITE : HAZARDOUS WASTE MANAGEMENT

LOCATION : SENECA FALLS, N.Y.

POINTS : < ALL >

PARAMETER	UNIT	MW-1	MW-8	MW-12	MW-13	MW-16
		UPGRADIENT	DOWNGRADIENT	DOWNGRADIENT	DOWNGRADIENT	DOWNGRADIENT
		WELL	BEDROCK	BEDRK/TILL	TILL	TILL
		05/17/88	05/17/88	05/17/88	05/17/88	05/17/88
		05828	05829	05831	05830	05832
TRICHLOROETHYLENE	MG/L	<0.005	<0.005	N/A	<0.005	N/A
VINYL CHLORIDE	MG/L	<0.005	<0.005	N/A	<0.005	N/A
CALCIUM	MG/L	306	N/A	354	300	60
NICKEL	MG/L	<0.01	N/A	<0.01	<0.01	<0.01
ZINC	MG/L	<0.01	N/A	0.01	<0.01	<0.01

SAMPLING ROUND SUMMARY (SRS) 03/23/92

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 88 ROUND NO. 02 PURPOSE: QUARTERLY

CLIENT : Philips DCC
SITE : HAZARDOUS WASTE MANAGEMENT
POINTS : < ALL >

FACILITY : SENECA FALLS
LOCATION : SENECA FALLS, N.Y.

<-----SAMPLING POINT----->

TRIP BLANK

GRAB
05/15/88
05827

PARAMETER	UNIT	
CADMIUM	MG/L	<0.005
CHROMIUM	MG/L	<0.01
FLUORIDE	MG/L	<0.01
LEAD	MG/L	<0.02
CHLORIDE	MG/L	<1
MANGANESE	MG/L	<0.01
SODIUM	MG/L	0.15
SULFATE	MG/L	<1
PH	SU	6.2
SPECIFIC CONDUCTANCE	UMHOS/CM	3
TOTAL ORGANIC CARBON	MG/L	4.6
TOTAL ORGANIC HALOGEN	MG/L	0.13
FIELD PH	SU	N/A
FIELD SPECIFIC CONDUCTANCE	UMHOS/CM	N/A
TEMPERATURE	C	N/A
GROUND WATER ELEVATION	FT MSL	N/A
ACROLEIN	MG/L	<0.005
ACRYLONITRILE	MG/L	<0.005
BENZENE	MG/L	<0.005
BROMOFORM	MG/L	<0.005
CARBON TETRACHLORIDE	MG/L	<0.005
CHLOROBENZENE	MG/L	<0.005
CHLORODIBROMOMETHANE	MG/L	<0.005
CHLOROETHANE	MG/L	<0.005
2-CHLOROETHYL VINYL ETHER	MG/L	<0.005
CHLOROFORM	MG/L	<0.005
DICHLOROBROMOMETHANE	MG/L	<0.005
1,1-DICHLOROETHANE	MG/L	<0.005
1,2-DICHLOROETHANE	MG/L	<0.005
1,1-DICHLOROETHENE	MG/L	<0.005
1,2-DICHLOROPROPANE	MG/L	<0.005
CIS-1,3-DICHLOROPROPENE	MG/L	<0.005
TRANS-1,3-DICHLOROPROPENE	MG/L	<0.005
ETHYLBENZENE	MG/L	<0.005
METHYL BROMIDE	MG/L	<0.005
METHYL CHLORIDE	MG/L	<0.005
METHYLENE CHLORIDE	MG/L	<0.005
1,1,2,2-TETRACHLOROETHANE	MG/L	<0.005
TETRACHLOROETHYLENE	MG/L	<0.005
TOLUENE	MG/L	<0.005
TRANS-1,2,-DICHLOROETHENE	MG/L	<0.005
1,1,1-TRICHLOROETHANE	MG/L	<0.005
1,1,2-TRICHLOROETHANE	MG/L	<0.005

S A M P L I N G R O U N D S U M M A R Y (SRS) 03/23/92

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 88 ROUND NO. 02 PURPOSE: QUARTERLY

CLIENT : Philips DCC

FACILITY : SENECA FALLS

SITE : HAZARDOUS WASTE MANAGEMENT

LOCATION : SENECA FALLS, N.Y.

POINTS : < ALL >

TRIP BLANK

GRAB

05/15/88

05827

PARAMETER

UNIT

TRICHLOROETHYLENE

MG/L

<0.005

VINYL CHLORIDE

MG/L

<0.005

CALCIUM

MG/L

0.02

NICKEL

MG/L

<0.01

ZINC

MG/L

<0.01

SAMPLING ROUND SUMMARY (SRS) 03/23/92

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 88 ROUND NO. 03 PURPOSE: QUARTERLY

CLIENT : Philips DCC

FACILITY : SENECA FALLS

SITE : HAZARDOUS WASTE MANAGEMENT

LOCATION : SENECA FALLS, N.Y.

POINTS : < ALL >

PARAMETER	UNIT	<-----SAMPLING POINT----->				
		MW-1	MW-8	MW-12	MW-13	MW-16
		UPGRADIENT	DOWNGRADIENT	DOWNGRADIENT	DOWNGRADIENT	DOWNGRADIENT
		WELL	BEDROCK	BEDRK/TILL	TILL	TILL
		08/09/88	08/09/88	08/09/88	08/09/88	08/09/88
		09895	09896	09898	09899	09897
CADMIUM	MG/L	<0.01	<0.01	<0.01	<0.01	N/A
CHROMIUM	MG/L	<0.01	<0.01	0.01	<0.01	N/A
FLUORIDE	MG/L	0.30	1.2	2.3	0.74	N/A
LEAD	MG/L	<0.02	<0.02	<0.02	<0.02	N/A
CHLORIDE	MG/L	12	260	970	<0.1	N/A
MANGANESE	MG/L	<0.01	0.02	0.12	0.11	N/A
SODIUM	MG/L	8.7	190	640	38	N/A
SULFATE	MG/L	110	1880	2410	1690	N/A
PH	SU	7.0	7.1	N/A	7.2	N/A
SPECIFIC CONDUCTANCE	UMHOS/CM	1230	3580	6060	2690	N/A
TOTAL ORGANIC CARBON	MG/L	5.0	4.2	3.3	6.7	N/A
TOTAL ORGANIC HALOGEN	MG/L	0.16	0.039	0.057	0.022	N/A
FIELD PH	SU	6.3	7.0	7.1	6.9	N/A
FIELD SPECIFIC CONDUCTANCE	UMHOS/CM	760	2800	4600	2000	N/A
GROUND WATER ELEVATION	FT MSL	452.64	391.66	414.67	421.63	423.60
ACROLEIN	MG/L	<0.005	<0.005	<0.005	<0.005	<0.005
ACRYLONITRILE	MG/L	<0.005	<0.005	<0.005	<0.005	<0.005
BENZENE	MG/L	<0.005	<0.005	<0.005	<0.005	0.0057
BROMOFORM	MG/L	<0.005	<0.005	<0.005	<0.005	<0.005
CARBON TETRACHLORIDE	MG/L	<0.005	<0.005	<0.005	<0.005	<0.005
CHLOROBENZENE	MG/L	<0.005	<0.005	<0.005	<0.005	<0.005
CHLORODIBROMOMETHANE	MG/L	<0.005	<0.005	<0.005	<0.005	<0.005
CHLOROETHANE	MG/L	<0.005	<0.005	<0.005	<0.005	<0.005
2-CHLOROETHYL VINYL ETHER	MG/L	<0.005	<0.005	<0.005	<0.005	<0.005
CHLOROFORM	MG/L	<0.005	<0.005	<0.005	<0.005	<0.005
DICHLOROBROMOMETHANE	MG/L	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-DICHLOROETHANE	MG/L	0.018	<0.005	<0.005	<0.005	<0.005
1,2-DICHLOROETHANE	MG/L	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-DICHLOROETHENE	MG/L	0.0098	<0.005	<0.005	<0.005	<0.005
1,2-DICHLOROPROPANE	MG/L	<0.005	<0.005	<0.005	<0.005	<0.005
CIS-1,3-DICHLOROPROPENE	MG/L	<0.005	<0.005	<0.005	<0.005	<0.005
TRANS-1,3-DICHLOROPROPENE	MG/L	<0.005	<0.005	<0.005	<0.005	<0.005
ETHYLBENZENE	MG/L	<0.005	<0.005	<0.005	<0.005	<0.005
METHYL BROMIDE	MG/L	<0.005	<0.005	<0.005	<0.005	<0.005
METHYL CHLORIDE	MG/L	<0.005	<0.005	<0.005	<0.005	<0.005
METHYLENE CHLORIDE	MG/L	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,2,2-TETRACHLOROETHANE	MG/L	<0.005	<0.005	<0.005	<0.005	<0.005
TETRACHLOROETHYLENE	MG/L	<0.005	<0.005	<0.005	<0.005	<0.005
TOLUENE	MG/L	<0.005	<0.005	<0.005	<0.005	<0.005
TRANS-1,2,-DICHLOROETHENE	MG/L	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,1-TRICHLOROETHANE	MG/L	0.18	<0.005	<0.005	<0.005	<0.005
1,1,2-TRICHLOROETHANE	MG/L	<0.005	<0.005	<0.005	<0.005	<0.005
TRICHLOROETHYLENE	MG/L	<0.005	<0.005	<0.005	<0.005	<0.005

SAMPLING ROUND SUMMARY (SRS) 03/23/92

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 88 ROUND NO. 03 PURPOSE: QUARTERLY

CLIENT : Philips DCC
SITE : HAZARDOUS WASTE MANAGEMENT
POINTS : < ALL >

FACILITY : SENECA FALLS
LOCATION : SENECA FALLS, N.Y.

PARAMETER	UNIT	MW-1	MW-8	MW-12	MW-13	MW-16
		UPGRADIENT WELL 08/09/88 09895	DOWNGRADIENT BEDROCK 08/09/88 09896	DOWNGRADIENT BEDRK/TILL 08/09/88 09898	DOWNGRADIENT TILL 08/09/88 09899	DOWNGRADIENT TILL 08/09/88 09897
VINYL CHLORIDE	MG/L	<0.005	<0.005	<0.005	<0.005	<0.005
CALCIUM	MG/L	145	570	605	565	N/A
NICKEL	MG/L	<0.01	<0.01	<0.01	<0.01	N/A
ZINC	MG/L	0.06	0.05	0.05	0.02	N/A

SAMPLING ROUND SUMMARY (SRS) 03/23/92

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
 FOR YEAR 88 ROUND NO. 03 PURPOSE: QUARTERLY

CLIENT : Philips DCC
 SITE : HAZARDOUS WASTE MANAGEMENT
 POINTS : < ALL >

FACILITY : SENECA FALLS
 LOCATION : SENECA FALLS, N.Y.

<-----SAMPLING POINT----->

TRIP BLANK

GRAB
 08/09/88
 09894

PARAMETER	UNIT	
CADMIUM	MG/L	<0.01
CHROMIUM	MG/L	<0.01
FLUORIDE	MG/L	0.01
LEAD	MG/L	<0.02
CHLORIDE	MG/L	<0.1
MANGANESE	MG/L	<0.01
SODIUM	MG/L	0.30
SULFATE	MG/L	<1
PH	SU	7.8
SPECIFIC CONDUCTANCE	UMHOS/CM	43
TOTAL ORGANIC CARBON	MG/L	2.5
TOTAL ORGANIC HALOGEN	MG/L	0.036
FIELD PH	SU	N/A
FIELD SPECIFIC CONDUCTANCE	UMHOS/CM	N/A
GROUND WATER ELEVATION	FT MSL	N/A
ACROLEIN	MG/L	<0.005
ACRYLONITRILE	MG/L	<0.005
BENZENE	MG/L	<0.005
BROMOFORM	MG/L	<0.005
CARBON TETRACHLORIDE	MG/L	<0.005
CHLOROBENZENE	MG/L	<0.005
CHLORODIBROMOMETHANE	MG/L	<0.005
CHLOROETHANE	MG/L	<0.005
2-CHLOROETHYL VINYL ETHER	MG/L	<0.005
CHLOROFORM	MG/L	<0.005
DICHLOROBROMOMETHANE	MG/L	<0.005
1,1-DICHLOROETHANE	MG/L	<0.005
1,2-DICHLOROETHANE	MG/L	<0.005
1,1-DICHLOROETHENE	MG/L	<0.005
1,2-DICHLOROPROPANE	MG/L	<0.005
CIS-1,3-DICHLOROPROPENE	MG/L	<0.005
TRANS-1,3-DICHLOROPROPENE	MG/L	<0.005
ETHYLBENZENE	MG/L	<0.005
METHYL BROMIDE	MG/L	<0.005
METHYL CHLORIDE	MG/L	<0.005
METHYLENE CHLORIDE	MG/L	0.018
1,1,2,2-TETRACHLOROETHANE	MG/L	<0.005
TETRACHLOROETHYLENE	MG/L	<0.005
TOLUENE	MG/L	<0.005
TRANS-1,2,-DICHLOROETHENE	MG/L	<0.005
1,1,1-TRICHLOROETHANE	MG/L	<0.005
1,1,2-TRICHLOROETHANE	MG/L	<0.005
TRICHLOROETHYLENE	MG/L	<0.005

S A M P L I N G R O U N D S U M M A R Y (S R S) 03/23/92

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 88 ROUND NO. 03 PURPOSE: QUARTERLY

CLIENT : Philips DCC

FACILITY : SENECA FALLS

SITE : HAZARDOUS WASTE MANAGEMENT

LOCATION : SENECA FALLS, N.Y.

POINTS : < ALL >

TRIP BLANK

GRAB

08/09/88

09894

PARAMETER

UNIT

VINYL CHLORIDE

MG/L

<0.005

CALCIUM

MG/L

5.6

NICKEL

MG/L

<0.01

ZINC

MG/L

0.03

SAMPLING ROUND SUMMARY (SRS) 03/23/92

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 88 ROUND NO. 04 PURPOSE: QUARTERLY

CLIENT : Philips DCC
SITE : HAZARDOUS WASTE MANAGEMENT
POINTS : < ALL >

FACILITY : SENECA FALLS
LOCATION : SENECA FALLS, N.Y.

		<-----SAMPLING POINT----->				
		MW-1	MW-8	MW-12	MW-13	MW-16
		UPGRADIENT	DOWNGRADIENT	DOWNGRADIENT	DOWNGRADIENT	DOWNGRADIENT
		WELL	BEDROCK	BEDRK/TILL	TILL	TILL
		11/02/88	11/02/88	11/02/88	11/02/88	11/02/88
PARAMETER	UNIT	13052	13053	13055	13054	13056
CADMIUM	MG/L	<0.005	N/A	0.02	<0.005	<0.005
CHROMIUM	MG/L	<0.01	N/A	<0.01	<0.01	<0.01
FLUORIDE	MG/L	1.2	N/A	1.4	2.2	0.36
LEAD	MG/L	0.015	N/A	0.05	0.03	<0.02
CHLORIDE	MG/L	9.0	N/A	1030	7.0	6.0
MANGANESE	MG/L	<0.01	N/A	0.09	0.11	<0.01
SODIUM	MG/L	8.5	N/A	770	40	6.4
SULFATE	MG/L	46	N/A	754	1170	60
PH	SU	7.5	N/A	7.5	7.3	7.8
SPECIFIC CONDUCTANCE	UMHOS/CM	1160	N/A	6230	2680	716
TOTAL ORGANIC CARBON	MG/L	4	N/A	4	2	7
TOTAL ORGANIC HALOGEN	MG/L	0.13	N/A	0.031	<0.005	0.027
FIELD PH	SU	6.9	7.2	6.9	6.9	7.1
FIELD SPECIFIC CONDUCTANCE	UMHOS/CM	1150	3000	5900	2600	760
TEMPERATURE	C	12	12	11	11	12
GROUND WATER ELEVATION	FT MSL	451.98	396.34	415.43	421.63	423.63
ACROLEIN	MG/L	<0.005	<0.005	N/A	N/A	N/A
ACRYLONITRILE	MG/L	<0.005	<0.005	N/A	N/A	N/A
BENZENE	MG/L	<0.005	<0.005	N/A	N/A	N/A
BROMOFORM	MG/L	<0.005	<0.005	N/A	N/A	N/A
CARBON TETRACHLORIDE	MG/L	<0.005	<0.005	N/A	N/A	N/A
CHLOROBENZENE	MG/L	<0.005	<0.005	N/A	N/A	N/A
CHLORODIBROMOMETHANE	MG/L	<0.005	<0.005	N/A	N/A	N/A
CHLOROETHANE	MG/L	<0.005	<0.005	N/A	N/A	N/A
2-CHLOROETHYL VINYL ETHER	MG/L	<0.005	<0.005	N/A	N/A	N/A
CHLOROFORM	MG/L	<0.005	<0.005	N/A	N/A	N/A
DICHLOROBROMOMETHANE	MG/L	<0.005	<0.005	N/A	N/A	N/A
1,1-DICHLOROETHANE	MG/L	0.02	<0.005	N/A	N/A	N/A
1,2-DICHLOROETHANE	MG/L	<0.005	<0.005	N/A	N/A	N/A
1,1-DICHLOROETHENE	MG/L	0.014	<0.005	N/A	N/A	N/A
1,2-DICHLOROPROPANE	MG/L	<0.005	<0.005	N/A	N/A	N/A
CIS-1,3-DICHLOROPROPENE	MG/L	<0.005	<0.005	N/A	N/A	N/A
TRANS-1,3-DICHLOROPROPENE	MG/L	<0.005	<0.005	N/A	N/A	N/A
ETHYLBENZENE	MG/L	<0.005	<0.005	N/A	N/A	N/A
METHYL BROMIDE	MG/L	<0.005	<0.005	N/A	N/A	N/A
METHYL CHLORIDE	MG/L	<0.005	<0.005	N/A	N/A	N/A
METHYLENE CHLORIDE	MG/L	<0.005	<0.005	N/A	N/A	N/A
1,1,2,2-TETRACHLOROETHANE	MG/L	<0.005	<0.005	N/A	N/A	N/A
TETRACHLOROETHYLENE	MG/L	<0.005	<0.005	N/A	N/A	N/A
TOLUENE	MG/L	<0.005	<0.005	N/A	N/A	N/A
TRANS-1,2,-DICHLOROETHENE	MG/L	<0.005	<0.005	N/A	N/A	N/A
1,1,1-TRICHLOROETHANE	MG/L	0.22	<0.005	N/A	N/A	N/A
1,1,2-TRICHLOROETHANE	MG/L	<0.005	<0.005	N/A	N/A	N/A

SAMPLING ROUND SUMMARY (SRS) 03/23/92

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 88 ROUND NO. 04 PURPOSE: QUARTERLY

CLIENT : Philips DCC
SITE : HAZARDOUS WASTE MANAGEMENT
POINTS : < ALL >

FACILITY : SENECA FALLS
LOCATION : SENECA FALLS, N.Y.

PARAMETER	UNIT	MW-1	MW-8	MW-12	MW-13	MW-16
		UPGRADIENT	DOWNGRADIENT	DOWNGRADIENT	DOWNGRADIENT	DOWNGRADIENT
		WELL	BEDROCK	BEDRK/TILL	TILL	TILL
		11/02/88	11/02/88	11/02/88	11/02/88	11/02/88
		13052	13053	13055	13054	13056
TRICHLOROETHYLENE	MG/L	<0.005	<0.005	N/A	N/A	N/A
VINYL CHLORIDE	MG/L	<0.005	<0.005	N/A	N/A	N/A
CALCIUM	MG/L	135	N/A	620	590	105
NICKEL	MG/L	<0.01	N/A	<0.01	<0.01	<0.01
ZINC	MG/L	0.03	N/A	0.05	0.04	0.06

SAMPLING ROUND SUMMARY (SRS) 03/23/92

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 88 ROUND NO. 04 PURPOSE: QUARTERLY

CLIENT : Philips DCC
SITE : HAZARDOUS WASTE MANAGEMENT
POINTS : < ALL >

FACILITY : SENECA FALLS
LOCATION : SENECA FALLS, N.Y.

<-----SAMPLING POINT----->

TRIP BLANK

GRAB
11/02/88
13051

PARAMETER	UNIT	
CADMIUM	MG/L	<0.005
CHROMIUM	MG/L	<0.01
FLUORIDE	MG/L	0.71
LEAD	MG/L	<0.02
CHLORIDE	MG/L	<1
MANGANESE	MG/L	<0.01
SODIUM	MG/L	0.02
SULFATE	MG/L	0.28
PH	SU	7.2
SPECIFIC CONDUCTANCE	UMHOS/CM	188
TOTAL ORGANIC CARBON	MG/L	3
TOTAL ORGANIC HALOGEN	MG/L	<0.005
FIELD PH	SU	N/A
FIELD SPECIFIC CONDUCTANCE	UMHOS/CM	N/A
TEMPERATURE	C	N/A
GROUND WATER ELEVATION	FT MSL	N/A
ACROLEIN	MG/L	<0.005
ACRYLONITRILE	MG/L	<0.005
BENZENE	MG/L	<0.005
BROMOFORM	MG/L	<0.005
CARBON TETRACHLORIDE	MG/L	<0.005
CHLOROBENZENE	MG/L	<0.005
CHLORODIBROMOMETHANE	MG/L	<0.005
CHLOROETHANE	MG/L	<0.005
2-CHLOROETHYL VINYL ETHER	MG/L	<0.005
CHLOROFORM	MG/L	<0.005
DICHLOROBROMOMETHANE	MG/L	<0.005
1,1-DICHLOROETHANE	MG/L	<0.005
1,2-DICHLOROETHANE	MG/L	<0.005
1,1-DICHLOROETHENE	MG/L	<0.005
1,2-DICHLOROPROPANE	MG/L	<0.005
CIS-1,3-DICHLOROPROPENE	MG/L	<0.005
TRANS-1,3-DICHLOROPROPENE	MG/L	<0.005
ETHYLBENZENE	MG/L	<0.005
METHYL BROMIDE	MG/L	<0.005
METHYL CHLORIDE	MG/L	<0.005
METHYLENE CHLORIDE	MG/L	<0.005
1,1,2,2-TETRACHLOROETHANE	MG/L	<0.005
TETRACHLOROETHYLENE	MG/L	<0.005
TOLUENE	MG/L	<0.005
TRANS-1,2,-DICHLOROETHENE	MG/L	<0.005
1,1,1-TRICHLOROETHANE	MG/L	<0.005
1,1,2-TRICHLOROETHANE	MG/L	<0.005

S A M P L I N G R O U N D S U M M A R Y (SRS) 03/23/92

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 88 ROUND NO. 04 PURPOSE: QUARTERLY

CLIENT : Philips DCC
SITE : HAZARDOUS WASTE MANAGEMENT
POINTS : < ALL >

FACILITY : SENECA FALLS
LOCATION : SENECA FALLS, N.Y.

TRIP BLANK

GRAB
11/02/88
13051

PARAMETER	UNIT	
TRICHLOROETHYLENE	MG/L	<0.005
VINYL CHLORIDE	MG/L	<0.005
CALCIUM	MG/L	3.6
NICKEL	MG/L	<0.01
ZINC	MG/L	0.16

TABLE 3

SAMPLING ROUND SUMMARY (SRS) MON, MAR 6, 1989, 1:16 PM

RESULTS BY FACILITY, SITE AND SAMPLING POINT.

FOR YEAR 89 ROUND NO. 01 PURPOSE: QUARTERLY

CLIENT : Philips ECG, Inc.

FACILITY : SENECA FALLS

SITE : HAZARDOUS WASTE MANAGEMENT

LOCATION : SENECA FALLS, N.Y.

WELLS : < ALL >

PARAMETER	UNIT	-----SAMPLING POINT-----				
		MW-1 UPGRADIENT WELL 02/01/89 01227	MW-12 DOWNGRADIENT BEDRK/TILL 02/01/89 01229	MW-13 DOWNGRADIENT TILL 02/01/89 01228	MW-16 DOWNGRADIENT TILL 02/01/89 01230	TRIP BLANK GRAB 01/31/89 01226
CADMIUM	MG/L	<0.005	<0.005	<0.005	<0.005	<0.005
CHROMIUM	MG/L	<0.01	<0.01	<0.01	<0.01	<0.01
FLUORIDE	MG/L	0.70	0.86	0.95	0.63	0.76
LEAD	MG/L	<0.02	0.03	0.05	<0.02	<0.02
CHLORIDE	MG/L	11	900	6	3	<1
MANGANESE	MG/L	0.02	0.10	0.03	<0.01	<0.01
SODIUM	MG/L	11	740	44	6.5	<0.01
SULFATE	MG/L	128	2070	1500	114	<0.5
PH	SU	6.7	7.2	7.0	7.1	6.4
SPECIFIC CONDUCTANCE	UMHOS/CM	1140	5960	3170	811	3.3
TOTAL ORGANIC CARBON	MG/L	15	16	9	10	8
TOTAL ORGANIC HALOGEN	MG/L	0.03	<0.005	<0.005	<0.005	<0.005
FIELD PH	SU	6.5	6.9	6.6	7.1	N/A
FIELD SPECIFIC CONDUCTANCE	UMHOS/CM	1100	3600	2600	825	N/A
TEMPERATURE	C	14	15	15	16	N/A
GROUND WATER ELEVATION	FT MSL	454.47	452.39	450.51	423.70	N/A
ACROLEIN	MG/L	<0.005	N/A	N/A	N/A	<0.005
ACRYLONITRILE	MG/L	<0.005	N/A	N/A	N/A	<0.005
BENZENE	MG/L	<0.005	N/A	N/A	N/A	<0.005
BROMOFORM	MG/L	<0.005	N/A	N/A	N/A	<0.005
CARBON TETRACHLORIDE	MG/L	<0.005	N/A	N/A	N/A	<0.005
CHLOROBENZENE	MG/L	<0.005	N/A	N/A	N/A	<0.005
CHLORODIBROMOMETHANE	MG/L	<0.005	N/A	N/A	N/A	<0.005
CHLOROETHANE	MG/L	<0.005	N/A	N/A	N/A	<0.005
2-CHLOROETHYL VINYL ETHER	MG/L	<0.005	N/A	N/A	N/A	<0.005
CHLOROFORM	MG/L	<0.005	N/A	N/A	N/A	0.007
DICHLOROBROMOMETHANE	MG/L	<0.005	N/A	N/A	N/A	<0.005
1,1-DICHLOROETHANE	MG/L	0.015	N/A	N/A	N/A	<0.005
1,2-DICHLOROETHANE	MG/L	<0.005	N/A	N/A	N/A	<0.005
1,1-DICHLOROETHYLENE	MG/L	0.01	N/A	N/A	N/A	<0.005
1,2-DICHLOROPROPANE	MG/L	<0.005	N/A	N/A	N/A	<0.005
CIS-1,3-DICHLOROPROPENE	MG/L	<0.005	N/A	N/A	N/A	<0.005
TRANS-1,3-DICHLOROPROPENE	MG/L	<0.005	N/A	N/A	N/A	<0.005
ETHYLBENZENE	MG/L	<0.005	N/A	N/A	N/A	<0.005
METHYL BROMIDE	MG/L	<0.005	N/A	N/A	N/A	<0.005
METHYL CHLORIDE	MG/L	<0.005	N/A	N/A	N/A	<0.005
METHYLENE CHLORIDE	MG/L	<0.005	N/A	N/A	N/A	0.008
1,1,2,2-TETRACHLOROETHANE	MG/L	<0.005	N/A	N/A	N/A	<0.005
TETRACHLOROETHYLENE	MG/L	<0.005	N/A	N/A	N/A	<0.005
TOLUENE	MG/L	<0.005	N/A	N/A	N/A	<0.005
1,2-TRANS-DICHLOROETHYLENE	MG/L	<0.005	N/A	N/A	N/A	<0.005
1,1,1-TRICHLOROETHANE	MG/L	0.136	N/A	N/A	N/A	<0.005
1,1,2-TRICHLOROETHANE	MG/L	<0.005	N/A	N/A	N/A	<0.005

TABLE 3 (Con't)

SAMPLING ROUND SUMMARY (SRS) MON, MAR 6, 1989, 1:16 PM

RESULTS BY FACILITY, SITE AND SAMPLING POINT.

FOR YEAR 89 ROUND NO. 01 PURPOSE: QUARTERLY

CLIENT : Philips ECG, Inc.

FACILITY : SENECA FALLS

SITE : HAZARDOUS WASTE MANAGEMENT

LOCATION : SENECA FALLS, N.Y.

WELLS : < ALL >

PARAMETER	UNIT	MW-1	MW-12	MW-13	MW-16	TRIP BLANK
		UPGRADIENT	DOWNGRADIENT	DOWNGRADIENT	DOWNGRADIENT	
		WELL	BEDRK/TILL	TILL	TILL	GRAB
		02/01/89	02/01/89	02/01/89	02/01/89	01/31/89
		01227	01229	01228	01230	01226
TRICHLOROETHYLENE	MG/L	<0.005	N/A	N/A	N/A	<0.005
VINYL CHLORIDE	MG/L	<0.005	N/A	N/A	N/A	<0.005
CALCIUM	MG/L	146	590	590	120	0.02
NICKEL	MG/L	<0.01	<0.01	<0.01	<0.01	<0.01
ZINC	MG/L	<0.01	<0.01	<0.01	<0.01	<0.01

TABLE 3

SAMPLING ROUND SUMMARY (SRS) TUE, MAY 23, 1989, 10:17 AM

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 89 ROUND NO. 02 PURPOSE: QUARTERLYCLIENT : Philips ECG, Inc.
SITE : HAZARDOUS WASTE MANAGEMENT
WELLS : < ALL >FACILITY : SENECA FALLS
LOCATION : SENECA FALLS, N.Y.

PARAMETER	UNIT	<-----SAMPLING POINT----->				
		MW-1 UPGRADIENT WELL 04/28/89 04006	MW-2 DOWNGRADIENT WELL 04/28/89 000000	MW-7 DOWNGRADIENT BEDROCK 04/28/89 000000	MW-8 DOWNGRADIENT BEDROCK 04/28/89 000000	MW-9 DOWNGRADIENT BEDROCK 04/28/89 000000
CADMIUM	MG/L	<0.005	N/A	N/A	N/A	N/A
CHROMIUM	MG/L	<0.01	N/A	N/A	N/A	N/A
FLUORIDE	MG/L	0.23	N/A	N/A	N/A	N/A
LEAD	MG/L	<0.02	N/A	N/A	N/A	N/A
CHLORIDE	MG/L	11	N/A	N/A	N/A	N/A
MANGANESE	MG/L	0.01	N/A	N/A	N/A	N/A
SODIUM	MG/L	8.4	N/A	N/A	N/A	N/A
SULFATE	MG/L	114	N/A	N/A	N/A	N/A
PH	SU	7.1	N/A	N/A	N/A	N/A
SPECIFIC CONDUCTANCE	UMHOS/CM	1140	N/A	N/A	N/A	N/A
TOTAL ORGANIC CARBON	MG/L	7.5	N/A	N/A	N/A	N/A
TOTAL ORGANIC HALOGEN	MG/L	0.12	N/A	N/A	N/A	N/A
FIELD PH	SU	6.5	N/A	N/A	N/A	N/A
FIELD SPECIFIC CONDUCTANCE	UMHOS/CM	950	N/A	N/A	N/A	N/A
TEMPERATURE	C	13.5	N/A	N/A	N/A	N/A
GROUND WATER ELEVATION	FT MSL	453.87	425.07	383.62	420.99	383.73
ACROLEIN	MG/L	<0.005	N/A	N/A	N/A	N/A
ACRYLONITRILE	MG/L	<0.005	N/A	N/A	N/A	N/A
BENZENE	MG/L	<0.005	N/A	N/A	N/A	N/A
BROMOFORM	MG/L	<0.005	N/A	N/A	N/A	N/A
CARBON TETRACHLORIDE	MG/L	<0.005	N/A	N/A	N/A	N/A
CHLOROBENZENE	MG/L	<0.005	N/A	N/A	N/A	N/A
CHLORODIBROMOMETHANE	MG/L	<0.005	N/A	N/A	N/A	N/A
CHLOROETHANE	MG/L	<0.005	N/A	N/A	N/A	N/A
2-CHLOROETHYL VINYL ETHER	MG/L	<0.005	N/A	N/A	N/A	N/A
CHLOROFORM	MG/L	<0.005	N/A	N/A	N/A	N/A
DICHLOROBROMOMETHANE	MG/L	<0.005	N/A	N/A	N/A	N/A
1,1-DICHLOROETHANE	MG/L	0.017	N/A	N/A	N/A	N/A
1,2-DICHLOROETHANE	MG/L	<0.005	N/A	N/A	N/A	N/A
1,1-DICHLOROETHYLENE	MG/L	<0.005	N/A	N/A	N/A	N/A
1,2-DICHLOROPROPANE	MG/L	<0.005	N/A	N/A	N/A	N/A
CIS-1,3-DICHLOROPROPENE	MG/L	<0.005	N/A	N/A	N/A	N/A
TRANS-1,3-DICHLOROPROPENE	MG/L	<0.005	N/A	N/A	N/A	N/A
ETHYLBENZENE	MG/L	<0.005	N/A	N/A	N/A	N/A
METHYL BROMIDE	MG/L	<0.005	N/A	N/A	N/A	N/A
METHYL CHLORIDE	MG/L	<0.005	N/A	N/A	N/A	N/A
METHYLENE CHLORIDE	MG/L	<0.005	N/A	N/A	N/A	N/A
1,1,2,2-TETRACHLOROETHANE	MG/L	<0.005	N/A	N/A	N/A	N/A
TETRACHLOROETHYLENE	MG/L	<0.005	N/A	N/A	N/A	N/A
TOLUENE	MG/L	<0.005	N/A	N/A	N/A	N/A
1,2-TRANS-DICHLOROETHYLENE	MG/L	0.009	N/A	N/A	N/A	N/A
1,1,1-TRICHLOROETHANE	MG/L	0.158	N/A	N/A	N/A	N/A
1,1,2-TRICHLOROETHANE	MG/L	<0.005	N/A	N/A	N/A	N/A

TABLE 3

SAMPLING ROUND SUMMARY (SRS) TUE, MAY 23, 1989, 10:17 AM

RESULTS BY FACILITY, SITE AND SAMPLING POINT.

FOR YEAR 89 ROUND NO. 02 PURPOSE: QUARTERLY

CLIENT : Philips ECG, Inc.

FACILITY : SENECA FALLS

SITE : HAZARDOUS WASTE MANAGEMENT

LOCATION : SENECA FALLS, N.Y.

WELLS : < ALL >

PARAMETER	UNIT	MW-1	MW-2	MW-7	MW-8	MW-9
		UPGRADIENT	DOWNGRADIENT	DOWNGRADIENT	DOWNGRADIENT	DOWNGRADIENT
		WELL	WELL	BEDROCK	BEDROCK	BEDROCK
		04/28/89	04/28/89	04/28/89	04/28/89	04/28/89
		04006	000000	000000	000000	000000
TRICHLOROETHYLENE	MG/L	<0.005	N/A	N/A	N/A	N/A
VINYL CHLORIDE	MG/L	<0.005	N/A	N/A	N/A	N/A
CALCIUM	MG/L	143	N/A	N/A	N/A	N/A
NICKEL	MG/L	<0.01	N/A	N/A	N/A	N/A
ZINC	MG/L	<0.01	N/A	N/A	N/A	N/A

TABLE 3

SAMPLING ROUND SUMMARY (SRS) TUE, MAY 23, 1989, 10:17 AM

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 89 ROUND NO. 02 PURPOSE: QUARTERLYCLIENT : Philips ECG, Inc.
SITE : HAZARDOUS WASTE MANAGEMENT
WELLS : < ALL >FACILITY : SENECA FALLS
LOCATION : SENECA FALLS, N.Y.

PARAMETER	UNIT	<-----SAMPLING POINT----->				
		MW-10	MW-11	MW-12	MW-13	MW-16
		DOWNGRA BEDROCK	DOWNGRA BEDROCK	DOWNGRA BEDRK/TILL	DOWNGRA TILL	DOWNGRA TILL
		04/28/89	04/28/89	04/28/89	04/28/89	04/28/89
		000000	000000	04009	04007	04008
CADMIUM	MG/L	N/A	N/A	<0.005	<0.005	<0.005
CHROMIUM	MG/L	N/A	N/A	<0.01	<0.01	<0.01
FLUORIDE	MG/L	N/A	N/A	1.0	0.6	0.14
LEAD	MG/L	N/A	N/A	<0.02	<0.02	<0.02
CHLORIDE	MG/L	N/A	N/A	875	8	2
MANGANESE	MG/L	N/A	N/A	0.04	0.18	<0.01
SODIUM	MG/L	N/A	N/A	651	40	5.0
SULFATE	MG/L	N/A	N/A	1030	1660	836
PH	SU	N/A	N/A	7.5	7.2	7.4
SPECIFIC CONDUCTANCE	UMHOS/CM	N/A	N/A	5880	2730	895
TOTAL ORGANIC CARBON	MG/L	N/A	N/A	14	8.3	14
TOTAL ORGANIC HALOGEN	MG/L	N/A	N/A	0.010	<0.005	<0.005
FIELD PH	SU	N/A	N/A	6.9	6.7	7.0
FIELD SPECIFIC CONDUCTANCE	UMHOS/CM	N/A	N/A	4750	2350	820
TEMPERATURE	C	N/A	N/A	19.0	17.2	16.4
GROUND WATER ELEVATION	FT MSL	384.67	369.14	415.82	421.73	423.75
ACROLEIN	MG/L	N/A	N/A	N/A	N/A	N/A
ACRYLONITRILE	MG/L	N/A	N/A	N/A	N/A	N/A
BENZENE	MG/L	N/A	N/A	N/A	N/A	N/A
BROMOFORM	MG/L	N/A	N/A	N/A	N/A	N/A
CARBON TETRACHLORIDE	MG/L	N/A	N/A	N/A	N/A	N/A
CHLOROBENZENE	MG/L	N/A	N/A	N/A	N/A	N/A
CHLORODIBROMOMETHANE	MG/L	N/A	N/A	N/A	N/A	N/A
CHLOROETHANE	MG/L	N/A	N/A	N/A	N/A	N/A
2-CHLOROETHYLVINYL ETHER	MG/L	N/A	N/A	N/A	N/A	N/A
CHLOROFORM	MG/L	N/A	N/A	N/A	N/A	N/A
DICHLOROBROMOMETHANE	MG/L	N/A	N/A	N/A	N/A	N/A
1,1-DICHLOROETHANE	MG/L	N/A	N/A	N/A	N/A	N/A
1,2-DICHLOROETHANE	MG/L	N/A	N/A	N/A	N/A	N/A
1,1-DICHLOROETHYLENE	MG/L	N/A	N/A	N/A	N/A	N/A
1,2-DICHLOROPROPANE	MG/L	N/A	N/A	N/A	N/A	N/A
CIS-1,3-DICHLOROPROPENE	MG/L	N/A	N/A	N/A	N/A	N/A
TRANS-1,3-DICHLOROPROPENE	MG/L	N/A	N/A	N/A	N/A	N/A
ETHYLBENZENE	MG/L	N/A	N/A	N/A	N/A	N/A
METHYL BROMIDE	MG/L	N/A	N/A	N/A	N/A	N/A
METHYL CHLORIDE	MG/L	N/A	N/A	N/A	N/A	N/A
METHYLENE CHLORIDE	MG/L	N/A	N/A	N/A	N/A	N/A
1,1,2,2-TETRACHLOROETHANE	MG/L	N/A	N/A	N/A	N/A	N/A
TETRACHLOROETHYLENE	MG/L	N/A	N/A	N/A	N/A	N/A
TOLUENE	MG/L	N/A	N/A	N/A	N/A	N/A
1,2-TRANS-DICHLOROETHYLENE	MG/L	N/A	N/A	N/A	N/A	N/A
1,1,1-TRICHLOROETHANE	MG/L	N/A	N/A	N/A	N/A	N/A
1,1,2-TRICHLOROETHANE	MG/L	N/A	N/A	N/A	N/A	N/A

TABLE 3

SAMPLING ROUND SUMMARY (SRS) TUE, MAY 23, 1989, 10:17 AM

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 89 ROUND NO. 02 PURPOSE: QUARTERLY

CLIENT : Philips ECG, Inc.

FACILITY : SENECA FALLS

SITE : HAZARDOUS WASTE MANAGEMENT

LOCATION : SENECA FALLS, N.Y.

WELLS : < ALL >

PARAMETER	UNIT	MW-10	MW-11	MW-12	MW-13	MW-16
		DOWNGRADIENT	DOWNGRADIENT	DOWNGRADIENT	DOWNGRADIENT	DOWNGRADIENT
		BEDROCK	BEDROCK	BEDRK/TILL	TILL	TILL
		04/28/89	04/28/89	04/28/89	04/28/89	04/28/89
		000000	000000	04009	04007	04008
TRICHLOROETHYLENE	MG/L	N/A	N/A	N/A	N/A	N/A
VINYL CHLORIDE	MG/L	N/A	N/A	N/A	N/A	N/A
CALCIUM	MG/L	N/A	N/A	596	624	129
NICKEL	MG/L	N/A	N/A	<0.01	<0.01	<0.01
ZINC	MG/L	N/A	N/A	<0.01	<0.01	<0.01

TABLE 3

SAMPLING ROUND SUMMARY (SRS) TUE, MAY 23, 1989, 10:17 AM

RESULTS BY FACILITY, SITE AND SAMPLING POINT.

FOR YEAR 89 ROUND NO. 02 PURPOSE: QUARTERLY

CLIENT : Philips ECG, Inc.

FACILITY : SENECA FALLS

SITE : HAZARDOUS WASTE MANAGEMENT

LOCATION : SENECA FALLS, N.Y.

WELLS : < ALL >

<-----SAMPLING POINT----->

TRIP BLANK

GRAB

04/28/89

04005

PARAMETER	UNIT	
CADMIUM	MG/L	<0.005
CHROMIUM	MG/L	<0.01
FLUORIDE	MG/L	<0.02
LEAD	MG/L	<0.02
CHLORIDE	MG/L	<1
MANGANESE	MG/L	<0.01
SODIUM	MG/L	0.03
SULFATE	MG/L	<2
PH	SU	5.5
SPECIFIC CONDUCTANCE	UMHOS/CM	4.7
TOTAL ORGANIC CARBON	MG/L	7.5
TOTAL ORGANIC HALOGEN	MG/L	0.010
FIELD PH	SU	N/A
FIELD SPECIFIC CONDUCTANCE	UMHOS/CM	N/A
TEMPERATURE	C	N/A
GROUND WATER ELEVATION	FT MSL	N/A
ACROLEIN	MG/L	<0.005
ACRYLONITRILE	MG/L	<0.005
BENZENE	MG/L	<0.005
BROMOFORM	MG/L	<0.005
CARBON TETRACHLORIDE	MG/L	<0.005
CHLOROBENZENE	MG/L	<0.005
CHLORO DibROMOMETHANE	MG/L	<0.005
CHLOROETHANE	MG/L	<0.005
2-CHLOROETHYL VINYL ETHER	MG/L	<0.005
CHLOROFORM	MG/L	<0.005
DICHLOROBROMOMETHANE	MG/L	<0.005
1,1-DICHLOROETHANE	MG/L	<0.005
1,2-DICHLOROETHANE	MG/L	<0.005
1,1-DICHLOROETHYLENE	MG/L	<0.005
1,2-DICHLOROPROPANE	MG/L	<0.005
CIS-1,3-DICHLOROPROPENE	MG/L	<0.005
TRANS-1,3-DICHLOROPROPENE	MG/L	<0.005
ETHYLBENZENE	MG/L	<0.005
METHYL BROMIDE	MG/L	<0.005
METHYL CHLORIDE	MG/L	<0.005
METHYLENE CHLORIDE	MG/L	<0.005
1,1,2,2-TETRACHLOROETHANE	MG/L	<0.005
TETRACHLOROETHYLENE	MG/L	<0.005
TOLUENE	MG/L	<0.005
1,2-TRANS-DICHLOROETHYLENE	MG/L	<0.005
1,1,1-TRICHLOROETHANE	MG/L	<0.005
1,1,2-TRICHLOROETHANE	MG/L	<0.005

T A B L E 3
S A M P L I N G R O U N D S U M M A R Y (S R S) TUE, MAY 23, 1989, 10:17 AM

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR YEAR 89 ROUND NO. 02 PURPOSE: QUARTERLY

CLIENT : Philips ECG, Inc.
SITE : HAZARDOUS WASTE MANAGEMENT
WELLS : < ALL >

FACILITY : SENECA FALLS
LOCATION : SENECA FALLS, N.Y.

		TRIP BLANK
		GRAB
		04/28/89
PARAMETER	UNIT	04005

TRICHLOROETHYLENE	MG/L	<0.005
VINYL CHLORIDE	MG/L	<0.005
CALCIUM	MG/L	0.60
NICKEL	MG/L	<0.01
ZINC	MG/L	0.01

TABLE 3

SAMPLING ROUND SUMMARY (SRS) FRI, SEP 15, 1989, 11:43 AM

RESULTS BY FACILITY, SITE AND SAMPLING POINT.

FOR YEAR 89 ROUND NO. 03 PURPOSE: QUARTERLY

CLIENT : Philips DCC

FACILITY : SENECA FALLS

SITE : HAZARDOUS WASTE MANAGEMENT

LOCATION : SENECA FALLS, N.Y.

POINTS: < ALL >

PARAMETER	UNIT	<-----SAMPLING POINT----->				
		MW-1 UPGRADIENT WELL 08/11/89 08034	MW-12 DOWNGRADIENT BEDRK/TILL 08/11/89 08036	MW-13 DOWNGRADIENT TILL 08/11/89 08037	MW-16 DOWNGRADIENT TILL 08/11/89 08035	TRIP BLANK GRAB 08/09/89 08033
CADMIUM	MG/L	<0.01	<0.01	<0.01	<0.01	<0.005
CHROMIUM	MG/L	0.01	0.02	0.01	0.02	0.01
FLUORIDE	MG/L	0.27	0.72	0.68	0.46	0.08
CHLORIDE	MG/L	12	690	9	23	<1
SODIUM	MG/L	11	730	44	8.7	<0.01
SULFATE	MG/L	122	2130	1770	118	<1
PH	SU	7.1	7.4	7.4	7.3	6.2
SPECIFIC CONDUCTANCE	UMHOS/CM	1190	6100	2930	804	3
TOTAL ORGANIC CARBON	MG/L	6.9	6.9	13	6.2	6.2
TOTAL ORGANIC HALOGEN	MG/L	0.039	<0.005	0.005	<0.005	0.006
FIELD PH	SU	6.4	7.0	6.9	7.0	N/A
FIELD SPECIFIC CONDUCTANCE	UMHOS/CM	1200	5850	2650	705	N/A
TEMPERATURE	C	15.3	14.5	14.1	15.3	N/A
GROUND WATER ELEVATION	FT MSL	452.76	416.23	421.79	423.71	N/A
CALCIUM	MG/L	146	588	630	103	0.11
MAGNESIUM	MG/L	86	149	94	46	<0.01
NICKEL	MG/L	0.02	0.01	<0.01	0.01	<0.01
ZINC	MG/L	<0.01	0.08	0.03	0.03	<0.01

TABLE 3

SAMPLING ROUND SUMMARY (SRS)

TUE, OCT 31, 1989, 9:11 AM

RESULTS BY FACILITY, SITE AND SAMPLING POINT.

FOR YEAR 89 ROUND NO. 04 PURPOSE: QUARTERLY

CLIENT : Philips DCC

FACILITY : SENECA FALLS

SITE : HAZARDOUS WASTE MANAGEMENT

LOCATION : SENECA FALLS, N.Y.

POINTS: MW-1

MW-12

MW-13

MW-16

PARAMETER	UNIT	<-----SAMPLING POINT----->			
		MW-1	MW-12	MW-13	MW-16
		UPGRADIENT	DOWNGRADIENT	DOWNGRADIENT	DOWNGRADIENT
		WELL	BEDRK/TILL	TILL	TILL
		10/05/89	10/05/89	10/05/89	10/05/89
		10681	10683	10682	10684
CADMIUM	MG/L	<0.005	<0.005	<0.005	0.05
CHROMIUM	MG/L	<0.01	<0.01	<0.01	<0.01
FLUORIDE	MG/L	0.48	1.0	1.5	0.40
CHLORIDE	MG/L	16	207	12	7.0
SODIUM	MG/L	5	1000	95	8
SULFATE	MG/L	134	2370	1780	131
PH	SU	7.4	7.2	7.1	7.9
SPECIFIC CONDUCTANCE	UMHOS/CM	1140	5900	2750	730
TOTAL ORGANIC CARBON	MG/L	3.9	1.5	1.9	15
TOTAL ORGANIC HALOGEN	MG/L	0.103	0.020	0.007	0.063
FIELD PH	SU	6.7	6.8	6.8	7.5
FIELD SPECIFIC CONDUCTANCE	UMHOS/CM	1050	5475	2500	675
TEMPERATURE	C	16.6	15.0	15.5	15.2
GROUND WATER ELEVATION	FT MSL	452.52	416.21	421.77	423.65
CALCIUM	MG/L	142	1080	980	90
MAGNESIUM	MG/L	86	160	100	43
NICKEL	MG/L	0.01	<0.01	0.01	<0.01
ZINC	MG/L	<0.01	0.01	<0.01	<0.01

TABLE 4

SAMPLING WELL SUMMARY (WS) TUE, OCT 31, 1989, 9:22 AM

RESULTS BY FACILITY, SITE AND SAMPLING POINT.

FOR SAMPLING POINT MW-1 UPGRADIENT WELL

CLIENT : Philips DCC

FACILITY : SENECA FALLS

SITE : HAZARDOUS WASTE MANAGEMENT

LOCATION : SENECA FALLS, N.Y.

PARAMETER	UNIT	DATE	DATE	DATE	DATE
		SAMPLE #	SAMPLE #	SAMPLE #	SAMPLE #
		02/01/89	04/28/89	08/11/89	10/05/89
		01227	04006	08034	10681
CADMIUM	MG/L	<0.005	<0.005	<0.01	<0.005
CHROMIUM	MG/L	<0.01	<0.01	0.01	<0.01
FLUORIDE	MG/L	0.70	0.23	0.27	0.48
LEAD	MG/L	<0.02	<0.02	N/A	N/A
CHLORIDE	MG/L	11	11	12	16
MANGANESE	MG/L	0.02	0.01	N/A	N/A
SODIUM	MG/L	11	8.4	11	5
SULFATE	MG/L	128	114	122	134
PH	SU	6.7	7.1	7.1	7.4
SPECIFIC CONDUCTANCE	UMHOS/CM	1140	1140	1190	1140
TOTAL ORGANIC CARBON	MG/L	15	7.5	6.9	3.9
TOTAL ORGANIC HALOGEN	MG/L	0.03	0.12	0.039	0.103
FIELD PH	SU	6.5	6.5	6.4	6.7
FIELD SPECIFIC CONDUCTANCE	UMHOS/CM	1100	950	1200	1050
TEMPERATURE	C	14	13.5	15.3	16.6
GROUND WATER ELEVATION	FT MSL	454.47	453.87	452.76	452.52
ACROLEIN	MG/L	<0.005	<0.005	N/A	N/A
ACRYLONITRILE	MG/L	<0.005	<0.005	N/A	N/A
BENZENE	MG/L	<0.005	<0.005	N/A	N/A
BROMOFORM	MG/L	<0.005	<0.005	N/A	N/A
CARBON TETRACHLORIDE	MG/L	<0.005	<0.005	N/A	N/A
CHLOROBENZENE	MG/L	<0.005	<0.005	N/A	N/A
CHLORODIBROMOMETHANE	MG/L	<0.005	<0.005	N/A	N/A
CHLOROETHANE	MG/L	<0.005	<0.005	N/A	N/A
2-CHLOROETHYL VINYL ETHER	MG/L	<0.005	<0.005	N/A	N/A
CHLOROFORM	MG/L	<0.005	<0.005	N/A	N/A
DICHLOROBROMOMETHANE	MG/L	<0.005	<0.005	N/A	N/A
1,1-DICHLOROETHANE	MG/L	0.015	0.017	N/A	N/A
1,2-DICHLOROETHANE	MG/L	<0.005	<0.005	N/A	N/A
1,1-DICHLOROETHYLENE	MG/L	0.01	<0.005	N/A	N/A
1,2-DICHLOROPROPANE	MG/L	<0.005	<0.005	N/A	N/A
CIS-1,3-DICHLOROPROPENE	MG/L	<0.005	<0.005	N/A	N/A
TRANS-1,3-DICHLOROPROPENE	MG/L	<0.005	<0.005	N/A	N/A
ETHYLBENZENE	MG/L	<0.005	<0.005	N/A	N/A
METHYL BROMIDE	MG/L	<0.005	<0.005	N/A	N/A
METHYL CHLORIDE	MG/L	<0.005	<0.005	N/A	N/A
METHYLENE CHLORIDE	MG/L	<0.005	<0.005	N/A	N/A
1,1,2,2-TETRACHLOROETHANE	MG/L	<0.005	<0.005	N/A	N/A
TETRACHLOROETHYLENE	MG/L	<0.005	<0.005	N/A	N/A
TOLUENE	MG/L	<0.005	<0.005	N/A	N/A
1,2-TRANS-DICHLOROETHYLENE	MG/L	<0.005	0.009	N/A	N/A
1,1,1-TRICHLOROETHANE	MG/L	0.136	0.158	N/A	N/A
1,1,2-TRICHLOROETHANE	MG/L	<0.005	<0.005	N/A	N/A
TRICHLOROETHYLENE	MG/L	<0.005	<0.005	N/A	N/A

TABLE 4 (con't)

SAMPLING WELL SUMMARY (WS) TUE, OCT 31, 1989, 9:22 AM

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR SAMPLING POINT MW-1 UPGRADIENT WELL

CLIENT : Philips DCC

FACILITY : SENECA FALLS

SITE : HAZARDOUS WASTE MANAGEMENT

LOCATION : SENECA FALLS, N.Y.

PARAMETER	UNIT	DATE SAMPLE # 02/01/89 01227	DATE SAMPLE # 04/28/89 04006	DATE SAMPLE # 08/11/89 08034	DATE SAMPLE # 10/05/89 10681
VINYL CHLORIDE	MG/L	<0.005	<0.005	N/A	N/A
CALCIUM	MG/L	146	143	146	142
MAGNESIUM	MG/L	N/A	N/A	86	86
NICKEL	MG/L	<0.01	<0.01	0.02	0.01
ZINC	MG/L	<0.01	<0.01	<0.01	<0.01

TABLE 4 (con't)

1

SAMPLING WELL SUMMARY (WS) TUE, OCT 31, 1989, 9:37 AM

RESULTS BY FACILITY, SITE AND SAMPLING POINT.

FOR SAMPLING POINT MW-12 DOWNGRAIDENT BEDRK/TILL

CLIENT : Philips DCC

FACILITY : SENECA FALLS

SITE : HAZARDOUS WASTE MANAGEMENT

LOCATION : SENECA FALLS, N.Y.

PARAMETER	UNIT	DATE	DATE	DATE	DATE
		SAMPLE #	SAMPLE #	SAMPLE #	SAMPLE #
		02/01/89	04/28/89	08/11/89	10/05/89
		01229	04009	08036	10683
CADMIUM	MG/L	<0.005	<0.005	<0.01	<0.005
CHROMIUM	MG/L	<0.01	<0.01	0.02	<0.01
FLUORIDE	MG/L	0.86	1.0	0.72	1.0
LEAD	MG/L	0.03	<0.02	N/A	N/A
CHLORIDE	MG/L	900	875	690	207
MANGANESE	MG/L	0.10	0.04	N/A	N/A
SODIUM	MG/L	740	651	730	1000
SULFATE	MG/L	2070	1030	2130	2370
PH	SU	7.2	7.5	7.4	7.2
SPECIFIC CONDUCTANCE	UMHOS/CM	5960	5880	6100	5900
TOTAL ORGANIC CARBON	MG/L	16	14	6.9	1.5
TOTAL ORGANIC HALOGEN	MG/L	<0.005	0.010	<0.005	0.020
FIELD PH	SU	6.9	6.9	7.0	6.8
FIELD SPECIFIC CONDUCTANCE	UMHOS/CM	3600	4750	5850	5475
TEMPERATURE	C	15	19.0	14.5	15.0
GROUND WATER ELEVATION	FT MSL	452.39	415.82	416.23	416.21
CALCIUM	MG/L	590	596	588	1080
MAGNESIUM	MG/L	N/A	N/A	149	160
NICKEL	MG/L	<0.01	<0.01	0.01	<0.01
ZINC	MG/L	<0.01	<0.01	0.08	0.01

TABLE 4 (con't)

1

S A M P L I N G W E L L S U M M A R Y (W S) TUE, OCT 31, 1989, 9:42 AM

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR SAMPLING POINT MW-13 DOWNGRADIENT TILL

CLIENT : Philips DCC

FACILITY : SENECA FALLS

SITE : HAZARDOUS WASTE MANAGEMENT

LOCATTON : SENECA FALLS, N.Y.

PARAMETER	UNIT	DATE	DATE	DATE	DATE
		SAMPLE #	SAMPLE #	SAMPLE #	SAMPLE #
		02/01/89	04/28/89	08/11/89	10/05/89
		01228	04007	08037	10682
CADMIUM	MG/L	<0.005	<0.005	<0.01	<0.005
CHROMIUM	MG/L	<0.01	<0.01	0.01	<0.01
FLUORIDE	MG/L	0.95	0.6	0.68	1.5
LEAD	MG/L	0.05	<0.02	N/A	N/A
CHLORIDE	MG/L	6	8	9	12
MANGANESE	MG/L	0.03	0.18	N/A	N/A
SODIUM	MG/L	44	40	44	95
SULFATE	MG/L	1500	1660	1770	1780
PH	SU	7.0	7.2	7.4	7.1
SPECIFIC CONDUCTANCE	UMHOS/CM	3170	2730	2930	2750
TOTAL ORGANIC CARBON	MG/L	9	8.3	13	1.9
TOTAL ORGANIC HALOGEN	MG/L	<0.005	<0.005	0.005	0.007
FIELD PH	SU	6.6	6.7	6.9	6.8
FIELD SPECIFIC CONDUCTANCE	UMHOS/CM	2600	2350	2650	2500
TEMPERATURE	C	15	17.2	14.1	15.5
GROUND WATER ELEVATION	FT MSL	450.51	421.73	421.79	421.77
CALCIUM	MG/L	590	624	630	980
MAGNESIUM	MG/L	N/A	N/A	94	100
NICKEL	MG/L	<0.01	<0.01	<0.01	0.01
ZINC	MG/L	<0.01	<0.01	0.03	<0.01

TABLE 4 (con't)

1

SAMPLING WELL SUMMARY (WS) TUE, OCT 31, 1989, 9:45 AM

RESULTS BY FACILITY, SITE AND SAMPLING POINT.
FOR SAMPLING POINT MW-16 DOWNGRADIENT TILLCLIENT : Philips DCC
SITE : HAZARDOUS WASTE MANAGEMENTFACILITY : SENECA FALLS
LOCATION : SENECA FALLS, N.Y.

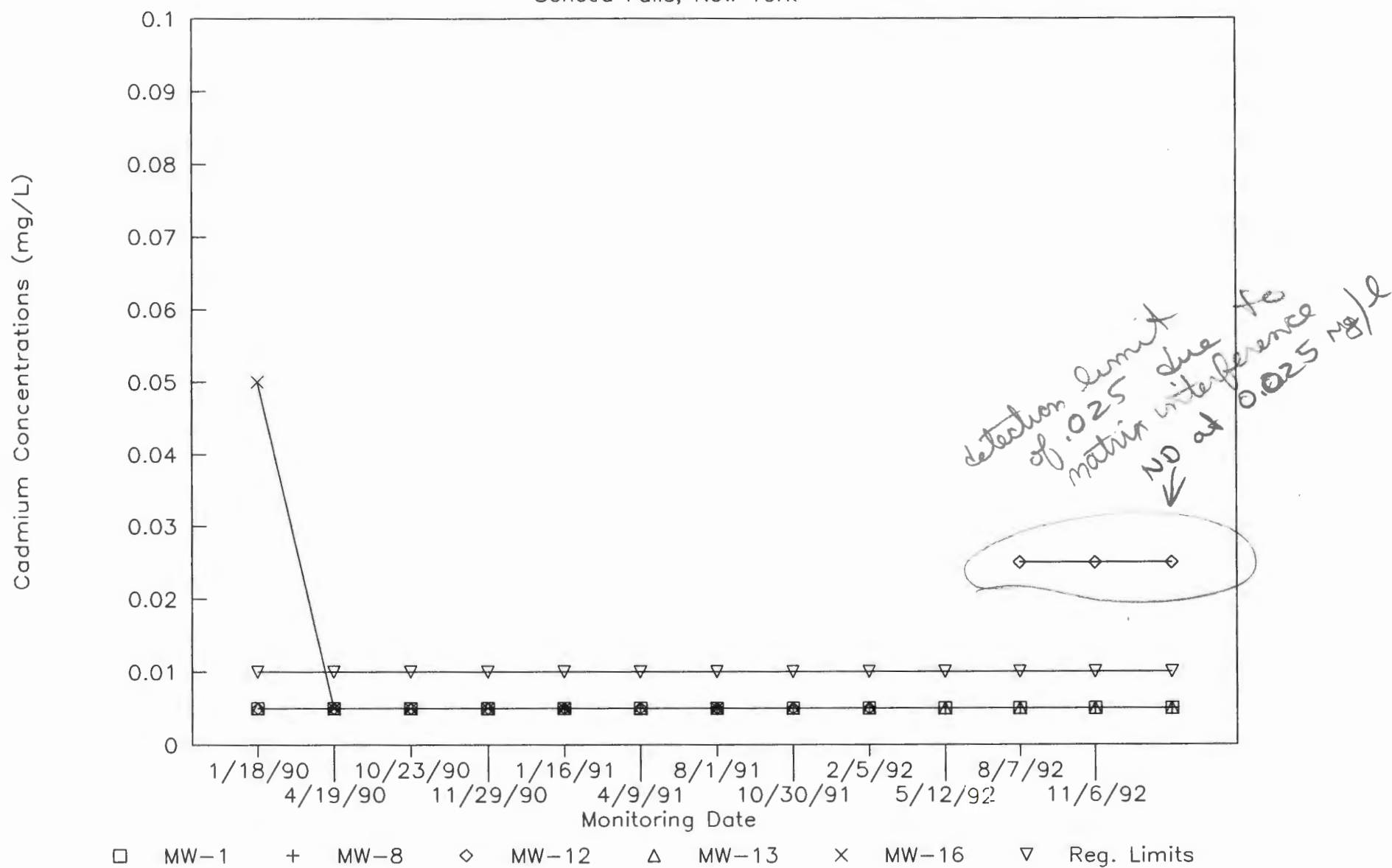
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		SAMPLE #	SAMPLE #	SAMPLE #	SAMPLE #
		02/01/89	04/28/89	08/11/89	10/05/89
		01230	04008	08035	10684
CADMIUM	MG/L	<0.005	<0.005	<0.01	0.05
CHROMIUM	MG/L	<0.01	<0.01	0.02	<0.01
FLUORIDE	MG/L	0.63	0.14	0.46	0.40
LEAD	MG/L	<0.02	<0.02	N/A	N/A
CHLORIDE	MG/L	3	2	23	7.0
MANGANESE	MG/L	<0.01	<0.01	N/A	N/A
SODIUM	MG/L	6.5	5.0	8.7	8
SULFATE	MG/L	114	836	118	131
PH	SU	7.1	7.4	7.3	7.9
SPECIFIC CONDUCTANCE	UMHOS/CM	811	895	804	730
TOTAL ORGANIC CARBON	MG/L	10	14	6.2	15
TOTAL ORGANIC HALOGEN	MG/L	<0.005	<0.005	<0.005	0.063
FIELD PH	SU	7.1	7.0	7.0	7.5
FIELD SPECIFIC CONDUCTANCE	UMHOS/CM	825	820	705	675
TEMPERATURE	C	16	16.4	15.3	15.2
GROUND WATER ELEVATION	FT MSL	423.70	423.75	423.71	423.65
CALCIUM	MG/L	120	129	103	90
MAGNESIUM	MG/L	N/A	N/A	46	43
NICKEL	MG/L	<0.01	<0.01	0.01	<0.01
ZINC	MG/L	<0.01	<0.01	0.03	<0.01

APPENDIX D

**GRAPHICAL PRESENTATION OF GROUNDWATER
ANALYTICAL RESULTS
POST CLOSURE MONITORING
AUGUST 1989 TO DECEMBER 1992**

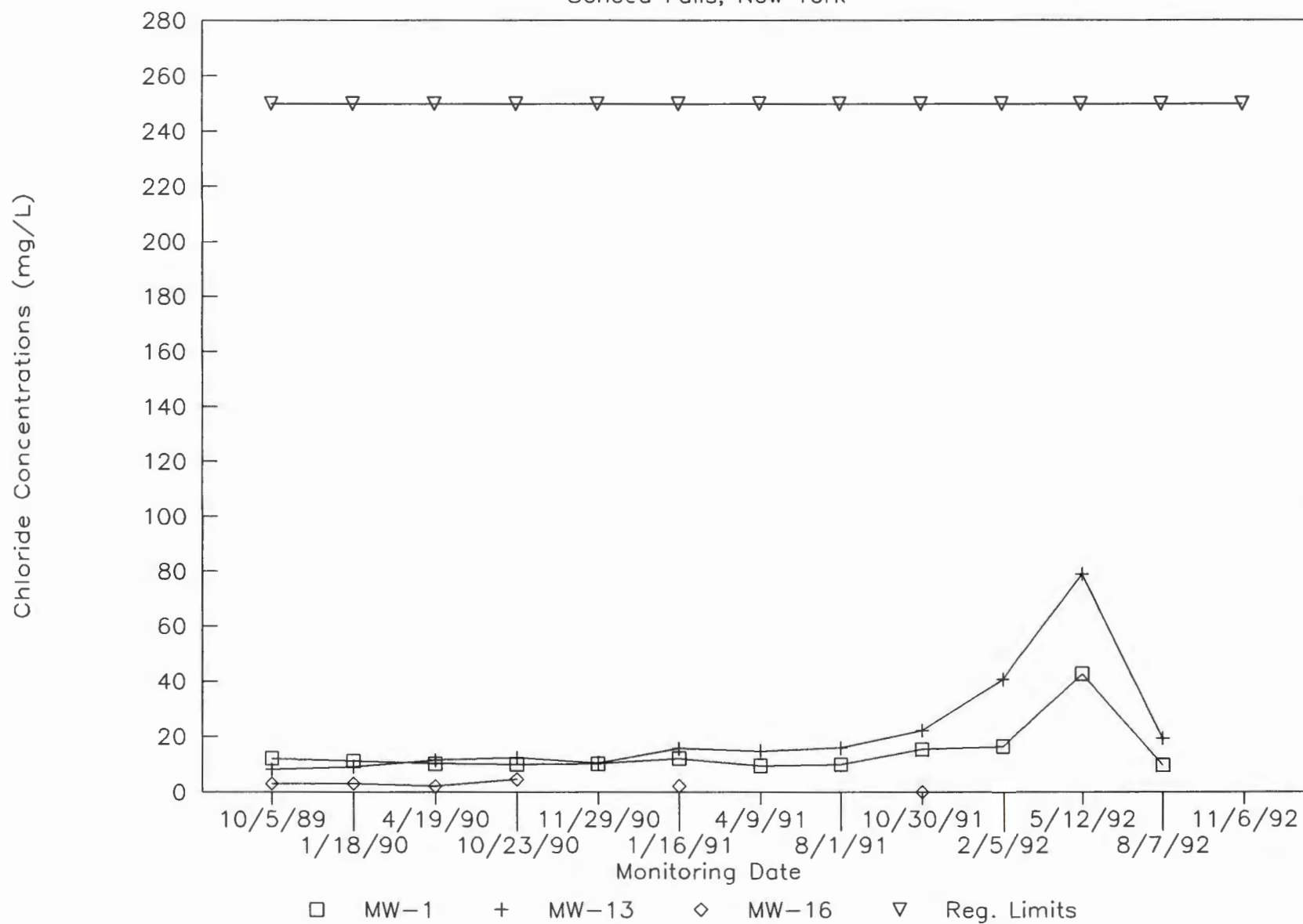
Post Closure Monitoring

Seneca Falls, New York



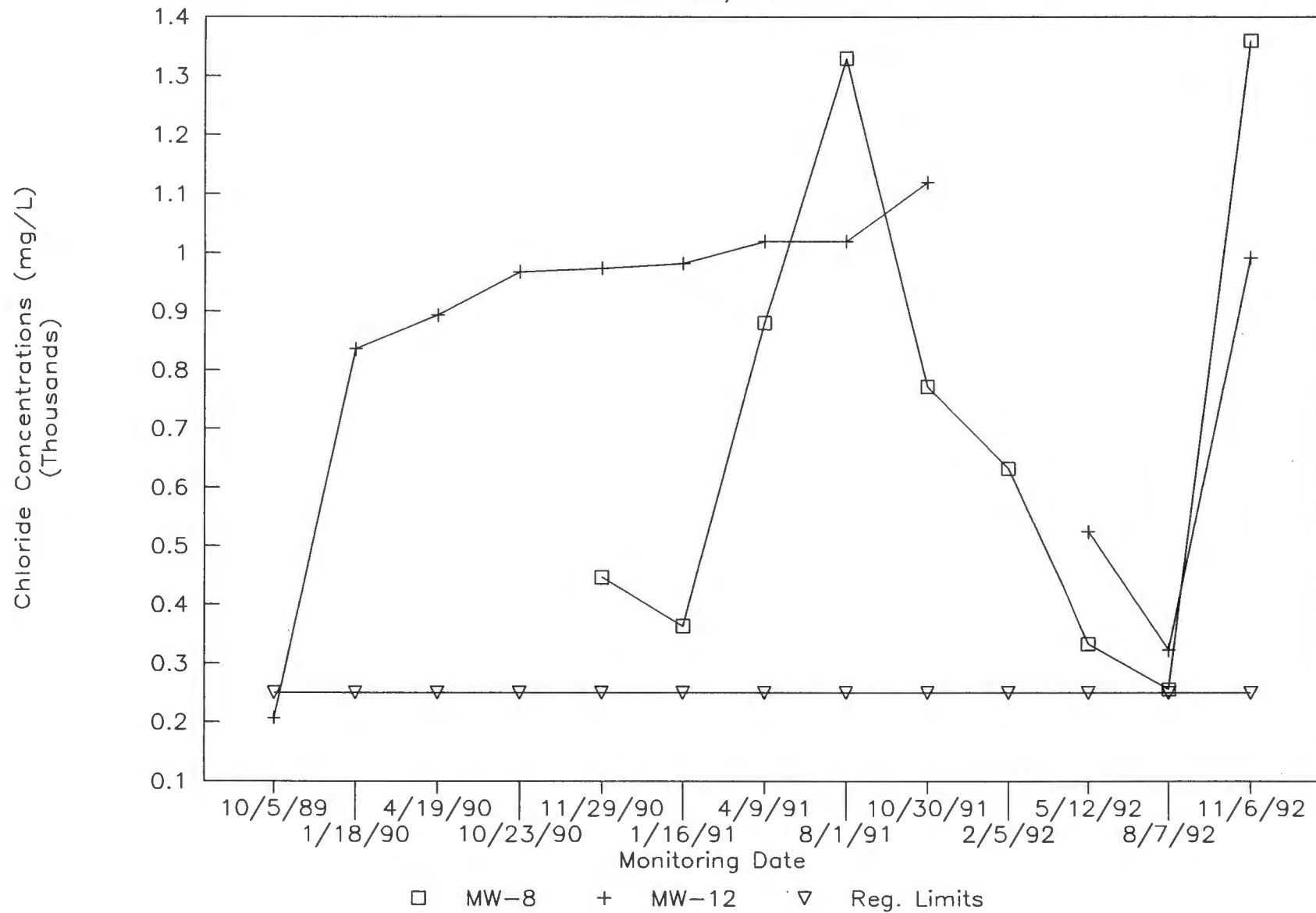
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Seneca Falls, New York



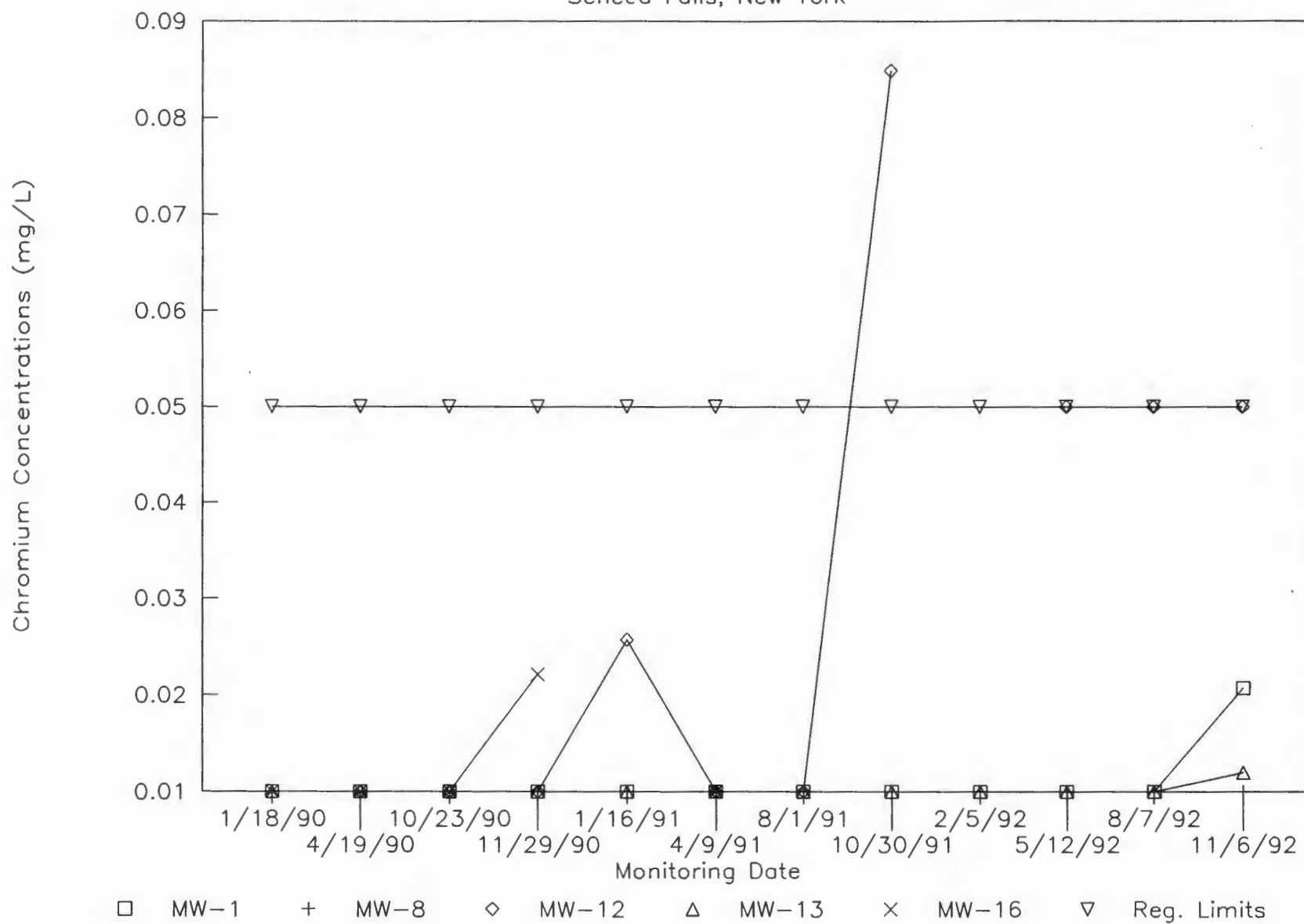
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Seneca Falls, New York



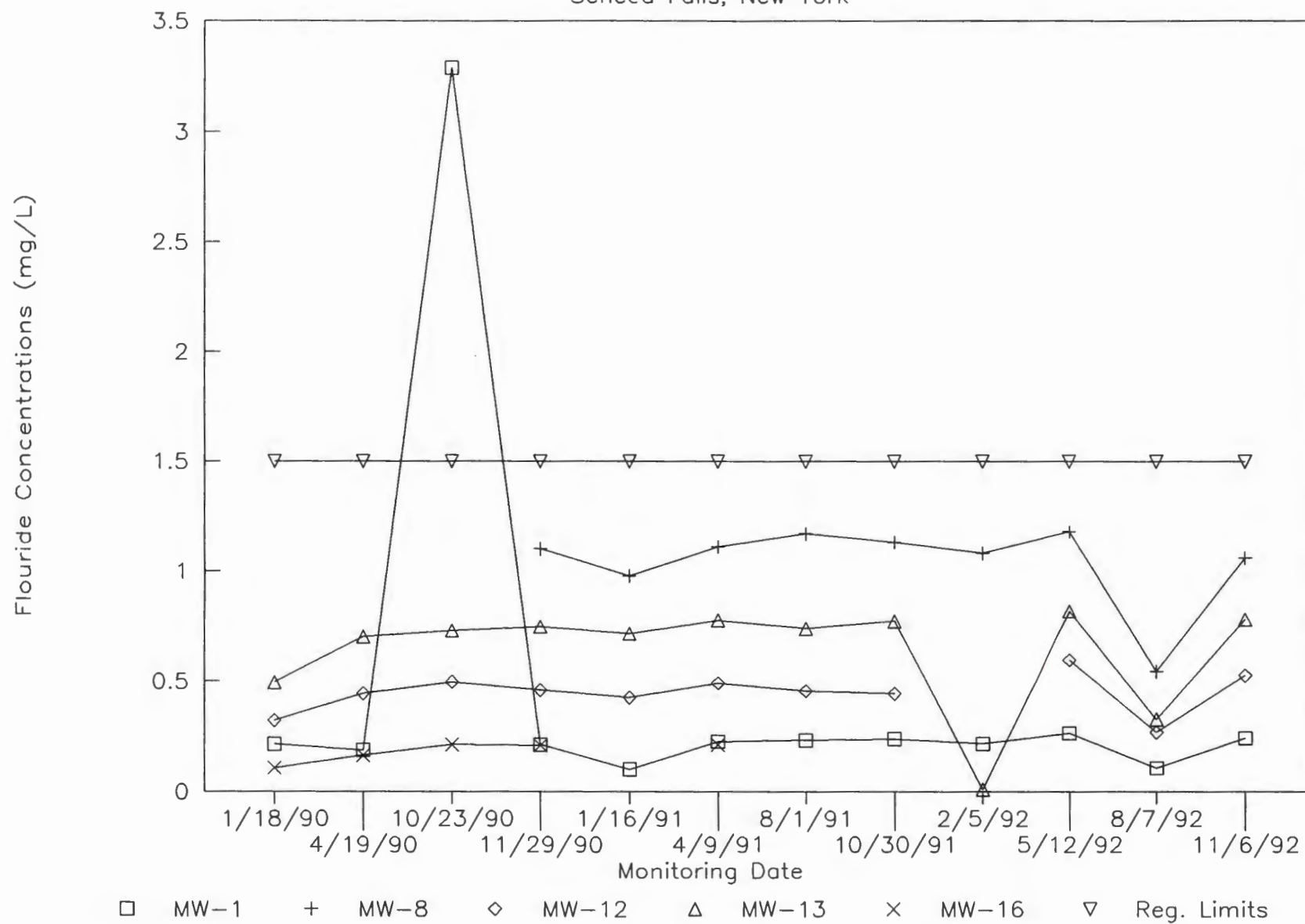
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Seneca Falls, New York



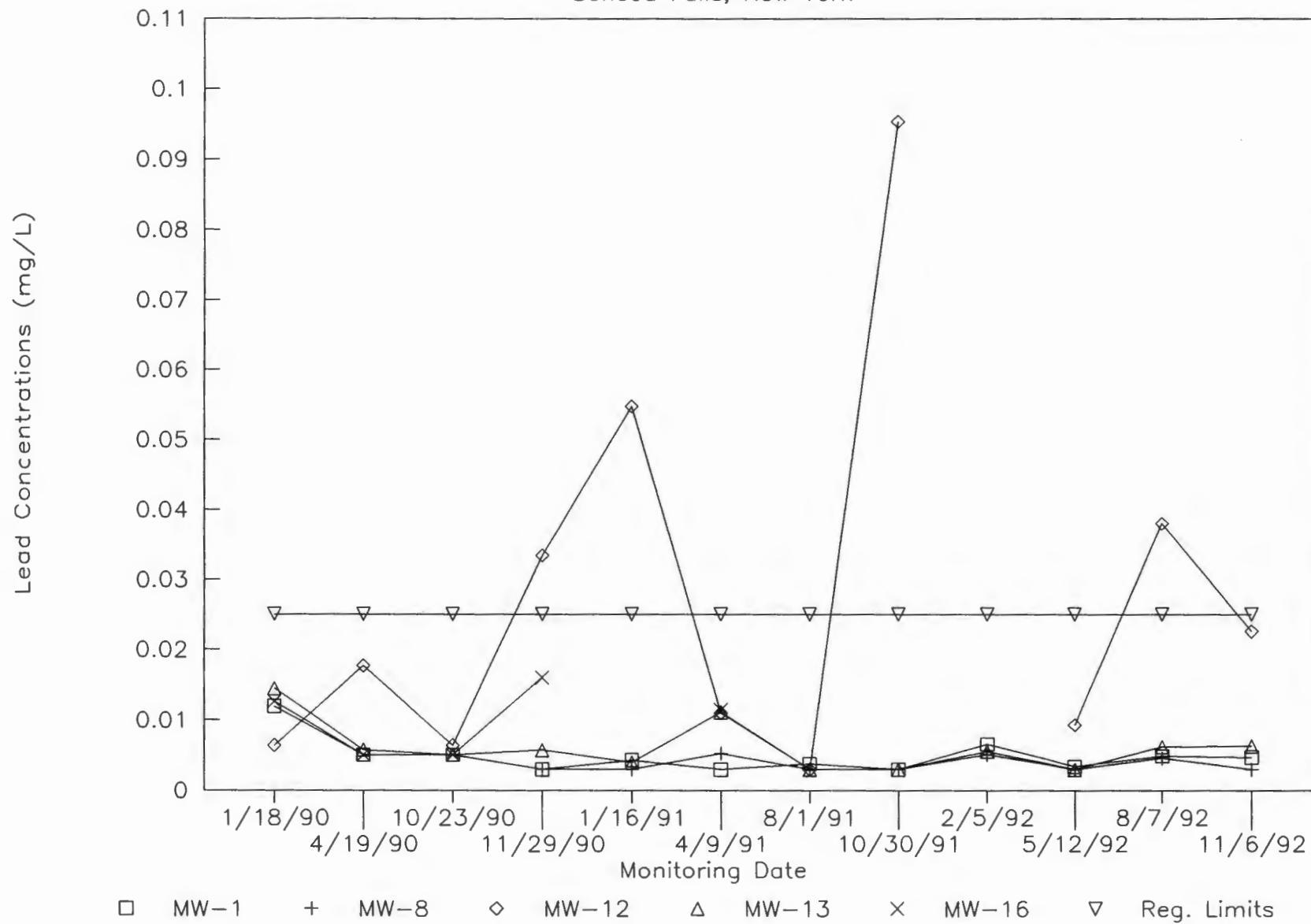
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Seneca Falls, New York



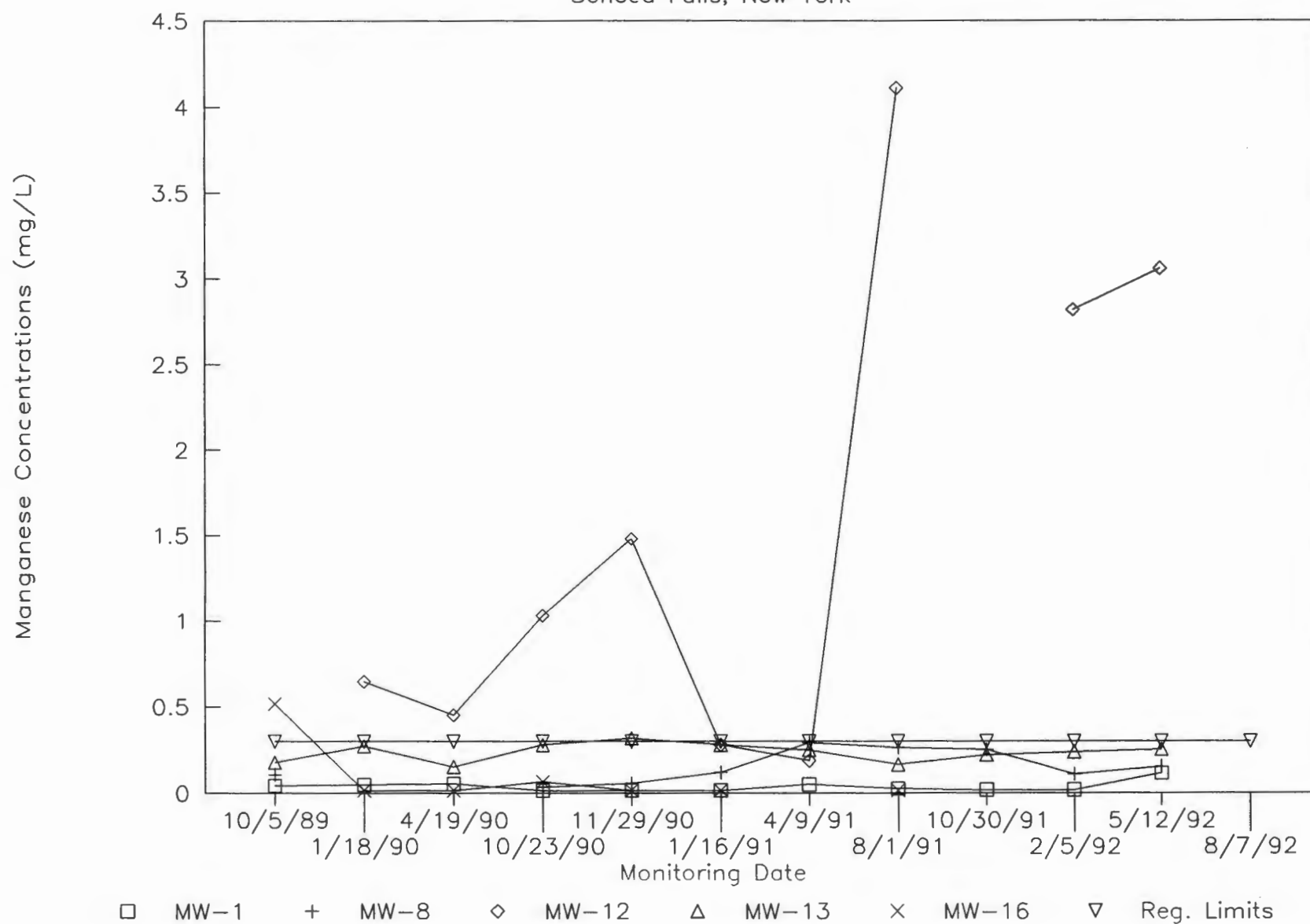
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Seneca Falls, New York



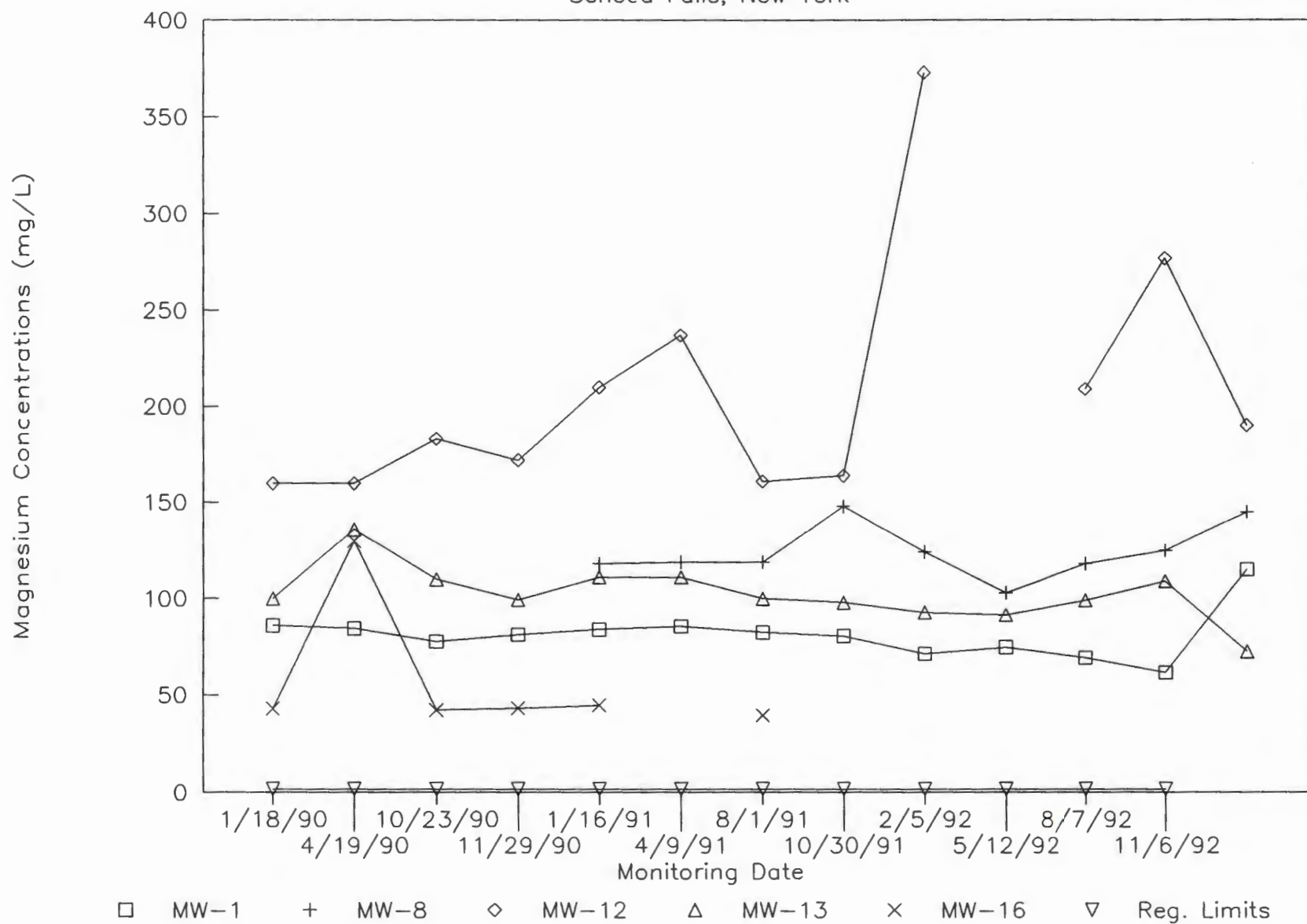
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Seneca Falls, New York



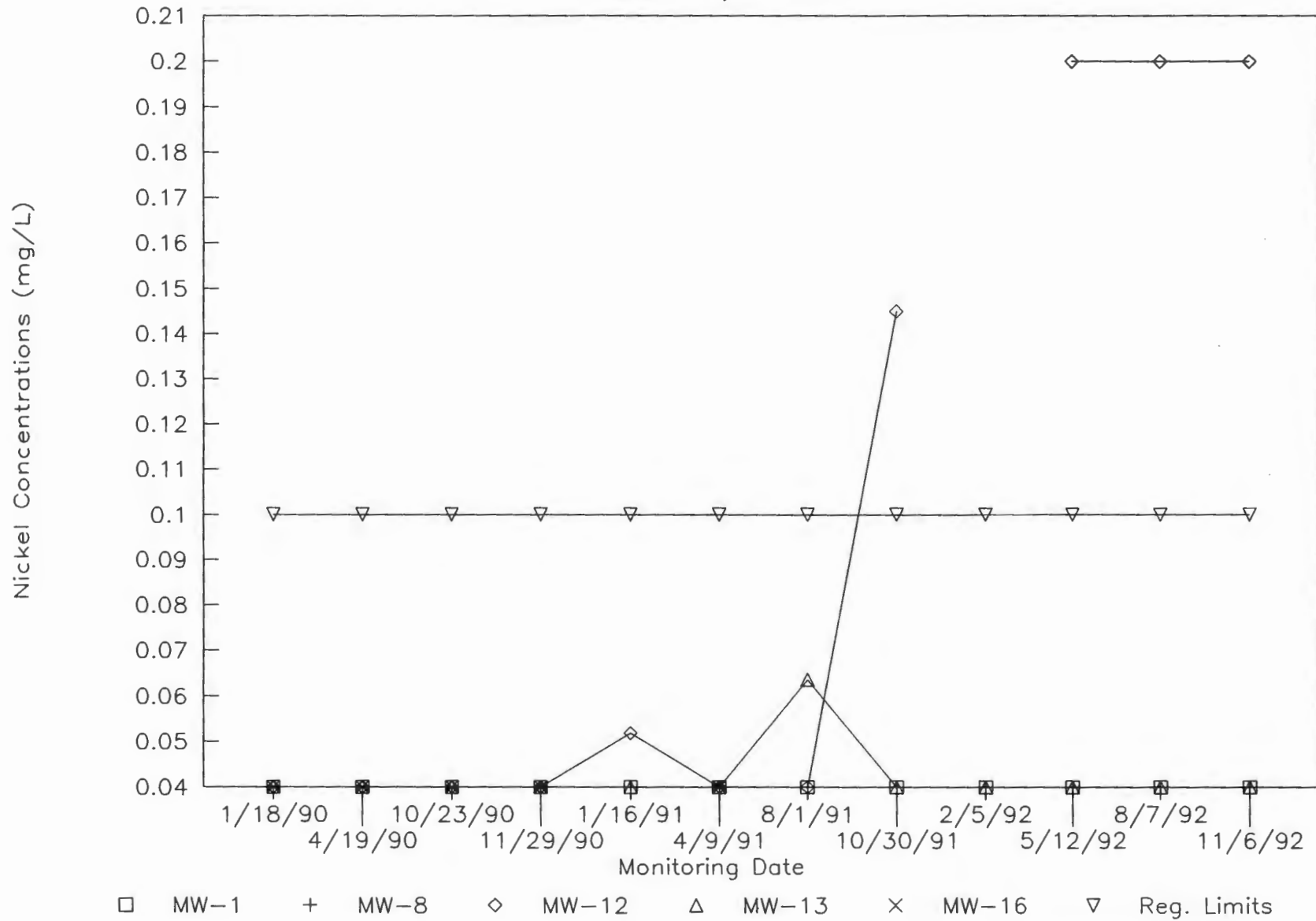
Post Closure Monitoring

Seneca Falls, New York



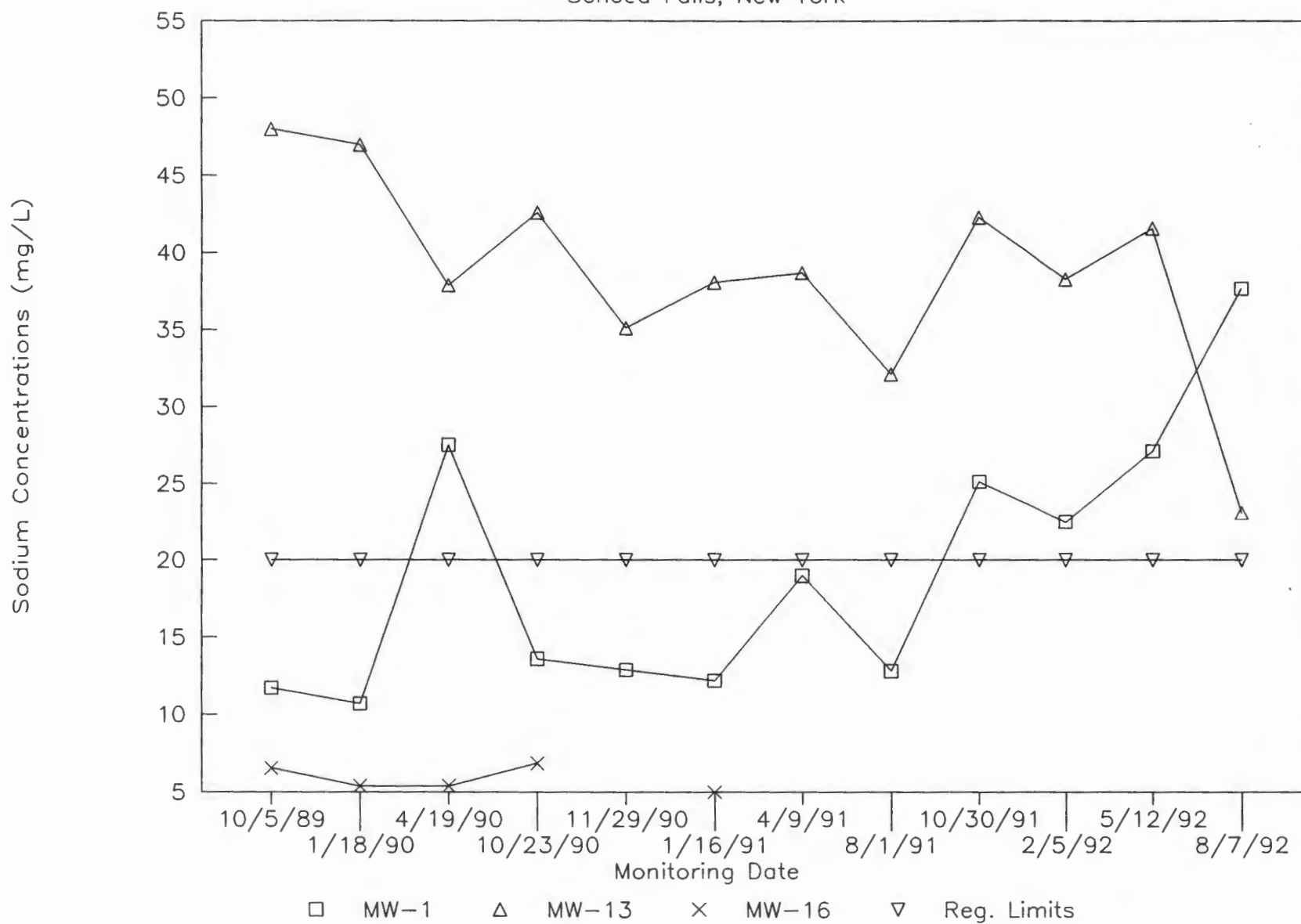
Post Closure Monitoring

Seneca Falls, New York



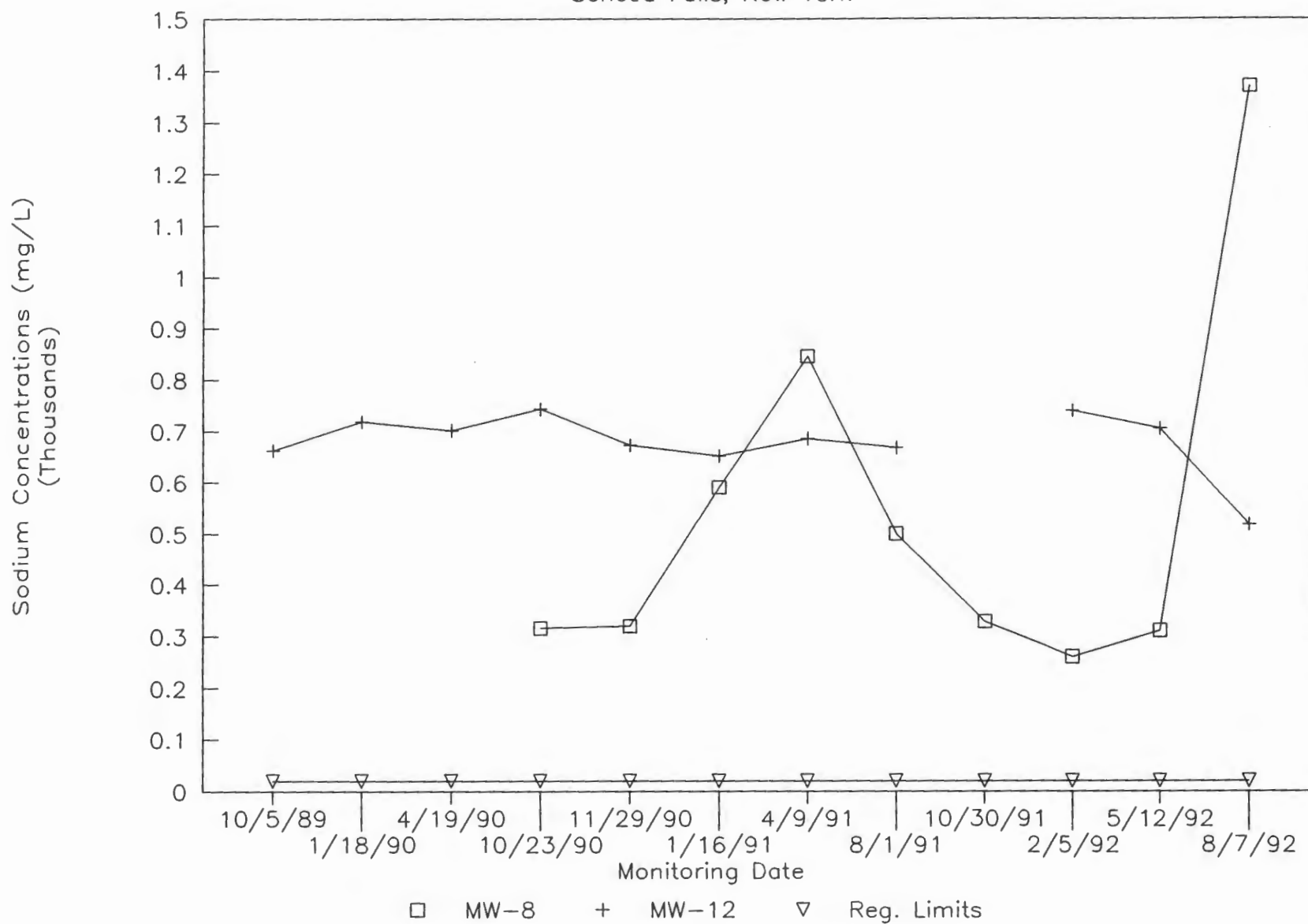
Post Closure Monitoring

Seneca Falls, New York



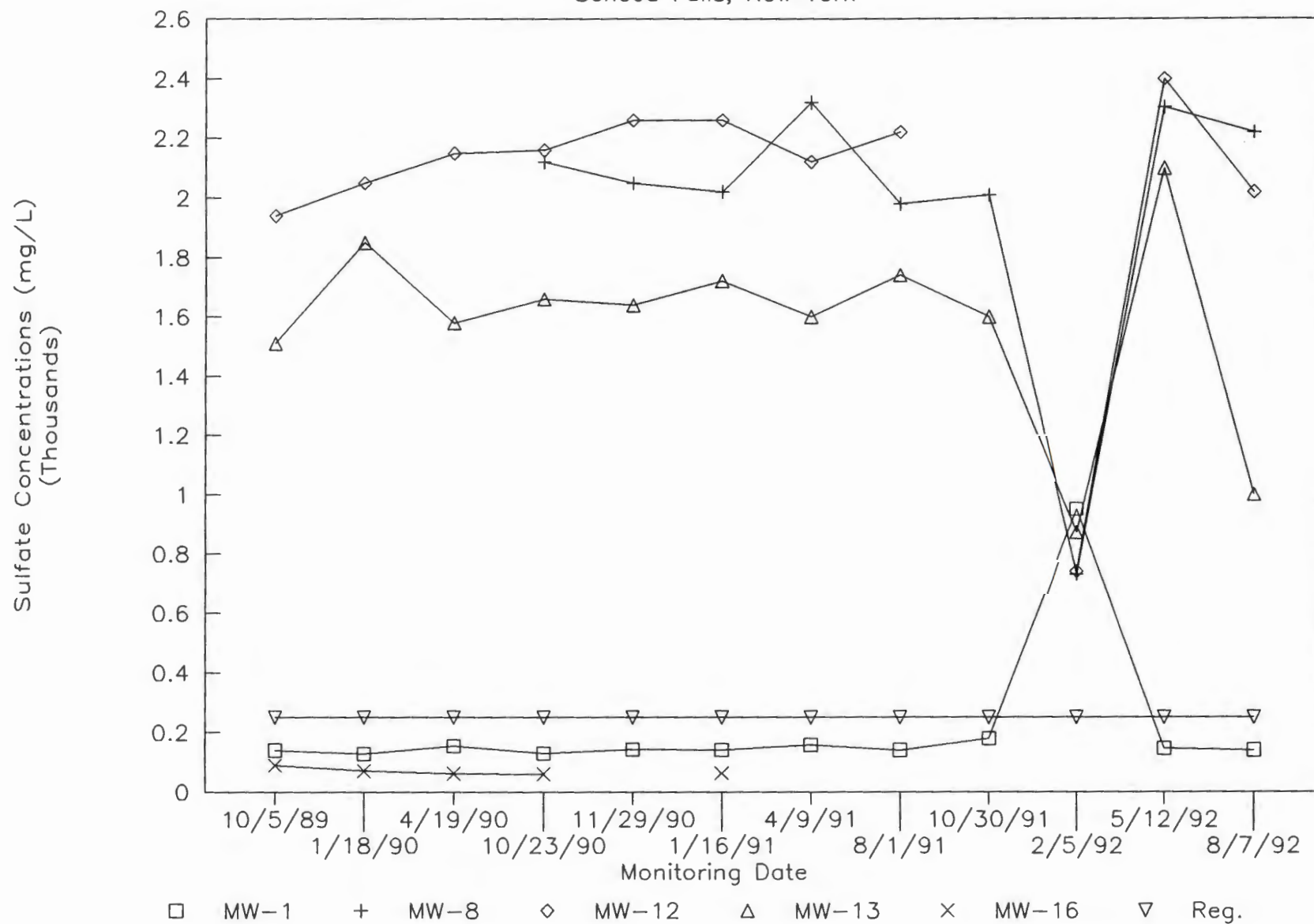
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Seneca Falls, New York



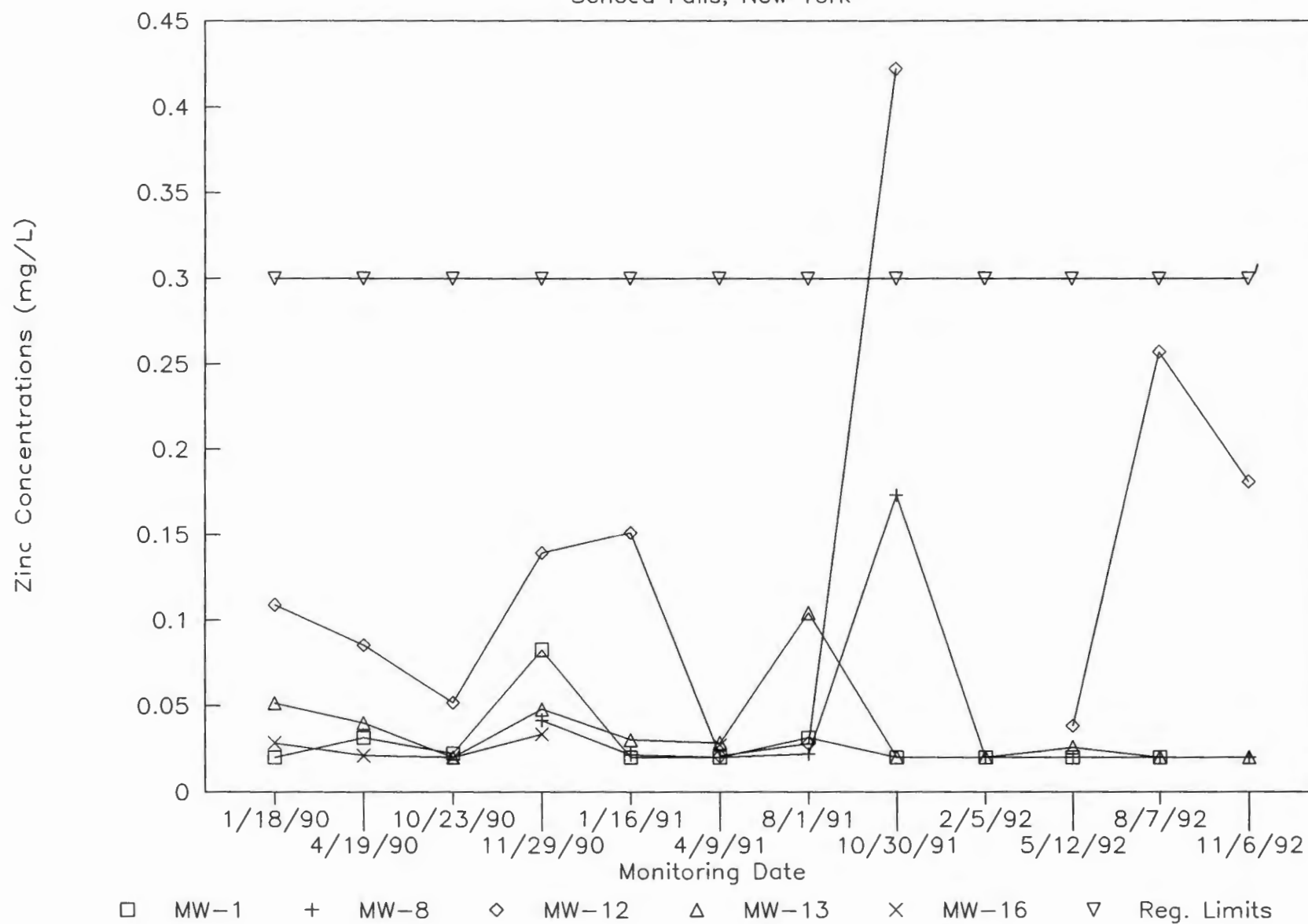
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Seneca Falls, New York



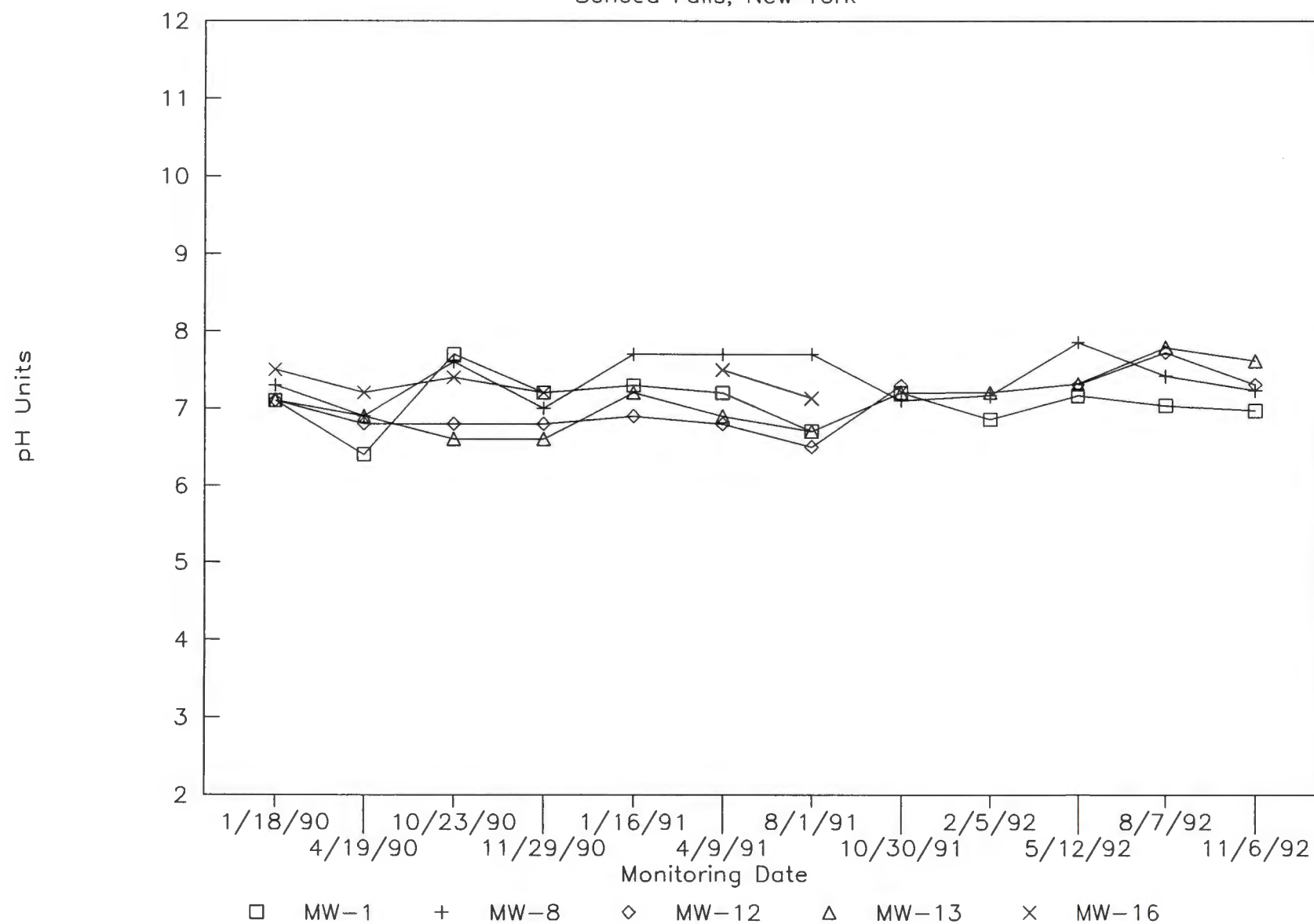
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Seneca Falls, New York



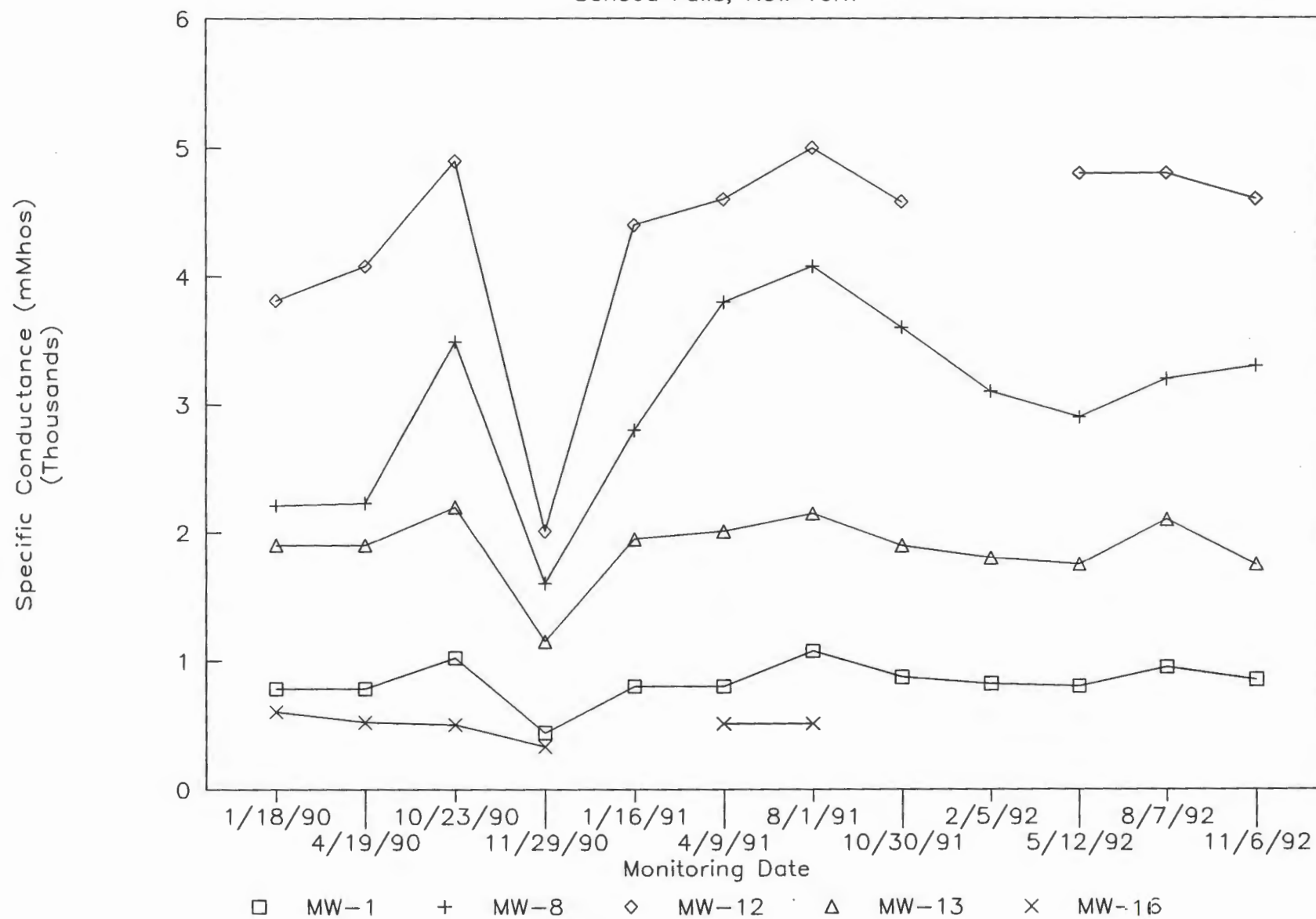
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Seneca Falls, New York



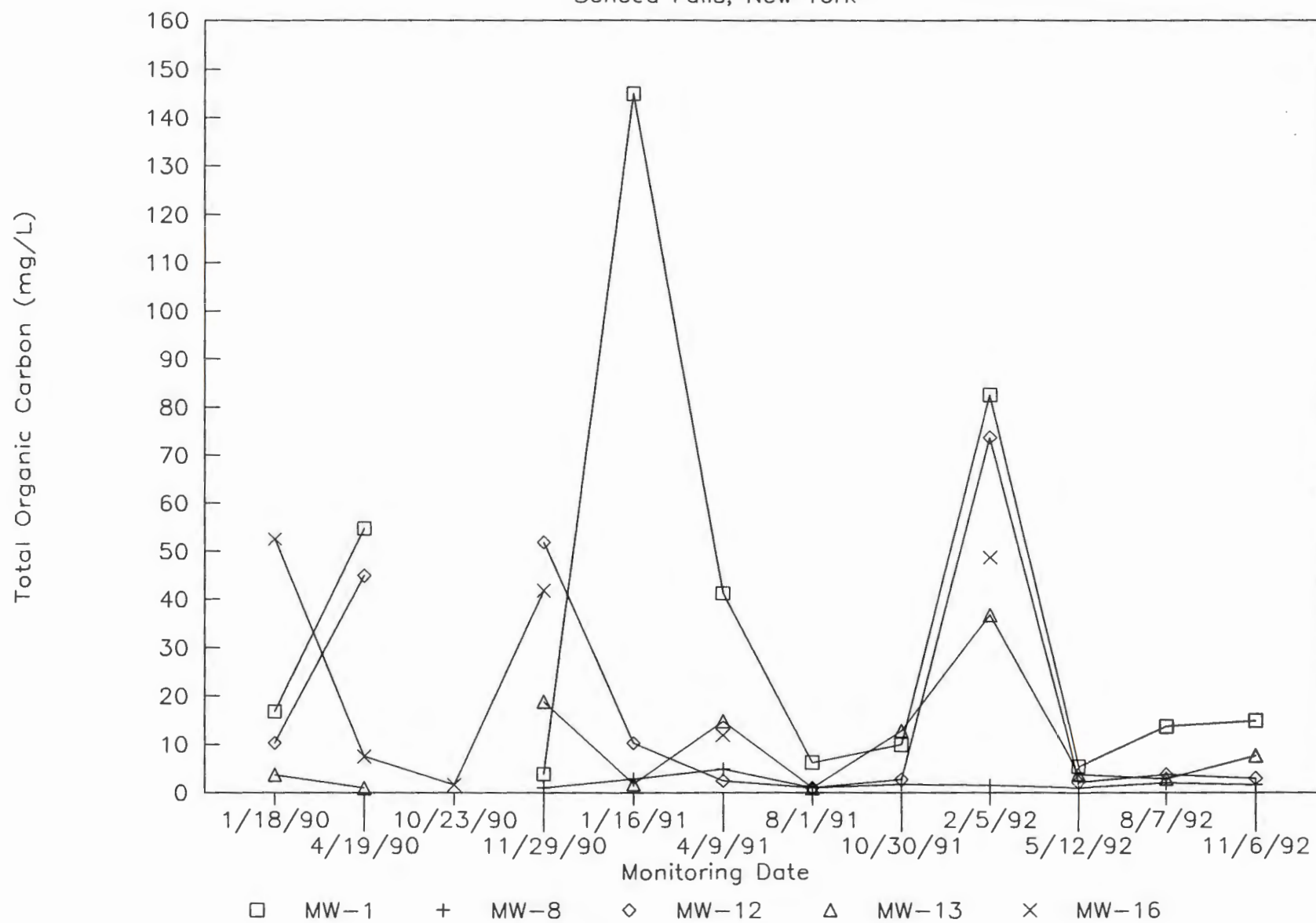
Post Closure Monitoring

Seneca Falls, New York



Post Closure Monitoring

Seneca Falls, New York



Post Closure Monitoring

Seneca Falls, New York

