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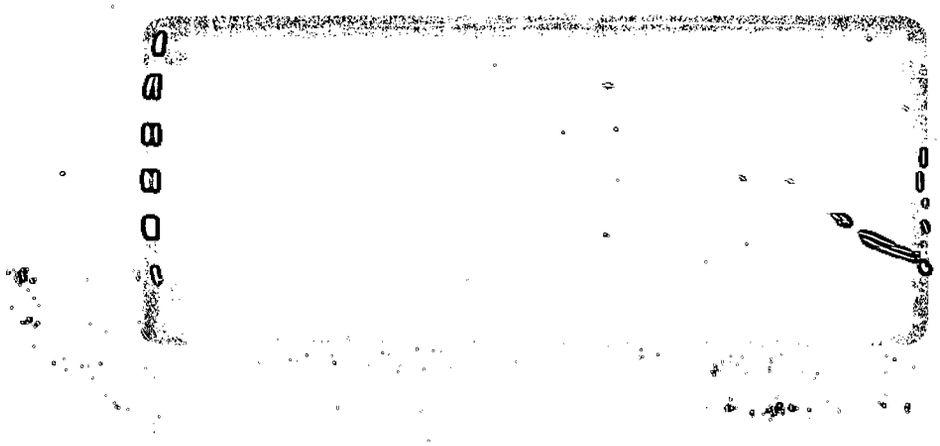

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REPORT ON

JANUARY 1996 QUARTERLY, SEMI-ANNUAL AND ANNUAL GROUND WATER MONITORING EVENT AND SUMMARY OF OFF-SITE AND ON-SITE GROUND WATER EXTRACTION SYSTEM OPERATION TEXTRON REALTY OPERATIONS WHEATFIELD, NEW YORK VOLUME 1 OF 2

Submitted to:

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DISTRIBUTION:

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March 1996 953-9103

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March 20, 1996

953-9103

Textron Realty Operations
P.O. Box 70
2221 Niagara Falls Boulevard
Niagara Falls, New York 14304-0070

Attention: Mr. John Devic

RE: REPORT ON JANUARY 1996 QUARTERLY, SEMI-ANNUAL AND ANNUAL GROUND WATER MONITORING EVENT AND SUMMARY OF OFF-SITE AND ON-SITE GROUND WATER EXTRACTION SYSTEM OPERATION, TEXTRON REALTY OPERATIONS, WHEATFIELD, NEW YORK

Gentlemen:

Golder Associates Inc. (Golder Associates) is pleased to submit the above referenced Report on January 1996 Quarterly, Semi-Annual and Annual Ground Water Monitoring Event and Summary of Off-Site and On-Site Ground Water Extraction System Operation. This report presents the results of the ground water quality sampling activities conducted for the Textron Realty Operations (Wheatfield) Inc. (TRO) facility (formerly Bell Aerospace Textron) located in Wheatfield, New York, during January 1996. This report also presents a summary of the performance of the Off-Site Ground Water Extraction System and the On-Site Ground Water Extraction and Pre-Treatment System from December 1995 through February 1996.

As required, Golder Associates is providing as an enclosure to this report, computer diskettes containing the laboratory analytical data in comma delimited, ASCII format, and the hydraulic monitoring data in Lotus® format.

Golder Associates appreciates the opportunity to provide continuing professional engineering services to TRO. If you have any questions regarding this report, please do not hesitate to call.

Very truly yours,

GOLDER ASSOCIATES INC.

Anthony L. Grasso, P.G.
Project Director/Associate

ALG/KFN:dml
Attachments
F/N: FNLQTR.DOC

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1. INTRODUCTION

1.1 Background

This report provides the results of the January 1996 quarterly, semi-annual, and annual ground water sampling activities conducted at the Textron Realty (Wheatfield) Operations Inc. facility (TRO) (formerly Bell Aerospace Textron) , located in Wheatfield, New York. In addition, this report presents a summary the system operations for the Off-Site Ground Water Extraction System (Off-Site System) and On-Site Ground Water Extraction and Pre-Treatment System (On-Site System), during the period between December 1995 through February 1996 (Quarter).

The field procedures and analytical methods for the sampling program were conducted in general accordance with the Revised Ground Water Monitoring Plan (GWMP) (Golder Associates Inc., (Golder Associates) February 1993) and the Corrective Measures Implementation Plan for the On-Site Ground Water Extraction System (Golder Associates, March 1993). The specific sampling locations and frequency of sampling was conducted in accordance with the effectiveness monitoring program outlined in the Annual Summary and System Performance Off-Site and On-Site Ground Water Extraction System Report (Golder Associates, March 1995) and amended by the New York State Department of Environmental Conservation (NYSDEC) (i.e. monitoring well 87-19(1) will continue to be sampled on a semi-annual basis rather than an annual basis and monitoring well 89-06(1) will continue to be sampled on an annual basis rather than be decommissioned, as stated in the above referenced document).

The summary of the operational results of the Off-Site and On-Site System during this Quarter is presented herein in accordance with TRO's NYSDEC Title 6 New York Code of Rules and Regulations (6NYCRR) Part 373 Post-Closure Permit, effective September 14, 1992 (Permit No. 9-2940-00001/0000790). The summary of system operations for both of the On-Site and Off-Site System is for the period from December 1, 1995 through February 29, 1996.

1.2 Scope and Organization of Report

Section 1.0 provides an overview of the project and provides the organizational structure of the report. Section 2.0 provides an overview of the field sampling activities regarding the hydraulic monitoring measurements, the ground water monitoring well sampling, and ground water extraction well sampling procedures. Section 3.0 provides an overview of the laboratory analytical methodologies and results; Section 4.0 provides an overview of the Off-Site and On-Site System operations for the Quarter; and Section 5.0 provides a brief summary of the hydraulic monitoring data, the laboratory data, and Off-Site and On-Site System operations.

2. FIELD SAMPLING ACTIVITIES

2.1 General

Field sampling activities were performed by Golder Associates personnel according to the procedures detailed in the GWMP. The January 1996 quarterly, semi-annual and annual ground water monitoring event (January 1996 Monitoring Event) was performed on January 29, 1996 through February 5, 1996 for the 41 monitoring wells and 11 extraction wells listed in Table 1 and shown on Figure 1. Hydraulic monitoring was performed concurrently with the sampling activities for both the extraction and monitoring wells listed in Table 1. The following sections provide a discussion of the field activities and procedures associated with the hydraulic monitoring and ground water sampling programs.

2.2 Hydraulic Monitoring

Golder Associates personnel performed hydraulic monitoring activities concurrently with sampling. Ground water elevations were measured at each monitoring well to be sampled by using an electronic water level meter. Ground water elevations were recorded from either the in-vault displays at each extraction well or manually by using an electronic water level meter prior to sampling. A summary of the water level measurements obtained during the January 1996 Monitoring Event is presented in Table 2. In addition, the water level elevations and potentiometric contours from the Zone 1 wells sampled during this event are presented on Figure 2.

2.3 Monitoring Well Sampling

The January 1996 Monitoring Event consisted of sampling 39 of 41 monitoring wells as listed in Table 1 and whose locations are referenced on Figure 1. Monitoring well 89-SW-1 was dry during this sampling event, and therefore, could not be sampled. Monitoring well 89-07(1A) could not be sampled due to an obstruction in the well riser pipe

approximately 4.5 feet below the top of riser (BTOR), due to what is assumed to be frost damage. TRO has scheduled this well for repair before the next quarterly sampling event.

The physical integrity of each well was initially inspected prior to sampling. The air inside the riser pipe as well as the ambient air in the breathing zone were monitored using an organic vapor monitor (OVM) equipped with a photoionization detector (PID) for volatile organic compounds (VOCs) prior to and during well evacuation. No detections of VOCs over 5 parts per million in the breathing zone were noted during sampling.

Water level measurements were recorded and the volume of standing water in the well was calculated. Three times the calculated volume of standing water was purged from each well, or the well was purged until it was deemed "dry", by utilizing a dedicated stainless steel bailer or peristaltic pump with dedicated polyethylene (PE) tubing. All purge water was collected and transported to TRO for proper disposition. The ground water quality was monitored during purging and sampling by obtaining readings for pH, specific conductance, and temperature. Sample Collection Information Forms detailing the field observations for each well are provided in Appendix A and the results are summarized in Table 3.

The samples collected were analyzed for either United States Environmental Protection Agency (USEPA) SW-846 Method 8240 (Method 8240) or USEPA SW-846 Method 8260 (Method 8260) volatile organics as specified in Table 1. Each sample was immediately put into a cooler filled with ice to maintain the sample at an approximate temperature of 4 degrees Celsius (°C). The samples were then shipped under chain-of-custody procedures to Friend Laboratory, Inc. (FLI) of Waverly, New York, via overnight courier for analysis. The chain-of-custody forms are provided in Appendix B.

2.4 Extraction Well Sampling

The sampling of eleven extraction wells (EW-2 through EW-8 and DW-9 through DW-12, respectively) was accomplished on January 29, 1996, January 31, 1996 and February 5,1996. The location of each extraction well is shown on Figure 1. Sampling of and entry into each of the extraction wells was conducted according to procedures outlined in the GWMP and in accordance with applicable Occupational Safety and Health Administration confined space entry regulations. Each extraction well was inspected, prior to entering, to ensure that the vault entranceway was free of obstructions. The ambient air inside the vaults was analyzed for lower explosive limit, percent oxygen, hydrogen sulfide, and carbon monoxide using a multi-gas meter prior to entry. The VOC concentrations in each vault were analyzed using an OVM prior to entry. Readings of ambient air quality parameters greater than background concentrations were recorded. During the sampling of all extraction wells, the submersible pump in each extraction well was allowed to operate for at least five minutes prior to sample collection, in order to obtain a representative aliquot of ground water. Dedicated tubing attached to each well's sampling port was purged for approximately one minute prior to collection. Ground water quality was monitored during purging and sampling by obtaining readings for pH, specific conductance, and temperature. A Sample Collection Information Form detailing the field observations and measurements for each well is provided in Appendix A and the results are summarized in Table 3. Each sample was immediately placed in a cooler with ice in order to maintain the sample at an approximate temperature of 4°C. The samples were then shipped under chain-of-custody procedures to FLI via overnight carrier for analysis. Chain-of-custody forms are provided in Appendix B. The samples collected from the extraction wells were analyzed for Method 8240 volatile organics only.

3. LABORATORY ANALYTICAL METHODS AND RESULTS

3.1 Analytical Methods

All ground water samples collected were analyzed for VOCs only. Method 8240 or Method 8260 were used for all analyses performed during this event.

3.2 Analytical Results

A summary of detected compounds for the January 1996 Monitoring Event is presented in Table 4. A copy of the laboratory analytical data report from each sampling point as well as the associated quality assurance/quality control (QA/QC) data are presented in Appendix C.

3.3 QA/QC Samples

Laboratory prepared trip blanks accompanied each shipment of samples (a total of six) and were analyzed for either Methods 8240 and 8260 VOCs. In addition, three field blanks were prepared and analyzed; two for Method 8240 and one for Method 8260 VOCs. Also, three duplicate samples were collected and analyzed, sample identification (ID)-BAT96012989051BDUP (monitoring well 89-05 (1B)), ID-BAT96013189141DUP (monitoring well 89-14 (1)) for Method 8240 VOCs and ID-BAT96013089071BDUP (monitoring well 89-07 (1B)), for Method 8260 VOCs. Matrix spike and matrix spike duplicate (MS/MSD) samples were collected from three wells. Monitoring well 89-18 (1) had MS/MSD samples analyzed for Method 8260 VOCs and monitoring wells 89-04 (1) and 93-03 (1) had MS/MSD samples analyzed for Method 8240 VOCs. All method-specific QA/QC blanks were analyzed for either Method 8240 or 8260 VOCs. Results of these QA/QC samples are presented in Appendix C.

3.4 Data Review

The data review employed for this project consists of verifying that analytical holding times were not exceeded, review of the data to insure QA/QC criteria specific to the method had been met, and a review of the MS/MSD and duplicate results.

All holding times, method specific QA/QC criteria, Golder Associates designated MS/MSD, and duplicate results were met for the January 1996 Monitoring Event. QA/QC criteria associated with the January 1996 Monitoring Event are further discussed in the FLI report, as presented in Appendix C. The data are considered to be acceptable and usable as presented herein.

3.5 Data Deliverables

The analytical data presented in Appendix C has been provided on computer diskette, as an enclosure to this report, in ASCII comma delimited format. A hard copy of this ASCII file is provided in Appendix D. The format of the ASCII file has been set up as follows:

LAB ID, ORIGIN, DATE SAMPLED, ANALYTE, RESULT, PQL

Where:

LAB ID	=	FLI laboratory sample identification number;
ORIGIN	=	Golder Associates sample identification number;
DATE SAMPLED	=	Date sampled;
ANALYTE	=	Specific VOC analyte analyzed according to Method 8240 or Method 8260;
RESULT	=	Concentration in mg/L or, if non-detected, the practical quantitation limit is listed; and
PQL	=	Practical quantitation limit.

4. SUMMARY OF OFF-SITE AND ON-SITE EXTRACTION SYSTEM OPERATIONS

4.1 Review of Off-Site and On-Site System Operations

4.1.1 Off-Site System

Off-Site System operations during the Quarter focused on decreasing the susceptibility of the flow and level controllers to electrical damage. The flow and level controllers in several of the vaults of the Off-Site System have been damaged on more than one occasion, apparently due to lightning strikes in the vicinity of the power line right-of-way adjacent to the Off-Site System. TRO has designed and placed on order several modifications to the flow and level controllers which should reduce or eliminate the damage done by lightning strikes. These modifications are scheduled to be installed next quarter.

Extraction well EW-6 was not operable during the hydraulic monitoring event, as the well was temporarily shut-down (for approximately two days) to replace a defective pump starter. Since the level controller was also off-line because of the repair, the water level was measured manually.

During the Quarter, the average pumping rate for well EW-2 was approximately 18 gallons per minute (gpm); the average pumping rate for EW-3 was approximately 12 gpm; and the average pumping rate for wells EW-4, EW-5, and EW-6 was approximately 8 gpm, per well. Total system flow is approximately 52 gpm.

4.1.2 On-Site System

On-Site System operations during this Quarter consisted of general maintenance, modifications to the treatment plant to increase the rate of influent throughput, and hydrogeologic improvements to reduce the influence of recharge to the Zone 1 aquifer in the on-site area (Figure 1).

Under the category of general maintenance, the stainless steel surge tank was replaced due to defective welds. A weld seam on the cooling water jacket of the thermal oxidizer fractured, due to inadequate cooling resulting from a buildup of scale. The system was taken off-line from February 24, 1996, to March 7, 1996, to accomplish this repair and other routine maintenance tasks. A longterm solution to the scaling problem is under evaluation by TRO.

To improve the rate of system influent throughput, and thus increase the effective pumping rates at each extraction well, the size of the air stripper discharge pumps has been increased. Additionally, the scrubber overflow discharge piping has been modified to allow the municipal water discharge to be routed to the pH adjustment tank instead of the surge tank. The second modification, to be implemented pending NCSD approval, will increase influent processing rate of the system by approximately 8 gpm because the system will no longer have to process municipal water used for cooling.

During this Quarter, the approximate average flow rates for the On-Site extraction wells were from 4 to 5 gpm per well, which equates to a current influent treatment rate of approximately 24 to 26 gpm. However, the On-Site System periodically cycles on and off due to pumping limitations at the treatment plant. When the above two modifications are implemented, the On-Site System should be able to process approximately 45 gpm, an increase of approximately 80 percent compared to the current flowrate. The effective pumping rates at the individual wells should show approximately proportional increases, though undoubtedly flow adjustments will be made to concentrate the extra processing capacity at the particular extraction wells where it is most required to achieve system design goals.

As discussed in the October 1995 quarterly monitoring event report, TRO is implementing hydrogeologic modifications to the On-Site System to reduce recharge to the Zone 1 aquifer in the vicinity of the on-site area. These modifications, which include "clay stops" to be installed in the sanitary sewer trench along Walmore Road (as a seepage control

measure) and the installation of a pipeline system on-site, which will extend to the existing Walmore Road storm sewer (to hydraulically isolate the "rocket test cooling water discharged by Atlantic Research Corporation (ARC)), have proceeded from the design phase to the point of issuance of a Statement of Work. These modifications are scheduled for implementation in the Spring/Summer of 1996.

4.2 Discharge Monitoring

Off-Site System

As required by TRO's Niagara County Sewer District No. 1 (NCSD) Industrial Discharge Permit (No. 95-07), effective January 31, 1995, the extracted ground water from the Off-Site System is required to be monitored on a monthly and semi-annual basis. Results of the sewer discharge monitoring indicate that TRO was in compliance with the NCSD permit during this Quarter.

On-Site System

As required by TRO's NCSD Industrial Discharge Permit (No. 94-09), effective January 1, 1994, the extracted ground water from the On-Site System is required to be monitored on a weekly, monthly, and quarterly basis. Results of the sewer discharge monitoring indicate that TRO was in compliance with the NCSD permit during this Quarter.

4.3 Evaluation

4.3.1 Chemical Data for Off-Site and On-Site Systems

Twelve ground water monitoring events have been performed since the start-up of the Off-Site System, and the last eight events have been completed under the combined off-site and on-site effectiveness monitoring program. During this Quarter, 39 of 41 monitoring wells and eleven On-Site and Off-Site extraction wells were sampled (one monitoring well was dry and one monitoring well was damaged) during this event. The samples were analyzed for USEPA Method 8240 and 8260 VOCs.

The analytical results of this Quarter of sampling were compared to historical sampling data. The results of this quarterly sampling event are comparable to the historical variability of constituent concentrations detected in previous sampling events, with the following exceptions: no detections of VOCs in the sample obtained from well 89-04(1), increased concentrations of VOCs detected in samples obtained from wells 87-14(0) and 87-04(1) and a low level (10 ug/L) detection of acetone in well 89-06(1), compared to the previous quarters. The non-detection of VOCs at well 89-04(1), located southeast of the TRO facility (see Figure 2), is an indication that operation of the Off-Site System is successfully reducing the extent of the contaminant plume in Zone 1. Figure 2 also presents the approximate limit of the dissolved phase plume in the Zone 1 bedrock aquifer based on the ground water quality monitoring data obtained during the January 1996 monitoring event. The increase detections of VOCs at 87-14(0) and 87-04(1), located on-site (see Figure 2), are likely related to the operation of the On-Site System. These two monitoring wells are located in the vicinity of on-site extraction wells. An increase in VOCs, as detected in ground water samples obtained from wells 87-14(0) and 87-04(1), is an indication that the On-Site System is "drawing" contaminants in the Zone 1 ground water toward the extraction wells, as anticipated. The detection of acetone in well 89-06(1) appears to be anomalous and/or laboratory related, since well 89-06(1) is upgradient of the dissolved phase plume due to pumping the Off-Site System. No other noticeable trends of have been observed when comparing this Quarter's ground water chemistry data to previous data.

4.3.2 Hydraulic Response for Off-Site and On-Site Systems

Off-Site System

A ground water equipotential map of the Zone 1 bedrock aquifer in the vicinity of the On-Site and Off-Site System for the January 1996 quarterly monitoring event is presented on Figure 2. A review of this map indicates there is a consistent and significant overlap of the cone-of-depression and the contaminant plume in the off-site area, which is one of the design goals of the system. Ground water flow directions, as shown by the arrows on

Figure 2, have remained relatively consistent with in the developed cone-of-depression. The flow direction is towards the five pumping extraction wells of the Off-Site System.

On-Site System

The hydraulic response of the On-Site System has generally met the design expectations of establishing a zone of ground water capture over the DNAPL plume; maintaining an upward gradient between the Zone 3 and Zone 1 aquifers; maintaining a downward gradient between the overburden and the Zone 1 aquifer; and establishing a ground water zone of capture along the southern property boundary of the TRO facility.

A ground water capture zone has been created by operation of the On-Site System, in the Zone 1 aquifer, over the DNAPL plume. An examination of the Zone 1 equipotential map for the on-site area for January 1996 (as shown on Figure 3), indicates that the operation of the On-Site System is producing a hydraulic capture zone in Zone 1 over the DNAPL plume. Ground water flow that may not be captured by the On-Site System's DNAPL wells (i.e. DW-9 through DW-12) is subsequently captured by either extraction well EW-8 or by the capture zone created by the Off-Site System.

However, as shown on Figure 3, at the time ground water level measurements were obtained at extraction wells EW-7 and EW-8, and adjacent monitoring wells during the January 1996 monitoring event, the On-Site System had not established a ground water capture zone in Zone 1 along the southern boundary of the on-site area. This is primarily due to the cyclical on/off operation of the On-Site Treatment System (as configured prior to the upgrades outlined in Section 4.1.2). When the On-Site Treatment System cycles the extraction wells on, a cone-of depression is established within the Zone 1; when the On-Site Treatment System cycles the extraction wells off, the water level in Zone 1 recovers to pre-pumping conditions. Although extraction wells EW-7 and EW-8 were pumping when the water level measurements were obtained, a cone-of depression had not yet developed, as observed during the previous quarterly monitoring event. Continuous

operation of the On-Site Treatment System (as currently configured) should result in a capture zone along this southern boundary of the on-site area. In order to better define this capture zone, TRO was requested to install an additional pair of Zone 1 piezometers in the area between EW-7 and EW-8, as stated in a letter from the NYSDEC dated September 22, 1995. The wells are scheduled to be installed before the April 1996 monitoring event.

Data from the January 1996 hydraulic monitoring event (presented in Table 2) indicates that a desired upward gradient, between Zones 3 and 1, and downward gradients, between the overburden and Zone 1, are present in every well cluster measured. Figure 4 presents a plot of water level elevations verses time for monitoring wells 87-04(1) (a Zone 1 well) and 87-04(3) (a Zone 3 well), obtained with automatic data loggers, from March 1995 through February 1996. Note that the data from well 87-04(1) during February 1996 are not shown on Figure 4 due to a malfunction in the data logger which is scheduled to be replaced in April 1996. The plot shows that an upward gradient from Zone 3 to Zone 1 has been continuously maintained between these wells during the Quarter, with only brief exceptions, likely due to precipitation events and/or on-site "rocket test cooling water" discharge events from ARC.

Table 5 presents a summary of vertical hydraulic gradients between Zones 1 and 3 based on the January 1996 hydraulic monitoring data. The data indicate that upward gradients range from 0.24 to 0.63 ft/ft at well pairs 87-02, 87-04, and 89-02, respectively. An upward hydraulic gradient equaling or exceeding 0.5 ft/ft, which is the desired upward gradient over the DNAPL plume, was observed at well pair 89-02.

5. SUMMARY

5.1 Hydraulic Monitoring Data

As discussed in Section 2.2, water level measurements were obtained from on-site and off-site monitoring wells and extraction wells between January 29, 1996, and February 5, 1996. Table 2 provides a summary of the water level measurements obtained during this event.

5.2 Laboratory Data

The analytical laboratory data presented herein represents the January 1996 Monitoring Event at the TRO facility. During the evaluation of this Quarter's data, Golder Associates compared the levels of constituents detected in the monitoring wells with historical sampling data. The results of the January 1996 Monitoring Event are comparable to the historical variability of constituent concentrations detected in previous sampling events except for the results from monitoring wells 87-14(0) and 87-04(1) which indicated an increase detection of VOCs compared to historical data. This increase in concentration is most likely attributable to the operation of the On-Site System. The decrease in VOC concentration noted in the northeastern portion of the dissolved phase plume in Zone 1 (as evidenced by no detections of VOCs in the sample obtained from well 89-04(1)). This decrease in VOC concentration is attributable to the continued operation of the Off-Site System. The low level detection of acetone in well 89-06(1) appears to be anomalous and/or laboratory related, since well 89-06(1) is upgradient of the dissolved phase plume due to pumping the Off-Site System.

5.3 Off-Site and On-Site System Performance

The hydraulic response of Zone 1 due to operation of the Off-Site System is consistent with the established zone of ground water capture observed during previous quarterly monitoring events. As such, the performance of Off-Site System is considered acceptable.

The performance of the On-Site System is achieving most design goals. The On-Site System has been effective in creating a ground water capture zone over the DNAPL plume. A ground water capture zone was not observed along the downgradient boundary of the TRO facility during this Quarter's monitoring event, due to cyclical on/off operation of the On-Site System. However, based on past hydraulic monitoring results, continuous operation of the On-Site System should result in the ground water capture zone(s) along the southern boundary of the facility. TRO will install two additional piezometers between EW-7 and EW-8 to aid in the evaluation of performance monitoring in this area. The On-Site System has also been effective in enhancing an upward hydraulic gradient between Zone 3 and 1 over the DNAPL plume. However, additional drawdown of the Zone 1 aquifer in the vicinity of the DNAPL plume is required in order to enhance the hydraulic capture zone in the area and meet the design goals. Modifications to the On-Site System Treatment Plant, as well as, drainage improvements to reduce infiltration to Zone 1 are currently being implemented by TRO to improve performance of the On-Site System.

GOLDER ASSOCIATES INC.

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Environmental Scientist

David C. Wehn
Staff Hydrogeologist

Anthony L. Grasso, P.G.
Project Director/Associate

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Golder Associates Inc., March 1993, "Corrective Measures Implementation Plan, On-Site System, Bell Aerospace Textron, Wheatfield, New York".

Golder Associates Inc., March 1995, "1994-1995 Annual Summary and System Performance Off-Site and On-Site Ground Water Extraction Systems, Bell Aerospace Textron, Wheatfield, New York".

TABLE 1
MONITORING POINTS FOR THE ON-SITE AND OFF-SITE
EFFECTIVENESS MONITORING PROGRAMS 1995-1997
JANUARY 1996 ANNUAL MONITORING EVENT
TEXTRON REALTY OPERATIONS
WHEATFIELD, NEW YORK

WELL NUMBER	FREQUENCY				ANALYTICAL METHOD
	QUARTERLY (A)	SHORT TERM QUARTERLY (B)	SEMI-ANNUALLY (C)	ANNUALLY (D)	
OFF-SITE EFFECTIVENESS MONITORING					
Zone 1 Wells					
87-20(1)			X		8240
87-21(1)			X		8240
89-04(1)			X		8240
89-05(1A)			X		8240
89-05(1B)				X	8240
87-19(1)			X		8260
89-03(1)				X	8260
89-06(1)				X	8260
89-07(1A)				X	8260
89-07(1B)				X	8260
89-16(1)				X	8260
89-17(1)				X	8260
89-18(1)				X	8260
93-02(1)				X	8240
93-03(1)				X	8240
94-02(1)				X	8240
TOTAL ZONE 1 SAMPLES PER EVENT	0	0	5	11	
TOTAL ZONE 1 SAMPLES PER YEAR	0	0	10	11	
Extraction Wells					
EW-2				X	8240
EW-3				X	8240
EW-4				X	8240
EW-5				X	8240
EW-6				X	8240
TOTAL EXTRACTION WELL SAMPLES PER EVENT	0	0	0	5	
TOTAL EXTRACTION WELL SAMPLES PER YEAR	0	0	0	5	
Sewer Trench Well					
SW-89(1)				X	8240
TOTAL SEWER TRENCH SAMPLES PER EVENT	0	0	0	1	
TOTAL SEWER TRENCH SAMPLES PER YEAR	0	0	0	1	

TABLE 1
MONITORING POINTS FOR THE ON-SITE AND OFF-SITE
EFFECTIVENESS MONITORING PROGRAMS 1995-1997
JANUARY 1996 ANNUAL MONITORING EVENT
TEXTRON REALTY OPERATIONS
WHEATFIELD, NEW YORK

WELL NUMBER	FREQUENCY				ANALYTICAL METHOD
	QUARTERLY (A)	SHORT TERM QUARTERLY (B)	SEMI-ANNUALLY (C)	ANNUALLY (D)	
ON-SITE AND OFF-SITE EFFECTIVENESS MONITORING					
Overburden Wells					
87-10(0)				X	8260
87-22(0)			X		8260
89-14(0)			X		8260
TOTAL OVERBURDEN SAMPLES PER EVENT	0	0	2	1	
TOTAL OVERBURDEN SAMPLES PER YEAR	0	0	4	1	
Zone 1 Wells					
87-12(1)		X			8240
87-18(1)		X			8240
87-22(1)		X			8240
89-14(1)				X	8240
89-15(1)		X			8240
TOTAL ZONE 1 SAMPLES PER EVENT	0	4	0	1	
TOTAL ZONE 1 SAMPLES PER YEAR	0	16	0	1	
Zone 3 Wells					
87-13(3)		X			8260
89-2(3)		X			8260
TOTAL ZONE 3 SAMPLES PER EVENT	0	2	0	0	
TOTAL ZONE 3 SAMPLES PER YEAR	0	8	0	0	
ON-SITE EFFECTIVENESS MONITORING					
Overburden Wells					
87-01(0)				X	8260
87-14(0)				X	8260
B-8				X	8260
87-18(0)			X		8260
87-20(0)			X		8260
87-23(0)			X		8260
TOTAL OVERBURDEN SAMPLES PER EVENT	0	0	3	3	
TOTAL OVERBURDEN SAMPLES PER YEAR	0	0	6	3	

TABLE 1
MONITORING POINTS FOR THE ON-SITE AND OFF-SITE
EFFECTIVENESS MONITORING PROGRAMS 1995-1997
JANUARY 1996 ANNUAL MONITORING EVENT
TEXTRON REALTY OPERATIONS
WHEATFIELD, NEW YORK

WELL NUMBER	FREQUENCY				ANALYTICAL METHOD
	QUARTERLY (A)	SHORT TERM QUARTERLY (B)	SEMI-ANNUALLY (C)	ANNUALLY (D)	
ON-SITE EFFECTIVENESS MONITORING					
Zone 1 Wells					
87-01(1)				X	8240
87-02(1)		X			8240
87-04(1)		X			8240
87-08(1)		X			8240
87-17(1)		X			8240
89-02(1)		X			8240
B-14(1)		X			8240
TOTAL ZONE 1 SAMPLES PER EVENT	0	6	0	1	
TOTAL ZONE 1 SAMPLES PER YEAR	0	24	0	1	
Zone 3 Wells					
87-02(3)		X			8260
TOTAL ZONE 3 SAMPLES PER EVENT	0	1	0	0	
TOTAL ZONE 3 SAMPLES PER YEAR	0	4	0	0	
DNAPL Extraction Wells					
DW-9				X	8240
DW-10				X	8240
DW-11				X	8240
DW-12				X	8240
TOTAL DNAPL SAMPLES PER EVENT	0	0	0	4	
TOTAL DNAPL SAMPLES PER YEAR	0	0	0	4	
Extraction Wells					
EW-7	X				8240
EW-8	X				8240
TOTAL EXTRACTION WELL SAMPLES PER EVENT	2	0	0	0	
TOTAL EXTRACTION WELL SAMPLES PER YEAR	8	0	0	0	
GRAND TOTAL SAMPLES PER EVENT	2	13	10	27	
GRAND TOTAL SAMPLES PER YEAR	8	52	20	27	

(A) Quarterly sampling to be conducted in January, April, July and October for two years of On-Site System operations and then semi-annually sampling will be conducted thereafter.

(B) For Zone 1 wells - Quarterly sampling to be conducted for the first year of On-Site System operation and then annually therafter.
For Zone 3 wells - Quarterly sampling to be conducted for the first two years of On-Site System operation and then annually thereafter.

(C) Semi-annual sampling to be initiated in January 1995 and conducted each January and July for a period of two years. In July 1997 convert to annual sampling thereafter.

(D) Annual sampling to be conducted in January.
A water level reading will be taken from each well shown during each monitoring event.

TABLE 2
SUMMARY OF HYDRAULIC MONITORING DATA
JANUARY 1996 ANNUAL MONITORING EVENT
TEXTRON REALTY OPERATIONS
WHEATFIELD, NEW YORK
(Measurements Recorded January 29 - February 5, 1996)

WELL NAME	TOP OF RISER ELEVATION (FT. MSL)	WATER LEVEL (FT. BTOR)	WATER LEVEL ELEVATION (FT. MSL)
87-01(0)	588.10	13.21	574.89
87-01(1)	587.99	15.78	572.21
87-02(1)	589.21	14.48	574.73
87-02(3)	588.63	12.25	576.38
87-04(1)	589.08	14.05	575.03
87-08(1)	589.48	13.50	575.98
87-10(0)	587.30	13.16	574.14
87-12(1)	583.84	15.83	568.01
87-13(3)	589.91	12.25	577.66
87-14(0)	589.56	10.38	579.18
87-17(1)	589.62	11.57	578.05
87-18(0)	585.95	11.91	574.04
87-18(1)	586.02	18.44	567.58
87-19(1)	581.47	13.23	568.24
87-20(0)	578.77	6.44	572.33
87-20(1)	579.01	10.70	568.31
87-21(1)	577.33	8.79	568.54
87-22(0)	583.80	9.80	574.00
87-22(1)	583.97	14.90	569.07
87-23(0)	587.27	4.89	582.38
89-02(1)	584.63	13.91	570.72
89-02(3)	584.80	9.67	575.13
89-03(1)	581.30	14.85	566.45
89-04(1)	577.92	7.14	570.78
89-05(1A)	577.56	13.87	563.69
89-05(1B)	577.77	9.92	567.85
89-06(1)	575.93	9.70	566.23
89-07(1A)	577.50	11.46	566.04
89-07(1B)	577.48	11.00	566.48
89-14(0)	587.45	9.21	578.24
89-14(1)	587.59	13.86	573.73
89-15(1)	588.76	15.22	573.54
89-16(1)	576.76	6.31	570.45
89-17(1)	577.59	6.37	571.22
89-18(1)	576.75	11.86	564.89
93-02(1)	579.05	16.54	562.51
93-03(1)	572.30	10.98	561.32
94-02(1)	574.30	8.07	566.23
B-8(0)	590.26	9.35	580.91
B-14(1)	589.54	14.49	575.05
89-SW(1)	581.18	DRY	DRY

TABLE 2
SUMMARY OF HYDRAULIC MONITORING DATA
JANUARY 1996 ANNUAL MONITORING EVENT
TEXTRON REALTY OPERATIONS
WHEATFIELD, NEW YORK
(Measurements Recorded January 29 - February 5, 1996)

WELL NAME	TOP OF RISER ELEVATION (FT. MSL)	WATER LEVEL (FT. BTOR)	WATER LEVEL ELEVATION (FT. MSL)
EW-2	568.15	N/A	561.46
EW-3	569.56	N/A	562.32
EW-4	570.07	N/A	553.80
EW-5	569.47	N/A	555.08
EW-6	568.17	7.83	560.34
EW-7	578.09	N/A	568.67
EW-8	575.73	6.76	568.97
DW-9	581.23	N/A	567.40
DW-10	581.06	N/A	572.69
DW-11	580.13	N/A	573.10
DW-12	577.59	N/A	571.43

NOTES:

BTOR = Below top of riser.
N/A = Not applicable, measurement taken from electronic readout in vault
DRY = No water present in well at time of measurement.
MSL = Mean sea level.

TABLE 3
SUMMARY OF FIELD SAMPLING MEASUREMENTS AND OBSERVATIONS
JANUARY 1996 ANNUAL MONITORING EVENT
TEXTRON REALTY OPERATIONS
WHEATFIELD, NEW YORK

SAMPLE ID	SAMPLE LOCATION	DATE SAMPLED	DEPTH TO GROUND WATER (BTOR)	VOLUME PURGED (GAL)	pH MEASUREMENTS		SPECIFIC CONDUCTANCE MEASUREMENTS (umhos/cm)		TEMPERATURE °(C)		PURGE/ SAMPLE DEVICE		REMARKS
					PURGE	SAMPLE	PURGE	SAMPLE	PURGE	SAMPLE	PURGE	SAMPLE	
BAT96020187010	87-01(0)	02/01/96	13.21	1.5	8.3	8.2	3500	3100	12.0	12.0	(1)	(1)	BROWN, TURBID
BAT96020187011	87-01(1)	02/01/96	15.78	7.0	8.3	8.2	3200	3000	12.0	11.0	(1)	(1)	SLIGHTLY TURBID
BAT96020187021	87-02(1)	02/01/96	14.48	8.0	8.7	8.6	3300	2900	10.0	8.0	(3)	(1)	CLEAR
BAT96020187023	87-02(3)	02/01/96	12.25	21.0	8.4	8.4	6800	6000	11.0	10.0	(1)	(1)	CLEAR
BAT96020287041	87-04(1)	02/02/96	14.05	8.0	8.4	8.3	2500	2500	10.0	10.0	(3)	(1)	CLEAR
BAT96020187081	87-08(1)	02/01/96	13.50	8.3	8.2	8.0	2600	2300	9.0	8.0	(3)	(1)	TURBID
BAT96020187100	87-10(0)	02/01/96	13.16	2.4	8.5	8.5	2300	2100	6.0	7.0	(1)	(1)	TURBID
BAT96013187121	87-12(1)	01/31/96	15.83	8.2	7.8	7.8	2900	2900	10.0	10.0	(3)	(1)	CLEAR, SLIGHT SULFIDE ODOR
BAT96020287133	87-13(3)	02/02/96	12.25	21.0	8.1	8.0	6500	6600	8.0	8.0	(1)	(1)	CLEAR, SULFIDE ODOR
BAT96020287140	87-14(0)	02/02/96	10.38	3.0	8.2	7.9	2400	2500	9.0	9.0	(1)	(1)	BLACK TURBIDITY
BAT96020187171	87-17(1)	02/01/96	11.57	8.5	8.1	8.1	3400	3000	10.0	9.0	(3)	(1)	CLEAR
BAT96013187180	87-18(0)	01/31/96	11.91	0.6	9.5	9.2	2500	2500	10.0	10.0	(1)	(1)	GRAY TURBIDITY
BAT96013187181	87-18(1)	01/31/96	18.44	5.8	8.3	8.2	3500	3500	12.0	11.0	(1)	(1)	GRAYISH TURBIDITY
BAT96013087191	87-19(1)	01/30/96	13.23	9.0	8.4	8.4	2700	1400	-	-	(3)	(1)	SLIGHTLY TURBID
BAT96013087200	87-20(0)	01/30/96	6.44	1.0	8.3	8.3	3100	3500	-	-	(1)	(1)	TURBID
BAT96013087201	87-20(1)	01/30/96	10.70	9.0	8.6	8.2	2200	3000	-	-	(3)	(1)	BLACK PARTICULATES
BAT96012987211	87-21(1)	01/29/96	8.79	11.0	8.2	8.2	2400	2400	-	-	(1)	(1)	CLOUDY, ORANGE COLOR
BAT96013187220	87-22(0)	01/31/96	9.80	0.4	8.2	*	2200	*	5.0	*	(1)	(1)	TURBID
BAT96013187221	87-22(1)	01/31/96	14.90	9.0	8.1	8.1	3100	2800	8.0	7.0	(3)	(1)	CLEAR
BAT96013187230	87-23(0)	01/31/96	4.89	4.5	8.3	8.3	1900	1900	-	-	(1)	(1)	BROWN TURBIDITY
BAT96013189021	89-02(1)	01/31/96	13.91	10.0	8.4	8.3	3400	3000	-	-	(3)	(1)	CLEAR
BAT96013189023	89-02(3)	01/31/96	9.67	24.0	7.9	8.0	5000	5000	-	-	(1)	(1)	CLEAR, STRONG SULFIDE ODOR
BAT96013089031	89-03(1)	01/30/96	14.85	9.0	8.3	8.3	1800	1900	-	-	(1)	(1)	OPAQUE TURBIDITY
BAT96013089041	89-04(1)	01/30/96	7.14	11.0	8.0	8.4	3800	3000	-	-	(3)	(1)	CLEAR
BAT96012989051A	89-05(1A)	01/29/96	13.87	13.0	7.9	7.9	3500	3500	-	-	(1)	(1)	CLEAR
BAT96012989051B	89-05(1B)	01/29/96	9.92	8.0	8.1	8.1	1700	1700	-	-	(1)	(1)	CLEAR
BAT96013089061	89-06(1)	01/30/96	9.70	20.0	8.2	8.2	3600	3600	-	-	(3)	(1)	CLEAR, SULFIDE ODOR
**	89-07(1A)	01/30/96	11.46	**	**	**	**	**	-	-	**	**	NOT SAMPLED, WELL DAMAGED
BAT96013089071B	89-07(1B)	01/30/96	11.00	15.0	8.8	9.7	3200	3400	-	-	(3)	(1)	SLIGHTLY MILKY, TURBIDITY
BAT96013189140	89-14(0)	01/31/96	9.21	1.5	8.4	8.4	3800	3400	-	-	(1)	(1)	RED-ORANGE TURBIDITY

TABLE 3
SUMMARY OF FIELD SAMPLING MEASUREMENTS AND OBSERVATIONS
JANUARY 1996 ANNUAL MONITORING EVENT
TEXTRON REALTY OPERATIONS
WHEATFIELD, NEW YORK

SAMPLE ID	SAMPLE LOCATION	DATE SAMPLED	DEPTH TO GROUND WATER (BTOR)	VOLUME PURGED (GAL)	pH MEASUREMENTS		SPECIFIC CONDUCTANCE MEASUREMENTS (umhos/cm)		TEMPERATURE °(C)		PURGE/ SAMPLE DEVICE		REMARKS
					PURGE	SAMPLE	PURGE	SAMPLE	PURGE	SAMPLE	PURGE	SAMPLE	
BAT96013189141	89-14(1)	01/31/96	13.86	9.0	8.2	8.3	3200	3100	-	-	(1)	(1)	CLEAR
BAT96020189151	89-15(1)	02/01/96	15.22	10.0	8.2	8.0	4200	4000	10.0	10.0	(1)	(1)	CLEAR, SULFIDE ODOR
BAT96013189161	89-16(1)	01/31/96	6.31	11.0	8.1	8.1	3200	3100	8.0	8.0	(1)	(1)	CLEAR
BAT96013089171	89-17(1)	01/30/96	6.37	11.0	7.9	8.0	3800	3700	-	-	(3)	(1)	CLEAR
BAT96013089181	89-18(1)	01/30/96	11.86	15.0	7.8	7.9	2800	2900	-	-	(1)	(1)	CLEAR
BAT96012993021	93-02(1)	01/29/96	16.54	11.0	7.8	7.8	1800	1800	-	-	(1)	(1)	CLEAR
BAT96012993031	93-03(1)	01/29/96	10.98	18.0	7.5	7.5	3100	3100	-	-	(3)	(1)	CLEAR, SLIGHT SULFIDE
BAT96013094021	94-02(1)	01/30/96	8.07	17.0	7.9	8.1	3600	3500	5.0	5.0	(3)	(1)	CLEAR, SLIGHT SULFIDE
BAT960129EW2	EW-2	01/29/96	N/A	1.0	8.1	8.0	2300	2200	-	-	(2)	(2)	CLEAR
BAT960129EW3	EW-3	01/29/96	N/A	1.0	8.2	8.1	2200	2100	-	-	(2)	(2)	CLEAR
BAT960129EW4	EW-4	01/29/96	N/A	1.0	8.2	8.1	1600	1600	-	-	(2)	(2)	CLEAR
BAT960129EW5	EW-5	01/29/96	N/A	2.0	8.0	7.8	3000	2900	-	-	(2)	(2)	CLEAR
BAT960202EW6	EW-6	02/02/96	N/A	2.0	8.2	8.1	1700	1800	9.0	9.0	(2)	(2)	CLEAR
BAT960131EW7	EW-7	01/31/96	N/A	2.0	8.8	8.0	3200	3000	10.0	11.0	(2)	(2)	SLIGHTLY TURBID, SULFIDE ODOR
BAT960131EW8	EW-8	01/31/96	N/A	2.0	8.1	8.0	3000	2900	11.0	10.0	(2)	(2)	CLEAR, SLIGHT SULFIDE ODOR
BAT960205DW7	DW-7	02/05/96	N/A	2.0	8.2	8.2	2000	1900	8.0	8.0	(2)	(2)	CLEAR
BAT960205DW10	DW-10	02/05/96	N/A	2.0	8.1	8.0	2700	2900	9.0	9.0	(2)	(2)	CLEAR, SULFIDE ODOR
BAT960205DW11	DW-11	02/05/96	N/A	2.0	8.2	8.3	2400	2600	9.0	9.0	(2)	(2)	CLEAR, SULFIDE ODOR
BAT960205DW12	DW-12	02/05/96	N/A	2.0	8.4	8.2	2900	3100	8.0	8.0	(2)	(2)	CLEAR, SULFIDE ODOR
BAT960202B8	B-8(0)	02/01/96	9.35	2.5	8.6	8.5	1100	1100	8.0	7.0	(3)	(1)	TURBID
BAT960201B141	B-14(1)	02/01/96	14.49	5.4	7.8	7.9	2700	2500	10.0	8.0	(3)	(1)	CLEAR
**	SW-1	01/30/96	DRY	**	**	**	**	**	**	**	**	**	WELL WAS DRY

NOTES:

BTOR = Below Top Of Riser
GAL = Gallons
> = Greater than
N/A = Measurement taken from electronic readout in the vault.
- = Not taken, the thermometer was broken.
* = Insufficient volume to allow collection of parameters.
** = Well not sampled

(1) Stainless Steel Bailer
(2) Dedicated Polyethylene (PE) Tubing
(3) Peristaltic Pump with PE Tubing

TABLE 4
SUMMARY OF GROUND WATER ANALYTICAL DATA
(DETECTED COMPOUNDS ONLY)
JANUARY 1996 ANNUAL MONITORING EVENT
TEXTRON REALTY OPERATIONS
WHEATFIELD, NEW YORK

SAMPLE LOCATION	87-01(1)	87-02(1)	87-02(3)	87-04(1)	87-08(1)	87-10(0)	87-12(1)
SAMPLE I.D.	BAT96020187011	BAT96020187021	BAT96020187023	BAT96020287041	BAT96020187081	BAT96020187100	BAT96013187121
SAMPLE DATE	2/1/96	2/1/96	2/1/96	2/2/96	2/1/96	2/1/96	1/31/96
UNITS	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
ANALYTICAL METHOD	EPA 8260	EPA 8240	EPA 8260	EPA 8240	EPA 8240	EPA 8260	EPA 8240
PARAMETER							
1 1 1-TRICHLOROETHANE	-	250	-	-	-	25	-
1 1 2-TRICHLOROETHANE	-	-	-	-	-	-	-
1 1-DICHLOROETHANE	-	-	-	-	-	6	-
1 1-DICHLOROETHENE	-	-	-	-	-	-	-
ACETONE	810	-	-	-	260	-	-
BENZENE	-	-	-	-	-	-	-
CARBON DISULFIDE	-	-	1	-	-	-	-
CARBON TETRACHLORIDE	-	-	-	-	-	4	-
CHLOROETHANE	-	-	-	-	-	0.8	-
CHLOROFORM	-	-	-	-	-	-	-
CIS-1 2-DICHLOROETHENE	1600	6800	-	3400	1200	211	10000
ETHYLBENZENE	-	-	-	-	-	-	-
METHYL ETHYL KETONE	810	-	-	-	-	-	-
METHYLENE CHLORIDE	-	820	-	5200	-	-	-
O-XYLENE	-	-	-	-	-	-	-
P-XYLENE/M-XYLENE	-	-	-	-	-	-	-
TETRACHLOROETHENE	-	-	-	-	-	-	-
TOLUENE	-	-	-	-	-	-	-
TRANS-1 2-DICHLOROETHENE	-	-	-	-	-	1	-
TRICHLOROETHENE	-	4000	-	11000	200	5	17000
VINYL CHLORIDE	440	300	-	-	76	-	-

NOTES:

- = Compound not detected at the Practical Quantitation Limit; refer to Appendix C for Practical Quantitation Limits.

* = Duplicate sample.

TABLE 4
SUMMARY OF GROUND WATER ANALYTICAL DATA
(DETECTED COMPOUNDS ONLY)
JANUARY 1996 ANNUAL MONITORING EVENT
TEXTRON REALTY OPERATIONS
WHEATFIELD, NEW YORK

SAMPLE LOCATION	87-13(3)	87-14(0)	87-17(1)	87-18(1)	87-19(1)	87-20(1)	87-21(1)	87-22(1)
SAMPLE I.D.	BAT96020287133	BAT96020287140	BAT96020187171	BAT96013187181	BAT96013087191	BAT96013087201	BAT96012987211	BAT96013187221
SAMPLE DATE	2/2/96	2/2/96	2/1/96	1/31/96	1/30/96	1/30/96	1/29/96	1/31/96
UNITS	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
ANALYTICAL METHOD	EPA 8260	EPA 8260	EPA 8240	EPA 8240	EPA 8260	EPA 8240	EPA 8240	EPA 8240
PARAMETER								
1 1 1-TRICHLOROETHANE	-	-	80	-	-	300	-	-
1 1 2-TRICHLOROETHANE	-	2	-	-	-	-	-	-
1 1-DICHLOROETHANE	-	2	-	-	-	35	-	-
1 1-DICHLOROETHENE	-	44	-	-	-	51	-	-
ACETONE	-	-	-	-	-	-	-	-
BENZENE	-	15	-	-	-	-	-	-
CARBON DISULFIDE	40	-	-	-	-	-	-	-
CARBON TETRACHLORIDE	-	-	-	-	-	-	-	-
CHLOROETHANE	-	-	-	-	-	-	-	-
CHLOROFORM	-	163	-	-	-	-	-	-
CIS-1 2-DICHLOROETHENE	92	9200	610	6600	4	21000	270	6700
ETHYLBENZENE	-	0.8	-	-	-	-	-	-
METHYL ETHYL KETONE	-	-	-	-	-	-	-	-
METHYLENE CHLORIDE	3	820	-	-	-	1000	-	-
O-XYLENE	-	0.8	-	-	-	-	-	-
P-XYLENE/M-XYLENE	-	2	-	-	-	-	-	-
TETRACHLOROETHENE	-	-	-	-	-	26	-	-
TOLUENE	-	3	-	-	-	-	-	-
TRANS-1 2-DICHLOROETHENE	-	45	-	-	-	110	-	-
TRICHLOROETHENE	228	18000	-	880	2	40000	50	3100
VINYL CHLORIDE	12	6	130	-	-	340	-	260

NOTES:

- = Compound not detected at the Practical Quantitation Limit; refer to Appendix C for Practical Quantitation Limits.

* = Duplicate sample.

TABLE 4
SUMMARY OF GROUND WATER ANALYTICAL DATA
(DETECTED COMPOUNDS ONLY)
JANUARY 1996 ANNUAL MONITORING EVENT
TEXTRON REALTY OPERATIONS
WHEATFIELD, NEW YORK

SAMPLE LOCATION	89-02(1)	89-02(3)	89-03(1)	89-05(1A)	89-05(1B)	89-05(1B)*	89-06(1)
SAMPLE I.D.	BAT96013189021	BAT 96013189023	BAT96013089031	BAT96012989051A	BAT96012989051B	BAT96012989051BDUP	BAT96013089061
SAMPLE DATE	1/31/96	1/31/96	1/30/96	1/29/96	1/29/96	1/29/96	1/30/96
UNITS	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
ANALYTICAL METHOD	EPA 8240	EPA 8260	EPA 8260	EPA 8240	EPA 8240	EPA 8240	EPA 8260
PARAMETER							
1 1 1-TRICHLOROETHANE	-	-	-	-	-	-	-
1 1 2-TRICHLOROETHANE	-	-	-	-	-	-	-
1 1-DICHLOROETHANE	-	-	-	-	-	-	-
1 1-DICHLOROETHENE	-	-	-	-	-	-	-
ACETONE	-	-	12	-	-	-	10
BENZENE	-	-	-	-	-	-	-
CARBON DISULFIDE	-	1	-	-	-	-	-
CARBON TETRACHLORIDE	-	-	-	-	-	-	-
CHLOROETHANE	-	-	-	-	-	-	-
CHLOROFORM	-	-	-	-	-	-	-
CIS-1 2-DICHLOROETHENE	16000	-	25	860	380	380	-
ETHYLBENZENE	-	-	-	-	-	-	-
METHYL ETHYL KETONE	-	-	-	-	-	-	-
METHYLENE CHLORIDE	1400	-	-	-	-	-	-
O-XYLENE	-	-	-	-	-	-	-
P-XYLENE/M-XYLENE	-	-	-	-	-	-	-
TETRACHLOROETHENE	-	-	-	-	-	-	-
TOLUENE	-	-	-	-	-	-	-
TRANS-1 2-DICHLOROETHENE	-	-	-	-	-	-	-
TRICHLOROETHENE	30000	-	-	-	-	-	-
VINYL CHLORIDE	-	-	-	110	62	63	-

NOTES:

- = Compound not detected at the Practical Quantitation Limit; refer to Appendix C for Practical Quantitation Limits.

* = Duplicate sample.

TABLE 4
SUMMARY OF GROUND WATER ANALYTICAL DATA
(DETECTED COMPOUNDS ONLY)
JANUARY 1996 ANNUAL MONITORING EVENT
TEXTRON REALTY OPERATIONS
WHEATFIELD, NEW YORK

SAMPLE LOCATION	89-14(1)	89-14(1)*	89-15(1)	93-02(1)	B-14(1)	DW-9	DW-10	DW-11
SAMPLE I.D.	BAT960131891 41	BAT960131891 41DUP	BAT960201891 61	BAT960129930 21	BAT960201B141	BAT960206DW9	BAT960206DW10	BAT960206DW11
SAMPLE DATE	1/31/96	1/31/96	2/1/96	1/29/96	2/1/96	2/5/96	2/5/96	2/5/96
UNITS	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
ANALYTICAL METHOD	EPA 8240	EPA 8240	EPA 8240	EPA 8240	EPA 8240	EPA 8240	EPA 8240	EPA 8240
PARAMETER								
1 1 1-TRICHLOROETHANE	-	-	-	-	57	65	-	180
1 1 2-TRICHLOROETHANE	-	-	-	-	-	-	-	-
1 1-DICHLOROETHANE	-	-	-	-	-	-	-	-
1 1-DICHLOROETHENE	-	-	-	-	-	-	-	-
ACETONE	-	-	-	-	-	-	-	-
BENZENE	-	-	-	-	-	-	-	-
CARBON DISULFIDE	-	-	-	-	-	-	-	-
CARBON TETRACHLORIDE	-	-	-	-	-	-	-	-
CHLOROETHANE	-	-	-	-	-	-	-	-
CHLOROFORM	-	-	-	-	-	-	-	-
CIS-1 2-DICHLOROETHENE	630	750	12000	1000	680	2800	3300	2100
ETHYLBENZENE	-	-	-	-	-	-	-	-
METHYL ETHYL KETONE	-	-	-	-	-	-	-	-
METHYLENE CHLORIDE	-	-	72000	-	-	130	45000	6500
O-XYLENE	-	-	-	-	-	-	-	-
P-XYLENE/M-XYLENE	-	-	-	-	-	-	-	-
TETRACHLOROETHENE	-	-	-	-	-	-	-	-
TOLUENE	-	-	-	-	-	-	-	-
TRANS-1 2-DICHLOROETHENE	-	-	-	-	-	-	-	-
TRICHLOROETHENE	-	-	62000	-	-	2000	4100	12000
VINYL CHLORIDE	-	-	-	-	140	250	-	210

NOTES:

- = Compound not detected at the Practical Quantitation Limit; refer to Appendix C for Practical Quantitation Limits.

* = Duplicate sample.

TABLE 4
SUMMARY OF GROUND WATER ANALYTICAL DATA
(DETECTED COMPOUNDS ONLY)
JANUARY 1996 ANNUAL MONITORING EVENT
TEXTRON REALTY OPERATIONS
WHEATFIELD, NEW YORK

SAMPLE LOCATION	DW-12	EW-2	EW-3	EW-4	EW-5	EW-6	EW-7	EW-8
SAMPLE I.D.	BAT960206DW12	BAT960129EW2	BAT960129EW3	BAT960129EW4	BAT960129EW5	BAT960202EW6	BAT960131EW7	BAT960131EW8
SAMPLE DATE	2/5/96	1/29/96	1/29/96	1/29/96	1/29/96	2/2/96	1/31/96	1/31/96
UNITS	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
ANALYTICAL METHOD	EPA 8240	EPA 8240	EPA 8240	EPA 8240	EPA 8240	EPA 8240	EPA 8240	EPA 8240
PARAMETER								
1 1 1-TRICHLOROETHANE	27	-	-	-	-	-	-	180
1 1 2-TRICHLOROETHANE	-	-	-	-	-	-	-	-
1 1-DICHLOROETHANE	-	-	-	-	-	-	-	34
1 1-DICHLOROETHENE	-	-	-	-	-	-	-	26
ACETONE	-	-	-	-	-	-	-	-
BENZENE	-	-	-	-	-	-	-	-
CARBON DISULFIDE	-	-	-	-	-	-	-	-
CARBON TETRACHLORIDE	-	-	-	-	-	-	-	-
CHLOROETHANE	-	-	-	-	-	-	-	-
CHLOROFORM	-	-	-	-	-	-	-	-
CIS-1 2-DICHLOROETHENE	580	2100	2300	340	270	140	8100	7900
ETHYLBENZENE	-	-	-	-	-	-	-	-
METHYL ETHYL KETONE	-	-	-	-	-	-	-	-
METHYLENE CHLORIDE	52	-	-	-	-	-	-	-
O-XYLENE	-	-	-	-	-	-	-	-
P-XYLENE/M-XYLENE	-	-	-	-	-	-	-	-
TETRACHLOROETHENE	-	-	-	-	-	-	-	-
TOLUENE	-	-	-	-	-	-	-	-
TRANS-1 2-DICHLOROETHENE	-	-	-	-	-	-	-	120
TRICHLOROETHENE	130	850	930	-	-	-	560	2200
VINYL CHLORIDE	-	-	150	60	83	52	990	460

NOTES:

- = Compound not detected at the Practical Quantitation Limit; refer to Appendix C for Practical Quantitation Limits.

* = Duplicate sample.

TABLE 5
SUMMARY OF VERTICAL HYDRAULIC GRADIENTS
JANUARY 1996 ANNUAL MONITORING EVENT
TEXTRON REALTY OPERATIONS
WHEATFIELD, NEW YORK

WELL NAME	TOP OF RISER ELEVATION (FT. MSL)	WATER LEVEL (FT. BTOR)	DATE/TIME MEASURED	WATER LEVEL ELEVATION (FT. MSL)	HEAD DIFFERENCE ZONE 3 - ZONE 1 (dH) (FT.)	THICKNESS ZONE 2 (dL) (FT.)	VERTICAL GRADIENT dH/dL
87-02(1)	589.21	14.48	2/1/96	574.73	1.65	7.00	0.24
87-02(3)	588.63	12.25	10:25	576.38			
87-04(1)	589.08	N/A	2/1/96	575.32	2.43	7.00	0.35
87-04(3)	589.49	N/A	8:47	577.75			
89-02(1)	584.63	13.91	1/31/96	570.72	4.41	7.00	0.63
89-02(3)	584.80	9.67	9:40	575.13			

NOTES:

BTOR = Below top of riser.
MSL = Mean sea level.
NOTE: Positive vertical gradients are upwards from Zone 3 to Zone 1
N/A = Not Applicable, measured from datalogger

68,000 m E

69,000 m E

70,000 m E

74,000 m N

73,000 m N

72,000 m N

WALMORE ROAD

B-8

DW-9

87-08(1)

NEUTRALIZATION POND

87-14(0)

87-13(3)

87-17(1)

89-14(0)

89-14(1)

87-04(1)

89-15(1)

DW-10

DW-11

B-14(1)

87-10(0)

87-02(3)

87-02(1)

DW-12

87-01(1)

87-01(0)

BELL AEROSPACE TEXTRON
WHEATFIELD PLANT

87-18(0)

EW-7

EW-8

87-12(1)

STATE RTE. 62
(NIAGARA FALLS BLVD.)

87-18(1)

SW89-1

87-23(0)

89-02(3)

89-02(1)

87-22(0)

87-22(1)

NIAGARA ROAD

89-16(1)

89-04(1)

87-20(0)

87-20(1)

OLD FALLS BLVD.

87-19(1)

CAYUGA DR. EXT.

87-21(1)

89-03(1)

BERGHOLTZ CREEK

CAYUGA DR. EXT.

SAWYER CREEK

NIAGARA FALLS BLVD.

89-17(1)

EW-2

WALMORE ROAD

93-02(1)

EW-3

RAILROAD

EW-4

89-05(1A)

89-05(1B)

EW-5

DRAINAGE DITCH

94-02(1)

CONRAIL

EW-6

93-03(1)

89-18(1)

SY ROAD

JAGOW ROAD

89-06(1)

89-07(1A)

89-07(1B)

DRAINAGE DITCH

N

LEGEND

- ◆ WELLS TO BE ANALYSED QUARTERLY
- ◆ WELLS TO BE ANALYSED SEMI-ANNUALLY
- ◆ WELLS TO BE ANALYSED ANNUALLY

NOTES

1.) GRID SYSTEM SHOWN IS 1000-METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 17, 1927 NORTH AMERICAN DATUM.

2.) REFERENCE: U.S. GEOLOGICAL SURVEY, TONAWANDA WEST NEW YORK 7.5' QUADRANGLE, DATED 1980.

3.) WELL LOCATIONS SHOWN ARE APPROXIMATE.

300 0 300 600
scale feet

MAR 20 1996

REV.	DATE	DESCRIPTION	DR. BY	APP. BY

CLIENT/PROJECT: Bell Aerospace TEXTRON
NIAGARA FALLS, NEW YORK

TITLE: GROUNDWATER MONITORING PLAN
SAMPLE LOCATIONS
Buffalo, New York

Golder Associates

DRAWN	BEC	DATE	8/9/95
CHECKED	KFN	SCALE	1"=300'
REVIEWED	DCW	JOB NO.	953-9103
APPROVED	ALG	DWG NO.	BELL65
FILE NO.	914-1014	FIGURE	1

68,000 m E

69,000 m E

70,000 m E

74,000 m N

73,000 m N

72,000 m N

WALMORE ROAD

APPROXIMATE LIMIT OF DISSOLVED PHASE PLUME (1 ppb TVO JANUARY 1996 SAMPLING EVENT - SEE NOTE 8.)

NEUTRALIZATION POND

DW-9 (577.60)

87-08(1) (575.98)

87-17(1) (578.05)

89-14(1)(573.73)

DW-10 (572.69)

87-04(1)(575.03)

89-15(1) (573.54)

B-14(1) (575.05)

DW-11 (573.10)

87-02(1) (574.73)

DW-12(571.43)

87-01(1)(572.21)

BELL AEROSPACE TEXTRON WHEATFIELD PLANT

89-02(1) (570.72)

NIAGARA ROAD

89-16(1) (570.45)

89-04(1) (570.78)

EW-7 (568.67)

EW-8 (568.97)

87-22(1) (569.07)

87-18(1) (567.58)

87-12(1) (568.01)

STATE RTE. 62 (NIAGARA FALLS BLVD.)

87-20(1)(568.31)

OLD FALLS BLVD.

87-19(1) (568.24)

CAYUGA DR. EXT.

87-21(1) (568.54)

NIAGARA FALLS BLVD

BERGHOLTZ CREEK

SAWYER CREEK

89-03(1) (566.45)

89-17(1) (571.22)

EW-2 (561.46)

93-02(1) (562.81)

EW-3 (562.32)

EW-4 (553.80)

89-05(1A)(563.69)

EW-5 (555.08)

EW-6 (560.34)

RAILROAD

CONRAIL

94-02(1) (566.23)

93-03(1) (561.32)

89-18(1) (564.89)

ST. ROAD

DRAINAGE DITCH

89-06(1) (566.23)

JAGOW ROAD

89-07(1A)(566.04)

DRAINAGE DITCH

N

LEGEND

- ◆ EXTRACTION WELL OR DNAPL WELL
- ⌖ MONITORING WELL
- (578.24) WATER LEVEL ELEVATIONS AT MONITORING OR EXTRACTION WELL IN FEET MEAN SEA LEVEL.
- 569 POTENTIOMETRIC ELEVATION CONTOUR IN FEET MEAN SEA LEVEL
- DIRECTION OF GROUNDWATER FLOW IN ZONE 1

NOTES

1.) GRID SYSTEM SHOWN IS 1000-METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 17, 1927 NORTH AMERICAN DATUM.

2.) REFERENCE: U.S. GEOLOGICAL SURVEY, TONAWANDA WEST NEW YORK 7.5' QUADRANGLE, DATED 1980.

3.) WELL LOCATIONS SHOWN ARE APPROXIMATE.

4.) WATER LEVEL MEASURMENTS OBTAINED FROM WELLS SAMPLED DURING THE JANUARY 1996 QUARTERLY SAMPLING EVENT ON JANUARY 30 THROUGH FEBRUARY 5, 1996.

5.) ONLY WELL LOCATIONS WITH AN ELEVATION LISTED ARE USED IN MAP CONTOURING.

6.) CONTOURS BETWEEN KNOWN POINTS HAVE BEEN INTERPOLATED.

7.) EW-6 WAS NOT OPERATING AT THE TIME OF HYDRAULIC MONITORING.

8.) TOTAL VOLATILE ORGANIC (TVO) DETECTIONS MINUS ACETONE IN MONITORING WELL 89-06(1).

300 0 300 600
scale feet

MAR 20 1996

REV.	DATE	DESCRIPTION	DR. BY	APP. BY

CLIENT/PROJECT

Bell Aerospace TEXTRON
NIAGARA FALLS, NEW YORK

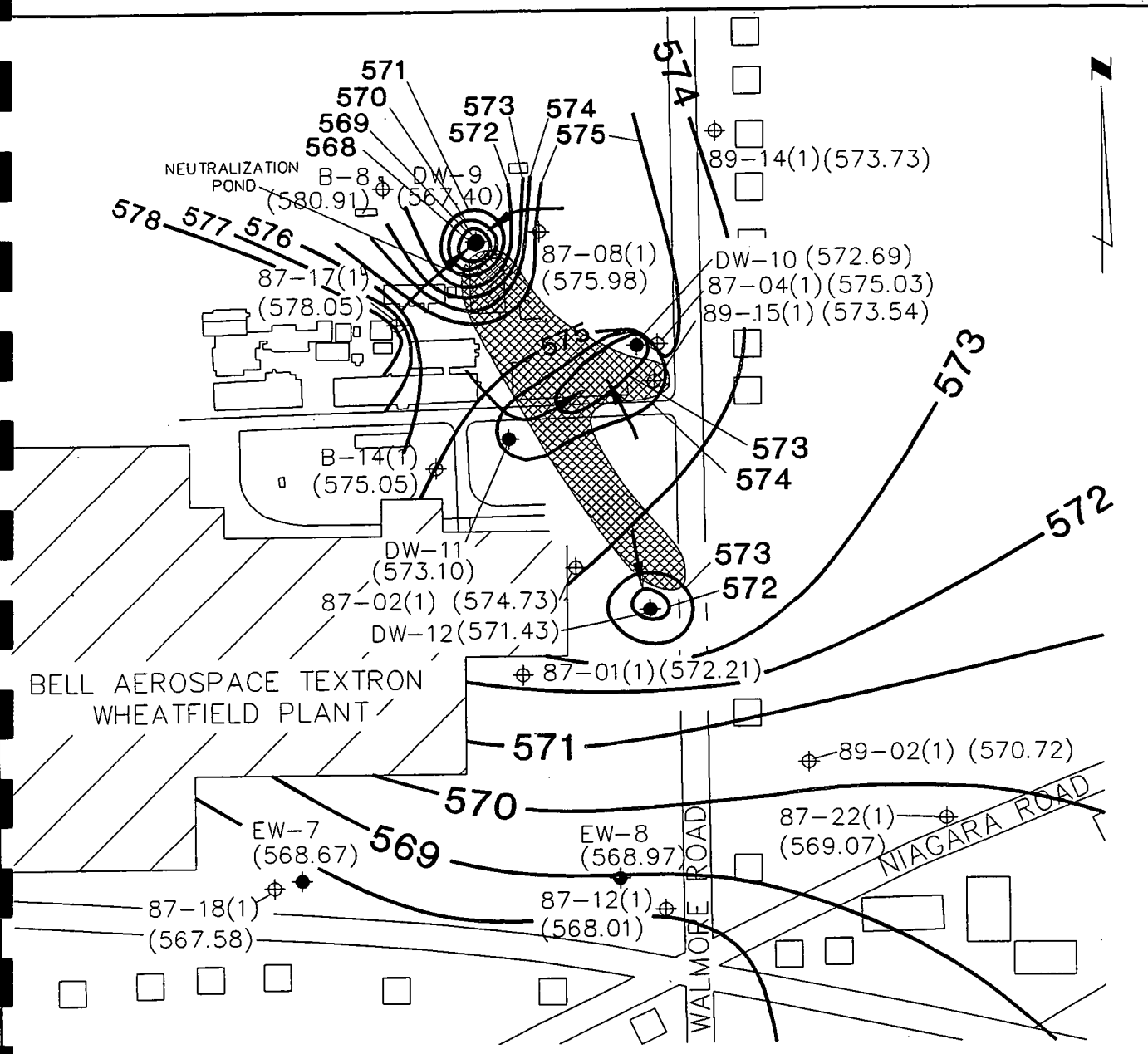
TITLE

GROUNDWATER ELEVATION CONTOUR MAP
ZONE 1 BEDROCK - JANUARY 1996

Buffalo, New York

Golder Associates

DRAWN	BEC	DATE	3/1/96
CHECKED	KFN	SCALE	1"=300'
REVIEWED	DCW	JOB NO.	953-9103
APPROVED	ALG	DWG. NO.	BELL66
FILE NO.	914-1014	FIGURE	2



LEGEND

- EXTRACTION WELL OR DNAPL WELL
- MONITORING WELL
- (567.58) WATER LEVEL ELEVATIONS AT MONITORING OR EXTRACTION WELL IN FEET MEAN SEA LEVEL.
- —569— POTENTIOMETRIC ELEVATION CONTOUR IN FEET MEAN SEA LEVEL
- DIRECTION OF GROUND WATER FLOW IN ZONE 1
- DNAPL PLUME

300 0 300
scale feet

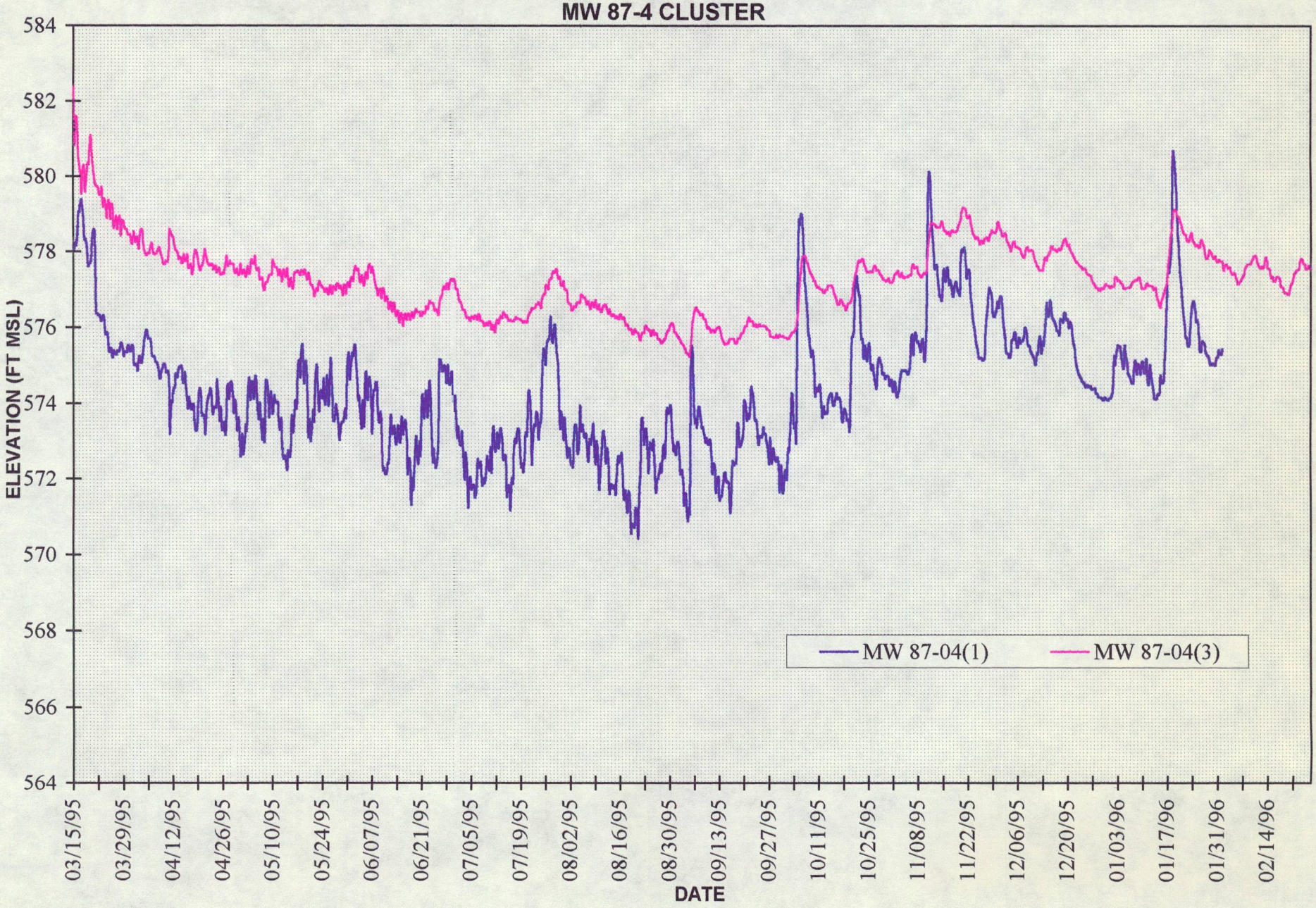
Golder Associates Buffalo, New York

CLIENT/PROJECT
BELL AEROSPACE TEXTRON

TITLE
ON-SITE GROUNDWATER ELEVATION CONTOUR MAP, ZONE 1 BEDROCK JANUARY 1996

DRAWN	BEC	DATE	3/12/96	JOB NO.	953-9103
CHECKED	ALG	SCALE	AS SHOWN	DWG NO./REV. NO.	BELL80
REVIEWED	ALG	FILE NO.	953-9103	FIGURE NO.	3

FIGURE 4
GROUNDWATER ELEVATION VERSUS TIME
MW 87-4 CLUSTER



APPENDIX A

SAMPLE COLLECTION INFORMATION FORMS

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME BAT, 95-976 Wm NY GAI PROJECT NO. 953-9103

SAMPLE ID. BAT960201870 10 SOURCE CODES: RIVER OR STREAM, (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/02/01	TIME (24 HR CLOCK)	8:45	ELAPSED HRS.	—
CASING VOL.(Gal.)	05	GAL. PURGED (Gal.)	15		
PURGING DEVICE (SEE BELOW)	E	PURGING DEVICE MATERIAL	S.S.	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/02/01	TIME (24 HR CLOCK)	9:20	MATRIX	H2O
SAMPLING DEVICE (SEE BELOW	E	DEDICATED-(Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	S.S.	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	TOR	LAND ELEVATION (FT./MSL)	—
REF. PT. ELEV.(FT. MSL)	—	WELL DEPTH (FT.)	16.51
DEPTH TO WATER (REF. PT.)	13.21	STICKUP (FT.)	—
GW. ELEV.(FT. MSL)	—	WELL DIAMETER (INCHES)	2.00

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Simple	Final Simple
pH (STD)	8.6	8.3	6.2	8.3
SPEC. COND.(UMHOS/CM)	3400	3500	3100	3400
TEMPERATURE (C)	12	12	12	12
OTHER (SPECIFY)	—	—	—	—

COMMENTS/CALCULATIONS

WEATHER CONDITIONS Sun 10°F

SAMPLE APPEARANCE Brown Turbidity

2" DIA. CASING CONTAINS .163 Gal./Ft.

4" DIA. CASING CONTAINS .652 Gal./Ft.

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE [signature] DATE 2/8/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME BAT, 95976 Wm NY GAI PROJECT NO. 953-9103

SAMPLE ID. BAT960201870 11 SOURCE CODES: RIVER OR STREAM, (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/02/01	TIME (24 HR CLOCK)	8:45	ELAPSED HRS.	----
CASING VOL.(Gal.)	2.4	GAL. PURGED (Gal.)	7		
PURGING DEVICE (SEE BELOW)	E	PURGING DEVICE MATERIAL	S.S.	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/02/01	TIME (24 HR CLOCK)	9:10	MATRIX	H2O
SAMPLING DEVICE (SEE BELOW	E	DEDICATED-(Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	S.S.	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	TOR	LAND ELEVATION (FT./MSL)	----
REF. PT. ELEV.(FT. MSL)	----	WELL DEPTH (FT.)	30.60
DEPTH TO WATER (REF. PT.)	15.78	STICKUP (FT.)	----
GW. ELEV.(FT. MSL)	----	WELL DIAMETER (INCHES)	2.00

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Simple	Final Sample
pH (STD)	8.4	8.3	8.2	8.2
SPEC. COND.(UMHOS/CM)	3100	3200	3000	3000
TEMPERATURE (C)	12	12	11	11
OTHER (SPECIFY)	----	----	----	----

COMMENTS/CALCULATIONS

WEATHER CONDITIONS Sun 10°F

SAMPLE APPEARANCE Slightly turbid

2" DIA. CASING CONTAINS .163 Gal./Ft.

4" DIA. CASING CONTAINS .652 Gal./Ft.

PID.

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE [signature] DATE 2/9/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME BAT, 95-976 Wm NY GAI PROJECT NO. 953-9103

SAMPLE ID. BAT960201870 21 SOURCE CODES: RIVER OR STREAM, (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/02/01	TIME (24 HR CLOCK)	10:20	ELAPSED HRS.	—
CASING VOL.(Gal.)	2.6	GAL. PURGED (Gal.)	8		
PURGING DEVICE (SEE BELOW)	C	PURGING DEVICE MATERIAL	PI	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/02/01	TIME (24 HR CLOCK)	10:50	MATRIX	H2O
SAMPLING DEVICE (SEE BELOW	E.	DEDICATED-(Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	S.S.	SAMPLE TYPE - GRAB/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	TOR	LAND ELEVATION (FT./MSL)	—
REF. PT. ELEV.(FT. MSL)	—	WELL DEPTH (FT.)	30.75
DEPTH TO WATER (REF. PT.)	14.98	STICKUP (FT.)	—
GW. ELEV.(FT. MSL)	—	WELL DIAMETER (INCHES)	2.00

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Simple	Final Simple
pH (STD)	8.4	8.7	8.6	8.6
SPEC. COND.(UMHOS/CM)	1900	3300	2900	2900
TEMPERATURE (C)	8	10	8	8
OTHER (SPECIFY)	—	—	—	—

COMMENTS/CALCULATIONS

WEATHER CONDITIONS Sun 10°F

SAMPLE APPEARANCE Clear

2" DIA. CASING CONTAINS .163 Gal./Ft.

4" DIA. CASING CONTAINS .652 Gal./Ft.

PID - 0.0

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE [signature] DATE 2/9/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME BAT, 95-97 Ham NY GAI PROJECT NO. 953-9103

SAMPLE ID. BAT960201870 23 SOURCE CODES: RIVER OR STREAM, (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/02/01	TIME (24 HR CLOCK)	10:25	ELAPSED HRS.	—
CASING VOL.(Gal.)	6.9	GAL. PURGED (Gal.)	21		
PURGING DEVICE (SEE BELOW)	E	PURGING DEVICE MATERIAL	S.S.	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/02/01	TIME (24 HR CLOCK)	11:05	MATRIX	H2O
SAMPLING DEVICE (SEE BELOW	E	DEDICATED-(Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	S.S.	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	TOR	LAND ELEVATION (FT./MSL)	—
REF. PT. ELEV.(FT. MSL)	—	WELL DEPTH (FT.)	55.00
DEPTH TO WATER (REF. PT.)	12.25	STICKUP (FT.)	2.00
GW. ELEV.(FT. MSL)	—	WELL DIAMETER (INCHES)	2.00

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Simple	Final Simple
pH (STD)	8.4	8.4	8.4	8.4
SPEC. COND.(UMHOS/CM)	5900	6800	6000	6400
TEMPERATURE (C)	10	11	10	10
OTHER (SPECIFY)	—	—	—	—

COMMENTS/CALCULATIONS

WEATHER CONDITIONS Sun 10°F

SAMPLE APPEARANCE Clear

2" DIA. CASING CONTAINS .163 Gal./Ft.

4" DIA. CASING CONTAINS .652 Gal./Ft.

PID - 0.0

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE [signature] DATE 2/1/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME BAT, 95-976 WM NY GAI PROJECT NO. 953-9103

SAMPLE ID. BAT960202870641 SOURCE CODES: RIVER OR STREAM, (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/02/02	TIME (24 HR CLOCK)	10:10	ELAPSED HRS.	—
CASING VOL.(Gal.)	25	GAL. PURGED (Gal.)	8		
PURGING DEVICE (SEE BELOW)	C	PURGING DEVICE MATERIAL	PE	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/02/02	TIME (24 HR CLOCK)	10:35	MATRIX	H2O
SAMPLING DEVICE (SEE BELOW	E	DEDICATED-(Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	SS	SAMPLE TYPE – (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	TOR	LAND ELEVATION (FT./MSL)	—
REF. PT. ELEV.(FT. MSL)	—	WELL DEPTH (FT.)	29.50
DEPTH TO WATER (REF. PT.)	14.05	STICKUP (FT.)	—
GW. ELEV.(FT. MSL)	—	WELL DIAMETER (INCHES)	2.00

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Simple	Final Simple
pH (STD)	8.6	8.4	8.3	8.3
SPEC. COND.(UMHOS/CM)	1900	2500	2500	2500
TEMPERATURE (C)	2	10	10	10
OTHER (SPECIFY)	—	—	—	—

COMMENTS/CALCULATIONS

WEATHER CONDITIONS Sun 8 °F

SAMPLE APPEARANCE Clear

2" DIA. CASING CONTAINS .163 Gal./Ft.
4" DIA. CASING CONTAINS .652 Gal./Ft. PID - 1.9 ppm

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE Kenneth J Murphy DATE 2/9/96

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME: BAT, 95-97 Hwy NY GAI PROJECT NO.: 953-9103

SAMPLE ID.: BAT960201870B'

SOURCE CODES: RIVER OR STREAM, (WELL), SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/02/01	TIME (24 HR CLOCK)	13:55	ELAPSED HRS.	—
CASING VOL.(Gal.)	2.8	GAL. PURGED (Gal.)	8.3		
PURGING DEVICE (SEE BELOW)	C	PURGING DEVICE MATERIAL	PE	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/02/01	TIME (24 HR CLOCK)	14:15	MATRIX	H2O
SAMPLING DEVICE (SEE BELOW	E	DEDICATED-(Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	S.S.	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	TOR	LAND ELEVATION (FT./MSL)	—
REF. PT. ELEV.(FT. MSL)	—	WELL DEPTH (FT.)	30.40
DEPTH TO WATER (REF. PT.)	13.50	STICKUP (FT.)	—
GW. ELEV.(FT. MSL)	—	WELL DIAMETER (INCHES)	2.00

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Simple	Final Simple
pH (STD)	8.1	8.2	8.0	8.0
SPEC. COND.(UMHOS/CM)	2300	2600	2300	2400
TEMPERATURE (C)	6	9	6	8
OTHER (SPECIFY)	—	—	—	—

COMMENTS/CALCULATIONS

WEATHER CONDITIONS: Sun. 10°F

SAMPLE APPEARANCE: Turbid

2" DIA. CASING CONTAINS .163 Gal./Ft.

4" DIA. CASING CONTAINS .652 Gal./Ft.

PID: 0.0

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE: [signature] DATE: 2/9/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME BAT , 95-97 ... NY

GAI PROJECT NO. 953-9103

SAMPLE ID. BAT96020187100

SOURCE CODES: RIVER OR STREAM, (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd) 96,02,01

CASING VOL.(Gal.) 0.8

PURGING DEVICE (SEE BELOW) E.

TIME (24 HR CLOCK) 9:30

GAL. PURGED (Gal.) 2.4

PURGING DEVICE MATERIAL SS

ELAPSED HRS. —

DEDICATED (Y)/N)

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd) 96,02,01

SAMPLING DEVICE (SEE BELOW

SAMPLING DEVICE MATERIAL

TIME (24 HR CLOCK) 9:50

DEDICATED (Y)/N)

SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)

MATRIX H_2O

FILTERED (Y/(N))

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT TOR

REF. PT. ELEV.(FT. MSL) —

DEPTH TO WATER (REF. PT.) 13.16

GW. ELEV.(FT. MSL)

LAND ELEVATION (FT./MSL) —

WELL DEPTH (FT.) 18.09

STICKUP (FT.)

WELL DIAMETER (INCHES) 2.00

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Sample	Final Sample
pH (STD)	8.4	8.5	8.5	8.5
SPEC. COND.(UMHOS/CM)	2500	2300	2100	2100
TEMPERATURE (C)	8	6	7	7
OTHER (SPECIFY)	—		—	—

COMMENTS/CALCULATIONS

WEATHER CONDITIONS Sun 10°F

SAMPLE APPEARANCE Turbid

2" DIA. CASING CONTAINS .163 Gal./Ft.

4" DIA. CASING CONTAINS .652 Gal./Ft.

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE [signature]

DATE 2/1/96

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME: BAT, 95-976 Wurtsboro NY GAI PROJECT NO.: 953-9103

SAMPLE ID.: BAT960131871d SOURCE CODES: RIVER OR STREAM, (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/01/31	TIME (24 HR CLOCK)	1250	ELAPSED HRS.	----
CASING VOL.(Gal.)	2.7	GAL. PURGED (Gal.)	8.2		
PURGING DEVICE (SEE BELOW)	C	PURGING DEVICE MATERIAL	PE	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/01/31	TIME (24 HR CLOCK)	1315	MATRIX	H2O
SAMPLING DEVICE (SEE BELOW	Tubing	DEDICATED (Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	PE	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	TOR	LAND ELEVATION (FT./MSL)	----
REF. PT. ELEV.(FT. MSL)	----	WELL DEPTH (FT.)	32.60
DEPTH TO WATER (REF. PT.)	15.83	STICKUP (FT.)	----
GW. ELEV.(FT. MSL)	----	WELL DIAMETER (INCHES)	2.00

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Simple	Final Simple
pH (STD)	8.6	7.8	7.8	7.8
SPEC. COND.(UMHOS/CM)	2000	2900	2900	2700
TEMPERATURE (C)	5°	10	10	10
OTHER (SPECIFY)	—	—	—	—

COMMENTS/CALCULATIONS

WEATHER CONDITIONS: Overcast 15-20°

SAMPLE APPEARANCE: Clear, slight sulfide odor

2" DIA. CASING CONTAINS .163 Gal./Ft.

4" DIA. CASING CONTAINS .652 Gal./Ft.

PID - 1.8 ppm

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE: [signature] DATE: 2/9/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME BAT, 95-976 Wm NY GAI PROJECT NO. 953-9103

SAMPLE ID. BAT960202871 33 SOURCE CODES: RIVER OR STREAM, (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/02/02	TIME (24 HR CLOCK)	9:05	ELAPSED HRS.	----
CASING VOL.(Gal.)	6.9	GAL. PURGED (Gal.)	21		
PURGING DEVICE (SEE BELOW)	E	PURGING DEVICE MATERIAL	S.S.	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/02/02	TIME (24 HR CLOCK)	9:50	MATRIX	H2O
SAMPLING DEVICE (SEE BELOW	E	DEDICATED-(Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	S.S.	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	TOR	LAND ELEVATION (FT./MSL)	----
REF. PT. ELEV.(FT. MSL)	----	WELL DEPTH (FT.)	54.70
DEPTH TO WATER (REF. PT.)	12.25	STICKUP (FT.)	----
GW. ELEV.(FT. MSL)	----	WELL DIAMETER (INCHES)	2.00

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Simple	Final Simple
pH (STD)	8.4	8.1	8.0	8.0
SPEC. COND.(UMHOS/CM)	5600	6500	6400	6100
TEMPERATURE (C)	10	8	8	8
OTHER (SPECIFY)	----	----	----	----

COMMENTS/CALCULATIONS

WEATHER CONDITIONS Sun 80F

SAMPLE APPEARANCE Clear, Sulfide Odor

2" DIA. CASING CONTAINS .163 Gal./Ft.
4" DIA. CASING CONTAINS .652 Gal./Ft.

PID - 0.0 ppm

87-13(1) Water level is 15.06

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE [signature] DATE 2-9-96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME BAT, 95-976 Wurtsboro NY GAI PROJECT NO. 953-9103

SAMPLE ID. BAT960202087140 SOURCE CODES: RIVER OR STREAM, (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/02/02	TIME (24 HR CLOCK)	10:45	ELAPSED HRS.	----
CASING VOL.(Gal.)	~~---~~ 1	GAL. PURGED (Gal.)	3		
PURGING DEVICE (SEE BELOW)	E	PURGING DEVICE MATERIAL	S.S.	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/02/02	TIME (24 HR CLOCK)	10:55	MATRIX	H2O
SAMPLING DEVICE (SEE BELOW	E	DEDICATED-(Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	S.S.	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	TOR	LAND ELEVATION (FT./MSL)	----
REF. PT. ELEV.(FT. MSL)	----	WELL DEPTH (FT.)	16.29
DEPTH TO WATER (REF. PT.)	10.38	STICKUP (FT.)	----
GW. ELEV.(FT. MSL)	----	WELL DIAMETER (INCHES)	2.00

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Simple	Final Simple
pH (STD)	8.4	8.2	7.9	8.0
SPEC. COND.(UMHOS/CM)	2300	2400	2500	2500
TEMPERATURE (C)	8	9	9	9
OTHER (SPECIFY)	----	----	----	----

COMMENTS/CALCULATIONS

WEATHER CONDITIONS Sun 80°F

SAMPLE APPEARANCE black turbidity

2" DIA. CASING CONTAINS .163 Gal./Ft.
4" DIA. CASING CONTAINS .652 Gal./Ft. PID - 0.0 ppm

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE [signature] DATE 2-9-96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME BAT, 95-976 WM NY GAI PROJECT NO. 953-9103

SAMPLE ID. BAT960201871/1 SOURCE CODES: RIVER OR STREAM, (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/02/01	TIME (24 HR CLOCK)	14:25	ELAPSED HRS.	----
CASING VOL.(Gal.)	2.8	GAL. PURGED (Gal.)	85		
PURGING DEVICE (SEE BELOW)	C	PURGING DEVICE MATERIAL	PE	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/02/01	TIME (24 HR CLOCK)	14:45	MATRIX	H2O
SAMPLING DEVICE (SEE BELOW	E	DEDICATED-(Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	S.S.	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	TOR	LAND ELEVATION (FT./MSL)	----
REF. PT. ELEV.(FT. MSL)	----	WELL DEPTH (FT.)	29.00
DEPTH TO WATER (REF. PT.)	11.57	STICKUP (FT.)	----
GW. ELEV.(FT. MSL)	----	WELL DIAMETER (INCHES)	2.00

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Simple	Final Simple
pH (STD)	8.4	8.1	7.1	8.1
SPEC. COND.(UMHOS/CM)	1900	3400	3000	3000
TEMPERATURE (C)	7	10	9	9
OTHER (SPECIFY)	—	—	—	—

COMMENTS/CALCULATIONS

WEATHER CONDITIONS Sun 10°F

SAMPLE APPEARANCE Clear

2" DIA. CASING CONTAINS .163 Gal./Ft.

4" DIA. CASING CONTAINS .652 Gal./Ft.

PID- 0.9 ppm

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE [signature] DATE 2/[illegible]/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME BAT, 95-976 Wurm NY GAI PROJECT NO. 953-9103

SAMPLE ID. BAT960131871B0 SOURCE CODES: RIVER OR STREAM, (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/01/31	TIME (24 HR CLOCK)	14:50	ELAPSED HRS.	----
CASING VOL.(Gal.)	0.2	GAL. PURGED (Gal.)	0.6		
PURGING DEVICE (SEE BELOW)	E	PURGING DEVICE MATERIAL	SS	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/01/31	TIME (24 HR CLOCK)	15:10	MATRIX	H2O
SAMPLING DEVICE (SEE BELOW	E	DEDICATED-(Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	SS	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	TOR	LAND ELEVATION (FT./MSL)	13.05
REF. PT. ELEV.(FT. MSL)		WELL DEPTH (FT.)	
DEPTH TO WATER (REF. PT.)	11.91	STICKUP (FT.)	2.00
GW. ELEV.(FT. MSL)		WELL DIAMETER (INCHES)	

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Sample	Final Sample
pH (STD)	9.5	9.5	9.2	9.3
SPEC. COND.(UMHOS/CM)	2500	2500	2500	2500
TEMPERATURE (C)	9	10	10	10
OTHER (SPECIFY)	—	—	—	—

COMMENTS/CALCULATIONS

WEATHER CONDITIONS Cloudy

SAMPLE APPEARANCE Gray Turbidity

2" DIA. CASING CONTAINS .163 Gal./Ft.

4" DIA. CASING CONTAINS .652 Gal./Ft.

PID - 0.0 ppm

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE [signature] DATE 2/9/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME: BAT, 95-97 [illegible] NY   GAI PROJECT NO.: 953-9103

SAMPLE ID.: BAT960131878I   SOURCE CODES: RIVER OR STREAM, (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd): 96/01/31   TIME (24 HR CLOCK): 14:50   ELAPSED HRS.: ----

CASING VOL.(Gal.): 1.9   GAL. PURGED (Gal.): 5.8

PURGING DEVICE (SEE BELOW): E   PURGING DEVICE MATERIAL: S.S.   DEDICATED (Y/N): Y

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd): 96/01/31   TIME (24 HR CLOCK): 15:00   MATRIX: H2O

DEDICATED (Y/N): Y   FILTERED (Y/N): N

SAMPLING DEVICE (SEE BELOW): E   SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)

SAMPLING DEVICE MATERIAL: S.S.

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT: TOR   LAND ELEVATION (FT./MSL): 30.20

REF. PT. ELEV.(FT. MSL): ----   WELL DEPTH (FT.): ----

DEPTH TO WATER (REF. PT.): 18.44   STICKUP (FT.): ----

GW. ELEV.(FT. MSL): ----   WELL DIAMETER (INCHES): 2.00

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Sample	Final Sample
pH (STD)	8.1	8.3	8.2	8.2
SPEC. COND.(UMHOS/CM)	3300	3500	3500	3500
TEMPERATURE (C)	12	12	11	12
OTHER (SPECIFY)	----	----	----	----

COMMENTS/CALCULATIONS

WEATHER CONDITIONS: Cloudy 15°F

SAMPLE APPEARANCE: Grayish turbidity

2" DIA. CASING CONTAINS .163 Gal./Ft.

4" DIA. CASING CONTAINS .652 Gal./Ft.

PID - 0.0

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE: [signature]   DATE: 2/9/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME: BAT, 95-976 Wurtsboro NY GAI PROJECT NO.: 953-9103

SAMPLE ID.: BAT960130SB191 SOURCE CODES: RIVER OR STREAM, (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/01/30	TIME (24 HR CLOCK)	15:10	ELAPSED HRS.	----
CASING VOL.(Gal.)	3	GAL. PURGED (Gal.)	9		
PURGING DEVICE (SEE BELOW)	C	PURGING DEVICE MATERIAL	PF	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/01/30	TIME (24 HR CLOCK)	15:30	MATRIX	H2O
SAMPLING DEVICE (SEE BELOW	E	DEDICATED-(Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	S.S.	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	TOR	LAND ELEVATION (FT./MSL)	----
REF. PT. ELEV.(FT. MSL)	----	WELL DEPTH (FT.)	31.80
DEPTH TO WATER (REF. PT.)	13.23	STICKUP (FT.)	----
GW. ELEV.(FT. MSL)	----	WELL DIAMETER (INCHES)	2.00

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Sample	Final Sample
pH (STD)	8.6	8.4	8.4	8.4
SPEC. COND.(UMHOS/CM)	800	2700	1400	1100
TEMPERATURE (C)				
OTHER (SPECIFY)				

COMMENTS/CALCULATIONS

WEATHER CONDITIONS: Cloudy 20 °F

SAMPLE APPEARANCE: Slightly Turbid

2" DIA. CASING CONTAINS .163 Gal./Ft.

4" DIA. CASING CONTAINS .652 Gal./Ft.

PID - 0.0 ppm

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE: [signature] DATE: 2/9/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME BAT, 95-976 WYM NY GAI PROJECT NO. 953-9103

SAMPLE ID. BAT960130S20 O SOURCE CODES: RIVER OR STREAM, (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/01/30	TIME (24 HR CLOCK)	1400	ELAPSED HRS.	----
CASING VOL.(Gal.)	0.25	GAL. PURGED (Gal.)	1		
PURGING DEVICE (SEE BELOW)	E	PURGING DEVICE MATERIAL	S.S.	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/01/30	TIME (24 HR CLOCK)	14:15	MATRIX	H2O
SAMPLING DEVICE (SEE BELOW	E	DEDICATED-(Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	S.S.	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	TOR	LAND ELEVATION (FT./MSL)	----
REF. PT. ELEV.(FT. MSL)	----	WELL DEPTH (FT.)	18.00
DEPTH TO WATER (REF. PT.)	6.44	STICKUP (FT.)	2.00
GW. ELEV.(FT. MSL)	----	WELL DIAMETER (INCHES)	2.00

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Simple	Final Simple
pH (STD)	8.4	8.5	8.3	8.3
SPEC. COND.(UMHOS/CM)	3300	3100	3500	3100
TEMPERATURE (C)	—	—	—	—
OTHER (SPECIFY)	—	—	—	—

COMMENTS/CALCULATIONS

WEATHER CONDITIONS P. Cloudy 20°F

SAMPLE APPEARANCE Turbid

2" DIA. CASING CONTAINS .163 Gal./Ft.

4" DIA. CASING CONTAINS .652 Gal./Ft.

P.D = 0.7

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE [signature] DATE 2/9/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME BAT, 95976 NY GAI PROJECT NO. 953-9103

SAMPLE ID. BAT960130[illegible]01 SOURCE CODES: RIVER OR STREAM, (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/01/30	TIME (24 HR CLOCK)	1406	ELAPSED HRS.	—
CASING VOL.(Gal.)	2.9 C	GAL. PURGED (Gal.)	9		
PURGING DEVICE (SEE BELOW)		PURGING DEVICE MATERIAL	PE	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/01/30	TIME (24 HR CLOCK)	14:20	MATRIX	H2O
SAMPLING DEVICE (SEE BELOW	E	DEDICATED-(Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	SS.	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	TOR	LAND ELEVATION (FT./MSL)	—
REF. PT. ELEV.(FT. MSL)	—	WELL DEPTH (FT.)	28.40
DEPTH TO WATER (REF. PT.)	10.70	STICKUP (FT.)	—
GW. ELEV.(FT. MSL.)	—	WELL DIAMETER (INCHES)	2.00

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Sample	Final Sample
pH (STD)	8.6	8.6	8.2	8.2
SPEC. COND.(UMHOS/CM)	2200	2200	3070	2900
TEMPERATURE (C)	—	—	—	—
OTHER (SPECIFY)	—	—	—	—

COMMENTS/CALCULATIONS

WEATHER CONDITIONS P. Cloudy 20°F

SAMPLE APPEARANCE Black particulates

2" DIA. CASING CONTAINS .163 Gal./Ft.

4" DIA. CASING CONTAINS .652 Gal./Ft.

PID- 3.5 ppm

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE [signature] DATE 2/9/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME BAT, 95-976 WM NY GAI PROJECT NO. 953-9103

SAMPLE ID. BAT960129721 SOURCE CODES: RIVER OR STREAM, (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/01/29	TIME (24 HR CLOCK)	1515	ELAPSED HRS.	----
CASING VOL.(Gal.)	3.6	GAL. PURGED (Gal.)	11.0		
PURGING DEVICE (SEE BELOW)	E	PURGING DEVICE MATERIAL	SS	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/01/29	TIME (24 HR CLOCK)	1530	MATRIX	H2O
SAMPLING DEVICE (SEE BELOW	E	DEDICATED-(Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	SS	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	TOR	LAND ELEVATION (FT./MSL)	----
REF. PT. ELEV.(FT. MSL)	----	WELL DEPTH (FT.)	31.00
DEPTH TO WATER (REF. PT.)	4.74	STICKUP (FT.)	----
GW. ELEV.(FT. MSL)	----	WELL DIAMETER (INCHES)	2.00

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Sample	Final Sample
pH (STD)	5.4	5.2	5.2	5.0
SPEC. COND.(UMHOS/CM)	1100	2400	2400	2200
TEMPERATURE (C)	—	—	—	—
OTHER (SPECIFY)	—	—	—	—

COMMENTS/CALCULATIONS

WEATHER CONDITIONS Snowing 20°

SAMPLE APPEARANCE Cloudy - orange color

2" DIA. CASING CONTAINS .163 Gal./Ft.

4" DIA. CASING CONTAINS .652 Gal./Ft.

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE [signature] DATE 2/9/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME BAT, 95-976 WNY GAI PROJECT NO. 953-9103

SAMPLE ID. BAT960131B7220 SOURCE CODES: RIVER OR STREAM, (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/01/31	TIME (24 HR CLOCK)	13:35	ELAPSED HRS.	----
CASING VOL.(Gal.)	0.3	GAL. PURGED (Gal.)	0.4 TO DRY		
PURGING DEVICE (SEE BELOW)	E	PURGING DEVICE MATERIAL	SS.	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/01/31	TIME (24 HR CLOCK)	13:40	MATRIX	H2O
SAMPLING DEVICE (SEE BELOW		DEDICATED-(Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL		SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	TOR	LAND ELEVATION (FT./MSL)	~~11.65~~ 11.65
REF. PT. ELEV.(FT. MSL)		WELL DEPTH (FT.)	
DEPTH TO WATER (REF. PT.)	9.80	STICKUP (FT.)	
GW. ELEV.(FT. MSL)		WELL DIAMETER (INCHES)	2.00

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Simple	Final Simple
pH (STD)	8.3	8.2	*	*
SPEC. COND.(UMHOS/CM)	1900	2200		Insufficient Volume
TEMPERATURE (C)	6	5		
OTHER (SPECIFY)				

COMMENTS/CALCULATIONS

WEATHER CONDITIONS Cloudy 15°F

SAMPLE APPEARANCE Turbid

2" DIA. CASING CONTAINS .163 Gal./Ft.

4" DIA. CASING CONTAINS .652 Gal./Ft.

PID-0.0

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE [signature] DATE 2/9/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME BAT, 95-976 Wurtsboro NY GAI PROJECT NO. 953-9103

SAMPLE ID. BAT960131B7221 SOURCE CODES: RIVER OR STREAM, (WELL), SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/01/31	TIME (24 HR CLOCK)	13:35	ELAPSED HRS.	----
CASING VOL.(Gal.)	2.9	GAL. PURGED (Gal.)	9		
PURGING DEVICE (SEE BELOW)	C	PURGING DEVICE MATERIAL	PE	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/01/31	TIME (24 HR CLOCK)	13:50	MATRIX	H2O
SAMPLING DEVICE (SEE BELOW	E	DEDICATED (Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	S.S.	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	TOR	LAND ELEVATION (FT./MSL)	----
REF. PT. ELEV.(FT. MSL)	----	WELL DEPTH (FT.)	33.00
DEPTH TO WATER (REF. PT.)	14.90	STICKUP (FT.)	----
GW. ELEV.(FT. MSL)	----	WELL DIAMETER (INCHES)	2.00

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Simple	Final Simple
pH (STD)	8.0	8.1	8.1	8.1
SPEC. COND.(UMHOS/CM)	2900	3100	2800	3100
TEMPERATURE (C)	6	8	7	7
OTHER (SPECIFY)	----	----	----	----

COMMENTS/CALCULATIONS

WEATHER CONDITIONS Cloudy 15°F

SAMPLE APPEARANCE Clear

2" DIA. CASING CONTAINS .163 Gal./Ft.

4" DIA. CASING CONTAINS .652 Gal./Ft.

ACID - 0.0

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE [signature] DATE 2/9/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME BAT, 95-976 WMA NY GAI PROJECT NO. 953-9103

SAMPLE ID. BAT960131B230 SOURCE CODES: RIVER OR STREAM, (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/01/31	TIME (24 HR CLOCK)	9:00	ELAPSED HRS.	----
CASING VOL.(Gal.)	1.5	GAL. PURGED (Gal.)	4.5		
PURGING DEVICE (SEE BELOW)	E	PURGING DEVICE MATERIAL	SS.	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/01/31	TIME (24 HR CLOCK)	9:10	MATRIX	H2O
SAMPLING DEVICE (SEE BELOW	E	DEDICATED-(Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	SS.	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	TOR	LAND ELEVATION (FT./MSL)	----
REF. PT. ELEV.(FT. MSL)	----	WELL DEPTH (FT.)	14.00
DEPTH TO WATER (REF. PT.)	4.89	STICKUP (FT.)	----
GW. ELEV.(FT. MSL)	----	WELL DIAMETER (INCHES)	2.00

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Simple	Final Simple
pH (STD)	8.4	8.3	8.3	8.3
SPEC. COND.(UMHOS/CM)	1800	1900	1900	1900
TEMPERATURE (C)	—	—	—	—
OTHER (SPECIFY)	—	—	—	—

COMMENTS/CALCULATIONS

WEATHER CONDITIONS Cloudy 16°F

SAMPLE APPEARANCE Brown Turbidity

2" DIA. CASING CONTAINS .163 Gal./Ft.

4" DIA. CASING CONTAINS .652 Gal./Ft.

PID - 0.0

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE [signature] DATE 2/9/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME BAT, 95-976 WNY GAI PROJECT NO. 953-9103

SAMPLE ID. BAT960131890 21 SOURCE CODES: RIVER OR STREAM, (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/01/31	TIME (24 HR CLOCK)	9:40	ELAPSED HRS.	—
CASING VOL.(Gal.)	3.4	GAL. PURGED (Gal.)	10		
PURGING DEVICE (SEE BELOW)	C	PURGING DEVICE MATERIAL	PF	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/01/31	TIME (24 HR CLOCK)	10:15	MATRIX	H2O
SAMPLING DEVICE (SEE BELOW	E	DEDICATED-(Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	S.S.	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	TOR	LAND ELEVATION (FT./MSL)	—
REF. PT. ELEV.(FT. MSL)	—	WELL DEPTH (FT.)	34.80
DEPTH TO WATER (REF. PT.)	13.97	STICKUP (FT.)	—
GW. ELEV.(FT. MSL)	—	WELL DIAMETER (INCHES)	2.00

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Simple	Final Simple
pH (STD)	8.3	8.4	8.3	8.2
SPEC. COND.(UMHOS/CM)	2000	3400	3000	3100
TEMPERATURE (C)	—	—	—	—
OTHER (SPECIFY)	—	—	—	—

COMMENTS/CALCULATIONS

WEATHER CONDITIONS Sun 15°F

SAMPLE APPEARANCE Clear -

2" DIA. CASING CONTAINS .163 Gal./Ft.

4" DIA. CASING CONTAINS .652 Gal./Ft.

PID - 0.0

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE [signature] DATE 1/31/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME BAT, 95-97 Ithaca NY GAI PROJECT NO. 953-9103

SAMPLE ID. BAT960131890230 SOURCE CODES: RIVER OR STREAM, (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/01/31	TIME (24 HR CLOCK)	9:40	ELAPSED HRS.	----
CASING VOL.(Gal.)	8	GAL. PURGED (Gal.)	24		
PURGING DEVICE (SEE BELOW)	E	PURGING DEVICE MATERIAL	S.S.	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/01/31	TIME (24 HR CLOCK)	10:50	MATRIX	H_2O
SAMPLING DEVICE (SEE BELOW	E	DEDICATED-(Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	S.S.	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	TOR	LAND ELEVATION (FT./MSL)	----
REF. PT. ELEV.(FT. MSL)	----	WELL DEPTH (FT.)	58.15
DEPTH TO WATER (REF. PT.)	9.67	STICKUP (FT.)	----
GW. ELEV.(FT. MSL)	----	WELL DIAMETER (INCHES)	2.00

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Simple	Final Simple
pH (STD)	7.9	7.9	8.0	8.0
SPEC. COND.(UMHOS/CM)	5100	5000	5000	5200
TEMPERATURE (C)	—	—	—	—
OTHER (SPECIFY)	—	—	—	—

COMMENTS/CALCULATIONS

WEATHER CONDITIONS Sun 15°F

SAMPLE APPEARANCE Clear - Strong Sulfide odor

2" DIA. CASING CONTAINS .163 Gal./Ft.

4" DIA. CASING CONTAINS .652 Gal./Ft.

PID-0.7

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE [signature] DATE 2/9/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME BAT, 95-976 WM NY GAI PROJECT NO. 953-9103

SAMPLE ID. BAT960130 89031 SOURCE CODES: RIVER OR STREAM, (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/01/30	TIME (24 HR CLOCK)	14:30	ELAPSED HRS.	—
CASING VOL.(Gal.)	2.9	GAL. PURGED (Gal.)	9		
PURGING DEVICE (SEE BELOW)	E	PURGING DEVICE MATERIAL	SS	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/01/30	TIME (24 HR CLOCK)	14:50	MATRIX	H2O
SAMPLING DEVICE (SEE BELOW	E	DEDICATED-(Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	SS.	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	TOR	LAND ELEVATION (FT./MSL)	—
REF. PT. ELEV.(FT. MSL)	—	WELL DEPTH (FT.)	32.60
DEPTH TO WATER (REF. PT.)	14.85	STICKUP (FT.)	—
GW. ELEV.(FT. MSL)	—	WELL DIAMETER (INCHES)	2.00

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Simple	Final Simple
pH (STD)	8.4	8.3	8.3	8.2
SPEC. COND.(UMHOS/CM)	1500	800	1900	1700
TEMPERATURE (C)	—	—	—	—
OTHER (SPECIFY)	—	—	—	—

COMMENTS/CALCULATIONS

WEATHER CONDITIONS Cloudy 20°F

SAMPLE APPEARANCE ~~Clear~~ Opaque Turbidity

2" DIA. CASING CONTAINS .163 Gal./Ft.

4" DIA. CASING CONTAINS .652 Gal./Ft.

PID - 0.5 ppm

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE [signature] DATE 2/1/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME BAT, 95-97 Hudson NY GAI PROJECT NO. 953-9103

SAMPLE ID. BAT960130890411 SOURCE CODES: RIVER OR STREAM, (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/01/30	TIME (24 HR CLOCK)	13:20	ELAPSED HRS.	—
CASING VOL.(Gal.)	3.5	GAL. PURGED (Gal.)	11		
PURGING DEVICE (SEE BELOW)	B C	PURGING DEVICE MATERIAL	PE	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/01/—	TIME (24 HR CLOCK)	1340	MATRIX	H2O
SAMPLING DEVICE (SEE BELOW	E	DEDICATED (Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	PE SS	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	TOR	LAND ELEVATION (FT./MSL)	—
REF. PT. ELEV.(FT. MSL)	—	WELL DEPTH (FT.)	28.90
DEPTH TO WATER (REF. PT.)	7.14	STICKUP (FT.)	—
GW. ELEV.(FT. MSL)	—	WELL DIAMETER (INCHES)	2.00

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Simple	Final Sample
pH (STD)	8.5	8.0	8.4	8.4
SPEC. COND.(UMHOS/CM)	3200	3800	3000	3100
TEMPERATURE (C)	—	—	—	—
OTHER (SPECIFY)	—	—	—	—

COMMENTS/CALCULATIONS

WEATHER CONDITIONS Sun 20°F

SAMPLE APPEARANCE Clear

2" DIA. CASING CONTAINS .163 Gal./Ft.

4" DIA. CASING CONTAINS .652 Gal./Ft.

MS/MSD collected

PID- 0.0 ppm

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE [signature] DATE 2/9/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME BAT, 95-976 WNY GAI PROJECT NO. 953-9103

SAMPLE ID. BAT960129340SIA SOURCE CODES: RIVER OR STREAM, (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/01/29	TIME (24 HR CLOCK)	~~1030~~ 0950	ELAPSED HRS.	—
CASING VOL.(Gal.)	4.1	GAL. PURGED (Gal.)	13		
PURGING DEVICE (SEE BELOW)	Pump E	PURGING DEVICE MATERIAL	~~SS~~ TEFLON	DEDICATED (Y/N)	Y

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/01/29	TIME (24 HR CLOCK)	1045	MATRIX	H2O
SAMPLING DEVICE (SEE BELOW	6	DEDICATED-(Y/N)		FILTERED (Y/N)	N
SAMPLING DEVICE MATERIAL	SS	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	TOR	LAND ELEVATION (FT./MSL)	—
REF. PT. ELEV.(FT. MSL)	—	WELL DEPTH (FT.)	39.33
DEPTH TO WATER (REF. PT.)	13.87	STICKUP (FT.)	—
GW. ELEV.(FT. MSL)	—	WELL DIAMETER (INCHES)	2.00

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Sample	Final Sample
pH (STD)	~~7.9~~ 7.6	7.9	7.9	7.7
SPEC. COND.(UMHOS/CM)	3100	3500	3500	3500
TEMPERATURE (C)	—	—	—	—
OTHER (SPECIFY)	—	—	—	—

COMMENTS/CALCULATIONS

WEATHER CONDITIONS 20° Snowing

SAMPLE APPEARANCE Clear

2" DIA. CASING CONTAINS .163 Gal./Ft.

4" DIA. CASING CONTAINS .652 Gal./Ft.

PID-0.0

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE [signature] DATE 2/9/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME BAT, 95-976 Wurtsboro NY GAI PROJECT NO. 953-9103

SAMPLE ID. BAT960129SW05DUP SOURCE CODES: RIVER OR STREAM, (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/01/29	TIME (24 HR CLOCK)	0950	ELAPSED HRS.	----
CASING VOL.(Gal.)	2.16	GAL. PURGED (Gal.)	6		
PURGING DEVICE (SEE BELOW)	E	PURGING DEVICE MATERIAL	SS	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/01/29	TIME (24 HR CLOCK)	1015	MATRIX	H2O
SAMPLING DEVICE (SEE BELOW	E	DEDICATED (Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	SS	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	TOR	LAND ELEVATION (FT./MSL)	----
REF. PT. ELEV.(FT. MSL)	----	WELL DEPTH (FT.)	24.00
DEPTH TO WATER (REF. PT.)	4.92	STICKUP (FT.)	----
GW. ELEV.(FT. MSL)	----	WELL DIAMETER (INCHES)	2.00

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Simple	Final Simple
pH (STD)	7.9	8.1	8.1	7.8
SPEC. COND.(UMHOS/CM)	1600	1700	1700	1400
TEMPERATURE (C)	—	—	—	—
OTHER (SPECIFY)	—	—	—	—

COMMENTS/CALCULATIONS

WEATHER CONDITIONS 20° Sunny

SAMPLE APPEARANCE Clear

2" DIA. CASING CONTAINS .163 Gal./Ft.

4" DIA. CASING CONTAINS .652 Gal./Ft.

PID-0.0

DUP

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE [signature] DATE 2/9/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME: BAT, 95-97 Horn NY GAI PROJECT NO.: 953-9103

SAMPLE ID.: BAT960130 89061 SOURCE CODES: RIVER OR STREAM, (WELL), SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/01/30	TIME (24 HR CLOCK)	10:30	ELAPSED HRS.	____
CASING VOL.(Gal.)	6.3	GAL. PURGED (Gal.)	20		
PURGING DEVICE (SEE BELOW)	C	PURGING DEVICE MATERIAL	PE	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/01/30	TIME (24 HR CLOCK)	11:00	MATRIX	H2O
SAMPLING DEVICE (SEE BELOW	E	DEDICATED-(Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	SS	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	TOR	LAND ELEVATION (FT./MSL)	____
REF. PT. ELEV.(FT. MSL)	____	WELL DEPTH (FT.)	48.20
DEPTH TO WATER (REF. PT.)	4.70	STICKUP (FT.)	____
GW. ELEV.(FT. MSL)	____	WELL DIAMETER (INCHES)	2.00

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Sample	Final Sample
pH (STD)	9.2	8.2	8.2	7.7
SPEC. COND.(UMHOS/CM)	1300	3600	3600	3100
TEMPERATURE (C)	—	—	—	—
OTHER (SPECIFY)	—	—	—	—

COMMENTS/CALCULATIONS

WEATHER CONDITIONS: Sun 20° F

SAMPLE APPEARANCE: Clear - Sulfide odor

2" DIA. CASING CONTAINS .163 Gal./Ft.

4" DIA. CASING CONTAINS .652 Gal./Ft.

PID - 0.0

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE: [signature] DATE: 2/9/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME BAT, 95-976 Wurtsboro NY GAI PROJECT NO. 953-9103

SAMPLE ID. BAT960130890714 SOURCE CODES: RIVER OR STREAM, (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/01/30	TIME (24 HR CLOCK)	9:30	ELAPSED HRS.	----
CASING VOL.(Gal.)	6.8	GAL. PURGED (Gal.)	----		
PURGING DEVICE (SEE BELOW)		PURGING DEVICE MATERIAL		DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/01/--	TIME (24 HR CLOCK)	----	MATRIX	H2O
SAMPLING DEVICE (SEE BELOW		DEDICATED-(Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL		SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	TOR	LAND ELEVATION (FT./MSL)	----
REF. PT. ELEV.(FT. MSL)	----	WELL DEPTH (FT.)	52.90
DEPTH TO WATER (REF. PT.)	11.46	STICKUP (FT.)	----
GW. ELEV.(FT. MSL)	----	WELL DIAMETER (INCHES)	2.00

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Simple	Final Simple
pH (STD)	----	----	----	----
SPEC. COND.(UMHOS/CM)	----	----	----	----
TEMPERATURE (C)	----	----	----	----
OTHER (SPECIFY)	----	----	----	----

COMMENTS/CALCULATIONS

WEATHER CONDITIONS

SAMPLE APPEARANCE

2" DIA. CASING CONTAINS .163 Gal./Ft.
4" DIA. CASING CONTAINS .652 Gal./Ft.

NOT SAMPLED - WELL WOULD NOT PASS 1/2" POLY TUBING. BLOCKED APPROX 4 1/2 FT BGS

PID - 0.0 ppm

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE [signature] DATE 2/6/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME BAT, 95-976 Wurtsboro NY GAI PROJECT NO. 953-9103

SAMPLE ID. BAT960130890718 SOURCE CODES: RIVER OR STREAM, (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/01/30	TIME (24 HR CLOCK)	9:25	ELAPSED HRS.	----
CASING VOL.(Gal.)	4.8	GAL. PURGED (Gal.)	15		
PURGING DEVICE (SEE BELOW)	C	PURGING DEVICE MATERIAL	PE	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/01/30	TIME (24 HR CLOCK)	10:05	MATRIX	H2O
SAMPLING DEVICE (SEE BELOW	E	DEDICATED (Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	S.S.	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	TOR	LAND ELEVATION (FT./MSL)	----
REF. PT. ELEV.(FT. MSL)	----	WELL DEPTH (FT.)	40.20
DEPTH TO WATER (REF. PT.)	11.--	STICKUP (FT.)	----
GW. ELEV.(FT. MSL.)	----	WELL DIAMETER (INCHES)	2.00

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Simple	Final Simple
pH (STD)	9.3	8.8	9.7	9.7
SPEC. COND.(UMHOS/CM)	3100	3200	3400	3400
TEMPERATURE (C)	—	—	—	—
OTHER (SPECIFY)	—	—	—	—

COMMENTS/CALCULATIONS

WEATHER CONDITIONS Sun 60°F

SAMPLE APPEARANCE Slightly milky Turbidity

2" DIA. CASING CONTAINS .163 Gal./Ft.

4" DIA. CASING CONTAINS .652 Gal./Ft.

FIELD DUP / FIELD BLANK

PID - 0.0 ppm

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE [signature] DATE 2/6/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME BAT , 95-97 [illegible] NY

GAI PROJECT NO. 953-9103

SAMPLE ID. BAT960131891140

SOURCE CODES: RIVER OR STREAM, WELL (circled), SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd) 96/01/31

TIME (24 HR CLOCK) 8:30

ELAPSED HRS. -----

CASING VOL.(Gal.) 0.44

GAL. PURGED (Gal.) 1.5

PURGING DEVICE (SEE BELOW) E

PURGING DEVICE MATERIAL S.S.

DEDICATED (Y/N) Y (circled)

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd) 96/01/31

TIME (24 HR CLOCK) 8:40

MATRIX H_2O

SAMPLING DEVICE (SEE BELOW E

DEDICATED-(Y/N) Y (circled)

FILTERED (Y/N) N (circled)

SAMPLING DEVICE MATERIAL S.S.

SAMPLE TYPE - GRAB (circled)/COMPOSITE (CIRCLE ONE)

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT TOR

LAND ELEVATION (FT./MSL) -----

REF. PT. ELEV.(FT. MSL) -----

WELL DEPTH (FT.) 11.90

DEPTH TO WATER (REF. PT.) 9.21

STICKUP (FT.) -----

GW. ELEV.(FT. MSL.) -----

WELL DIAMETER (INCHES) 2.00

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Sample	Final Sample
pH (STD)	8.5	8.4	8.4	8.4
SPEC. COND.(UMHOS/CM)	3500	3800	3400	3400
TEMPERATURE (C)	—	—	—	—
OTHER (SPECIFY)				

COMMENTS/CALCULATIONS

WEATHER CONDITIONS Cloudy - 15°F

SAMPLE APPEARANCE red - orange turbidity

2" DIA. CASING CONTAINS .163 Gal./Ft.

4" DIA. CASING CONTAINS .652 Gal./Ft.

PID - 0.0

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE [signature]

DATE 2/9/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME BAT, 95-97 Hwy NY GAI PROJECT NO. 953-9103

SAMPLE ID. BAT960131891411 SOURCE CODES: RIVER OR STREAM, (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/01/31	TIME (24 HR CLOCK)	8:30	ELAPSED HRS.	—
CASING VOL.(Gal.)	2.9	GAL. PURGED (Gal.)	9		
PURGING DEVICE (SEE BELOW)	E	PURGING DEVICE MATERIAL	S.S.	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/01/31	TIME (24 HR CLOCK)	8:50	MATRIX	H2O
SAMPLING DEVICE (SEE BELOW	E	DEDICATED-(Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	S.S.	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	TOR	LAND ELEVATION (FT./MSL)	—
REF. PT. ELEV.(FT. MSL)	—	WELL DEPTH (FT.)	31.70
DEPTH TO WATER (REF. PT.)	13.86	STICKUP (FT.)	—
GW. ELEV.(FT. MSL)	—	WELL DIAMETER (INCHES)	2.00

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Simple	Final Simple
pH (STD)	8.4	8.2	8.3	8.3
SPEC. COND.(UMHOS/CM)	2200	3200	3100	3100
TEMPERATURE (C)	—	—	—	—
OTHER (SPECIFY)	—	—	—	—

COMMENTS/CALCULATIONS

WEATHER CONDITIONS Cloudy 15°F

SAMPLE APPEARANCE Clear

2" DIA. CASING CONTAINS .163 Gal./Ft.

4" DIA. CASING CONTAINS .652 Gal./Ft.

STD-0.0

DUP sample collected

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE [signature] DATE 2/9/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME BAT, 95-976 WM NY GAI PROJECT NO. 953-9103

SAMPLE ID. BAT960201891S1 SOURCE CODES: RIVER OR STREAM, (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/02/01	TIME (24 HR CLOCK)	15:00	ELAPSED HRS.	—
CASING VOL.(Gal.)	3.2	GAL. PURGED (Gal.)	10		
PURGING DEVICE (SEE BELOW)	E	PURGING DEVICE MATERIAL	S.S.	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/02/01	TIME (24 HR CLOCK)	15:20	MATRIX	H2O
SAMPLING DEVICE (SEE BELOW	E	DEDICATED-(Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	S.S.	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	TOR	LAND ELEVATION (FT./MSL)	—
REF. PT. ELEV.(FT. MSL)	—	WELL DEPTH (FT.)	35.10
DEPTH TO WATER (REF. PT.)	15.22	STICKUP (FT.)	2.00
GW. ELEV.(FT. MSL)	—	WELL DIAMETER (INCHES)	

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Sample	Final Sample
pH (STD)	8.5	8.2	8.0	7.9
SPEC. COND.(UMHOS/CM)	2100	4200	4000	4100
TEMPERATURE (C)	2	10	10	10
OTHER (SPECIFY)	—	—	—	—

COMMENTS/CALCULATIONS

WEATHER CONDITIONS P. Cloudy 10° F

SAMPLE APPEARANCE clear, SULFIDE odor

2" DIA. CASING CONTAINS .163 Gal./Ft.

4" DIA. CASING CONTAINS .652 Gal./Ft.

PID - 3.2 ppm

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE [signature] DATE 2/1/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME BAT, 95-976 Wurtsboro NY GAI PROJECT NO. 953-9103

SAMPLE ID. BAT960131891611) SOURCE CODES: RIVER OR STREAM, (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/01/31	TIME (24 HR CLOCK)	14:10	ELAPSED HRS.	----
CASING VOL.(Gal.)	3.7	GAL. PURGED (Gal.)	11		
PURGING DEVICE (SEE BELOW)	E.	PURGING DEVICE MATERIAL	S.S.	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/01/31	TIME (24 HR CLOCK)	14:35	MATRIX	H2O
SAMPLING DEVICE (SEE BELOW	E	DEDICATED-(Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	S.S.	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	TOR	LAND ELEVATION (FT./MSL)	----
REF. PT. ELEV.(FT. MSL)	----	WELL DEPTH (FT.)	28.80
DEPTH TO WATER (REF. PT.)	6.31	STICKUP (FT.)	----
GW. ELEV.(FT. MSL)	----	WELL DIAMETER (INCHES)	2.00

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Sample	Final Sample
pH (STD)	8.2	8.1	8.1	8.1
SPEC. COND.(UMHOS/CM)	2900	3200	3100	3100
TEMPERATURE (C)	8	8	8	8
OTHER (SPECIFY)	—	—	—	—

COMMENTS/CALCULATIONS

WEATHER CONDITIONS P. Cloudy

SAMPLE APPEARANCE Clear

2" DIA. CASING CONTAINS .163 Gal./Ft.

4" DIA. CASING CONTAINS .652 Gal./Ft.

PID - 0.0 ppm

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE [signature] DATE 2/9/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME BAT, 95-976 WM NY GAI PROJECT NO. 953-9103

SAMPLE ID. BAT960130891/1 SOURCE CODES: RIVER OR STREAM, (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	960130	TIME (24 HR CLOCK)	15:40	ELAPSED HRS.	—
CASING VOL.(Gal.)	3.7	GAL. PURGED (Gal.)	11		
PURGING DEVICE (SEE BELOW)	C	PURGING DEVICE MATERIAL	PE	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	960130	TIME (24 HR CLOCK)	16:00	MATRIX	H2O
SAMPLING DEVICE (SEE BELOW	E	DEDICATED-(Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	S.S.	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	TOR	LAND ELEVATION (FT./MSL)	—
REF. PT. ELEV.(FT. MSL)	—	WELL DEPTH (FT.)	29.00
DEPTH TO WATER (REF. PT.)	6.37	STICKUP (FT.)	—
GW. ELEV.(FT. MSL)	—	WELL DIAMETER (INCHES)	2.00

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Sample	Final Sample
pH (STD)	8.4	7.9	8.0	8.0
SPEC. COND.(UMHOS/CM)	3600	3800	3700	3700
TEMPERATURE (C)	—	—	—	—
OTHER (SPECIFY)	—	—	—	—

COMMENTS/CALCULATIONS

WEATHER CONDITIONS Cloudy 20°F

SAMPLE APPEARANCE Clear

2" DIA. CASING CONTAINS .163 Gal./Ft.

4" DIA. CASING CONTAINS .652 Gal./Ft.

PID-0.0

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE [signature] DATE 2/1/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME BAT, 95-976 Horn NY GAI PROJECT NO. 953-9103

SAMPLE ID. BAT960130S9181 SOURCE CODES: RIVER OR STREAM, (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/01/30	TIME (24 HR CLOCK)	8:45	ELAPSED HRS.	4
CASING VOL.(Gal.)	5.0	GAL. PURGED (Gal.)	15		
PURGING DEVICE (SEE BELOW)	E	PURGING DEVICE MATERIAL	S.S.	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/01/30	TIME (24 HR CLOCK)	9:05	MATRIX	H2O
SAMPLING DEVICE (SEE BELOW	E	DEDICATED-(Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	S.S.	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	TOR	LAND ELEVATION (FT./MSL)	
REF. PT. ELEV.(FT. MSL)		WELL DEPTH (FT.)	47.55
DEPTH TO WATER (REF. PT.)	11.86	STICKUP (FT.)	
GW. ELEV.(FT. MSL)		WELL DIAMETER (INCHES)	2.00

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Sample	Final Sample
pH (STD)	8.4	7.8	7.9	7.9
SPEC. COND.(UMHOS/CM)	2700	2900	2900	2900
TEMPERATURE (C)				
OTHER (SPECIFY)				

COMMENTS/CALCULATIONS

WEATHER CONDITIONS Sun - 20°F

SAMPLE APPEARANCE Clear

2" DIA. CASING CONTAINS .163 Gal./Ft.

4" DIA. CASING CONTAINS .652 Gal./Ft.

PID - 0.0 ppm

MS/MSD

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE [signature] DATE 2/9/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME: BAT, 95-976 WM NY GAI PROJECT NO.: 953-9103

SAMPLE ID.: BAT960129930201 SOURCE CODES: RIVER OR STREAM, (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/01/29	TIME (24 HR CLOCK)	1410	ELAPSED HRS.	----
CASING VOL.(Gal.)	3.5	GAL. PURGED (Gal.)	11.0		
PURGING DEVICE (SEE BELOW)	E	PURGING DEVICE MATERIAL	SS	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/01/29	TIME (24 HR CLOCK)	1435	MATRIX	H2O
SAMPLING DEVICE (SEE BELOW	E	DEDICATED-(Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	SS	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	TOR	LAND ELEVATION (FT./MSL)	----
REF. PT. ELEV.(FT. MSL)	----	WELL DEPTH (FT.)	35.25
DEPTH TO WATER (REF. PT.)	16.54	STICKUP (FT.)	----
GW. ELEV.(FT. MSL)	----	WELL DIAMETER (INCHES)	2.00

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Sample	Final Sample
pH (STD)	5.2	7.5	7.5	7.5
SPEC. COND.(UMHOS/CM)	1500	1500	1500	1700
TEMPERATURE (C)	—	—	—	—
OTHER (SPECIFY)	—	—	—	—

COMMENTS/CALCULATIONS

WEATHER CONDITIONS: CLEAR, ~ 20

SAMPLE APPEARANCE: CLEAR

2" DIA. CASING CONTAINS .163 Gal./Ft.

4" DIA. CASING CONTAINS .652 Gal./Ft.

PID=0.0

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE: [signature] DATE: 2/9/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME BAT, 95-97 Hwy NY GAI PROJECT NO. 953-9103

SAMPLE ID. BAT960129MW31 SOURCE CODES: RIVER OR STREAM, (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/01/29	TIME (24 HR CLOCK)	1315	ELAPSED HRS.	----
CASING VOL.(Gal.)	6.0	GAL. PURGED (Gal.)	15		
PURGING DEVICE (SEE BELOW)	Tubing	PURGING DEVICE MATERIAL	PE	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/01/29	TIME (24 HR CLOCK)	1345	MATRIX	H2O
SAMPLING DEVICE (SEE BELOW	C	DEDICATED-(Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	SS	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	TOR	LAND ELEVATION (FT./MSL)	----
REF. PT. ELEV.(FT. MSL)	----	WELL DEPTH (FT.)	47.54
DEPTH TO WATER (REF. PT.)	10.94	STICKUP (FT.)	----
GW. ELEV.(FT. MSL)	----	WELL DIAMETER (INCHES)	2.00

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Sample	Final Sample
pH (STD)	5.1	7.5	7.5	7.6
SPEC. COND.(UMHOS/CM)	2500	3100	3100	2900
TEMPERATURE (C)	—	—	—	—
OTHER (SPECIFY)	—	—	—	—

COMMENTS/CALCULATIONS

WEATHER CONDITIONS Overcast 20

SAMPLE APPEARANCE

2" DIA. CASING CONTAINS .163 Gal./Ft.

4" DIA. CASING CONTAINS .652 Gal./Ft.

PID-0.0

FB 1115/MSD

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE [signature] DATE 2/9/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME BAT, 95-976WM NY GAI PROJECT NO. 953-9103

SAMPLE ID. BAT960130 94021 SOURCE CODES: RIVER OR STREAM, (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/01/30	TIME (24 HR CLOCK)	11:15	ELAPSED HRS.	----
CASING VOL.(Gal.)	5.7	GAL. PURGED (Gal.)	17		
PURGING DEVICE (SEE BELOW)	C	PURGING DEVICE MATERIAL	PE	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/01/30	TIME (24 HR CLOCK)	11:50	MATRIX	H2O
SAMPLING DEVICE (SEE BELOW	E	DEDICATED-(Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	S.S.	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	TOR	LAND ELEVATION (FT./MSL)	----
REF. PT. ELEV.(FT. MSL)	----	WELL DEPTH (FT.)	42.84
DEPTH TO WATER (REF. PT.)	8.07	STICKUP (FT.)	----
GW. ELEV.(FT. MSL)	----	WELL DIAMETER (INCHES)	2.00

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Simple	Final Simple
pH (STD)	8.2	7.9	3500 / 8.1	3500 / 8.1
SPEC. COND.(UMHOS/CM)	3500	3600	5°	5°
TEMPERATURE (C)	5°	5°	—	—
OTHER (SPECIFY)	—	—		

COMMENTS/CALCULATIONS

WEATHER CONDITIONS Sun 60°F

SAMPLE APPEARANCE Clear Slight sulfide

2" DIA. CASING CONTAINS .163 Gal./Ft.

4" DIA. CASING CONTAINS .652 Gal./Ft. PID - 0.7 ppm

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE [signature] DATE 2-9-96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME: BAT, 95-97 [illegible] NY

GAI PROJECT NO.: 953-9103

SAMPLE ID.: BAT960129EW2

SOURCE CODES: RIVER OR STREAM, (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd): 96/01/29

CASING VOL.(Gal.): NA

PURGING DEVICE (SEE BELOW): Tubg

TIME (24 HR CLOCK): 1125

GAL. PURGED (Gal.): 1

PURGING DEVICE MATERIAL: PE

ELAPSED HRS.: —

DEDICATED (Y/N): (Y)/N

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd): 96/01/29

SAMPLING DEVICE (SEE BELOW): Tubg

SAMPLING DEVICE MATERIAL: PE

TIME (24 HR CLOCK): 1130

DEDICATED- (Y)/N

SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)

MATRIX: H_2O

FILTERED (Y/N): Y/(N)

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT: TOR

REF. PT. ELEV.(FT. MSL): —

DEPTH TO WATER (REF. PT.): NA

GW. ELEV.(FT. MSL): —

LAND ELEVATION (FT./MSL): —

WELL DEPTH (FT.): NA

STICKUP (FT.): —

WELL DIAMETER (INCHES): 2.00

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	~~Final Purge~~	~~Initial Sample~~	Final Sample
pH (STD)	8.1	8.0	NA	8.0
SPEC. COND.(UMHOS/CM)	2300	NA	NA	2200
TEMPERATURE (C)	—			—
OTHER (SPECIFY)	—			—

COMMENTS/CALCULATIONS

WEATHER CONDITIONS: overcast, 25 — Thermometer Broken

SAMPLE APPEARANCE: Clear

2" DIA. CASING CONTAINS .163 Gal./Ft.
4" DIA. CASING CONTAINS .652 Gal./Ft.

OVM 0.7
O_2 21
LEL -1
CO -3
H_2S -1

WL = 567.46

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

DATE 2/9/96

SAMPLER SIGNATURE [signature]

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME BAT, 95-976 WM NY GAI PROJECT NO. 953-9103

SAMPLE ID. BAT960129EW#3 SOURCE CODES: RIVER OR STREAM, (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/01/29	TIME (24 HR CLOCK)	1110	ELAPSED HRS.	---
CASING VOL.(Gal.)	NA	GAL. PURGED (Gal.)	1		
PURGING DEVICE (SEE BELOW)	Tubg	PURGING DEVICE MATERIAL	PE	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/01/29	TIME (24 HR CLOCK)	1115	MATRIX	H2O
SAMPLING DEVICE (SEE BELOW	Tubg	DEDICATED-(Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	PE	SAMPLE TYPE - GRAB/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	TOR	LAND ELEVATION (FT./MSL)	---
REF. PT. ELEV.(FT. MSL)	---	WELL DEPTH (FT.)	NA
DEPTH TO WATER (REF. PT.)	NA	STICKUP (FT.)	---
GW. ELEV.(FT. MSL)	---	WELL DIAMETER (INCHES)	2.00

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	~~Final Purge~~	~~Initial Sample~~	Final Sample
pH (STD)	8.2	---	---	8.1
SPEC. COND.(UMHOS/CM)	2200	NA	NA	2100
TEMPERATURE (C)	---	---	---	---
OTHER (SPECIFY)	---	---	---	---

COMMENTS/CALCULATIONS

WEATHER CONDITIONS Overcast 25

SAMPLE APPEARANCE Clear

2" DIA. CASING CONTAINS .163 Gal./Ft.

4" DIA. CASING CONTAINS .652 Gal./Ft.

CO/M	1.0
LEL	-1
H_2S	0
O_2	21.0
CO	0

WL = 562.32

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE [signature] DATE 2/8/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME BAT, 95-976 Wurtsboro NY GAI PROJECT NO. 953-9103

SAMPLE ID. BAT960129EW4 SOURCE CODES: RIVER OR STREAM, (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/01/29	TIME (24 HR CLOCK)	1055	ELAPSED HRS.	----
CASING VOL.(Gal.)	NA	GAL. PURGED (Gal.)	1		
PURGING DEVICE (SEE BELOW)	Tubing	PURGING DEVICE MATERIAL	PE	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/01/29	TIME (24 HR CLOCK)	1100	MATRIX	H2O
SAMPLING DEVICE (SEE BELOW	Tubing	DEDICATED-(Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	PE	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	TOR	LAND ELEVATION (FT./MSL)	----
REF. PT. ELEV.(FT. MSL)	----	WELL DEPTH (FT.)	NA
DEPTH TO WATER (REF. PT.)	~~NA~~	STICKUP (FT.)	----
GW. ELEV.(FT. MSL)	----	WELL DIAMETER (INCHES)	2.00

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	~~Final Purge~~	~~Initial Sample~~	Final Sample
pH (STD)	5.12	----	----	5.1
SPEC. COND.(UMHOS/CM)	1600	NA	NA	1600
TEMPERATURE (C)	----	----	----	----
OTHER (SPECIFY)	----	----	----	----

COMMENTS/CALCULATIONS

WEATHER CONDITIONS 25 overcast

SAMPLE APPEARANCE Clear

2" DIA. CASING CONTAINS .163 Gal./Ft.

4" DIA. CASING CONTAINS .652 Gal./Ft.

WL = 553.5

LEL = 1

O_2 = 21.0

CO = 0

H_2S = 0

VOM = 0.0

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE [signature] DATE 2/1/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME BAT, 95-976 Wyoming NY GAI PROJECT NO. 953-9103

SAMPLE ID. BAT960129GW5 SOURCE CODES: RIVER OR STREAM, (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/01/29	TIME (24 HR CLOCK)	0930	ELAPSED HRS.	----
CASING VOL.(Gal.)	NA	GAL. PURGED (Gal.)	29.1		
PURGING DEVICE (SEE BELOW)	PE Tube	PURGING DEVICE MATERIAL	PE	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/01/29	TIME (24 HR CLOCK)	0940	MATRIX	H_2O
SAMPLING DEVICE (SEE BELOW	PE Tube	DEDICATED-(Y/N)		FILTERED (Y/(N))	
SAMPLING DEVICE MATERIAL	"	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	TOR	LAND ELEVATION (FT./MSL)	----
REF. PT. ELEV.(FT. MSL)	----	WELL DEPTH (FT.)	----
DEPTH TO WATER (REF. PT.)	----	STICKUP (FT.)	----
GW. ELEV.(FT. MSL)	----	WELL DIAMETER (INCHES)	2.00

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	~~Initial Sample~~	Final Sample
pH (STD)	6.0	----	----	7.5
SPEC. COND.(UMHOS/CM)	3.000	NA	NA	2900
TEMPERATURE (C)	~~50~~	----	----	~~2~~
OTHER (SPECIFY)	----	----	----	----

COMMENTS/CALCULATIONS

WEATHER CONDITIONS 25° Snowy

SAMPLE APPEARANCE Clear

2" DIA. CASING CONTAINS .163 Gal./Ft.

4" DIA. CASING CONTAINS .652 Gal./Ft.

H_2S ~~-1 ppm~~

OVM ~~.1 ppm~~

~~CO~~

LEL 1.0 %

O_2 20.5 %

WL = ~~555~~.08

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE [signature] DATE 1/29/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME BAT, 95-976 Hwy NY GAI PROJECT NO. 953-9103

SAMPLE ID. BAT960202EW-6 SOURCE CODES: RIVER OR STREAM, (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/02/02	TIME (24 HR CLOCK)	11:35	ELAPSED HRS.	—
CASING VOL.(Gal.)	—	GAL. PURGED (Gal.)	2.0		
PURGING DEVICE (SEE BELOW)	Tubing	PURGING DEVICE MATERIAL	PE	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/02/02	TIME (24 HR CLOCK)	11:40	MATRIX	H2O
SAMPLING DEVICE (SEE BELOW	Tubing	DEDICATED-(Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	PE	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	TOR	LAND ELEVATION (FT./MSL)	—
REF. PT. ELEV.(FT. MSL)	—	WELL DEPTH (FT.)	—
DEPTH TO WATER (REF. PT.)	7.83	STICKUP (FT.)	—
GW. ELEV.(FT. MSL)	—	WELL DIAMETER (INCHES)	2.00

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Simple	Final Simple
pH (STD)	8.2	—	—	8.1
SPEC. COND.(UMHOS/CM)	1700	—	—	1800
TEMPERATURE (C)	9	—	—	9
OTHER (SPECIFY)	—	—	—	—

COMMENTS/CALCULATIONS

WEATHER CONDITIONS Sun 10°F

SAMPLE APPEARANCE Clear

2" DIA. CASING CONTAINS .163 Gal./Ft.

4" DIA. CASING CONTAINS .652 Gal./Ft.

H_2S - -1

CO - 0

PID - 0.3

O_2 - 20.6

LEL - 0%

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE [signature] DATE 2/9/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME BAT, 95-97 Hudson NY GAI PROJECT NO. 953-9103

SAMPLE ID. BAT960131EW7 SOURCE CODES: RIVER OR STREAM, (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/01/31	TIME (24 HR CLOCK)	1515	ELAPSED HRS.	----
CASING VOL.(Gal.)	--	GAL. PURGED (Gal.)	2.0		
PURGING DEVICE (SEE BELOW)	TUBing	PURGING DEVICE MATERIAL	PE	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/01/31	TIME (24 HR CLOCK)	1525	MATRIX	H2O
SAMPLING DEVICE (SEE BELOW	TUBing	DEDICATED-(Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	PE	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	TOR	LAND ELEVATION (FT./MSL)	----
REF. PT. ELEV.(FT. MSL)	----	WELL DEPTH (FT.)	----
DEPTH TO WATER (REF. PT.)	568.67	STICKUP (FT.)	----
GW. ELEV.(FT. MSL)	----	WELL DIAMETER (INCHES)	2.00

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Simple	Final Sample
pH (STD)	8.8	8.8	8.0	8.0
SPEC. COND.(UMHOS/CM)	3200	3200	3000	3000
TEMPERATURE (C)	10	10	11	11
OTHER (SPECIFY)	—	—	—	—

COMMENTS/CALCULATIONS

WEATHER CONDITIONS ~~Slightly~~ WINDY 10-15°F

SAMPLE APPEARANCE SLIGHTLY TURBID, SULFIDE odor

2" DIA. CASING CONTAINS .163 Gal./Ft.

4" DIA. CASING CONTAINS .652 Gal./Ft.

PID - 0.0
O2 - 20.8
LEL - -1
CO - 0
H2S - -1

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE [signature] DATE 2/4/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME: BAT, 95-97 Horn NY GAI PROJECT NO.: 953-9103

SAMPLE ID.: BAT960131EW8 SOURCE CODES: RIVER OR STREAM, (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/01/31	TIME (24 HR CLOCK)	1300	ELAPSED HRS.	----
CASING VOL.(Gal.)	—	GAL. PURGED (Gal.)	2.0		
PURGING DEVICE (SEE BELOW)	PETUBIN	PURGING DEVICE MATERIAL	PE	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/01/31	TIME (24 HR CLOCK)	1312	MATRIX	H2O
SAMPLING DEVICE (SEE BELOW	TUBING	DEDICATED-(Y/N)		FILTERED (Y/(N))	
SAMPLING DEVICE MATERIAL	PE	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	TOR	LAND ELEVATION (FT./MSL)	----
REF. PT. ELEV.(FT. MSL)	—	WELL DEPTH (FT.)	----
DEPTH TO WATER (REF. PT.)	6.76	STICKUP (FT.)	----
GW. ELEV.(FT. MSL)	----	WELL DIAMETER (INCHES)	2.00

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Simple	Final Sample
pH (STD)	8.1	—	—	8.0
SPEC. COND.(UMHOS/CM)	3000	NA	NA	2900
TEMPERATURE (C)	11	—	—	10
OTHER (SPECIFY)	—	—	—	—

COMMENTS/CALCULATIONS

WEATHER CONDITIONS: Overcast 10-15°F

SAMPLE APPEARANCE: Clear, Slight Sulfide odor

2" DIA. CASING CONTAINS .163 Gal./Ft.

4" DIA. CASING CONTAINS .652 Gal./Ft.

Pump switch in "off" position when sampled - purged Tubing for 2 min (~ 12 gal.) before sampling)

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE DATE

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME: BAT, 95-976 WM NY GAI PROJECT NO.: 953-9103

SAMPLE ID.: BAT960205DW1 SOURCE CODES: RIVER OR STREAM, (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/02/05	TIME (24 HR CLOCK)	1400	ELAPSED HRS.	----
CASING VOL.(Gal.)	—	GAL. PURGED (Gal.)	2.0		
PURGING DEVICE (SEE BELOW)	Tubing	PURGING DEVICE MATERIAL	PE	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/02/05	TIME (24 HR CLOCK)	1410	MATRIX	H2O
SAMPLING DEVICE (SEE BELOW	Tubing	DEDICATED (Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	PE	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	TOR	LAND ELEVATION (FT./MSL)	----
REF. PT. ELEV.(FT. MSL)	—	WELL DEPTH (FT.)	----
DEPTH TO WATER (REF. PT.)	567.40	STICKUP (FT.)	----
GW. ELEV.(FT. MSL)	----	WELL DIAMETER (INCHES)	2.00

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Sample	Final Sample
pH (STD)	8.2	8.2	8.2	8.2
SPEC. COND.(UMHOS/CM)	2000	2000	1900	1900
TEMPERATURE (C)	8	8	8	8
OTHER (SPECIFY)	—	—	—	—

COMMENTS/CALCULATIONS

WEATHER CONDITIONS: Overcast 10° F windy

SAMPLE APPEARANCE: Clear

2" DIA. CASING CONTAINS .163 Gal./Ft.

4" DIA. CASING CONTAINS .652 Gal./Ft.

PID = 0.0
LEL = 0
O2 = 20.8
CO = -1
H2S = -1

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE: [signature] DATE: 2/9/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME BAT, 95-976 WYM NY GAI PROJECT NO. 953-9103

SAMPLE ID. BAT960205DW10 SOURCE CODES: RIVER OR STREAM, (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/02/05	TIME (24 HR CLOCK)	1425	ELAPSED HRS.	----
CASING VOL.(Gal.)	---	GAL. PURGED (Gal.)	2		
PURGING DEVICE (SEE BELOW)	TUBING	PURGING DEVICE MATERIAL	PE	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/02/05	TIME (24 HR CLOCK)	1440	MATRIX	H2O
SAMPLING DEVICE (SEE BELOW	TUBING	DEDICATED (Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	PE	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	TOR	LAND ELEVATION (FT./MSL)	---.--
REF. PT. ELEV.(FT. MSL)	---	WELL DEPTH (FT.)	---.--
DEPTH TO WATER (REF. PT.)	572.69	STICKUP (FT.)	---.--
GW. ELEV.(FT. MSL)	---.--	WELL DIAMETER (INCHES)	2.00

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Sample	Final Sample
pH (STD)	8.1	8.1	8.0	8.0
SPEC. COND.(UMHOS/CM)	2700	2700	2900	2900
TEMPERATURE (C)	9	9	9	9
OTHER (SPECIFY)	---	---	---	---

COMMENTS/CALCULATIONS

WEATHER CONDITIONS: WINDY, 10°F

SAMPLE APPEARANCE: CLEAR SULFIDE ODOR

2" DIA. CASING CONTAINS .163 Gal./Ft.

4" DIA. CASING CONTAINS .652 Gal./Ft.

PID - 0.0
LEL - -1
O2 - 20.9
CO - 0
H2S - 1

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE [signature] DATE 2/9/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME BAT, 95-976 WYM NY GAI PROJECT NO. 953-9103

SAMPLE ID. BAT960205DW11 SOURCE CODES: RIVER OR STREAM, (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	960205	TIME (24 HR CLOCK)	1610	ELAPSED HRS.	—
CASING VOL.(Gal.)		GAL. PURGED (Gal.)	2.0		
PURGING DEVICE (SEE BELOW)	TUBING	PURGING DEVICE MATERIAL	PE	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	960205	TIME (24 HR CLOCK)	1620	MATRIX	H2O
SAMPLING DEVICE (SEE BELOW	TUBING	DEDICATED-(Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	PE	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	TOR	LAND ELEVATION (FT./MSL)	—
REF. PT. ELEV.(FT. MSL)	—	WELL DEPTH (FT.)	—
DEPTH TO WATER (REF. PT.)	573.10	STICKUP (FT.)	—
GW. ELEV.(FT. MSL)	—	WELL DIAMETER (INCHES)	2.00

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Simple	Final Simple
pH (STD)	8.2	8.2	8.3	8.3
SPEC. COND.(UMHOS/CM)	2400	2400	2600	2600
TEMPERATURE (C)	9	9	9	9
OTHER (SPECIFY)	—	—	—	—

COMMENTS/CALCULATIONS

WEATHER CONDITIONS WINDY 10°F

SAMPLE APPEARANCE CLEAR SULFIDE ODOR

2" DIA. CASING CONTAINS .163 Gal./Ft.

4" DIA. CASING CONTAINS .652 Gal./Ft.

PID = 0.0
LEL = -1
O2 = 20.8
CO = 0
H_2S = 0

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE [signature] DATE 2/9/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME BAT, 95-97 Horn NY GAI PROJECT NO. 953-9103

SAMPLE ID. BAT960205DW12 SOURCE CODES: RIVER OR STREAM, (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96,02,05	TIME (24 HR CLOCK)	1440	ELAPSED HRS.	—
CASING VOL.(Gal.)	—	GAL. PURGED (Gal.)	3.0		
PURGING DEVICE (SEE BELOW)	TUBING	PURGING DEVICE MATERIAL	PE	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96,02,05	TIME (24 HR CLOCK)	1450	MATRIX	H2O
SAMPLING DEVICE (SEE BELOW	TUBING	DEDICATED (Y/N)		FILTERED (Y/(N))	
SAMPLING DEVICE MATERIAL	PE	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	TOR	LAND ELEVATION (FT./MSL)	—
REF. PT. ELEV.(FT. MSL)	—	WELL DEPTH (FT.)	—
DEPTH TO WATER (REF. PT.)	571.43	STICKUP (FT.)	—
GW. ELEV.(FT. MSL)	—	WELL DIAMETER (INCHES)	2.00

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Sample	Final Sample
pH (STD)	8.4	8.4	8.2	8.2
SPEC. COND.(UMHOS/CM)	2900	2900	3100	3100
TEMPERATURE (C)	8	8	8	8
OTHER (SPECIFY)	—	—	—	—

COMMENTS/CALCULATIONS

WEATHER CONDITIONS windy 10°F

SAMPLE APPEARANCE Clear Sulfide odor

2" DIA. CASING CONTAINS .163 Gal./Ft.

4" DIA. CASING CONTAINS .652 Gal./Ft.

PID - 0.0
LEL - 0
O_2 - 20.8
CO - 0
H_2S - 0

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE [signature] DATE 2/8/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME BAT, 95-976 WM NY GAI PROJECT NO. 953-9103

SAMPLE ID. BAT960201B SOURCE CODES: RIVER OR STREAM, (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/02/01	TIME (24 HR CLOCK)	13:35	ELAPSED HRS.	----
CASING VOL.(Gal.)	--14	GAL. PURGED (Gal.)	12.5	TO DRY	
PURGING DEVICE (SEE BELOW)	C	PURGING DEVICE MATERIAL	PE	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/02/01	TIME (24 HR CLOCK)	13:50	MATRIX	H2O
SAMPLING DEVICE (SEE BELOW	E	DEDICATED (Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	SS.	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	TOR	LAND ELEVATION (FT./MSL)	----
REF. PT. ELEV.(FT. MSL)	----	WELL DEPTH (FT.)	16.00
DEPTH TO WATER (REF. PT.)	9.35	STICKUP (FT.)	----
GW. ELEV.(FT. MSL)	----	WELL DIAMETER (INCHES)	2.00

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Sample	Final Sample
pH (STD)	8.9	8.6	8.5	8.5
SPEC. COND.(UMHOS/CM)	850	1100	1100	1200
TEMPERATURE (C)	2	8	7	7
OTHER (SPECIFY)	----	----	----	----

COMMENTS/CALCULATIONS

WEATHER CONDITIONS ? Cloudy 12°F

SAMPLE APPEARANCE Turbid

2" DIA. CASING CONTAINS .163 Gal./Ft.

4" DIA. CASING CONTAINS .652 Gal./Ft.

PID - 0.0

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE [signature] DATE 2/9/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME BAT, 95-97 Ithaca NY GAI PROJECT NO. 953-9103

SAMPLE ID. BAT960201B141 SOURCE CODES: RIVER OR STREAM, (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/02/01	TIME (24 HR CLOCK)	10:00	ELAPSED HRS.	—
CASING VOL.(Gal.)	1.8	GAL. PURGED (Gal.)	5.4		
PURGING DEVICE (SEE BELOW)	C	PURGING DEVICE MATERIAL	PE	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/02/01	TIME (24 HR CLOCK)	10:10	MATRIX	H2O
SAMPLING DEVICE (SEE BELOW	E	DEDICATED-(Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	S.S.	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)			

(A) AIR-LIFT PUMP (B) BLADDER PUMP (C) PERISTALTIC PUMP (D) SCOOP/SHOVEL (E) BAILER (F) OTHER (SPECIFY)

WELL INFORMATION (IF APPLICABLE)

REFERENCE POINT	TOR	LAND ELEVATION (FT./MSL)	—
REF. PT. ELEV.(FT. MSL)	—	WELL DEPTH (FT.)	25.66
DEPTH TO WATER (REF. PT.)	14.49	STICKUP (FT.)	—
GW. ELEV.(FT. MSL)	—	WELL DIAMETER (INCHES)	2.00

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial Purge	Final Purge	Initial Simple	Final Simple
pH (STD)	8.2	7.5	7.9	7.9
SPEC. COND.(UMHOS/CM)	3000	2700	2500	2600
TEMPERATURE (C)	8	10	8	8
OTHER (SPECIFY)	—	—	—	—

COMMENTS/CALCULATIONS

WEATHER CONDITIONS Sun 10°F

SAMPLE APPEARANCE clear

2" DIA. CASING CONTAINS .163 Gal./Ft.

4" DIA. CASING CONTAINS .652 Gal./Ft.

PID - 0.0

PLEASE INCLUDE SAMPLE BOTTLE SIZE, BOTTLE COLOR, BOTTLE MATERIAL, PRESERVATIVES AND ANALYTICAL METHODS ON LABORATORY CUSTODY FORMS.

SAMPLER SIGNATURE [signature] DATE 2/9/96

APPENDIX B

CHAIN-OF-CUSTODY FORMS

Page 1 of 2

CHAIN OF CUSTODY RECORD

PROJECT NO.	CLIENT NAME	# OF CONTAINERS	SAMPLE SITE	SAMPLER'S SIGNATURE
953-9103.1	Golder Associates, Inc		Bell Aerospace Textron	

SAMPLE NO.	DATE	TIME	ORIGIN/SOURCE	# OF CONTAINERS	DESCRIPTION COMP / GRAB / OTHER	ANALYSES/TESTS REQUESTED
1	1-29-96		BAT960129EW2	3	13731	USEPA method 8240
2			BAT960129EW3	3	13732	
3			BAT960129EW4	3	13733	
4			BAT960129EW5	3	13734	
5			BAT960129303I	3	13735	
6			BAT960129303IMS	3	13736	
7			BAT960129303IMSD	3	13737	
8	↓		BAT960129890518	3	13738	↓
9	1-29-96		BAT960129890518DUP	3	13739	USEPA method 8240

RELINQUISHED BY SIGNATURE / PRINT: Ken Nossang	DATE/TIME: 1556 1/29/96	RECEIVED BY SIGNATURE / PRINT:	DATE/TIME:	RELINQUISHED BY SIGNATURE / PRINT:	DATE/TIME:
RECEIVED BY SIGNATURE / PRINT:	DATE/TIME:	RELINQUISHED BY SIGNATURE / PRINT:	DATE/TIME:	RECEIVED AT LAB BY SIGNATURE: Tracy Cole PRINT: Tracy Cole	DATE/TIME: 1/30/96 11:33

REMARKS

FLI ENVIRONMENTAL SERVICES
446 Broad Street * Waverly, NY 14892-1445
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2 of 2

CHAIN OF CUSTODY RECORD

PROJECT NO.	CLIENT NAME	# OF CONTAINERS	SAMPLE SITE	SAMPLER'S SIGNATURE
953-9103.1	Golder Associates, Inc		Bell Aerospace Textron	

SAMPLE NO.	DATE	TIME	ORIGIN/SOURCE	# OF CONTAINERS	DESCRIPTION COMP	GRAB	OTHER	ANALYSES/TESTS REQUESTED
1	1-29-96		BAT960129 3021	3		13740		USEPA Method 8240
2			BAT960129 8905 1A	3		13741		usepa method 8240
3			BAT960129 8721 1	3		13742		usepa method 8240
~~4~~			BAT960129 FB KEW	3		X		
5			FB960129 8240 ~~BAT960~~ KEW	3		13743		USEPA method 8240
6	12/28/95		95-045-32-4 BAT960129 Trip Blank	3/2		13744		USEPA method 8240
7			BAT960	3		X		
8	V		BAT960 KEW	3		X		
9	1-29-96		BAT960					

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	RELINQUISHED BY	DATE/TIME
SIGNATURE PRINT Ken Vissavage	1/29/96 1556	SIGNATURE PRINT		SIGNATURE PRINT	
RECEIVED BY	**DATE/TIME**	**RELINQUISHED BY**	**DATE/TIME**	**RECEIVED AT LAB BY**	**DATE/TIME**
SIGNATURE PRINT		SIGNATURE PRINT		SIGNATURE Tracy Cole PRINT Tracy Cole	1/30/96 11:33

REMARKS

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CHAIN OF CUSTODY RECORD

PROJECT NO.	CLIENT NAME	SAMPLE SITE	SAMPLER'S SIGNATURE
953-9103.1	GOLDER ASSOCIATES, INC	Bell Aerospace Textron	[signature]

SAMPLE NO.	DATE	TIME	ORIGIN/SOURCE	# OF CONTAINERS	DESCRIPTION COMP	DESCRIPTION GRAB	DESCRIPTION OTHER	ANALYSES/TESTS REQUESTED
1	1-30-96	1400	FB 96013082 40 ~~BAT960~~ KEN	13864		X		USEPA Method 8240
2	↓	1150	BAT96013084021	13865		X		8240
3	↓	1420	BAT96013087201	13866		X		8240
4	↓	1450	BAT96013089031	13867		X		8260
5	↓	1415	BAT96013087200	13868		X		8260
6	↓	1100	BAT96013089061	13869		X		8260
7	↓	1530	BAT96013087191	13870		X		8260
8	↓	1000	FB96013082 60 ~~BAT960~~	13871		X		8260
9	1-30-96	1600	BAT96013089171	13872		X		8260

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	RELINQUISHED BY	DATE/TIME
SIGNATURE [signature] PRINT KEN NUSSMAN(?)	1-30-96 16:36	SIGNATURE PRINT		SIGNATURE PRINT	

RECEIVED BY	DATE/TIME	RELINQUISHED BY	DATE/TIME	RECEIVED AT LAB BY	DATE/TIME
SIGNATURE PRINT		SIGNATURE PRINT		SIGNATURE Debbie McCarty PRINT Debbie McCarty	1/31/96 1:25

REMARKS

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CHAIN OF CUSTODY RECORD

PROJECT NO.	CLIENT NAME	# OF CONTAINERS	SAMPLE SITE	SAMPLER'S SIGNATURE
953-9103.1	Golder Associates, Inc		Bell Aerospace Textron	

SAMPLE NO.	DATE	TIME	ORIGIN/SOURCE	# OF CONTAINERS	DESCRIPTION COMP	GRAB	OTHER	ANALYSES/TESTS REQUESTED
1	1-30-96	13:40	BAT960130890 41	13873		X		USEPA Method 8240
2		13:40	BAT960130890 41 MS	13874		X		8240
3		13:40	BAT960130890 41 MSD	13875		X		8240
4		9:05	BAT960130891 81	13876		X		8260
5		9:05	BAT960130891 81 MS	13877		X		8260
6		9:05	BAT960130891 81 MSD	13878		X		8260
7		10:05	BAT960130890 71B	13879		X		8260
8	↓	10:05	BAT960130890 71B Dup	13880		X		8260
9	12/28 ~~1-30-96~~	N/A	95-045-32-4 BAT960130 TRIP Blank	13881			X	8260

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	RELINQUISHED BY	DATE/TIME
SIGNATURE PRINT Ken Wissing	1-30-96 1630	SIGNATURE PRINT		SIGNATURE PRINT	
RECEIVED BY	**DATE/TIME**	**RELINQUISHED BY**	**DATE/TIME**	**RECEIVED AT LAB, BY**	**DATE/TIME**
SIGNATURE PRINT		SIGNATURE PRINT		SIGNATURE Debbie McCarty PRINT Debbie McCarty	1/31/96 1:25

REMARKS

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Page 1 of 1 CHAIN OF CUSTODY RECORD

PROJECT NO.	CLIENT NAME	# OF CONTAINERS	SAMPLE SITE	SAMPLER'S SIGNATURE
953-9103.1	Golder Associates, Inc		Bell Aerospace Textron	

SAMPLE NO.	DATE	TIME	ORIGIN/SOURCE	# OF CONTAINERS	DESCRIPTION COMP / GRAB / OTHER	ANALYSES/TESTS REQUESTED
1	1-31-96	0850	BAT960131891411	3	14011	USEPA Method 8240
2		0850	BAT960131891411 Dup	3	14012	
3		1525	BAT960131EW7	3	14013	
4		1335	BAT960131891611	3	14014	
5		1015	BAT960131890211	3	14015	
6		1315	BAT960131871211	3	14016	
7		1312	BAT960131EW8	3	14017	
8	↓	1500	BAT960131871811	3	14018	↓
9	1-31-96	1350	BAT960131872211		14019	8240

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	RELINQUISHED BY	DATE/TIME
SIGNATURE PRINT Ken Nosenzo	1-31-96 1625	SIGNATURE PRINT		SIGNATURE PRINT	
RECEIVED BY	**DATE/TIME**	**RELINQUISHED BY**	**DATE/TIME**	**RECEIVED AT LAB BY**	**DATE/TIME**
SIGNATURE PRINT		SIGNATURE PRINT		SIGNATURE Tracy Cole PRINT Tracy Cole	2/1/96 10:51

REMARKS

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Page 2 of 2

CHAIN OF CUSTODY RECORD

PROJECT NO.	CLIENT NAME	# OF CONTAINERS	SAMPLE SITE	SAMPLER'S SIGNATURE
953-9103.1	GOLDER ASSOCIATES, INC		Bell Aerospace Textron	Kenneth Nosstrough

SAMPLE NO.	DATE	TIME	ORIGIN/SOURCE	DESCRIPTION COMP	GRAB	OTHER	ANALYSES/TESTS REQUESTED
1	1-31-96	1340	BAT960131 87220		14020		USEPA Method 8260
2		840	BAT960131 89140		14021		
3		1050	BAT960131 89023		14022		
4		910	BAT960131 87230		14023		
5		1510	BAT960131 87180		14024		
6	12/28/95 ~~1-31-96~~	—	95-045-32-4 BAT960131 TRIP BLANK		14025		8260
7			BAT960	3	X		
8			BAT960	3	X		
9			BAT960				

RELINQUISHED BY SIGNATURE / PRINT	DATE/TIME	RECEIVED BY SIGNATURE / PRINT	DATE/TIME	RELINQUISHED BY SIGNATURE / PRINT	DATE/TIME
Kenneth Nosstrough / Ken Nosstrough	1-31-96 1625				
RECEIVED BY SIGNATURE / PRINT	**DATE/TIME**	**RELINQUISHED BY SIGNATURE / PRINT**	**DATE/TIME**	**RECEIVED AT LAB BY SIGNATURE / PRINT**	**DATE/TIME**
				Tracy Cole / Tracy Cole	2/1/96 11:51

REMARKS

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Page 1 of 2 CHAIN OF CUSTODY RECORD

PROJECT NO.	CLIENT NAME	# OF CONTAINERS	SAMPLE SITE	SAMPLER'S SIGNATURE
953-9103.1	Golder Associates, Inc		Bell Aerospace Textron	

SAMPLE NO.	DATE	TIME	ORIGIN/SOURCE	# OF CONTAINERS	DESCRIPTION COMP	GRAB	OTHER	ANALYSES/TESTS REQUESTED
1	2-1-96	1350	BAT960201B8	14150		X		USEPA Method 8260
2		950	BAT960201B7100	14151		X		8260
3		1105	BAT960201B7023	14152		X		8260
4		920	BAT960201B7010	14153		X		8260
5		910	BAT960201B7011	14154		X		8240
6		1445	BAT960201B7171	14155		X		8240
7		1515	BAT960201B7081	14156		X		8240
8	↓	1050	BAT960201B7021	14157		X		8240
9	2-1-96	1520	BAT960201B9151	14158		X		8240

RELINQUISHED BY SIGNATURE / PRINT	DATE/TIME	RECEIVED BY SIGNATURE / PRINT	DATE/TIME	RELINQUISHED BY SIGNATURE / PRINT	DATE/TIME
Ken Nostrange	2-1-96 1644				
RECEIVED BY SIGNATURE / PRINT	**DATE/TIME**	**RELINQUISHED BY SIGNATURE / PRINT**	**DATE/TIME**	**RECEIVED AT LAB BY SIGNATURE / PRINT**	**DATE/TIME**
				Debbie McCarty / Debbie McCarty	2/2/96 1:22

REMARKS

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Page 2 of 2

CHAIN OF CUSTODY RECORD

CUSTOMER CODE #

PROJECT NO./ NAME	CLIENT NAME	SAMPLE SITE	SAMPLER'S SIGNATURE
953-9103.1	Golder	Bell Aerospace Textron	

SAMPLE NO.	SAMPLING DATE	SAMPLING TIME	ORIGIN/SOURCE	# OF CONTAINERS	DESCRIPTION COMP	DESCRIPTION GRAB	DESCRIPTION OTHER	ANALYSES/TESTS REQUESTED
10	2-1-96	1010	BAT960201B141	2 14159		X		8240
11	2-1-96 12/28	—	95-045-32-4 BAT960201 TripBlank	2 14160			X	8260

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	RELINQUISHED BY	DATE/TIME
SIGNATURE PRINT Ken Messenger	2-1-96 1645	SIGNATURE PRINT		SIGNATURE PRINT	
RECEIVED BY	**DATE/TIME**	**RELINQUISHED BY**	**DATE/TIME**	**RECEIVED AT LAB BY**	**DATE/TIME**
SIGNATURE PRINT		SIGNATURE PRINT		SIGNATURE Debbie McCarty PRINT Debbie McCarty	2/2/96 1:22

REMARKS

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Page 1 of 1

CHAIN OF CUSTODY RECORD

CUSTOMER CODE #

PROJECT NO./ NAME	CLIENT NAME	SAMPLE SITE	SAMPLER'S SIGNATURE
953-9103.1	Golder Associates	Bell Aerospace	

SAMPLE NO.	SAMPLING DATE	SAMPLING TIME	ORIGIN/SOURCE	# OF CONTAINERS	DESCRIPTION COMP	DESCRIPTION GRAB	DESCRIPTION OTHER	ANALYSES/TESTS REQUESTED
1	2-2-96		BAT960202-87153	3		14197		8260
2			BAT960202870411	3		14198		8240
3			BAT960202 8714D	3		14199		8260
4			BAT960202EW6	3		14200		8240
5	12/28/95 ~~2-2-96~~	—	95-045-32-4 BAT960202 Trip Blk	2		14201		8260

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	RELINQUISHED BY	DATE/TIME
SIGNATURE PRINT Ken Nossaugh	2-2-95 1505	SIGNATURE PRINT		SIGNATURE PRINT	
RECEIVED BY	DATE/TIME	RELINQUISHED BY	DATE/TIME	RECEIVED AT LAB BY	DATE/TIME
SIGNATURE PRINT		SIGNATURE PRINT		SIGNATURE Tracy Cole PRINT Tracy Cole	2/5/96 11:28

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Page 1 of 1

CHAIN OF CUSTODY RECORD

CUSTOMER CODE #

PROJECT NO./ NAME	CLIENT NAME	SAMPLE SITE	SAMPLER'S SIGNATURE
953-9103.1	~~FB~~ Golder Associates	Bell Aerospace Textron	Kenneth Nossavage

SAMPLE NO.	SAMPLING DATE	SAMPLING TIME	ORIGIN/SOURCE	# OF CONTAINERS	DESCRIPTION COMP	DESCRIPTION GRAB	DESCRIPTION OTHER	ANALYSES/TESTS REQUESTED
1	2-5-96		BAT960205DW9	14297		X		USEPA Method 8240
2	↓		BAT960205DW10	14298		X		8240
3			BAT960205DW11	14299		X		8240
4			BAT960205DW12	14300		X		8240
5	~~2-5-96~~ 12/28		BAT960205TRIP BLANK 95-045-32-4	14301			X	8240

RELINQUISHED BY SIGNATURE / PRINT	DATE/TIME	RECEIVED BY SIGNATURE / PRINT	DATE/TIME	RELINQUISHED BY SIGNATURE / PRINT	DATE/TIME
Kenneth Nossavage / Ken Nossavage	2/5/96 1640				
RECEIVED BY SIGNATURE / PRINT	DATE/TIME	RELINQUISHED BY SIGNATURE / PRINT	DATE/TIME	RECEIVED AT LAB BY SIGNATURE / PRINT	DATE/TIME
				Debbie McCarty / Debbie McCarty	2/6/96 10:55

REMARKS

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ONE RESEARCH CIRCLE • WAVERLY, NEW YORK 14892
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