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Golder Associates

Golder Associates Inc.

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REPORT ON

OCTOBER 1996 QUARTERLY, SEMI-ANNUAL AND ANNUAL GROUND WATER MONITORING EVENT AND SUMMARY OF OFF-SITE AND ON-SITE GROUND WATER EXTRACTION SYSTEM OPERATION BELL AEROSPACE TEXTRON WHEATFIELD, NEW YORK

VOLUME 1 OF 2

Submitted to:

Textron Inc.
40 Westminster Street
Providence, Rhode Island 02903

DISTRIBUTION:

8 Copies - Mr. Robert C. Brayley; Textron Inc.; Providence, Rhode Island
1 Copy - Golder Associates Inc.; Buffalo, New York

January 1997

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January 14, 1997

953-9103

Textron Inc.
40 Westminster Street
Providence, Rhode Island 02903

Attention: Mr. Robert C. Brayley

RE: REPORT ON OCTOBER 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 October 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. facility (formerly Bell Aerospace Textron) located in Wheatfield, New York, during October 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 September 1996 through November 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 Excel® format.

Golder Associates appreciates the opportunity to provide continuing professional engineering services to Textron. 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

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1. INTRODUCTION

1.1 Background

This report provides the results of the October 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 of 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 September 1996 through November 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. 9-2940-00001/00079-0). The summary of system operations for both of the Off-Site and On-Site System is for the period from September 1, 1996 through November 30, 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 October 1996 quarterly, semi-annual and annual ground water monitoring event (October 1996 Monitoring Event) was performed on October 15, 1996 through October 18, 1996 for the 41 monitoring wells and 11 extraction wells listed in Table 1 and shown on Figure 1. Monitoring wells 89-02(1) and 89-02(3), however, were resampled on November 11, 1996, due to a laboratory error during the analysis of the original samples. 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 on October 14, 1996, for both on-site and off-site monitoring wells and the extraction wells. Ground water elevations were measured at each monitoring well 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. A summary of the water level measurements obtained during the October 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 October 1996 Monitoring Event consisted of sampling 38 of 41 monitoring wells as listed in Table 1 and whose locations are referenced on Figure 1. Monitoring wells SW-89-1, 87-18(0), and 87-22(0) were dry during this sampling event, and therefore, could not be sampled.

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 October 16, 1996 and October 18,1996. 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 sample 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 October 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 four) and were analyzed for either Method 8240 or Method 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)-BAT89171961015DUP (monitoring well 89-17(1)) for Method 8260 VOCs; ID-BAT9402196015DUP (monitoring well 94-02(1)) and ID-BAT87211961015DUP (monitoring well 87-21(1)), for Method 8240 VOCs. Matrix spike and matrix spike duplicate (MS/MSD) samples were collected from three wells. Monitoring well 89-16 (1) had MS/MSD samples analyzed for Method 8260 VOCs and monitoring wells 89-04 (1) and 87-22 (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 October 1996 Monitoring Event. QA/QC criteria associated with the October 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 were normal as no unscheduled maintenance activities were performed. During the Quarter, the average pumping rate for well EW-2 was approximately 25 gallons per minute (gpm); the average pumping rate for EW-3 was approximately 12.5 gpm; the average pumping rate for well EW-4 was approximately 9.5 gpm; and average pumping rate for well EW-5 was approximately 10.0 gpm. The total system flow averaged approximately 83,100 gallons per day (gpd) during the Quarter.

4.1.2 On-Site System

On-Site System operations during this Quarter consisted of general maintenance, and two unscheduled maintenance/repair events. The On-Site System was temporary shut-down in October 1996 for 51 hours for a scheduled quarterly maintenance event. Quarterly maintenance consisted of an inspection of the thermal oxidizer, and an inspection and cleaning of the air strippers, tanks, and the scrubber to the thermal oxidizer.

On September 1 through September 4, 1996, a mechanical breakdown occurred in the scrubber packing of the thermal oxidizer. The scrubber packing was replaced during this period. The On-site System was off-line for a total of 126 hours. In addition, a mechanical breakdown of the scrubber recirculation pump and scrubber level control occurred in November 1996. The scrubber recirculation pump was replaced and the scrubber level control was repaired. The system was only off-line for a total of 10 hours during this event.

During the Quarter, Textron completed the second phase of the ancillary measures for the On-Site System. In November 1996, installation of hydraulic barriers ("clay stops") was completed in the backfill of the sanitary sewer trench along Walmore Road adjacent to the TRO facility. In July 1996, Textron completed the first phase of the ancillary measures which consisted of drainage improvements TRO facility (area leased by Atlantic Research Corp.). These ancillary measures were designed to minimize induced ground water infiltration to the On-Site System while increasing the effectiveness of system. Textron will further evaluate the effectiveness of these ancillary measures during future monitoring events.

During this Quarter the average treatment flow rate was approximately 40 gpm (58,000 gpd). The average pumping rate for wells EW-7 and EW-8, and DW-9 through DW-12, ranged from approximately 2.2 to 8.0 gpm.

4.2 Discharge Monitoring

Off-Site System

As required by BAT'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 BAT was in compliance with the NCSD permit during this Quarter.

On-Site System

As required by BAT'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 BAT 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

Fifteen ground water monitoring events have been performed since the start-up of the Off-Site System, and the last eleven events have been completed under the combined off-site and on-site effectiveness monitoring program. During this Quarter, 38 of 41 monitoring wells and eleven On-Site and Off-Site extraction wells were sampled (three monitoring wells were dry) during this event. The samples were analyzed for either USEPA Method 8240 VOCs or 8260 VOCs.

The analytical results of this Quarter of sampling were compared to historical sampling data. Review of the results indicate that, in general, contaminant concentrations detected in samples from both on-site and off-site Zone 1 monitoring wells are gradually declining, as anticipated. In addition, a reduction in contamination concentrations has also been noted in samples from the on-site overburden wells while the analytical results from samples obtained from Zone 3 wells are comparable to the historical sampling events analytical results. The following specific details have been observed:

- Contaminant concentrations in extraction well EW-6, which has been placed off-line, continues to decrease when compared to historical contaminant concentrations at this location. This is an indication that operation of the Off-Site System is successfully reducing the extent of the contaminant plume in Zone 1. Figure 2 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 October 1996 monitoring event;

- VOCs have been detected in samples obtained from well 89-04(1), located east of the TRO facility, during the last two sampling events. As shown on Figure 2, the approximate extent of the dissolved phase plume in Zone 1 is shown just east of this well. The extent of the dissolved phase plume was previously thought to be west of the well based on the analytical results from the January 1996 sampling event, which indicated no detection of VOCs;

- Low level detections of contaminants in samples collected from wells 89-07(1A); 89-07(1B); 89-16(1); and 89-17(1) (including duplicate sample of 89-17(1)) are believed to be anomalous. As shown in Table 4, either carbon disulfide and/or chloromethane were detected at low concentration levels of 1 part per billion (ppb) or less, in samples from these wells. These wells are located hydraulically upgradient from the Off-Site System and historically have been free of VOCs. Carbon disulfide is a common laboratory contaminant and the laboratory reported that chloromethane was detected in quality control laboratory samples. Thus, the low level detections in these wells is considered suspect and likely an artifact of the analytical laboratory; and

- A detection of methyl ethyl ketone at 11 ppb from a sample collected from well 89-02(3) is also suspect and likely an artifact of the analytical laboratory. Methyl ethyl ketone, a common laboratory contaminant, was also reported by the laboratory to be present in quality control laboratory samples. A review of historical sampling results for well 89-02(3) indicate VOCs have not been detected in samples collected from this well with the exception of carbon disulfide.

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 October 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 in the developed cone-of-depression. The flow direction is towards the four 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 capture zone 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 October 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 entire 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 on-site extraction wells EW-7 and EW-8 or by the capture zone created by the Off-Site System.

A review of Figure 3 shows that a significant capture zone has developed along the southern boundary of the TRO facility, along Niagara Falls Boulevard, between EW-7 and EW-8. A review of the hydraulic data from piezometers 96-01(1) and 96-02(1) indicate that only a small portion of the ground water that flows between EW-7 and EW-8 is not being captured by these two extraction wells. The extent of the capture zone along the southern boundary of the TRO facility will be re-evaluated once the On-Site System has achieved equilibrium due to the installation of the ancillary measures completed in November 1996.

Data from the October 1996 hydraulic monitoring event (presented in Table 2) indicates that the desired downward gradient between the overburden and Zone 1 is present in 11 of 14 relevant well pairs measured. Of the remaining three well pairs, 87-18, 87-21, and 87-22, the overburden well was dry so no measurement was possible.

Table 2 data also indicate that an upward gradient between Zone 3 and Zone 1 is present in all seven of the relevant well pairs measured. Table 5 presents a summary of vertical hydraulic gradients between Zones 1 and 3 based on the October 1996 hydraulic monitoring data. The data indicate that upward gradients range from 0.28 to 0.85 ft/ft, with all but one well pair (87-15) nearly equaling or exceeding an upward gradient 0.5 ft/ft, the desired upward gradient over the DNAPL plume. 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 July 1996 through mid-December 1996. The plot shows that an upward gradient from Zone 3 to Zone 1 has been continuously maintained in these wells with brief exceptions due to heavy rainfall events and/or due to the temporary shut-down of the On-Site System for system repair or scheduled routine maintenance.

4.4 Routine Operations and Maintenance

During the October 1996 sampling event, Golder Associates performed a standard general operations and maintenance (O&M) check of each well sampled. All monitoring and extraction wells sampled appeared to be functional and in good working condition, and therefore no maintenance is proposed. The O&M checklist for the October 1996 sampling event is presented on the Sample Collection Information Forms found in Appendix A.

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 on October 14, 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 October 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 October 1996 monitoring event indicate, in general, a slight decrease in contaminant concentrations from samples collected from both on-site and off-site Zone 1 monitoring wells. In addition, a reduction in contamination concentrations has also been noted in samples from the on-site overburden wells while the analytical results from samples obtained from Zone 3 wells are comparable to the historical sampling events.

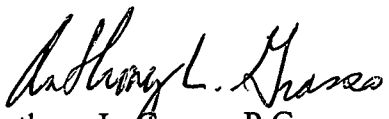
5.3 Off-Site and On-Site System Performance

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 entire DNAPL plume and a significant ground water capture zone was observed along the downgradient boundary of the TRO facility during this Quarter's monitoring event. The On-Site System has also been effective in enhancing an upward hydraulic gradient between Zone 3 and Zone 1 over the DNAPL plume and effective in enhancing an downward hydraulic

gradient between the overburden and Zone 1. With the completion of the drainage improvements in the ARC area in July 1996 and hydraulic barriers in the Walmore Road sewer in November 1996, TRO will further evaluate the effectiveness of these ancillary measures on the performance of the On-Site System.

GOLDER ASSOCIATES INC.



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Project Director/Associate

ALG:dml

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REFERENCES

Golder Associates Inc., February 1993, "Ground Water Monitoring Plan, Bell Aerospace Textron, Wheatfield, New York, February 1993 Revision".

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 1996-1997
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	**1**	**0**	**5**	**10**	
TOTAL ZONE 1 SAMPLES PER YEAR	**4**	**0**	**10**	**10**	
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	**1**	**0**	**0**	**4**	
TOTAL EXTRACTION WELL SAMPLES PER YEAR	**1**	**0**	**0**	**4**	
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 1996-1997
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 1996-1997
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	4	13	10	25	
GRAND TOTAL SAMPLES PER YEAR	16	52	20	25	

(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 next year (1996-1997) of On-Site System operations and then annually thereafter.
For Zone 3 wells - Quarterly sampling to be conducted for the first two years of On-Site System operations and then annually thereafter.

(C) Semi-annual sampling to be conducted each April and October for a period of two years of On-Site System operations and then annual sampling thereafter.

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

TABLE 2
SUMMARY OF HYDRAULIC MONITORING DATA
DECEMBER 1996 QUARTERLY, SEMI-ANNUAL AND ANNUAL MONITORING EVENT
TEXTRON REALTY OPERATIONS
WHEATFIELD, NEW YORK
(Measurements Recorded October 14, 1996)

WELL NAME	TOP OF RISER ELEVATION (FT. MSL)	WATER LEVEL (FT. BTOR)	WATER LEVEL ELEVATION (FT. MSL)
87-01(0)	588.10	15.15	572.95
87-01(1)	587.99	18.62	569.37
87-02(1)	589.21	17.54	571.67
87-02(3)	588.63	13.64	574.99
87-04(0)	589.32	11.85	577.47
87-04(1)	589.08	16.65	572.43
87-04(3)	589.49	13.34	576.15
87-05(1)	589.37	18.12	571.25
87-05(3)	589.46	13.10	576.36
87-06(1)	588.27	16.12	572.15
87-08(1)	589.48	16.81	572.67
87-10(0)	587.30	14.85	572.45
87-10(1)	587.52	18.85	568.67
87-12(1)	583.84	18.50	565.34
87-13(0)	589.77	9.12	580.65
87-13(1)	590.06	17.18	572.88
87-13(3)	589.91	13.60	576.31
87-14(0)	589.56	11.28	578.28
87-14(1)	589.06	16.93	572.13
87-14(3)	590.35	13.78	576.57
87-15(0)	590.70	13.32	577.38
87-15(1)	590.27	15.58	574.69
87-15(3)	589.87	13.20	576.67
87-16(3B)	590.51	13.92	576.59
87-17(0)	589.50	12.10	577.40
87-17(1)	589.62	13.27	576.35
87-18(0)	585.95	DRY	DRY
87-18(1)	586.02	21.70	564.32
87-19(0)	581.57	9.11	572.46
87-19(1)	581.47	15.37	566.10
87-20(0)	578.77	7.55	571.22
87-20(1)	579.01	13.65	565.36
87-21(0)	577.23	DRY	DRY
87-21(1)	577.33	12.09	565.24
87-22(0)	583.80	DRY	DRY
87-22(1)	583.97	16.28	567.69
87-23(0)	587.27	7.75	579.52
87-23(1)	587.13	16.74	570.39
89-02(1)	584.63	16.82	567.81
89-02(3)	584.80	11.02	573.78
89-03(1)	581.30	16.10	565.20
89-04(1)	577.92	8.80	569.12

TABLE 2
SUMMARY OF HYDRAULIC MONITORING DATA
DECEMBER 1996 QUARTERLY, SEMI-ANNUAL AND ANNUAL MONITORING EVENT
TEXTRON REALTY OPERATIONS
WHEATFIELD, NEW YORK
(Measurements Recorded October 14, 1996)

WELL NAME	TOP OF RISER ELEVATION (FT. MSL)	WATER LEVEL (FT. BTOR)	WATER LEVEL ELEVATION (FT. MSL)
89-05(1A)	577.56	16.99	560.57
89-05(1B)	577.77	12.96	564.81
89-06(1)	575.93	11.10	564.83
89-07(1A)	577.66	13.10	564.56
89-07(1B)	577.48	12.61	564.87
89-12(1)	586.60	18.33	568.27
89-13(0)	588.18	13.10	575.08
89-14(0)	587.45	10.30	577.15
89-14(1)	587.59	15.56	572.03
89-15(1)	588.76	19.21	569.55
89-16(1)	576.76	7.93	568.83
89-17(1)	577.59	8.46	569.13
89-18(1)	576.75	14.50	562.25
93-02(1)	579.05	19.88	559.17
93-03(1)	572.30	13.81	558.49
94-02(1)	574.30	9.66	564.64
96-01(1)	585.18	19.05	566.13
96-02(1)	584.82	19.16	565.66
B-8(0)	590.26	11.16	579.10
B-12(0)	589.48	13.36	576.12
B-13(1)	588.41	15.78	572.63
B-14(1)	589.54	17.02	572.52
89-SW(1)	581.18	DRY	DRY
89-SW(2)	577.54	12.34	565.20
EW-2	568.15	8.49	559.66
EW-3	569.56	N/A	556.10
EW-4	570.07	N/A	557.90
EW-5	569.47	N/A	554.30
EW-6	568.17	7.66	562.40
EW-7	578.09	N/A	562.60
EW-8	575.73	N/A	557.81
DW-9	581.23	N/A	567.70
DW-10	581.06	N/A	571.80
DW-11	580.13	N/A	570.90
DW-12	577.59	N/A	568.20

NOTES:

BTOR = Below top of riser.
N/A = Not applicable, measurement taken from electronic readout in vault.
MSL = Mean sea level.

TABLE 3
SUMMARY OF FIELD SAMPLING MEASUREMENTS AND OBSERVATIONS
OCTOBER 1996 QUARTERLY, SEMI-ANNUAL AND 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	
BAT87010961017	87-01(0)	10/17/96	15.15	0.7	7.7	7.7	1100	1000	17.0	18.0	(1)	(1)	BROWN, SULFIDE SMELL
BAT87011961017	87-01(1)	10/17/96	18.62	7.0	8.1	7.6	900	1000	16.0	15.0	(1)	(1)	CLEAR, SULFIDE SMELL
BAT87021961017	87-02(1)	10/17/96	17.54	7.8	8.4	8.3	500	500	15.0	15.0	(1)	(1)	CLEAR, SULFIDE SMELL
BAT87023961017	87-02(3)	10/17/96	13.64	21.5	7.9	7.4	1500	1500	16.0	13.0	(1)	(1)	GRAY, SULFIDE SMELL
BAT87041961016	87-04(1)	10/16/96	16.65	7.6	8.0	8.0	600	600	16.0	16.0	(1)	(1)	SLIGHT TURBID, BIOLOGICAL MATTER, LT. GRAY
BAT87081961016	87-08(1)	10/16/96	16.81	7.6	7.8	7.4	1000	1100	15.0	15.0	(1)	(1)	CLEAR, SULFIDE SMELL
BAT87100961016	87-10(0)	10/16/96	14.85	1.6	7.9	7.7	900	500	22.0	22.0	(1)	(1)	BROWN, SULFIDE SMELL
BAT87121961017	87-12(1)	10/17/96	18.50	7.0	8.0	7.9	800	900	17.0	17.0	(1)	(1)	CLEAR, SULFIDE ODOR
BAT87133961018	87-13(3)	10/18/96	9.12	23.4	7.9	7.4	1500	1600	17.0	15.0	(1)	(1)	CLEAR, SLIGHT SULFIDE ODOR
BAT87140961018	87-14(0)	10/18/96	11.28	2.4	8.6	8.2	1000	900	14.0	14.0	(1)	(1)	GRAY, SULFIDE SMELL
BAT87171961016	87-17(1)	10/16/96	13.27	9.0	7.7	7.4	1100	1100	14.0	15.0	(1)	(1)	CLEAR, SULFIDE SMELL
BAT87180961017	87-18(0)	10/17/96	DRY	**	**	**	**	**	**	**	(1)	(1)	DRY
BAT87181961017	87-18(1)	10/17/96	21.70	5.3	7.9	7.5	1000	1000	16.0	15.0	(1)	(1)	CLEAR, SULFIDE SMELL
BAT87191961015	87-19(1)	10/15/96	15.37	8.9	8.2	8.0	900	800	12.0	11.0	(1)	(1)	CLEAR, SULFIDE SMELL
BAT87200961017	87-20(0)	10/17/96	7.55	1.2	8.1	7.7	1100	1000	16.0	16.0	(1)	(1)	CLEAR, SULFIDE SMELL
BAT87201961017	87-20(1)	10/17/96	13.65	8.4	7.7	7.7	1100	1000	14.0	14.0	(1)	(1)	CLEAR, SULFIDE SMELL
BAT87211961015	87-21(1)	10/15/96	12.09	10.4	8.3	8.2	500	700	15.0	14.0	(1)	(1)	CLEAR, SULFIDE SMELL
BAT87220961017	87-22(0)	10/17/96	DRY	**	**	**	**	**	**	**	(1)	(1)	DRY
BAT87221961015	87-22(1)	10/15/96	16.98	7.4	8.0	8.2	1200	1000	10.5	10.0	(1)	(1)	CLEAR, SULFIDE SMELL
BAT87230961016	87-23(0)	10/16/96	7.75	4.4	7.9	8.1	800	800	15.0	14.0	(1)	(1)	BROWN-GRAY, SULFIDE SMELL, DRY @ 3.0 GAL.
BAT89021961105	89-02(1)	11/05/96	16.82	8.4	8.7	7.7	2000	2600	12.0	11.0	(3)	(1)	CLEAR, SULFIDE ODOR (RESAMPLED-LAB ERROR)
BAT89023961105	89-02(3)	11/05/96	11.02	22.7	7.3	7.4	4700	4500	12.0	11.0	(1)	(1)	CLEAR, STRONG SULFIDE ODOR
BAT89031961015	89-03(1)	10/15/96	16.10	9.4	7.9	7.6	700	900	13.0	12.0	(1)	(1)	CLEAR, SULFIDE SMELL
BAT89041961015	89-04(1)	10/15/96	8.80	10.0	8.0	7.0	1200	1100	15.0	11.0	(1)	(1)	CLEAR, SULFIDE SMELL
BAT89051A961017	89-05(1A)	10/17/96	16.99	12.2	7.8	7.4	1100	1100	16.0	12.0	(3)	(1)	CLEAR, SULFIDE SMELL
BAT89051B961017	89-05(1B)	10/17/96	12.96	7.5	7.8	7.7	700	600	16.0	15.0	(1)	(1)	CLEAR, BLACK PARTICULATE, SULFIDE SMELL
BAT89061961015	89-06(1)	10/15/96	11.10	19.5	7.8	7.7	800	1100	11.0	10.0	(1)	(1)	CLEAR, SULFIDE ODOR
BAT89071A961017	89-07(1A)	10/17/96	13.10	18.7	7.9	7.4	900	1100	12.0	11.0	(1)	(1)	CLEAR, SULFIDE SMELL
BAT89071B961017	89-07(1B)	10/17/96	12.61	14.4	7.4	7.8	1000	1000	11.0	10.0	(3)	(1)	CLEAR, SULFIDE SMELL
BAT89140961017	89-14(0)	10/17/96	10.30	0.7	7.7	7.9	1200	1200	17.0	16.0	(1)	(1)	CLEAR-CHOC. BROWN, SULFIDE SMELL

TABLE 3
SUMMARY OF FIELD SAMPLING MEASUREMENTS AND OBSERVATIONS
OCTOBER 1996 QUARTERLY, SEMI-ANNUAL AND 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	
BAT89141961017	89-14(1)	10/17/96	15.56	7.5	7.7	7.7	900	900	14.0	15.0	(1)	(1)	CLEAR, SULFIDE SMELL
BAT89151961017	89-15(1)	10/17/96	19.21	7.3	7.8	7.7	1000	1000	18.0	14.0	(3)	(1)	CLEAR WITH PARTICULATE, SULFIDE SMELL
BAT89161961015	89-16(1)	10/15/96	7.93	12.0	7.4	7.5	700	1200	12.0	15.0	(1)	(1)	CLEAR
BAT89171961015	89-17(1)	10/15/96	8.46	14.0	7..5	7.7	1600	1200	12.0	11.0	(1)	(1)	BLACK/GRAY
BAT89181961015	89-18(1)	10/15/96	14.50	12.5	7.7	7.5	1100	1000	10.0	9.0	(1)	(1)	CLEAR SULFIDE SMELL
BAT93021961016	93-02(1)	10/16/96	19.88	8.5	8.0	7.9	700	700	12.0	12.0	(1)	(1)	CLEAR, SULFIDE SMELL
BAT93031961016	93-03(1)	10/16/96	13.81	16.0	8.7	7.7	1600	1000	10.0	12.0	(3)	(1)	CLEAR, SULFIDE SMELL
BAT94021961015	94-02(1)	10/15/96	9.66	16.2	7.7	7.4	1500	1100	11.0	10.0	(1)	(1)	CLEAR, SULFIDE SMELL
BATEW2961016	EW-2	10/16/96	N/A	1.0	8.1	8.1	800	800	13.0	13.0	(2)	(2)	CLEAR, SULFIDE SMELL
BATEW3961016	EW-3	10/16/96	N/A	1.0	7.9	7.9	900	900	14.0	14.0	(2)	(2)	CLEAR, SULFIDE SMELL
BATEW4961016	EW-4	10/16/96	N/A	1.0	7.5	7.5	800	800	16.0	16.0	(2)	(2)	CLEAR, SULFIDE SMELL
BATEW5961016	EW-5	10/16/96	N/A	1.0	7.7	7.7	1100	1100	14.0	14.0	(2)	(2)	CLEAR, SULFIDE SMELL
BATEW6961016	EW-6	10/16/96	N/A	150.0	8.2	8.2	700	700	12.0	12.0	(2)	(2)	CLEAR, SULFIDE SMELL
BATEW7961018	EW-7	10/18/96	N/A	1.0	8.0	7.8	900	900	15.0	16.0	(2)	(2)	CLEAR, SULFIDE SMELL
BATEW8961018	EW-8	10/18/96	N/A	1.0	7.9	7.7	900	900	17.0	16.0	(2)	(2)	CLEAR, SULFIDE SMELL
BATDW9961018	DW-9	10/18/96	N/A	1.0	8.0	7.7	1100	1000	13.0	13.0	(2)	(2)	CLEAR, SULFIDE SMELL
BATDW10961018	DW-10	10/18/96	N/A	1.0	8.1	7.9	700	700	15.0	15.0	(2)	(2)	CLEAR, STRONG SULFIDE ODOR
BATDW11961018	DW-11	10/18/96	N/A	1.0	8.3	8.0	900	800	15.0	15.0	(2)	(2)	CLEAR, SULFIDE SMELL
BATDW12961018	DW-12	10/18/96	N/A	1.0	8.6	8.6	900	900	16.0	16.0	(2)	(2)	CLEAR, SULFIDE SMELL
BATB80961016	B-8(0)	10/16/96	11.16	3.4	8.0	8.2	700	600	18.0	14.0	(3)	(1)	HIGHLY TURBID GRAY, SULFIDE SMELL
BATB141961016	B-14(1)	10/16/96	17.02	3.0	7.7	7.4	1100	1100	18.0	14.0	(3)	(1)	CLEAR, SULFIDE SMELL
BATSW891961017	SW-89(1)	10/17/96	DRY	**	**	**	**	**	**	**	**	**	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)
OCTOBER 1996 QUARTERLY, SEMI-ANNUAL AND 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.	BAT87011961017	BAT87021961017	BAT87023961017	BAT87041961016	BAT87081961016	BAT87100961016	BAT87121961017
SAMPLE DATE	10/17/96	10/17/96	10/17/96	10/16/96	10/16/96	10/16/96	10/17/96
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
ANALYTICAL METHOD	8240	8240	8260	8240	8240	8260	8240
PARAMETER							
CHLOROMETHANE	-	-	-	-	-	-	-
VINYL CHLORIDE	150	-	-	-	-	-	-
1 1-DICHLOROETHENE	-	-	-	-	-	-	-
CARBON DISULFIDE	-	-	3	-	-	0.7	-
METHYLENE CHLORIDE	-	-	-	320	3400	-	-
TRANS-1 2-DICHLOROETHENE	-	-	-	-	-	-	-
1 1-DICHLOROETHANE	-	-	-	-	-	2	-
CIS-1 2-DICHLOROETHENE	920	350	-	270	1300	54	3400
METHYL ETHYL KETONE	-	-	-	-	-	-	-
CHLOROFORM	-	-	-	-	-	5	-
1 1 1-TRICHLOROETHANE	58	-	-	37	-	8	-
CARBON TETRACHLORIDE	-	-	-	-	-	-	-
BENZENE	-	-	-	-	-	-	-
TRICHLOROETHENE	-	220	-	39	550	2	3200
TOLUENE	-	-	-	-	-	-	-
1 1 2-TRICHLOROETHANE	-	-	-	-	-	-	-
ETHYLBENZENE	-	-	-	-	-	-	-
P-XYLENE/M-XYLENE	-	-	-	-	-	-	-
O-XYLENE	-	-	-	-	-	-	-

NOTES:
- = Compound not detected at the Practical Quantitation Limit; refer to Appendix C for Practical Quantitation Limits.
* = Duplicate sample.
** = Detection suspect due to compound being detected in quality control laboratory samples.

TABLE 4
SUMMARY OF GROUND WATER ANALYTICAL DATA
(DETECTED COMPOUNDS ONLY)
OCTOBER 1996 QUARTERLY, SEMI-ANNUAL AND 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(0)	87-20(1)
SAMPLE I.D.	BAT87133961018	BAT87140961018	BAT87171961016	BAT87181961017	BAT87191961015	BAT87200961017	BAT87201961017
SAMPLE DATE	10/18/96	10/18/96	10/16/96	10/17/96	10/15/96	10/17/96	10/17/96
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
ANALYTICAL METHOD	8260	8260	8240	8240	8260	8260	8240
PARAMETER							
CHLOROMETHANE	-	-	-	-	-	-	-
VINYL CHLORIDE	9	4	59	310	-	-	-
1 1-DICHLOROETHENE	0.6	36	-	-	-	-	-
CARBON DISULFIDE	124	96	-	-	-	-	-
METHYLENE CHLORIDE	1	-	-	-	-	-	-
TRANS-1 2-DICHLOROETHENE	0.6	64	-	-	-	-	-
1 1-DICHLOROETHANE	-	2	-	-	-	-	-
CIS-1 2-DICHLOROETHENE	71	7150	450	2000	7	-	11000
METHYL ETHYL KETONE	-	-	-	-	-	-	13000
CHLOROFORM	0.5	160	-	-	-	-	-
1 1 1-TRICHLOROETHANE	-	1	61	-	-	-	-
CARBON TETRACHLORIDE	-	2	-	-	-	-	-
BENZENE	-	12	-	-	-	-	-
TRICHLOROETHENE	190	13200	-	-	3	0.6	6000
TOLUENE	-	2	-	-	-	-	-
1 1 2-TRICHLOROETHANE	-	2	-	-	-	-	-
ETHYLBENZENE	-	0.6	-	-	-	-	-
P-XYLENE/M-XYLENE	-	1	-	-	-	-	-
O-XYLENE	-	0.9	-	-	-	-	-

NOTES:
- = Compound not detected at the Practical Quantitation Limit; refer to Appendix C for Practical Quantitation Limits.
* = Duplicate sample.
** = Detection suspect due to compound being detected in quality control laboratory samples.

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

SAMPLE LOCATION	87-21(1)	87-21(1)*	87-22(1)	89-02(1)	89-02(3)	89-03(1)	89-04(1)
SAMPLE I.D.	BAT87211961015	BAT87211961015DUP	BAT87221961015	BAT89021961105	BAT89023961105	BAT89031961015	BAT89041961016
SAMPLE DATE	10/15/96	10/15/96	10/15/96	11/05/96	11/05/96	10/15/96	10/15/96
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
ANALYTICAL METHOD	8240	8240	8240	8260	8260	8260	8240
PARAMETER							
CHLOROMETHANE	-	-	-	-	-	-	-
VINYL CHLORIDE	-	5	-	-	-	-	-
1 1-DICHLOROETHENE	-	-	-	-	-	-	-
CARBON DISULFIDE	-	-	-	-	-	-	150
METHYLENE CHLORIDE	-	-	-	-	-	-	-
TRANS-1 2-DICHLOROETHENE	-	-	-	-	-	-	-
1 1-DICHLOROETHANE	-	-	-	-	-	-	-
CIS-1 2-DICHLOROETHENE	340	320	3000	6910	-	39	22
METHYL ETHYL KETONE	-	-	-	-	11 **	-	-
CHLOROFORM	-	-	-	-	-	-	-
1 1 1-TRICHLOROETHANE	6	7	-	-	-	-	-
CARBON TETRACHLORIDE	-	-	-	-	-	-	-
BENZENE	-	-	-	-	-	-	-
TRICHLOROETHENE	53	57	440	5030	-	-	6
TOLUENE	-	-	-	-	-	-	-
1 1 2-TRICHLOROETHANE	-	-	-	-	-	-	-
ETHYLBENZENE	-	-	-	-	-	-	-
P-XYLENE/M-XYLENE	-	-	-	-	-	-	-
O-XYLENE	-	-	-	-	-	-	-

NOTES:
- = Compound not detected at the Practical Quantitation Limit; refer to Appendix C for Practical Quantitation Limits.
* = Duplicate sample.
** = Detection suspect due to compound being detected in quality control laboratory samples.

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

SAMPLE LOCATION	89-05(1A)	89-05(1B)	89-07(1A)	89-07(1B)	89-14(1)	89-15(1)	89-16(1)
SAMPLE I.D.	BAT89051A961017	BAT89051B961017	BAT89071A961017	BAT89071B961017	BAT89141961017	BAT89151961017	BAT89161961015
SAMPLE DATE	10/17/96	10/17/96	10/17/96	10/17/96	10/17/96	10/17/96	10/15/96
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
ANALYTICAL METHOD	8240	8240	8260	8260	8240	8240	8260
PARAMETER							
CHLOROMETHANE	-	-	0.6 **	0.6 **	-	-	-
VINYL CHLORIDE	32	9	-	-	-	-	-
1 1-DICHLOROETHENE	-	-	-	-	-	-	-
CARBON DISULFIDE	-	-	0.8 **	0.8 **	-	-	1 **
METHYLENE CHLORIDE	-	-	-	-	-	20000	-
TRANS-1 2-DICHLOROETHENE	-	-	-	-	-	-	-
1 1-DICHLOROETHANE	-	-	-	-	-	-	-
CIS-1 2-DICHLOROETHENE	320	32	-	-	490	2000	-
METHYL ETHYL KETONE	-	-	-	-	-	-	-
CHLOROFORM	-	-	-	-	-	-	-
1 1 1-TRICHLOROETHANE	-	-	-	-	26	-	-
CARBON TETRACHLORIDE	-	-	-	-	-	-	-
BENZENE	-	-	-	-	-	-	-
TRICHLOROETHENE	-	-	-	-	-	21000	-
TOLUENE	-	-	-	-	-	-	-
1 1 2-TRICHLOROETHANE	-	-	-	-	-	-	-
ETHYLBENZENE	-	-	-	-	-	-	-
P-XYLENE/M-XYLENE	-	-	-	-	-	-	-
O-XYLENE	-	-	-	-	-	-	-

NOTES:
- = Compound not detected at the Practical Quantitation Limit; refer to Appendix C for Practical Quantitation Limits.
* = Duplicate sample.
** = Detection suspect due to compound being detected in quality control laboratory samples.

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

SAMPLE LOCATION	89-17(1)	89-17(1)*	93-02(1)	B-14(1)	DW-9	DW-10	DW-11
SAMPLE I.D.	BAT89171961015	BAT89171961015DUP	BAT93021961016	BATB141961016	BATDW9961018	BATDW10961018	BATDW11961018
SAMPLE DATE	10/16/96	10/15/96	10/16/96	10/16/96	10/18/96	10/18/96	10/18/96
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
ANALYTICAL METHOD	8260	8260	8240	8240	8240	8240	8240
PARAMETER							
CHLOROMETHANE	-	-	-	-	-	-	-
VINYL CHLORIDE	-	-	90	120	140	-	-
1 1-DICHLOROETHENE	-	-	-	-	-	-	-
CARBON DISULFIDE	0.6 **	0.9 **	-	-	-	-	-
METHYLENE CHLORIDE	-	-	-	-	2500	14000	2700
TRANS-1 2-DICHLOROETHENE	-	-	-	-	-	-	-
1 1-DICHLOROETHANE	-	-	-	-	-	-	-
CIS-1 2-DICHLOROETHENE	-	-	560	600	3200	-	3200
METHYL ETHYL KETONE	-	-	380	-	-	-	-
CHLOROFORM	-	-	-	-	-	-	-
1 1 1-TRICHLOROETHANE	-	-	-	70	-	-	-
CARBON TETRACHLORIDE	-	-	-	-	-	-	-
BENZENE	-	-	-	-	-	-	-
TRICHLOROETHENE	-	-	-	26	1600	-	11000
TOLUENE	-	-	-	-	-	-	-
1 1 2-TRICHLOROETHANE	-	-	-	-	-	-	-
ETHYLBENZENE	-	-	-	-	-	-	-
P-XYLENE/M-XYLENE	-	-	-	-	-	-	-
O-XYLENE	-	-	-	-	-	-	-

NOTES:
- = Compound not detected at the Practical Quantitation Limit; refer to Appendix C for Practical Quantitation Limits.
* = Duplicate sample.
** = Detection suspect due to compound being detected in quality control laboratory samples.

TABLE 4
SUMMARY OF GROUND WATER ANALYTICAL DATA
(DETECTED COMPOUNDS ONLY)
OCTOBER 1996 QUARTERLY, SEMI-ANNUAL AND 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.	BATDW12961018	BATEW2961016	BATEW3961016	BATEW4961016	BATEW5961016	BATEW6961016	BATEW7961018	BATEW8961018
SAMPLE DATE	10/18/96	10/16/96	10/16/96	10/16/96	10/16/96	10/16/96	10/18/96	10/18/96
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
ANALYTICAL METHOD	8240	8240	8240	8240	8240	8240	8240	8240
PARAMETER								
CHLOROMETHANE	-	-	-	-	-	-	-	-
VINYL CHLORIDE	46	-	-	38	46	15	520	160
1 1-DICHLOROETHENE	-	-	-	-	-	-	-	-
CARBON DISULFIDE	-	-	-	-	-	-	-	-
METHYLENE CHLORIDE	710	-	-	-	-	-	-	-
TRANS-1 2-DICHLOROETHENE	-	-	-	-	-	-	-	-
1 1-DICHLOROETHANE	-	-	-	-	-	-	-	-
CIS-1 2-DICHLOROETHENE	3600	1900	2800	200	120	59	5200	2000
METHYL ETHYL KETONE	-	-	-	-	73	-	-	-
CHLOROFORM	-	-	-	-	-	-	-	-
1 1 1-TRICHLOROETHANE	68	-	-	-	-	-	-	-
CARBON TETRACHLORIDE	-	-	-	-	-	-	-	-
BENZENE	-	-	-	-	-	-	-	-
TRICHLOROETHENE	9300	330	-	-	-	-	-	950
TOLUENE	-	-	-	-	-	-	-	-
1 1 2-TRICHLOROETHANE	-	-	-	-	-	-	-	-
ETHYLBENZENE	-	-	-	-	-	-	-	-
P-XYLENE/M-XYLENE	-	-	-	-	-	-	-	-
O-XYLENE	-	-	-	-	-	-	-	-

NOTES:
- = Compound not detected at the Practical Quantitation Limit; refer to Appendix C for Practical Quantitation Limits.
* = Duplicate sample.
** = Detection suspect due to compound being detected in quality control laboratory samples.

TABLE 5
SUMMARY OF VERTICAL HYDRAULIC GRADIENTS
OCTOBER 1996 QUARTERLY, SEMI-ANNUAL AND ANNUAL
MONITORING EVENT
TEXTRON REALTY OPERATIONS
WHEATFIELD, NEW YORK

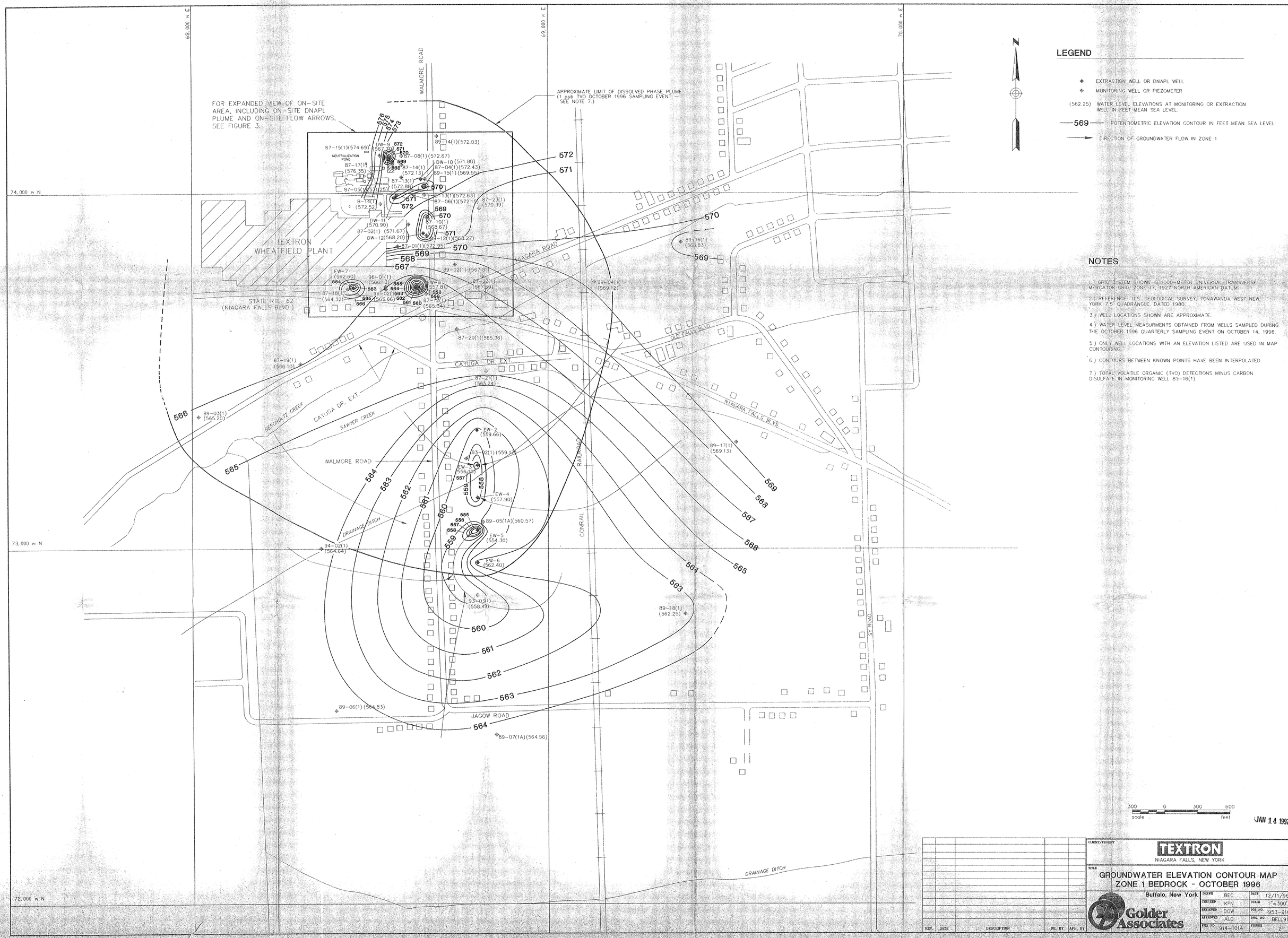
WELL NAME	TOP OF RISER ELEVATION (FT. MSL)	WATER LEVEL (FT. BTOR)	DATE MEASURED	WATER LEVEL ELEVATION (FT. MSL)	HEAD DIFFERENCE ZONE 3 - ZONE 1 (dH) (FT.)	THICKNESS ZONE 2 (dL) (FT.)	VERTICAL GRADIENT dH/dL
87-02(1)	589.21	17.54	10/14/96	571.67	3.32	7.00	0.47
87-02(3)	588.63	13.64		574.99			
87-04(1)	589.08	16.65	10/14/96	572.43	3.72	7.00	0.53
87-04(3)	589.49	13.34		576.15			
87-05(1)	589.37	18.12	10/14/96	571.25	5.11	7.00	0.73
87-05(3)	589.46	13.10		576.36			
87-13(1)	590.06	17.18	10/14/96	572.88	3.43	7.00	0.49
87-13(3)	589.91	13.60		576.31			
87-14(1)	589.06	16.93	10/14/96	572.13	4.44	7.00	0.63
87-14(3)	590.35	13.78		576.57			
87-15(1)	590.27	15.58	10/14/96	574.69	1.98	7.00	0.28
87-15(3)	589.87	13.20		576.67			
89-02(1)	584.63	16.82	10/14/96	567.81	5.97	7.00	0.85
89-02(3)	584.80	11.02		573.78			

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

The Following Image(s) are the Best Copy Available

BIEL'S



LEGEND

- ◆ EXTRACTION WELL OR DNAPL WELL
- ⊕ MONITORING WELL OR PIEZOMETER
- (562.25) 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 OCTOBER 1996 QUARTERLY SAMPLING EVENT ON OCTOBER 14, 1996.

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

6.) CONTOURS BETWEEN KNOWN POINTS HAVE BEEN INTERPOLATED

7.) TOTAL VOLATILE ORGANIC (TVO) DETECTIONS MINUS CARBON DISULFATE IN MONITORING WELL 89-16(1).

300 0 300 600
scale feet

JAN 14 1997

REV.	DATE	DESCRIPTION	DR. BY	APP. BY

CLIENT/PROJECT: TEXTRON, NIAGARA FALLS, NEW YORK

TITLE: GROUNDWATER ELEVATION CONTOUR MAP ZONE 1 BEDROCK - OCTOBER 1996

Buffalo, New York

Golder Associates

DRAWN	BEC	DATE	12/11/96
CHECKED	KFN	SCALE	1"=300'
REVIEWED	DCW	JOB NO.	953-9103
APPROVED	ALC	DWG. NO.	BELL91
FILE NO.	914-1014	FIGURE	2

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)

87-04(1)

89-15(1)

89-14(0)

89-14(1)

DW-10

B-12(1)

DW-11

87-10(0)

87-02(3)

87-02(1)

DW-12

87-01(1)

87-01(0)

BELL AEROSPACE TEXTRON
WHEATFIELD PLANT

87-23(0)

89-02(3)

89-02(1)

87-22(0)

87-22(1)

NIAGARA ROAD

89-16(1)

EW-7

87-18(0)

87-18(1)

EW-8

87-12(1)

STATE RTE. 62
(NIAGARA FALLS BLVD.)

SW89-1

89-04(1)

87-20(0)

87-20(1)

OLD FALLS BLVD.

87-19(1)

CAYUGA DR. EXT.

87-21(1)

NIAGARA FALLS BLVD.

89-03(1)

BERGHOLTZ CREEK

CAYUGA DR. EXT.

SAWYER CREEK

EW-2

89-17(1)

93-02(1)

WALMORE ROAD

EW-3

RAILROAD

EW-4

89-05(1A)
89-05(1B)

EW-5

CONRAIL

DRAINAGE DITCH

94-02(1)

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

JAN 14 1997

REV.	DATE	DESCRIPTION	DS. BY	APP. BY

CLIENT/PROJECT

Bell Aerospace TEXTRON
NIAGARA FALLS, NEW YORK

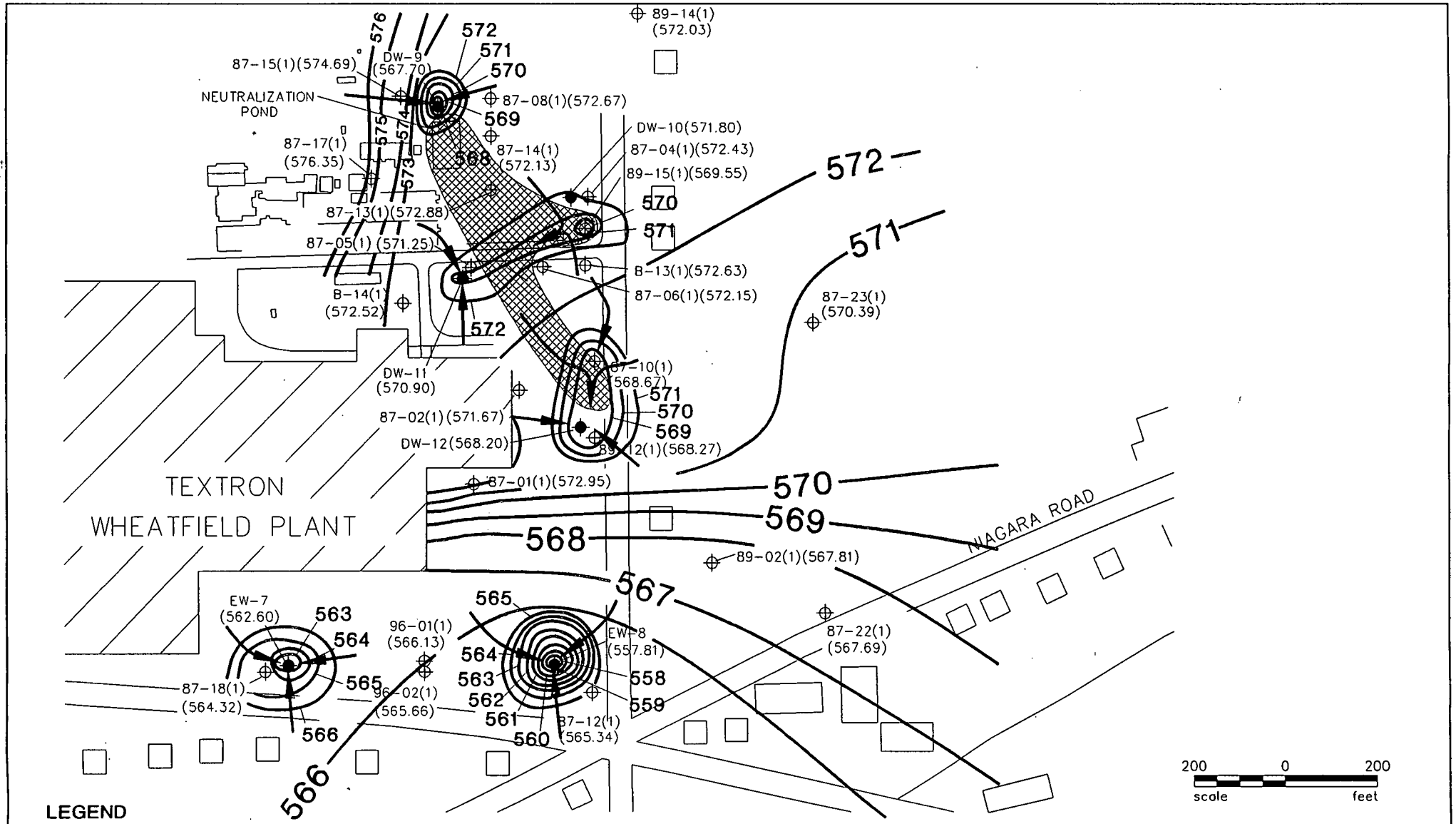
TITLE

GROUNDWATER MONITORING PLAN
SAMPLE LOCATIONS

Buffalo, New

Golder Associates

DRAWN	BEC	DATE	6/8/94
CHECKED	KFN	SCALE	1"=300'
REVIEWED	DCW	JOB NO.	953-9103
APPROVED	ALG	DWG. NO.	BELL64
FILE NO.	914-1014	FIGURE	1



LEGEND

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

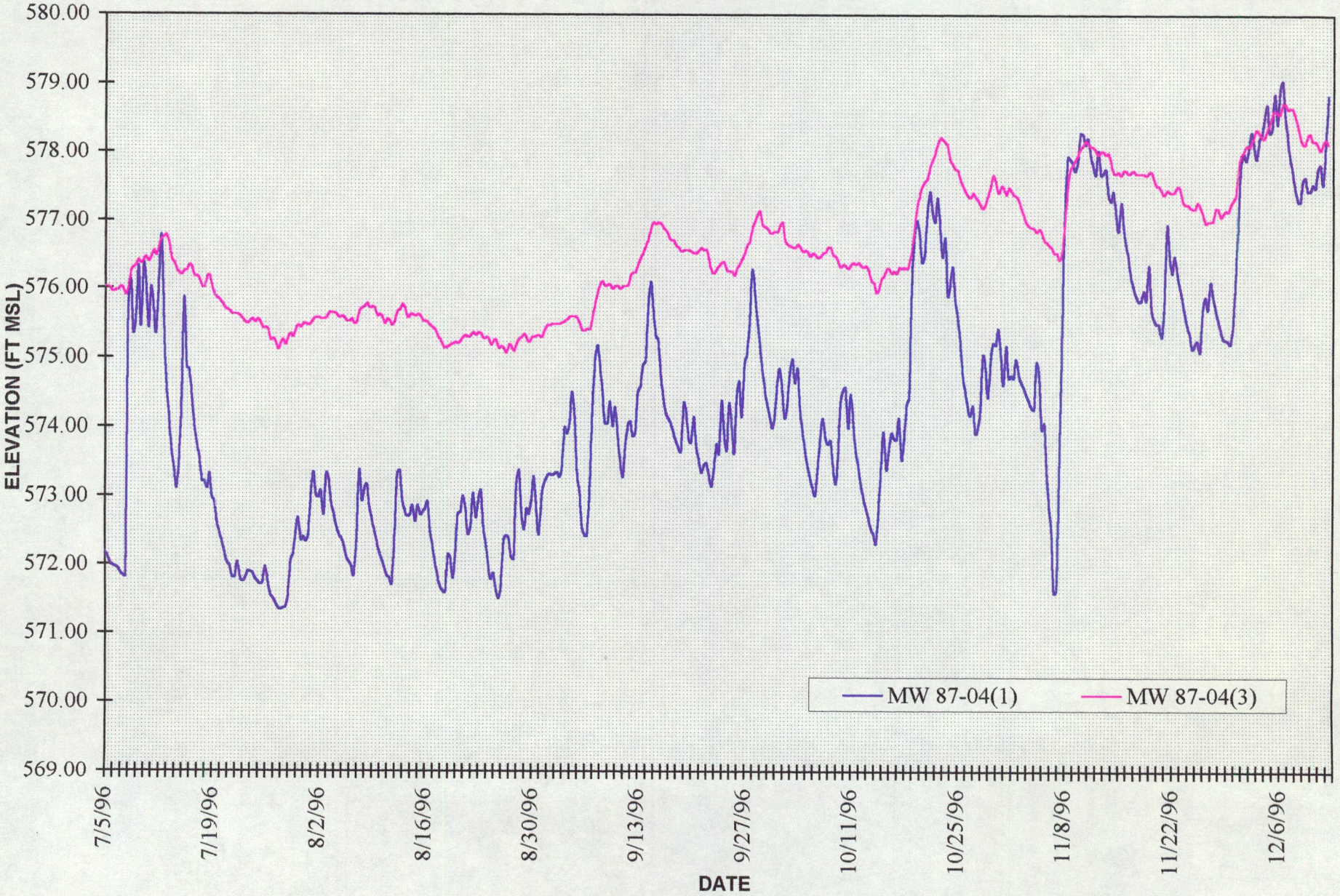
Golder Associates Buffalo, New York

CLIENT/PROJECT: TEXTRON, NIAGARA FALLS, NEW YORK

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

DRAWN	BEC	DATE	12/13/96	JOB NO.	953-9103
CHECKED	DCW	SCALE	AS SHOWN	DWG. NO.	BELL92
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 TDS / 95 97 GW4 NY

GAI PROJECT NO. 953-9103

SAMPLE ID. BAT 870109 61017

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

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/10/17	TIME (24 HR CLOCK)	1240	ELAPSED HRS.	----
CASING VOL.(Gal.)	.22	GAL. PURGED (Gal.)	.68		
PURGING DEVICE (SEE BELOW)	E	PURGING DEVICE MATERIAL	SS	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/10/17	TIME (24 HR CLOCK)	1250	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.)	16.55
DEPTH TO WATER (REF. PT.)	15.15	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)	7.7	8.1	8.2	7.7
SPEC. COND.(UMHOS/CM)	1100	1000	1000	1000
TEMPERATURE (C)	17	17	17	18°
OTHER (SPECIFY)				

COMMENTS/CALCULATIONS

WEATHER CONDITIONS 70° SUN

SAMPLE APPEARANCE BROWN, SULFIDE SMELL

Lock present? (Y) N

Riser cap present? (Y) N

Riser pipe serviceable? (Y) N

Protective casing serviceable? (Y) N

Surface grout seal functional? (Y) N

Sampling device functional? (Y) N

Corrective action required? Y (N)

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

SAMPLER SIGNATURE Brian E Cooley DATE 12/10/96

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME TDS / 95 97 GW4 NY

GAI PROJECT NO. 953-9103

SAMPLE ID. BAT 8701 | 961017

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

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	961017	TIME (24 HR CLOCK)	1245	ELAPSED HRS.	----
CASING VOL.(Gal.)	2.32	GAL. PURGED (Gal.)	6.96		
PURGING DEVICE (SEE BELOW)	E	PURGING DEVICE MATERIAL	SS	DEDICATED (Y)N	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	961017	TIME (24 HR CLOCK)	1255	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.)	32.57
DEPTH TO WATER (REF. PT.)	15.62	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	7.6	7.6	7.6
SPEC. COND.(UMHOS/CM)	900	1000	1000	1000
TEMPERATURE (C)	16°	16°	16	15
OTHER (SPECIFY)				

COMMENTS/CALCULATIONS

WEATHER CONDITIONS 70° SUN

SAMPLE APPEARANCE CLEAR, SULFIDE SMELL

Lock present? (Y)N

Riser cap present? (Y)N

Riser pipe serviceable? (Y)N

Protective casing serviceable? (Y)N

Surface grout seal functional? (Y)N

Sampling device functional? (Y)N

Corrective action required? Y(N)

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

SAMPLER SIGNATURE Brian E Crosby DATE 10/18/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME TDS / 95 97 GW's NY GAI PROJECT NO. 953-910 3

SAMPLE ID. BAT 870219610 17 SOURCE CODES: RIVER OR STREAM (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	961017	TIME (24 HR CLOCK)	1390	ELAPSED HRS.	----
CASING VOL.(Gal.)	2.61	GAL. PURGED (Gal.)	7.83		
PURGING DEVICE (SEE BELOW)	E	PURGING DEVICE MATERIAL	SS	DEDICATED (Y)N	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	961017	TIME (24 HR CLOCK)	1400	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.)	33.57
DEPTH TO WATER (REF. PT.)	17.54	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)	8.4	8.5	8.5	8.3
SPEC. COND.(UMHOS/CM)	500	500	500	500
TEMPERATURE (C)	15°	15°	15°	15°
OTHER (SPECIFY)				

COMMENTS/CALCULATIONS

WEATHER CONDITIONS 70° SUN

SAMPLE APPEARANCE Clear, Sulfide Smell

Lock present? (Y)N
Riser cap present? (Y)N
Riser pipe serviceable? (Y)N
Protective casing serviceable? (Y)N
Surface grout seal functional ? (Y)N
Sampling device functional? (Y)N
Corrective action required? Y(N)

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

SAMPLER SIGNATURE Brian E. Cooley DATE 12/10/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME TDS / 95 97 GW1 NY

GAI PROJECT NO. 953-910 3

SAMPLE ID. BAT 870239601017

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

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/10/17	TIME (24 HR CLOCK)	1340	ELAPSED HRS.	----
CASING VOL.(Gal.)	2.15 e	GAL. PURGED (Gal.)	21.51		
PURGING DEVICE (SEE BELOW)	----	PURGING DEVICE MATERIAL	SS	DEDICATED (Y)N	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/10/17	TIME (24 HR CLOCK)	1455	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.)	57.56
DEPTH TO WATER (REF. PT.)	15.64	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	7.4	7.4	7.4
SPEC. COND.(UMHOS/CM)	1500	1500	1501	1500
TEMPERATURE (C)	16°	14	14	13°
OTHER (SPECIFY)	----	----	----	----

COMMENTS/CALCULATIONS

WEATHER CONDITIONS 70° SUN

SAMPLE APPEARANCE GRAY ~~GRAY~~, SULFIDE SMELL

Lock present? (Y)N

Riser cap present? (Y)N

Riser pipe serviceable? (Y)N

Protective casing serviceable? (Y)N

Surface grout seal functional ? (Y)N

Sampling device functional? (Y)N

Corrective action required? Y(N)

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

SAMPLER SIGNATURE Brian E Crosby

DATE 12/10/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME TOS / 95 97 GW 1 NY GAI PROJECT NO. 953-910 3

SAMPLE ID. BAT 870419610 16 SOURCE CODES: RIVER OR STREAM (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96 10 16	TIME (24 HR CLOCK)	1420	ELAPSED HRS.	____
CASING VOL.(Gal.)	2.52	GAL. PURGED (Gal.)	7.58		
PURGING DEVICE (SEE BELOW)	E	PURGING DEVICE MATERIAL	SS	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96 10 16	TIME (24 HR CLOCK)	1440	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.)	32.02
DEPTH TO WATER (REF. PT.)	16.65	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)	8.0	8.0	8.0	8.0
SPEC. COND.(UMHOS/CM)	600	700	700	600
TEMPERATURE (C)	16°	15°	15°	16°
OTHER (SPECIFY)	____	____	____	____

COMMENTS/CALCULATIONS

WEATHER CONDITIONS 75° SUN

SAMPLE APPEARANCE Slight TURBID, LT. GRAY, SULFUR SMELL BIOLOGICAL MATTER

Lock present? (Y) N
Riser cap present? (Y) N
Riser pipe serviceable? (Y) N
Protective casing serviceable? (Y) N
Surface grout seal functional ? (Y) N
Sampling device functional? (Y) N
Corrective action required? Y (N)

FIELD BLANK TAKEN

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

SAMPLER SIGNATURE Brian E Cooley DATE 12/16/96

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME TDS / 95 97 GW'S NY GAI PROJECT NO. 953-910 3

SAMPLE ID. BAT 870819610 16 SOURCE CODES: RIVER OR STREAM (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	961081 16	TIME (24 HR CLOCK)	1335	ELAPSED HRS.	----
CASING VOL.(Gal.)	2.52	GAL. PURGED (Gal.)	7.58		
PURGING DEVICE (SEE BELOW)	e	PURGING DEVICE MATERIAL	SS.	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	961081 16	TIME (24 HR CLOCK)	1345	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.)	32.33
DEPTH TO WATER (REF. PT.)	156.81	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)	7.8	7.5	7.5	7.4
SPEC. COND.(UMHOS/CM)	1000	1100	1100	1100
TEMPERATURE (C)	15°	14°	14°	15°
OTHER (SPECIFY)				

COMMENTS/CALCULATIONS

WEATHER CONDITIONS 75° SUN

SAMPLE APPEARANCE [illegible], SULFUR SMELL, & CLEAR

Lock present? (Y) N
Riser cap present? (Y) N
Riser pipe serviceable? (Y) N
Protective casing serviceable? (Y) N
Surface grout seal functional (Y) N
Sampling device functional? (Y) N
Corrective action required? Y (N)

FIELD BLANK TAKEN EBZ

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

SAMPLER SIGNATURE Brian E Crosby DATE 12/10/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME: TDS / 95 97 GW NY — GAI PROJECT NO. 953-9103

SAMPLE ID: BAT 87100961016 — SOURCE CODES: RIVER OR STREAM, (WELL), SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd) 961016 — TIME (24 HR CLOCK) 1525 — ELAPSED HRS. ----

CASING VOL.(Gal.) .52 — GAL. PURGED (Gal.) 1.57 — DEDICATED (Y)/N

PURGING DEVICE (SEE BELOW) e — PURGING DEVICE MATERIAL SS.

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd) 961016 — TIME (24 HR CLOCK) 1535 — MATRIX H_2O

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.) 18.08

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 Sample	Final sample
pH (STD)	7.9	7.9	7.9	7.7
SPEC. COND.(UMHOS/CM)	900	500	500	500
TEMPERATURE (C)	22°	22°	22°	22°
OTHER (SPECIFY)	—	—	—	—

COMMENTS/CALCULATIONS

WEATHER CONDITIONS 75° SUN

SAMPLE APPEARANCE Choc. Brown, Sulfur, Smell

Lock present? (Y) N

Riser cap present? (Y) N

Riser pipe serviceable? (Y) N

Protective casing serviceable? (Y) N

Surface grout seal functional ? (Y) N

Sampling device functional? (Y) N

Corrective action required? Y (N)

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

SAMPLER SIGNATURE Brian E Crosby — DATE 12/10/96

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME TDS 95 97 GW NY GAI PROJECT NO. 953-910 3

SAMPLE ID. BAT 871219610 16 SOURCE CODES: RIVER OR STREAM (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/10/17	TIME (24 HR CLOCK)	1025	ELAPSED HRS.	----
CASING VOL.(Gal.)	2.36	GAL. PURGED (Gal.)	7.08		
PURGING DEVICE (SEE BELOW)	C	PURGING DEVICE MATERIAL	SS	DEDICATED (Y)N	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/10/17	TIME (24 HR CLOCK)	1100	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.)	32.99
DEPTH TO WATER (REF. PT.)	10.50	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)	8.0	8.0	8.0	7.9
SPEC. COND.(UMHOS/CM)	500	1000	1000	900
TEMPERATURE (C)	17°	16°	16°	17°
OTHER (SPECIFY)	----	----	----	----

COMMENTS/CALCULATIONS

WEATHER CONDITIONS 62° SUN

SAMPLE APPEARANCE Clear, Sulfur Smell

Lock present? (Y)N
Riser cap present? (Y)N
Riser pipe serviceable? (Y)N
Protective casing serviceable? (Y)N
Surface grout seal functional? (Y)N
Sampling device functional? (Y)N
Corrective action required? Y (N)

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

SAMPLER SIGNATURE Brian E Cooley DATE 12/00/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME TOS / 95 97 GW1 NY GAI PROJECT NO. 953-910 3

SAMPLE ID. BAT871339610 18 SOURCE CODES: RIVER OR STREAM (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/10/18	TIME (24 HR CLOCK)	2342	ELAPSED HRS.	----
CASING VOL.(Gal.)	7.8	GAL. PURGED (Gal.)			
PURGING DEVICE (SEE BELOW)	E	PURGING DEVICE MATERIAL	SS	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/10/18	TIME (24 HR CLOCK)	----	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.)	57.03
DEPTH TO WATER (REF. PT.)	9.12	STICKUP (FT.)	----
GW. ELEV.(FT. MSL.)	----	WELL DIAMETER (INCHES)	2.05

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial purge	Final purge	Initial Sample	Final Sample
pH (STD)	7.9	7.7	7.7	7.4
SPEC. COND.(UMHOS/CM)	1500	1500	1500	1600
TEMPERATURE (C)	17°	14	14	15°
OTHER (SPECIFY)				

COMMENTS/CALCULATIONS

WEATHER CONDITIONS 63° SUN

SAMPLE APPEARANCE CLEAR, SL. SULFUR SMELL

Lock present? (Y) N
Riser cap present? (Y) N
Riser pipe serviceable? (Y) N
Protective casing serviceable? (Y) N
Surface grout seal functional ? (Y) N
Sampling device functional? (Y) N
Corrective action required? Y (N)

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

SAMPLER SIGNATURE Brian E Crosby DATE 12/10/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME TOS / 95 97 GW1 NY

GAI PROJECT NO. 953-9103

SAMPLE ID. BAT871409610 18

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

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/10/18	TIME (24 HR CLOCK)	ELAPSED HRS. ____
CASING VOL.(Gal.)	81	GAL. PURGED (Gal.)	2.4
PURGING DEVICE (SEE BELOW)	E	PURGING DEVICE MATERIAL	SS DEDICATED (Y/N)

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/10/18	TIME (24 HR CLOCK)	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.)	12.25
DEPTH TO WATER (REF. PT.)	11.25	STICKUP (FT.)	____
GW. ELEV.(FT. MSL.)	____	WELL DIAMETER (INCHES)	2.05

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial purge	Final purge	Initial Sample	Final sample
pH (STD)	8.6	8.0	8.0	8.2
SPEC. COND.(UMHOS/CM)	1000	900	900	900
TEMPERATURE (C)	14	13	13	14
OTHER (SPECIFY)	____	____	____	____

COMMENTS/CALCULATIONS

WEATHER CONDITIONS 65° SUN

SAMPLE APPEARANCE Gray. Sulfur Smell

Lock present? (Y) N

Riser cap present? (Y) N

Riser pipe serviceable? (Y) N

Protective casing serviceable? (Y) N

Surface grout seal functional ? (Y) N

Sampling device functional? (Y) N

Corrective action required? Y (N)

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

SAMPLER SIGNATURE Brian E Cosby DATE 12/16/96

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME TDS / 95 97 GW NY GAI PROJECT NO. 953-9103

SAMPLE ID. BAT 87171 961016 SOURCE CODES: RIVER OR STREAM (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	961016	TIME (24 HR CLOCK)	1400	ELAPSED HRS.	----
CASING VOL.(Gal.)	3.5	GAL. PURGED (Gal.)	9.0		
PURGING DEVICE (SEE BELOW)	E	PURGING DEVICE MATERIAL	SS	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	961016	TIME (24 HR CLOCK)	1415	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.)	31.24
DEPTH TO WATER (REF. PT.)	13.27	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)	7.7	7.5	7.5	7.4
SPEC. COND.(UMHOS/CM)	1100	1100	1100	1100
TEMPERATURE (C)	14°	14°	14°	15°
OTHER (SPECIFY)	----	----	----	----

COMMENTS/CALCULATIONS

WEATHER CONDITIONS 75° SUN

SAMPLE APPEARANCE clear, SULFUR SMELL

Lock present? (Y) N
Riser cap present? (Y) N
Riser pipe serviceable? (Y) N
Protective casing serviceable? (Y) N
Surface grout seal functional? (Y) N
Sampling device functional? (Y) N
Corrective action required? Y (N)

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

SAMPLER SIGNATURE Brian E Easley DATE 12/10/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME TDS / 95 97 GW4 NV

GAI PROJECT NO. 953-9103

SAMPLE ID. BAT 871809610 17

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

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/10/17	TIME (24 HR CLOCK)		ELAPSED HRS.	
CASING VOL.(Gal.)		GAL. PURGED (Gal.)			
PURGING DEVICE (SEE BELOW)		PURGING DEVICE MATERIAL		DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/10/17	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.)	
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)				
SPEC. COND.(UMHOS/CM)				
TEMPERATURE (C)				
OTHER (SPECIFY)				

COMMENTS/CALCULATIONS

WEATHER CONDITIONS

SAMPLE APPEARANCE

Lock present? (Y) N

Riser cap present? (Y) N

Riser pipe serviceable? (Y) N

Protective casing serviceable? (Y) N

Surface grout seal functional? (Y) N

Sampling device functional? (Y) N

Corrective action required? (Y) N

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

SAMPLER SIGNATURE Brian E Crosby

DATE 12/10/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME TDS / 95-97 GW / NY

GAI PROJECT NO. 953-9103

SAMPLE ID. BAT 87181961017

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

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd) 96/10/17

CASING VOL.(Gal.) 1.75

PURGING DEVICE (SEE BELOW) e

TIME (24 HR CLOCK) 1310

GAL. PURGED (Gal.) 5.25

PURGING DEVICE MATERIAL SS

ELAPSED HRS. ----

DEDICATED (Y)/N

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd) 96/10/17

SAMPLING DEVICE (SEE BELOW e

SAMPLING DEVICE MATERIAL SS

TIME (24 HR CLOCK) 1330

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.) 21.70

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

LAND ELEVATION (FT./MSL) ---

WELL DEPTH (FT.) 32.52

STICKUP (FT.) ---

WELL DIAMETER (INCHES) 2.00

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial purge	Final purge	Initial Sample	Final sample
pH (STD)	7.9	7.6	7.6	7.5
SPEC. COND.(UMHOS/CM)	1000	1000	1000	1000
TEMPERATURE (C)	16	16	16	15
OTHER (SPECIFY)	---	---	---	---

COMMENTS/CALCULATIONS

WEATHER CONDITIONS 70° Sun

SAMPLE APPEARANCE Clear, sulfur smell

Lock present? (Y) N
Riser cap present? (Y) N
Riser pipe serviceable? (Y) N
Protective casing serviceable? (Y) N
Surface grout seal functional ? (Y) N
Sampling device functional? (Y) N
Corrective action required? Y (N)

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

DATE 12/10/96

SAMPLER SIGNATURE [signature]

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME TDS / 95 97 GW4 NY GAI PROJECT NO. 953-910 3

SAMPLE ID. BAT 57191 96 10 15 SOURCE CODES: RIVER OR STREAM (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/10/15	TIME (24 HR CLOCK)	1405	ELAPSED HRS.	____
CASING VOL.(Gal.)	2.9	GAL. PURGED (Gal.)	8.9		
PURGING DEVICE (SEE BELOW)	E	PURGING DEVICE MATERIAL	S.S.	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/10/15	TIME (24 HR CLOCK)	1430	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.)	33.53
DEPTH TO WATER (REF. PT.)	15.37	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)	8.2	8.2	8.2	8.0
SPEC. COND.(UMHOS/CM)	900	900	900	800
TEMPERATURE (C)	12	12°	12°	11°
OTHER (SPECIFY)	____	____	____	____

COMMENTS/CALCULATIONS

WEATHER CONDITIONS 55° SUN

SAMPLE APPEARANCE clear Sulfur smell

Lock present? (Y) N
Riser cap present? (Y) N
Riser pipe serviceable? (Y) N
Protective casing serviceable? (Y) N
Surface grout seal functional? (Y) N
Sampling device functional? (Y) N
Corrective action required? Y (N)

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

SAMPLER SIGNATURE Brian E Cuddy DATE 12/10/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME TOS / 95 97 GW4 NY GAI PROJECT NO. 953-9103

SAMPLE ID. BAT 8720961017 SOURCE CODES: RIVER OR STREAM (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	961017	TIME (24 HR CLOCK)	1125	ELAPSED HRS.	----
CASING VOL.(Gal.)	1.39	GAL. PURGED (Gal.)	1.18		
PURGING DEVICE (SEE BELOW)	C	PURGING DEVICE MATERIAL	SS	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	961017	TIME (24 HR CLOCK)	1135	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.)	9.97
DEPTH TO WATER (REF. PT.)	7.55	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	7.8	7.8	7.7
SPEC. COND.(UMHOS/CM)	1100	1000	1000	1000
TEMPERATURE (C)	16	14°	14°	16°
OTHER (SPECIFY)				

COMMENTS/CALCULATIONS

WEATHER CONDITIONS 62° SUN

SAMPLE APPEARANCE Clear, Sulfur Smell

Lock present? (Y) N
Riser cap present? (Y) N
Riser pipe serviceable? (Y) N
Protective casing serviceable? (Y) N
Surface grout seal functional? (Y) N
Sampling device functional? (Y) N
Corrective action required? Y (N)

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

SAMPLER SIGNATURE Brian E Cooley DATE 12/16/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME TOS / 95 97 GW4 NY

GAI PROJECT NO. 953-910 3

SAMPLE ID. BAT 87201 961017

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

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/10/17	TIME (24 HR CLOCK)	1125
CASING VOL.(Gal.)	2.82	GAL. PURGED (Gal.)	8.40
PURGING DEVICE (SEE BELOW)	E	PURGING DEVICE MATERIAL	SS
ELAPSED HRS.		DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/10/17	TIME (24 HR CLOCK)	1140
SAMPLING DEVICE (SEE BELOW	E	DEDICATED (Y/N)	
SAMPLING DEVICE MATERIAL	SS	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)	
MATRIX	H2O		
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	LAND ELEVATION (FT./MSL)	
REF. PT. ELEV.(FT. MSL)		WELL DEPTH (FT.)	30.97
DEPTH TO WATER (REF. PT.)	13.65	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)	7.7	7.9	7.9	7.7
SPEC. COND.(UMHOS/CM)	1100	1000	1000	1000
TEMPERATURE (C)	14°	15°	15°	14°
OTHER (SPECIFY)				

COMMENTS/CALCULATIONS

WEATHER CONDITIONS 62° SUN

SAMPLE APPEARANCE Clear, Sulfur smell

Lock present? (Y) N

Riser cap present? (Y) N

Riser pipe serviceable? (Y) N

Protective casing serviceable? (Y) N

Surface grout seal functional ? (Y) N

Sampling device functional? (Y) N

Corrective action required? Y (N)

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

SAMPLER SIGNATURE Brian E. Cooley DATE 10/15/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME TDS / 95 97 GW4 NY GAI PROJECT NO. 953-9103

SAMPLE ID. BAT 87211961015 SOURCE CODES: RIVER OR STREAM (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/12/15	TIME (24 HR CLOCK)	1530	ELAPSED HRS.	____
CASING VOL.(Gal.)	3.46	GAL. PURGED (Gal.)	10.38		
PURGING DEVICE (SEE BELOW)	C	PURGING DEVICE MATERIAL	S.S.	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/12/15	TIME (24 HR CLOCK)	1555	MATRIX	H2O
SAMPLING DEVICE (SEE BELOW	C	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.)	33.32
DEPTH TO WATER (REF. PT.)	12.09	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)	8.3	8.3	8.3	8.2
SPEC. COND.(UMHOS/CM)	500	800	800	700
TEMPERATURE (C)	15°	14°	14°	14°
OTHER (SPECIFY)	____	____	____	____

COMMENTS/CALCULATIONS

WEATHER CONDITIONS 58° SUN

SAMPLE APPEARANCE Clear Sulfur Smell

DUP TAKEN

Lock present? (Y) N

Riser cap present? (Y) N

Riser pipe serviceable? (Y) N

Protective casing serviceable? (Y) N

Surface grout seal functional (Y) N

Sampling device functional? (Y) N

Corrective action required? Y (N)

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

SAMPLER SIGNATURE Brian E Cushing DATE 12/10/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME TDS / 95 97 GW / NY

GAI PROJECT NO. 953-910 3

SAMPLE ID. BAT 87220961017

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

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/10/17	TIME (24 HR CLOCK)	ELAPSED HRS.
CASING VOL.(Gal.)		GAL. PURGED (Gal.)	
PURGING DEVICE (SEE BELOW)		PURGING DEVICE MATERIAL	DEDICATED (Y/N)

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/10/17	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.)	
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)				
SPEC. COND.(UMHOS/CM)				
TEMPERATURE (C)				
OTHER (SPECIFY)				

COMMENTS/CALCULATIONS

WEATHER CONDITIONS

SAMPLE APPEARANCE DRY

Lock present? (Y) N

Riser cap present? (Y) N

Riser pipe serviceable? (Y) N

Protective casing serviceable? (Y) N

Surface grout seal functional ? (Y) N

Sampling device functional? (Y) N

Corrective action required? Y (N)

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

SAMPLER SIGNATURE Brian E. Gaskey

DATE 12/10/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME TDS 95 97 GW4 NY GAI PROJECT NO. 953-910 3

SAMPLE ID. BAT 87221961015 SOURCE CODES: RIVER OR STREAM (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/12/15	TIME (24 HR CLOCK)	1505	ELAPSED HRS.	----
CASING VOL.(Gal.)	2.5	GAL. PURGED (Gal.)	7.4		
PURGING DEVICE (SEE BELOW)	E	PURGING DEVICE MATERIAL	SS	DEDICATED (Y)N	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/12/15	TIME (24 HR CLOCK)	1830	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.)	32.18
DEPTH TO WATER (REF. PT.)	16.98	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)	8.0	8.4	8.4	8.2
SPEC. COND.(UMHOS/CM)	1200	1100	1100	1000
TEMPERATURE (C)	10.5°	N	11	10
OTHER (SPECIFY)				

COMMENTS/CALCULATIONS

WEATHER CONDITIONS 59° SUN

SAMPLE APPEARANCE Clear Sulfur Smell

MS/MSD TAKEN

Lock present? (Y)N
Riser cap present? (Y)N
Riser pipe serviceable? (Y)N
Protective casing serviceable? (Y)N
Surface grout seal functional ? (Y)N
Sampling device functional? (Y)N
Corrective action required? Y(N)

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

SAMPLER SIGNATURE Brian E. Crosby DATE 12/10/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME TDS / 95 97 GW1 NY

GAI PROJECT NO. 953-910 3

SAMPLE ID. BAT 87230 961016

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

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/10/16	TIME (24 HR CLOCK)	1545	ELAPSED HRS.	----
CASING VOL.(Gal.)	1.45	GAL. PURGED (Gal.)	4.36		
PURGING DEVICE (SEE BELOW)	E	PURGING DEVICE MATERIAL	SS	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/10/16	TIME (24 HR CLOCK)	1600	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.)	16.67
DEPTH TO WATER (REF. PT.)	7.75	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	8.4	8.4	8.1
SPEC. COND.(UMHOS/CM)	800	700	7:00	800
TEMPERATURE (C)	15°	14°	14°	14°
OTHER (SPECIFY)	----	----	----	----

COMMENTS/CALCULATIONS

WEATHER CONDITIONS 75° SW

SAMPLE APPEARANCE BROWN-GRAY, SULFUR SMELL

DRY @ 3.0 gal

Lock present? (Y)N

Riser cap present? (Y)N

Riser pipe serviceable? (Y)N

Protective casing serviceable? (Y)N

Surface grout seal functional? (Y)N

Sampling device functional? (Y)N

Corrective action required? Y(N)

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

SAMPLER SIGNATURE Brian E Crosby DATE 12/10/96

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME TDS / 95 97 GW4 NV

GAI PROJECT NO. 953-910 3

SAMPLE ID. BAT 5982 961105

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

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	961105	TIME (24 HR CLOCK)	1345	ELAPSED HRS.	----
CASING VOL.(Gal.)	2.08	GAL. PURGED (Gal.)	8.34		
PURGING DEVICE (SEE BELOW)	C	PURGING DEVICE MATERIAL	HDPE	DEDICATED (Y)N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	961105	TIME (24 HR CLOCK)	1415	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.)	33.93
DEPTH TO WATER (REF. PT.)	16.82	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)	8.7	8.2	8.2	7.7
SPEC. COND.(UMHOS/CM)	2000	2800	2800	2600
TEMPERATURE (C)	12°	11°	11°	11°
OTHER (SPECIFY)	---	---	---	---

COMMENTS/CALCULATIONS

WEATHER CONDITIONS 50° Sun

SAMPLE APPEARANCE Clear, Sulfur Smell

Lock present? (Y)N

Riser cap present? (Y)N

Riser pipe serviceable? (Y)N

Protective casing serviceable? (Y)N

Surface grout seal functional ? (Y)N

Sampling device functional? (Y)N

Corrective action required? Y(N)

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

SAMPLER SIGNATURE [signature]

DATE 11/5/96

RESAMPLED ON 11/05/96

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME TDS / 95-97 GW1 NY

GAI PROJECT NO. 953-9103

SAMPLE ID. BAT89021 961017

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

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/10/17	TIME (24 HR CLOCK)	1035	ELAPSED HRS.	----
CASING VOL.(Gal.)	2.78	GAL. PURGED (Gal.)	8.36		
PURGING DEVICE (SEE BELOW)	C	PURGING DEVICE MATERIAL	HDPE	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/10/17	TIME (24 HR CLOCK)	1050	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.)	33.93
DEPTH TO WATER (REF. PT.)	16.82	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)	8.0	7.6	7.9	7.7
SPEC. COND.(UMHOS/CM)	1000	1000	1000	1000
TEMPERATURE (C)	12	14°	14°	12°
OTHER (SPECIFY)	----	----	----	----

COMMENTS/CALCULATIONS

WEATHER CONDITIONS 62° SUN

SAMPLE APPEARANCE Clear, Sulfur Smell

Lock present? (Y) N
Riser cap present? (Y) N
Riser pipe serviceable? (Y) N
Protective casing serviceable? (Y) N
Surface grout seal functional? (Y) N
Sampling device functional? (Y) N
Corrective action required? Y (N)

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

SAMPLER SIGNATURE Brian E Cooley DATE 12/10/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME TOS / 95 97 GW1 NY

GAI PROJECT NO. 953-910 3

SAMPLE ID. BAT 961105

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

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/11/05	TIME (24 HR CLOCK)	1245	ELAPSED HRS.	____
CASING VOL.(Gal.)	7.51	GAL. PURGED (Gal.)	2272		
PURGING DEVICE (SEE BELOW)	C	PURGING DEVICE MATERIAL	S.S.	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/11/05	TIME (24 HR CLOCK)	14:40	MATRIX	H2O
SAMPLING DEVICE (SEE BELOW	C	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.)	57.50
DEPTH TO WATER (REF. PT.)	11.02	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)	7.3	7.1	____	7.4
SPEC. COND.(UMHOS/CM)	4700	4500	____	4500
TEMPERATURE (C)	12°	11°	____	11°
OTHER (SPECIFY)	____	____	____	____

COMMENTS/CALCULATIONS

WEATHER CONDITIONS 50° SUN

SAMPLE APPEARANCE SLIGHT SMELL, CLEAR

Lock present? (Y/N)
Riser cap present? (Y/N)
Riser pipe serviceable? (Y/N)
Protective casing serviceable? (Y/N)
Surface grout seal functional? (Y/N)
Sampling device functional? (Y/N)
Corrective action required? (Y/N)

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

SAMPLER SIGNATURE Dave Wick

DATE 11/5/96

RESAMPLED on 11/05/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME TDS / 95-97 GW / NY

GAI PROJECT NO. 953-9103

SAMPLE ID. BAT 8902396101 7

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

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd) 96/10/17
CASING VOL.(Gal.) 7.57
PURGING DEVICE (SEE BELOW) e

TIME (24 HR CLOCK) 1040
GAL. PURGED (Gal.) 22.72
PURGING DEVICE MATERIAL SS

ELAPSED HRS. ----
DEDICATED (Y)N)

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd) 96/10/17
SAMPLING DEVICE (SEE BELOW) e
SAMPLING DEVICE MATERIAL SS

TIME (24 HR CLOCK) 1115
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.) 11.02
GW. ELEV.(FT. MSL.) ----

LAND ELEVATION (FT./MSL) ----
WELL DEPTH (FT.) 57.50
STICKUP (FT.) ----
WELL DIAMETER (INCHES) 2.00

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial purge	Final purge	Initial sample	Final sample
pH (STD)	7.5	7.3	7.3	7.3
SPEC. COND.(UMHOS/CM)	1500	1500	1500	1500
TEMPERATURE (C)	12°	12°	12°	13°
OTHER (SPECIFY)	----	----	----	----

COMMENTS/CALCULATIONS

WEATHER CONDITIONS 62° SUN

SAMPLE APPEARANCE Clear, sulfur smell

Lock present? (Y) N
Riser cap present? (Y) N
Riser pipe serviceable? (Y) N
Protective casing serviceable? (Y) N
Surface grout seal functional ? (Y) N
Sampling device functional? (Y) N
Corrective action required? Y (N)

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

SAMPLER SIGNATURE [signature]

DATE 12/10/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME TOS / 95 97 GW / NY GAI PROJECT NO. 953-910 3

SAMPLE ID. BAT 8903196105 SOURCE CODES: RIVER OR STREAM (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/10/15	TIME (24 HR CLOCK)	1440	ELAPSED HRS.	____
CASING VOL.(Gal.)	3.11	GAL. PURGED (Gal.)	9.35		
PURGING DEVICE (SEE BELOW)	C	PURGING DEVICE MATERIAL	SS	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/10/15	TIME (24 HR CLOCK)	1455	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.)	35.23
DEPTH TO WATER (REF. PT.)	16.10	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	8.1	8.1	7.6
SPEC. COND.(UMHOS/CM)	700	900	900	900
TEMPERATURE (C)	13°	13°	13°	12°
OTHER (SPECIFY)	____	____	____	____

COMMENTS/CALCULATIONS

WEATHER CONDITIONS 55° SUN

SAMPLE APPEARANCE Clear Sulfur Smell

Lock present? (Y) N
Riser cap present? (Y) N
Riser pipe serviceable? (Y) N
Protective casing serviceable? (Y) N
Surface grout seal functional ? (Y) N
Sampling device functional? (Y) N
Corrective action required? Y (N)

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

SAMPLER SIGNATURE Brian E Cooley DATE 12/10/96

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME TDS 95 97 GW1 NY GAI PROJECT NO. 953-910 3

SAMPLE ID. BAT SB 041961015 SOURCE CODES: RIVER OR STREAM (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/08/15	TIME (24 HR CLOCK)	0811	ELAPSED HRS.	____
CASING VOL.(Gal.)	30	GAL. PURGED (Gal.)	100		
PURGING DEVICE (SEE BELOW)	E	PURGING DEVICE MATERIAL	S.S.	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/07/1	TIME (24 HR CLOCK)	0840	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.)	30.65
DEPTH TO WATER (REF. PT.)	8.80	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)	8.0	7.7	7.7	7.0
SPEC. COND.(UMHOS/CM)	1200	1400	1400	1100
TEMPERATURE (C)	15°	14°	11°	11°
OTHER (SPECIFY)	C			

COMMENTS/CALCULATIONS

WEATHER CONDITIONS 38° SUN

SAMPLE APPEARANCE Clear Sulfur Smell

Lock present? (Y)N

Riser cap present? (Y)N

Riser pipe serviceable? (Y)N

Protective casing serviceable? (Y)N

Surface grout seal functional (Y)N

Sampling device functional? (Y)N

Corrective action required? Y(N)

MS/MSD TAKEN

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

SAMPLER SIGNATURE Brian E Cooley DATE 12/16/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME: TDS / 95-97 GW / NY

GAI PROJECT NO.: 953-9103

SAMPLE ID.: BAT 89051A961017

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

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd): 96/10/17
CASING VOL.(Gal.): 4.06
PURGING DEVICE (SEE BELOW): C
TIME (24 HR CLOCK): 0910
GAL. PURGED (Gal.): 12.19
PURGING DEVICE MATERIAL: HDPE
ELAPSED HRS.: ---
DEDICATED (Y/N): Y (circled)

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd): 96/10/17
SAMPLING DEVICE (SEE BELOW): E
SAMPLING DEVICE MATERIAL: S.S.
TIME (24 HR CLOCK): 0940
DEDICATED (Y/N): Y (circled)
SAMPLE TYPE - GRAB (circled)/COMPOSITE (CIRCLE ONE)
MATRIX: H_2O
FILTERED (Y/N): N (circled)

(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.): 16.99
GW. ELEV.(FT. MSL.): ---
LAND ELEVATION (FT./MSL): ---
WELL DEPTH (FT.): 41.93
STICKUP (FT.): ---
WELL DIAMETER (INCHES): 2.00

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial purge	Final purge	Initial Sample	Final sample
pH (STD)	7.8	7.4	7.4	7.4
SPEC. COND.(UMHOS/CM)	1100	1100	1100	1100
TEMPERATURE (C)	16°	14	14	12
OTHER (SPECIFY)	---	---	---	---

COMMENTS/CALCULATIONS

WEATHER CONDITIONS: 55° ~~Sun~~ / OVERCAST

SAMPLE APPEARANCE: Clear, Sulfur Smell

Lock present? Y (circled) N
Riser cap present? Y (circled) N
Riser pipe serviceable? Y (circled) N
Protective casing serviceable? Y (circled) N
Surface grout seal functional? Y (circled) N
Sampling device functional? Y (circled) N
Corrective action required? Y N (circled)

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

SAMPLER SIGNATURE: [signature]

DATE: 12/10/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME: TOS, 95-97 GW, NY

GAI PROJECT NO.: 953-9103

SAMPLE ID.: BAT 89051B961017

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

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd): 96/10/17
TIME (24 HR CLOCK): 0915
ELAPSED HRS.: ----
CASING VOL.(Gal.): 2.51
GAL. PURGED (Gal.): 7.54
DEDICATED (Y)N
PURGING DEVICE (SEE BELOW): E
PURGING DEVICE MATERIAL: SS

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd): 96/10/17
TIME (24 HR CLOCK): 0930
MATRIX: H_2O
FILTERED (Y/(N))
SAMPLING DEVICE (SEE BELOW: E
DEDICATED (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.): 28.38
DEPTH TO WATER (REF. PT.): 12.96
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)	7.8	7.7	7.7	7.7
SPEC. COND.(UMHOS/CM)	700	700	700	600
TEMPERATURE (C)	16	15	15	15
OTHER (SPECIFY)	—	—	—	—

COMMENTS/CALCULATIONS

WEATHER CONDITIONS: 55° overcast

SAMPLE APPEARANCE: Clear, Black particulate, sulfur smell

Lock present? (Y) N
Riser cap present? (Y) N
Riser pipe serviceable? (Y) N
Protective casing serviceable? (Y) N
Surface grout seal functional (Y) N
Sampling device functional? (Y) N
Corrective action required? Y (N)

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

SAMPLER SIGNATURE: Brian E [signature]

DATE: 12/10/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME TOS / 95976W4 NY GAI PROJECT NO. 953-910 3

SAMPLE ID. BAT 960619 6 1015 SOURCE CODES: RIVER OR STREAM (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/10/15	TIME (24 HR CLOCK)	1130	ELAPSED HRS.	____
CASING VOL.(Gal.)	6.46	GAL. PURGED (Gal.)	19.5		
PURGING DEVICE (SEE BELOW)	C	PURGING DEVICE MATERIAL	SS	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/10/15	TIME (24 HR CLOCK)	1200	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.)	50.77
DEPTH TO WATER (REF. PT.)	11.10	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)	7.88	7.7	7.7	7.7
SPEC. COND.(UMHOS/CM)	800	1300	1300	1100
TEMPERATURE (C)	11°	11	11	10°
OTHER (SPECIFY)	____	____	____	____

COMMENTS/CALCULATIONS

WEATHER CONDITIONS 55° SUN

SAMPLE APPEARANCE CLEAR SULFUR SMELL

Lock present? (Y) N

Riser cap present? (Y) N

Riser pipe serviceable? (Y) N

Protective casing serviceable? (Y) N

Surface grout seal functional? (Y) N

Sampling device functional? (Y) N

Corrective action required? (Y) N CRACKED SURFACE SEAL

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

SAMPLER SIGNATURE Bruce E Easley DATE 12/10/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME TOS / 95 97 GW1 NY

GAI PROJECT NO. 953-910 3

SAMPLE ID. BAT 89071A 961017

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

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/10/17	TIME (24 HR CLOCK)	0800	ELAPSED HRS.	----
CASING VOL.(Gal.)	6.23	GAL. PURGED (Gal.)	18.7		
PURGING DEVICE (SEE BELOW)	E	PURGING DEVICE MATERIAL	SS	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/10/17	TIME (24 HR CLOCK)	1240	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.)	51.38
DEPTH TO WATER (REF. PT.)	13.19	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)	7.1	7.7	7.4	7.4
SPEC. COND.(UMHOS/CM)	900	1100	1100	1100
TEMPERATURE (C)	12°	12	11	11
OTHER (SPECIFY)	----	----	----	----

COMMENTS/CALCULATIONS

WEATHER CONDITIONS 55° OVERCAST

SAMPLE APPEARANCE clear, Sulfur Smell

Lock present? (Y) N

Riser cap present? (Y) N

Riser pipe serviceable? (Y) N

Protective casing serviceable? (Y) N

Surface grout seal functional? (Y) N

Sampling device functional? (Y) N

Corrective action required? Y (N)

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

SAMPLER SIGNATURE Brian E Crosby

DATE 12/10/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME TDS / 95 97 664 NY GAI PROJECT NO. 953-910 3

SAMPLE ID. BAT 8907 1B961017 SOURCE CODES: RIVER OR STREAM (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	961017	TIME (24 HR CLOCK)	0800	ELAPSED HRS.	----
CASING VOL.(Gal.)	4.79	GAL. PURGED (Gal.)	14.39		
PURGING DEVICE (SEE BELOW)	C	PURGING DEVICE MATERIAL	HDPE	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	961017	TIME (24 HR CLOCK)	0825	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.)	42.05
DEPTH TO WATER (REF. PT.)	12.61	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)	7.4	7.9	7.9	7.8
SPEC. COND.(UMHOS/CM)	1000	1100	1100	1000
TEMPERATURE (C)	11	11	11	10
OTHER (SPECIFY)				

COMMENTS/CALCULATIONS

WEATHER CONDITIONS 55° OVERCAST

SAMPLE APPEARANCE CLEAR, SULFUR SMELL

Lock present? (Y)N
Riser cap present? (Y)N
Riser pipe serviceable? (Y)N
Protective casing serviceable? (Y)N
Surface grout seal functional ? (Y)N
Sampling device functional? (Y)N
Corrective action required? Y(N)

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

SAMPLER SIGNATURE Brian E Crosby DATE 12/10/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME TDS / 95-97 GW / NV

GAI PROJECT NO. 953-9103

SAMPLE ID. BAT 9614096 1017

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

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/10/17	TIME (24 HR CLOCK)	1505	ELAPSED HRS.	----
CASING VOL.(Gal.)	.23	GAL. PURGED (Gal.)	.69		
PURGING DEVICE (SEE BELOW)	C	PURGING DEVICE MATERIAL	SS	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/10/17	TIME (24 HR CLOCK)	1525	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.)	11.76
DEPTH TO WATER (REF. PT.)	10.30	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)	7.7	7.7	7.9	7.9
SPEC. COND.(UMHOS/CM)	1200	1200	1200	1200
TEMPERATURE (C)	17°	17°	16	16
OTHER (SPECIFY)				

COMMENTS/CALCULATIONS

WEATHER CONDITIONS 71° SUN

SAMPLE APPEARANCE [redacted] SULFUR SMELL, CLEAR - MILK CHOC. BROWN

Lock present? (Y/N)
Riser cap present? (Y/N)
Riser pipe serviceable? (Y/N)
Protective casing serviceable? (Y/N)
Surface grout seal functional ? (Y/N)
Sampling device functional? (Y/N)
Corrective action required? (Y/N)

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

SAMPLER SIGNATURE Brian E Conley

DATE 12/10/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME TDS / 95 97 GW4 NY

GAI PROJECT NO. 953-910 3

SAMPLE ID. BAT 891419 61017

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

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/10/17	TIME (24 HR CLOCK)	1505	ELAPSED HRS.	____
CASING VOL.(Gal.)	2.5	GAL. PURGED (Gal.)	7.5		
PURGING DEVICE (SEE BELOW)	E	PURGING DEVICE MATERIAL	SS.	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/10/17	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.)	30.95
DEPTH TO WATER (REF. PT.)	15.56	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)	7.7	7.8	7.8	7.7
SPEC. COND.(UMHOS/CM)	900	900	900	900
TEMPERATURE (C)	14°	16	16	15°
OTHER (SPECIFY)	____	____	____	____

COMMENTS/CALCULATIONS

WEATHER CONDITIONS 71° SUN

SAMPLE APPEARANCE CLEAR → SULFUR ODOR

Lock present? (Y)N

Riser cap present? (Y)N

Riser pipe serviceable? (Y)N

Protective casing serviceable? (Y)N

Surface grout seal functional ? (Y)N

Sampling device functional? (Y)N

Corrective action required? Y (N)

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

SAMPLER SIGNATURE Brian E Crosby

DATE 12/11/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME TDS / 95 97 GW / NY GAI PROJECT NO. 953-910 3

SAMPLE ID. BAT891519610 17 SOURCE CODES: RIVER OR STREAM (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/10/17	TIME (24 HR CLOCK)	1430	ELAPSED HRS.	----
CASING VOL.(Gal.)	2.42	GAL. PURGED (Gal.)	7.27		
PURGING DEVICE (SEE BELOW)	C	PURGING DEVICE MATERIAL	HDPE	DEDICATED (Y)N	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/10/17	TIME (24 HR CLOCK)	1445	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.)	34.09
DEPTH TO WATER (REF. PT.)	19.21	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)	7.8	8.0	8.0	7.7
SPEC. COND.(UMHOS/CM)	1000	1000	1000	1000
TEMPERATURE (C)	18°	14°	14°	19°
OTHER (SPECIFY)	----	----	----	----

COMMENTS/CALCULATIONS

WEATHER CONDITIONS 75° SUN

SAMPLE APPEARANCE CLEAR with particulate, smells like SULFUR

Lock present? (Y) N
Riser cap present? (Y) N
Riser pipe serviceable? (Y) N
Protective casing serviceable? (Y) N
Surface grout seal functional ? (Y) N
Sampling device functional? (Y) N
Corrective action required? Y (N)

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

SAMPLER SIGNATURE [signature] DATE 12/10/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME TOS / 95 97 GW NY

GAI PROJECT NO. 953-910 3

SAMPLE ID. BAT 961161 961015

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

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/10/15	TIME (24 HR CLOCK)	850	ELAPSED HRS.	
CASING VOL.(Gal.)	4.0	GAL. PURGED (Gal.)	12.0		
PURGING DEVICE (SEE BELOW)	C	PURGING DEVICE MATERIAL	SS	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	961015	TIME (24 HR CLOCK)	0915	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.)	31.34
DEPTH TO WATER (REF. PT.)	7.93	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)	7.4	7.9	7.9	7.5
SPEC. COND.(UMHOS/CM)	700	1200	1200	1200
TEMPERATURE (C)	12°	15° C	15° C	15°
OTHER (SPECIFY)				

COMMENTS/CALCULATIONS

WEATHER CONDITIONS 38° SUN

SAMPLE APPEARANCE Clear

Lock present? (Y) N

Riser cap present? (Y) N

Riser pipe serviceable? (Y) N

Protective casing serviceable? (Y) N

Surface grout seal functional ? (Y) N

Sampling device functional? (Y) N

Corrective action required? Y (N)

MS/MSD TAKEN

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

SAMPLER SIGNATURE Brian E Crosby DATE 12/10/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME: TOS / 95 97 GW NY

GAI PROJECT NO.: 953-910 3

SAMPLE ID.: BAT 8911719610 15

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

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/07/1	TIME (24 HR CLOCK)	1017	ELAPSED HRS.	
CASING VOL.(Gal.)	47.0	GAL. PURGED (Gal.)	14.0		
PURGING DEVICE (SEE BELOW)	E	PURGING DEVICE MATERIAL	SS	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/07/1	TIME (24 HR CLOCK)	1040	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.)	37.15
DEPTH TO WATER (REF. PT.)	8.46	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)	7.5	7.6	7.6	7.7
SPEC. COND.(UMHOS/CM)	1600	1500	1800	1200
TEMPERATURE (C)	12°	10°	10°	11°
OTHER (SPECIFY)				

COMMENTS/CALCULATIONS

WEATHER CONDITIONS: 40° SUN

SAMPLE APPEARANCE: BLACK/GRAY

DUP TAKEN

Lock present? (Y) N

Riser cap present? (Y) N

Riser pipe serviceable? (Y) N

Protective casing serviceable? (Y) N

Surface grout seal functional? (Y) N

Sampling device functional? (Y) N

Corrective action required? Y (N)

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

SAMPLER SIGNATURE: Bruce E Crosby

DATE: 12/10/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME TDS / 95 97 GW4 NV

GAI PROJECT NO. 953-9103

SAMPLE ID. BAT891819 61015

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

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/10/15	TIME (24 HR CLOCK)	1050	ELAPSED HRS.	____
CASING VOL.(Gal.)	9.16	GAL. PURGED (Gal.)	12.5		
PURGING DEVICE (SEE BELOW)	C	PURGING DEVICE MATERIAL	SS	DEDICATED (Y)N	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/10/15	TIME (24 HR CLOCK)	1115	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.)	45.05
DEPTH TO WATER (REF. PT.)	14.50	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)	7.7	7.6	7.6	7.5
SPEC. COND.(UMHOS/CM)	1100	1100	1100	1000
TEMPERATURE (C)	16°	8°	8°	9°
OTHER (SPECIFY)	____	____	____	____

COMMENTS/CALCULATIONS

WEATHER CONDITIONS 44° SUN.

SAMPLE APPEARANCE Clear Sulfur Smell

Lock present? (Y)N

Riser cap present? (Y)N

Riser pipe serviceable? (Y)N

Protective casing serviceable? (Y)N

Surface grout seal functional ? (Y)N

Sampling device functional? (Y)N

Corrective action required? Y(N)

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

SAMPLER SIGNATURE Brian E Crosby DATE 12/10/96

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME TOS / 95 97 GW4 NY

GAI PROJECT NO. 953-910 3

SAMPLE ID. BAT 9302 / 961016

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

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	961016	TIME (24 HR CLOCK)	1100	ELAPSED HRS.	----
CASING VOL.(Gal.)	2.83	GAL. PURGED (Gal.)	8.49		
PURGING DEVICE (SEE BELOW)	E	PURGING DEVICE MATERIAL	SS.	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	961016	TIME (24 HR CLOCK)	1125	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.)	37.27
DEPTH TO WATER (REF. PT.)	19.88	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	8.2	8.2	7.9
SPEC. COND.(UMHOS/CM)	700	800	800	700
TEMPERATURE (C)	12°	12°	12°	12°
OTHER (SPECIFY)	----	----	----	----

COMMENTS/CALCULATIONS

WEATHER CONDITIONS 67° SUN

SAMPLE APPEARANCE Clear, Sulfide Smell

Lock present? (Y) N

Riser cap present? (Y) N

Riser pipe serviceable? (Y) N

Protective casing serviceable? (Y) N

Surface grout seal functional? (Y) N

Sampling device functional? (Y) N

Corrective action required? Y (N)

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

SAMPLER SIGNATURE Brian E Crosby

DATE 12/10/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME TDS / 95 97 GW4 NY GAI PROJECT NO. 953-910 3

SAMPLE ID. BAT 9303196101B SOURCE CODES: RIVER OR STREAM (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/10/18	TIME (24 HR CLOCK)	845	ELAPSED HRS.	----
CASING VOL.(Gal.)	5.34	GAL. PURGED (Gal.)	16.0		
PURGING DEVICE (SEE BELOW)	C	PURGING DEVICE MATERIAL	PE	DEDICATED (Y)N	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/10/18	TIME (24 HR CLOCK)	0920	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.)	46.58
DEPTH TO WATER (REF. PT.)	13.81	STICKUP (FT.)	----
GW. ELEV.(FT. MSL.)	----	WELL DIAMETER (INCHES)	2.00

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial purge	Final purge	Initial Sample	Final Simple
pH (STD)	8.7	8.1	8.1	7.7
SPEC. COND.(UMHOS/CM)	1600	1000	1000	1000
TEMPERATURE (C)	10°	11	11	12°
OTHER (SPECIFY)	----	----	----	----

COMMENTS/CALCULATIONS

WEATHER CONDITIONS 59° SUN

SAMPLE APPEARANCE CLEAR SULFUR ODOR

Lock present? (Y)N
Riser cap present? (Y)N
Riser pipe serviceable? (Y)N
Protective casing serviceable? (Y)N
Surface grout seal functional? (Y)N
Sampling device functional? (Y)N
Corrective action required? Y(N)

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

SAMPLER SIGNATURE Brian E Crosby DATE 12/10/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME TOS / 95976L4 NY

GAI PROJECT NO. 953-9103

SAMPLE ID. BAT 9602 961215

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

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/12/15	TIME (24 HR CLOCK)	1320	ELAPSED HRS.	----
CASING VOL.(Gal.)	5.4	GAL. PURGED (Gal.)	76.2		
PURGING DEVICE (SEE BELOW)	E	PURGING DEVICE MATERIAL	SS	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/12/15	TIME (24 HR CLOCK)	1350	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.)	42.82
DEPTH TO WATER (REF. PT.)	9.66	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)	7.7	7.1	7.9	7.4
SPEC. COND.(UMHOS/CM)	1500	1400	1400	1100
TEMPERATURE (C)	11	11	11	10°
OTHER (SPECIFY)				

COMMENTS/CALCULATIONS

WEATHER CONDITIONS 55° SUN

SAMPLE APPEARANCE Clear Sulfur smell

DUP TAKEN

Lock present? (Y) N

Riser cap present? (Y) N

Riser pipe serviceable? (Y) N

Protective casing serviceable? (Y) N

Surface grout seal functional? (Y) N

Sampling device functional? (Y) N

Corrective action required? (Y) N

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

SAMPLER SIGNATURE Brian E Crosby

DATE 12/10/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME TDS / 95 97 GW4 NY

GAI PROJECT NO. 953-9103

SAMPLE ID. BAT EW2 961016

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

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/10/16	TIME (24 HR CLOCK)	1015	ELAPSED HRS.	
CASING VOL.(Gal.)		GAL. PURGED (Gal.)	1		
PURGING DEVICE (SEE BELOW)	well pump	PURGING DEVICE MATERIAL	pe	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/10/16	TIME (24 HR CLOCK)	1020	MATRIX	H2O
SAMPLING DEVICE (SEE BELOW	well pump	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.)		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	8.1	8.1
SPEC. COND.(UMHOS/CM)	800	800	800	800
TEMPERATURE (C)	13°	13°	13°	13°
OTHER (SPECIFY)				

COMMENTS/CALCULATIONS

WEATHER CONDITIONS 60° SUN

SAMPLE APPEARANCE CLEAR - SLIGHT SHEEN

Lock present? (Y)N

Riser cap present? (Y)N

Riser pipe serviceable? (Y)N

Protective casing serviceable? (Y)N

Surface grout seal functional ? (Y)N

Sampling device functional? (Y)N

Corrective action required? Y(N)

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

SAMPLER SIGNATURE Brian E. Cosby DATE 12/10/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME TDS / 95 97 GW4 NY GAI PROJECT NO. 953-9103

SAMPLE ID. BAT EW3 961016 SOURCE CODES: RIVER OR STREAM (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/10/16	TIME (24 HR CLOCK)	1005	ELAPSED HRS.	----
CASING VOL.(Gal.)	----	GAL. PURGED (Gal.)	1		
PURGING DEVICE (SEE BELOW)	well pump	PURGING DEVICE MATERIAL	pe	DEDICATED (Y)N	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/10/16	TIME (24 HR CLOCK)	1010	MATRIX	H2O
SAMPLING DEVICE (SEE BELOW	well pump	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.)	----.--	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	7.9	7.9	7.9
SPEC. COND.(UMHOS/CM)	900	900	900	900
TEMPERATURE (C)	14°	14°	14°	14°
OTHER (SPECIFY)	----	----	----	----

COMMENTS/CALCULATIONS

WEATHER CONDITIONS 65° SUN

SAMPLE APPEARANCE CLEAR, SULFIDE SMELL

Lock present? (Y)N
Riser cap present? (Y)N
Riser pipe serviceable? (Y)N
Protective casing serviceable? (Y)N
Surface grout seal functional? (Y)N
Sampling device functional? (Y)N
Corrective action required? Y(N)

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

SAMPLER SIGNATURE Brian E Crosby DATE 12/10/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME TDS / 95 97 GW4 NY GAI PROJECT NO. 953-9103

SAMPLE ID. BATEW496/0/6 SOURCE CODES: RIVER OR STREAM (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/12/16	TIME (24 HR CLOCK)	1000	ELAPSED HRS.	
CASING VOL.(Gal.)		GAL. PURGED (Gal.)	1		
PURGING DEVICE (SEE BELOW)	well pump	PURGING DEVICE MATERIAL	pe	DEDICATED (Y)N	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/12/16	TIME (24 HR CLOCK)	1005	MATRIX	H2O
SAMPLING DEVICE (SEE BELOW	well pump	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.)		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)	7.5	7.5	7.5	7.5
SPEC. COND.(UMHOS/CM)	800	800	800	800
TEMPERATURE (C)	16°	16°	16°	16°
OTHER (SPECIFY)				

COMMENTS/CALCULATIONS

WEATHER CONDITIONS 65° SUN

SAMPLE APPEARANCE CLEAR, SLIGHT SAND

Lock present? (Y)N

Riser cap present? (Y)N

Riser pipe serviceable? (Y)N

Protective casing serviceable? (Y)N

Surface grout seal functional? (Y)N

Sampling device functional? (Y)N

Corrective action required? Y (N)

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

SAMPLER SIGNATURE Brian E Cassidy DATE 12/11/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME TOS / 95 97 GW4 NY

GAI PROJECT NO. 953-9103

SAMPLE ID. BATEWS961016

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

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/12/16	TIME (24 HR CLOCK)	0950	ELAPSED HRS.	----
CASING VOL.(Gal.)	----	GAL. PURGED (Gal.)	1		
PURGING DEVICE (SEE BELOW)	well pump	PURGING DEVICE MATERIAL	PE	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/12/16	TIME (24 HR CLOCK)	0955	MATRIX	H2O
SAMPLING DEVICE (SEE BELOW	well pump	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.)	----	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)	7.7	7.7	7.7	7.7
SPEC. COND.(UMHOS/CM)	1100	1100	1100	1100
TEMPERATURE (C)	14°	14°	14°	14°
OTHER (SPECIFY)	----	----	----	----

COMMENTS/CALCULATIONS

WEATHER CONDITIONS 65° SUN

SAMPLE APPEARANCE clear, Sulfur Smell

Lock present? (Y) N

Riser cap present? (Y) N

Riser pipe serviceable? (Y) N

Protective casing serviceable? (Y) N

Surface grout seal functional? (Y) N

Sampling device functional? (Y) N

Corrective action required? Y (N)

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

SAMPLER SIGNATURE Brian E Gosling

DATE 12/16/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME TDS / 95 97 GW4 NV

GAI PROJECT NO. 953-9103

SAMPLE ID. BAT EW6 961016

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

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/10/16	TIME (24 HR CLOCK)	0935
CASING VOL.(Gal.)	----	GAL. PURGED (Gal.)	150
PURGING DEVICE (SEE BELOW)	well pump	PURGING DEVICE MATERIAL	pe
		ELAPSED HRS.	----
		DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/10/16	TIME (24 HR CLOCK)	0940
SAMPLING DEVICE (SEE BELOW	well pump	DEDICATED (Y/N)	
SAMPLING DEVICE MATERIAL	pe	SAMPLE TYPE - (GRAB)/COMPOSITE (CIRCLE ONE)	
		MATRIX	H2O
		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	LAND ELEVATION (FT./MSL)	----
REF. PT. ELEV.(FT. MSL)	----.66	WELL DEPTH (FT.)	----.--
DEPTH TO WATER (REF. PT.)	---7.66	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	8.3	8.2
SPEC. COND.(UMHOS/CM)	700	700	700	700
TEMPERATURE (C)	12°	12°	12°	12°
OTHER (SPECIFY)				

COMMENTS/CALCULATIONS

WEATHER CONDITIONS 65° Sun

SAMPLE APPEARANCE Clear, Slt fine Sed

Lock present? (Y) N

Riser cap present? (Y) N

Riser pipe serviceable? (Y) N

Protective casing serviceable? (Y) N

Surface grout seal functional ? (Y) N

Sampling device functional? (Y) N

Corrective action required? Y (N)

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

SAMPLER SIGNATURE Brian E Cinty

DATE 12/10/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME TDS / 95 97 GW4 NV

GAI PROJECT NO. 953-9103

SAMPLE ID. BAT BW7961018

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

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/10/18	TIME (24 HR CLOCK)	----	ELAPSED HRS.	---
CASING VOL.(Gal.)	---	GAL. PURGED (Gal.)	1		
PURGING DEVICE (SEE BELOW)	well pump	PURGING DEVICE MATERIAL	Nape	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/10/18	TIME (24 HR CLOCK)	----	MATRIX	H2O
SAMPLING DEVICE (SEE BELOW	well pump	DEDICATED (Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	~~WEST~~ Nape	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)	8.0	----	----	7.8
SPEC. COND.(UMHOS/CM)	900	----	----	900
TEMPERATURE (C)	15°	----	----	16°
OTHER (SPECIFY)	---	---	---	---

COMMENTS/CALCULATIONS

WEATHER CONDITIONS 60° SUN

SAMPLE APPEARANCE CLEAR, SULFUR SMELL

Lock present? (Y) N
Riser cap present? (Y) N
Riser pipe serviceable? (Y) N
Protective casing serviceable? (Y) N
Surface grout seal functional? (Y) N
Sampling device functional? (Y) N
Corrective action required? Y (N)

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

SAMPLER SIGNATURE Brian E Crosby DATE 12/16/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME TDS / 95976W4 NV

GAI PROJECT NO. 953-9103

SAMPLE ID. BAT EVV 961018

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

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/10/18	TIME (24 HR CLOCK)	----	ELAPSED HRS.	----
CASING VOL.(Gal.)	----	GAL. PURGED (Gal.)	1		
PURGING DEVICE (SEE BELOW)	Well pump	PURGING DEVICE MATERIAL	HDPE	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/10/18	TIME (24 HR CLOCK)	----	MATRIX	H2O
SAMPLING DEVICE (SEE BELOW	well pump	DEDICATED (Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	HDPE	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)	7.9	----	----	7.7
SPEC. COND.(UMHOS/CM)	900	----	----	900
TEMPERATURE (C)	17°	----	----	16°
OTHER (SPECIFY)	----	----	----	----

COMMENTS/CALCULATIONS

WEATHER CONDITIONS 60° SUN

SAMPLE APPEARANCE CLEAR, SOMEWHAT SMELLY

Lock present? (Y)N

Riser cap present? (Y)N

Riser pipe serviceable? (Y)N

Protective casing serviceable? (Y)N

Surface grout seal functional ? (Y)N

Sampling device functional? (Y)N

Corrective action required? Y(N)

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

SAMPLER SIGNATURE Brian E Cooley

DATE 12/10/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME TDS / 95 97 GW NY

GAI PROJECT NO. 953-910 3

SAMPLE ID. BATDW9 961018

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

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/10/18	TIME (24 HR CLOCK)	ELAPSED HRS.
CASING VOL.(Gal.)		GAL. PURGED (Gal.)	1
PURGING DEVICE (SEE BELOW)	well pump	PURGING DEVICE MATERIAL	HDPE DEDICATED (Y/N)

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/10/18	TIME (24 HR CLOCK)	MATRIX H2O
SAMPLING DEVICE (SEE BELOW	well pump	DEDICATED (Y/N)	FILTERED (Y/N)
SAMPLING DEVICE MATERIAL	HDPE	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)	8.0	7.7		7.7
SPEC. COND.(UMHOS/CM)	1100	1000		1000
TEMPERATURE (C)	13°			13°
OTHER (SPECIFY)				

COMMENTS/CALCULATIONS

WEATHER CONDITIONS 58° SN

SAMPLE APPEARANCE Clear, Sulfur Smell

Lock present? (Y) N
Riser cap present? (Y) N
Riser pipe serviceable? (Y) N
Protective casing serviceable? (Y) N
Surface grout seal functional? (Y) N
Sampling device functional? (Y) N
Corrective action required? Y (N)

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

SAMPLER SIGNATURE Brian E Gridley

DATE 12/16/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME TDS 95-97 GW NV GAI PROJECT NO. 953-910 3

SAMPLE ID. BATDW109610 18 SOURCE CODES: RIVER OR STREAM (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/10/18	TIME (24 HR CLOCK)	1	ELAPSED HRS.	
CASING VOL.(Gal.)		GAL. PURGED (Gal.)			
PURGING DEVICE (SEE BELOW)	well pump	PURGING DEVICE MATERIAL	Hope	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/10/18	TIME (24 HR CLOCK)		MATRIX	H2O
SAMPLING DEVICE (SEE BELOW	well pump	DEDICATED (Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	Hope	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)	8.1			7.9
SPEC. COND.(UMHOS/CM)	706			>200
TEMPERATURE (C)	15°			15°
OTHER (SPECIFY)				

COMMENTS/CALCULATIONS

WEATHER CONDITIONS 59° SUN

SAMPLE APPEARANCE Clear, BAD smell

Lock present? (Y) N
Riser cap present? (Y) N
Riser pipe serviceable? (Y) N
Protective casing serviceable? (Y) N
Surface grout seal functional ? (Y) N
Sampling device functional? (Y) N
Corrective action required? Y (N)

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

SAMPLER SIGNATURE Brian E Crosby DATE 12/10/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME TDS / 95 97 GW NY GAI PROJECT NO. 953-9103

SAMPLE ID. BAT DW11961018 SOURCE CODES: RIVER OR STREAM (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/10/18	TIME (24 HR CLOCK)	----	ELAPSED HRS.	----
CASING VOL.(Gal.)	---	GAL. PURGED (Gal.)	--1--		
PURGING DEVICE (SEE BELOW)	Well pump	PURGING DEVICE MATERIAL	HDPE	DEDICATED (Y)N	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/10/18	TIME (24 HR CLOCK)	----	MATRIX	H2O
SAMPLING DEVICE (SEE BELOW)	HDPE	DEDICATED-(Y)/N)		FILTERED (Y/(N))	
SAMPLING DEVICE MATERIAL	Well pump	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)	8.3	-----	-----	8.0
SPEC. COND.(UMHOS/CM)	900	-----	-----	800
TEMPERATURE (C)	15°	-----	-----	15°
OTHER (SPECIFY)	-----	-----	-----	-----

COMMENTS/CALCULATIONS

WEATHER CONDITIONS 58° GW

SAMPLE APPEARANCE Clear, Sulfur Smell

Lock present? (Y) N
Riser cap present? (Y) N
Riser pipe serviceable? (Y) N
Protective casing serviceable? (Y) N
Surface grout seal functional ? (Y) N
Sampling device functional? (Y) N
Corrective action required? Y (N)

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

SAMPLER SIGNATURE Brian E Cooley DATE 12/10/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME: TDS / 95 97 GW NV GAI PROJECT NO.: 953-910 3

SAMPLE ID.: BAT DW 12 961018 SOURCE CODES: RIVER OR STREAM (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	96/10/18	TIME (24 HR CLOCK)	840	ELAPSED HRS.	
CASING VOL.(Gal.)		GAL. PURGED (Gal.)	1		
PURGING DEVICE (SEE BELOW)	well pump	PURGING DEVICE MATERIAL	HDPE	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	96/10/18	TIME (24 HR CLOCK)	845	MATRIX	H2O
SAMPLING DEVICE (SEE BELOW	well pump	DEDICATED (Y/N)		FILTERED (Y/N)	
SAMPLING DEVICE MATERIAL	HDPE	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)	8.16			8.16
SPEC. COND.(UMHOS/CM)	900			900
TEMPERATURE (C)	16			16
OTHER (SPECIFY)				

COMMENTS/CALCULATIONS

WEATHER CONDITIONS: 58° SUN

SAMPLE APPEARANCE: Clear Sulfur smell

Lock present? (Y) N
Riser cap present? (Y) N
Riser pipe serviceable? (Y) N
Protective casing serviceable? (Y) N
Surface grout seal functional? (Y) N
Sampling device functional? (Y) N
Corrective action required? Y (N)

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

SAMPLER SIGNATURE: Brian E. Easley DATE: 12/10/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME TDS / 95 97 GW4 NY

GAI PROJECT NO. 953-9103

SAMPLE ID. BAT BS0961016

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

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	961016	TIME (24 HR CLOCK)	1305	ELAPSED HRS.	----
CASING VOL.(Gal.)	1.13	GAL. PURGED (Gal.)	3.4		
PURGING DEVICE (SEE BELOW)	C	PURGING DEVICE MATERIAL	Hope	DEDICATED (Y/N)	

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	961016	TIME (24 HR CLOCK)	1320	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.)	18.11
DEPTH TO WATER (REF. PT.)	11.16	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)	8.3	8.4	8.4	8.2
SPEC. COND.(UMHOS/CM)	700	600	600	640
TEMPERATURE (C)	18°	17	17	14°
OTHER (SPECIFY)	----	----	----	----

COMMENTS/CALCULATIONS

WEATHER CONDITIONS 74° SUN

SAMPLE APPEARANCE [redacted], Sulfur Smell, Highly Turbid Gray

Lock present? (Y) N

Riser cap present? (Y) N

Riser pipe serviceable? (Y) N

Protective casing serviceable? (Y) N

Surface grout seal functional ? (Y) N

Sampling device functional? (Y) N

Corrective action required? Y (N)

Field Blank collected here

FB961016

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

SAMPLER SIGNATURE Brian E. Crosby

DATE 12/10/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME: TDS, 95-97 GW, NY

GAI PROJECT NO.: 953-9103

SAMPLE ID.: BAT B141961016

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

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd): 96/10/16

CASING VOL.(Gal.): 9.2

PURGING DEVICE (SEE BELOW): C

TIME (24 HR CLOCK): 1455

GAL. PURGED (Gal.): 30

PURGING DEVICE MATERIAL: HDPE

ELAPSED HRS.: ---

DEDICATED (Y/N): (Y)

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd): 96/10/16

SAMPLING DEVICE (SEE BELOW): C

SAMPLING DEVICE MATERIAL: SS

TIME (24 HR CLOCK): 1500

DEDICATED (Y/N): (Y)

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

MATRIX: H_2O

FILTERED (Y/N): (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.): 17.02

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

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

WELL DEPTH (FT.): 26.64

STICKUP (FT.): ---

WELL DIAMETER (INCHES): 2.00

FIELD MEASURMENTS (FOUR REPLICATES)

	Initial purge	Final purge	Initial Sample	Final sample
pH (STD)	7.7	7.6	7.6	7.4
SPEC. COND.(UMHOS/CM)	1100	1100	1100	1100
TEMPERATURE (C)	18°	16	16	14°
OTHER (SPECIFY)	---	---	---	---

COMMENTS/CALCULATIONS

WEATHER CONDITIONS: 75° SUN

SAMPLE APPEARANCE: Clear, sulfur smell

Lock present? (Y)/N
Riser cap present? (Y)/N
Riser pipe serviceable? (Y)/N
Protective casing serviceable? (Y)/N
Surface grout seal functional? (Y)/N
Sampling device functional? (Y)/N
Corrective action required? Y/(N)

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

SAMPLER SIGNATURE: Brian E Crosby

DATE: 12/10/96

Golder Associates

SAMPLE COLLECTION INFORMATION FORM

GAI PROJECT NAME TOS / 95976W4 NY GAI PROJECT NO. 953-910 3

SAMPLE ID. BAT SW 891961017 SOURCE CODES: RIVER OR STREAM (WELL) SOIL, OTHER (CIRCLE ONE)

PURGING INFORMATION (IF APPLICABLE)

PURGE DATE (yy/mm/dd)	961031 17	TIME (24 HR CLOCK)	ELAPSED HRS.
CASING VOL.(Gal.)		GAL. PURGED (Gal.)	
PURGING DEVICE (SEE BELOW)		PURGING DEVICE MATERIAL	DEDICATED (Y/N)

SAMPLE COLLECTION INFORMATION

SAMPLING DATE (yy/mm/dd)	961031 17	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.)	
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)				
SPEC. COND.(UMHOS/CM)				
TEMPERATURE (C)				
OTHER (SPECIFY)				

COMMENTS/CALCULATIONS

WEATHER CONDITIONS

SAMPLE APPEARANCE

Lock present? (Y) N
Riser cap present? (Y) N
Riser pipe serviceable? (Y) N
Protective casing serviceable? (Y) N
Surface grout seal functional? (Y) N
Sampling device functional? (Y) N
Corrective action required? Y (N)

DRY

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

SAMPLER SIGNATURE Brian E Cooley DATE 12/10/96

APPENDIX B

CHAIN-OF-CUSTODY FORMS

T385

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CHAIN OF CUSTODY RECORD

CUSTOMER CODE # ____

PROJECT NO./ NAME	CLIENT NAME	SAMPLE SITE	SAMPLER'S SIGNATURE
95?.9103.1	Golden Associates	Bell Aerospace Textron	[signature]

SAMPLE NO.	SAMPLING DATE	SAMPLING TIME	ORIGIN/SOURCE	# OF CONTAINERS	DESCRIPTION COMP	DESCRIPTION GRAB	DESCRIPTION OTHER	ANALYSES/TESTS REQUESTED
1	10/15/96	0840	BAT 8904196 1015	34527		X		8240
2	10/15/96	0840	BAT 8904196 1015 MS	34528		X		8240
3	10/15/96	0840	BAT 8904196 1015 MSD	34529		X		8240
4	10/15/96	0915	BAT 8916196 1015	34530		X		8260
5	10/15/96	0915	BAT 8916196 1015 MS	34531		X		8260
6	10/15/96	0915	BAT 8916196 1015 MSD	34532		X		8260
7	10/15/96	1040	BAT 8917196 1015	34533		X		8260
8	10/15/96	1040	BAT 8917196 1015 DUP	34534		X		8260

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	RELINQUISHED BY	DATE/TIME
SIGNATURE [signature] PRINT K Nussbaum	10/15/96 1720	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	10/16/96 11:15

REMARKS

FRIEND LABORATORY, INC.
ONE RESEARCH CIRCLE • WAVERLY, NEW YORK 14892
PHONE (607) 565-3500 • FAX (607) 565-4083

Page ___ of ___

CHAIN OF CUSTODY RECORD

CUSTOMER CODE # ______

PROJECT NO./ NAME	CLIENT NAME	SAMPLE SITE	SAMPLER'S SIGNATURE
952, 9103.1	Golden Associates	Bell Aerospace Textron	[signature]

SAMPLE NO.	SAMPLING DATE	SAMPLING TIME	ORIGIN/SOURCE	# OF CONTAINERS	COMP	GRAB	OTHER	ANALYSES/TESTS REQUESTED
9	10/15/96	1115	BAT89181 961015	34535		X		8260
10	10/15/96	1200	BAT89061 961015	34536		X		8260
11	10/15/96	1350	BAT94021 961015 ~~BAT94021 96~~	34537		X		8240
12	10/15/96	1350	BAT94021 961015 DUP	34538		X		8240
13	10/15/96	1430	BAT87191 961015	34539		X		8260
14	10/15/96	1455	BAT89031 961015	34540		X		8260
15	10/15/96	1555	BAT87211 961015	34541		X		8240
16	10/15/96	1555	BAT87211 961015 DUP	34542		X		8240

RELINQUISHED BY SIGNATURE PRINT	DATE/TIME	RECEIVED BY SIGNATURE PRINT	DATE/TIME	RELINQUISHED BY SIGNATURE PRINT	DATE/TIME
[signature] K. Nossaugh	10/15/96 1720				
RECEIVED BY SIGNATURE PRINT	**DATE/TIME**	**RELINQUISHED BY SIGNATURE PRINT**	**DATE/TIME**	**RECEIVED AT LAB BY SIGNATURE PRINT**	**DATE/TIME**
				SIGNATURE Debbie McCarty PRINT Debbie McCarty	10/16/96 11:15

REMARKS

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Page ___ of ___ | CHAIN OF CUSTODY RECORD | CUSTOMER CODE #

PROJECT NO./ NAME	CLIENT NAME	SAMPLE SITE	SAMPLER'S SIGNATURE
95-9103.1	Golder Associates	Bell Aerospace Textron	

SAMPLE NO.	SAMPLING DATE	SAMPLING TIME	ORIGIN/SOURCE	# OF CONTAINERS	DESCRIPTION COMP	DESCRIPTION GRAB	DESCRIPTION OTHER	ANALYSES/TESTS REQUESTED
17	10/15/96	1630	BAT 8722196 1015	34543		X		8240
18	10/15/96	1630	BAT 8722196 1015 MS	34544		X		8240
19	10/15/96	1630	BAT 8722196 1015 MSD	34545		X		8240
20	10/15/96	—	Trip Blank 10/15/96 95-045-53	34546			X	8260

RELINQUISHED BY SIGNATURE / PRINT	DATE/TIME	RECEIVED BY SIGNATURE / PRINT	DATE/TIME	RELINQUISHED BY SIGNATURE / PRINT	DATE/TIME
K. Nossaugh	10/15 96 1720				
RECEIVED BY SIGNATURE / PRINT	DATE/TIME	RELINQUISHED BY SIGNATURE / PRINT	DATE/TIME	RECEIVED AT LAB BY SIGNATURE / PRINT	DATE/TIME
				Debbie McCarty / Debbie McCarty	10/16/96 1115

REMARKS

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Page 1 of 3

CHAIN OF CUSTODY RECORD

CUSTOMER CODE #

PROJECT NO./ NAME	CLIENT NAME	SAMPLE SITE	SAMPLER'S SIGNATURE
95-9103.1	Golden Associates	Bell Aerospace Textron	

SAMPLE NO.	SAMPLING DATE	SAMPLING TIME	ORIGIN/SOURCE	# OF CONTAINERS	DESCRIPTION COMP GRAB OTHER	ANALYSES/TESTS REQUESTED
1	10/16/96	0920	BAT 9303 1961016	3	34662	8240
2	10/16/96	0940	BAT EW6 961016	3	34663	8240
3	10/16/96	0955	BAT EW5 961016	3	34664	8240
4	10/16/96	1005	BAT EW4 961016	3	34665	8240
5	10/16/96	1010	BAT EW3 961016	3	34666	8240
6	10/16/96	1020	BAT EW2 961016	3	34667	8240
7	10/16/96	1125 BEC	BAT 9302 1961016	3	34668	8240
8	10/16/96	1305	BAT BE0 961016	3	34669	~~8240~~ 8260 BEC

RELINQUISHED BY SIGNATURE PRINT	DATE/TIME	RECEIVED BY SIGNATURE PRINT	DATE/TIME	RELINQUISHED BY SIGNATURE PRINT	DATE/TIME
	10/16/96 1626				
RECEIVED BY SIGNATURE PRINT	DATE/TIME	RELINQUISHED BY SIGNATURE PRINT	DATE/TIME	RECEIVED AT LAB BY SIGNATURE Tracy Cole PRINT Tracy Cole	DATE/TIME 10/17/96 11:29

REMARKS

FRIEND LABORATORY, INC.
ONE RESEARCH CIRCLE • WAVERLY, NEW YORK 14892
PHONE (607) 565-3500 • FAX (607) 565-4083

CHAIN OF CUSTODY RECORD

CUSTOMER CODE #

PROJECT NO./ NAME	CLIENT NAME	SAMPLE SITE	SAMPLER'S SIGNATURE
952-9103.1	Golden Associates	Bell Aerospace Textron	[signature]

SAMPLE NO.	SAMPLING DATE	SAMPLING TIME	ORIGIN/SOURCE	# OF CONTAINERS	DESCRIPTION COMP GRAB OTHER	ANALYSES/TESTS REQUESTED
9	10/16/96	1330	BAT FB961016	3	34670	8260
10	10/16/96	1345	BAT87081961016	3	34671	8240
11	10/16/96	1345	BATFB2961016	3	34672	8240
12	10/16/96	1415	BAT87171961016	3	34673	8240
13	10/16/96	1440	BAT87041961016	3	34674	8240
14	10/16/96	1500	BATB141961016	3	34675	8240
15	10/16/96	1440	BATFB3961016	3	34676	8240
16	10/16/96	1535	BAT87100961016	3	34677	8260

RELINQUISHED BY SIGNATURE PRINT	DATE/TIME	RECEIVED BY SIGNATURE PRINT	DATE/TIME	RELINQUISHED BY SIGNATURE PRINT	DATE/TIME
[signature] K. N[illegible]	10/16/96 1628				

RECEIVED BY SIGNATURE PRINT	DATE/TIME	RELINQUISHED BY SIGNATURE PRINT	DATE/TIME	RECEIVED AT LAB BY SIGNATURE PRINT	DATE/TIME
				Tracy Cole / Tracy Cole	10/17/96 11:29

REMARKS

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CHAIN OF CUSTODY RECORD

CUSTOMER CODE #

PROJECT NO./ NAME	CLIENT NAME	SAMPLE SITE	SAMPLER'S SIGNATURE
95-9103.1	Golder Associates	Bell Aerospace Textron	

SAMPLE NO.	SAMPLING DATE	SAMPLING TIME	ORIGIN/SOURCE	# OF CONTAINERS	DESCRIPTION COMP	DESCRIPTION GRAB	DESCRIPTION OTHER	ANALYSES/TESTS REQUESTED
17	10/16/96	1600	BAT 872309610 16	3		34678		8260
18	10/16/96	—	95-045-53 TRIP BLANK 96016	2		34679		8260

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	RELINQUISHED BY	DATE/TIME
SIGNATURE [signature]	10/16/96 1628	SIGNATURE		SIGNATURE	
PRINT K. Nosbaugh		PRINT		PRINT	
RECEIVED BY	**DATE/TIME**	**RELINQUISHED BY**	**DATE/TIME**	**RECEIVED AT LAB BY**	**DATE/TIME**
SIGNATURE		SIGNATURE		SIGNATURE Tracy Cole	10/17/96 11:29
PRINT		PRINT		PRINT Tracy Cole	

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CHAIN OF CUSTODY RECORD

CUSTOMER CODE #

PROJECT NO./ NAME	CLIENT NAME	SAMPLE SITE	SAMPLER'S SIGNATURE
95-9103.1	Golder Associates	Bell Aerospace Textron	

SAMPLE NO.	SAMPLING DATE	SAMPLING TIME	ORIGIN/SOURCE	# OF CONTAINERS	DESCRIPTION COMP	DESCRIPTION GRAB	DESCRIPTION OTHER	ANALYSES/TESTS REQUESTED
9	10/17/96	1140	BAT87201961017	34828		X		8240
10	10/17/96	1250	BAT87010961017	34829		X		8260
11	10/17/96	1255	BAT87011961017	34830		X		8240
12	10/17/96	1330	BAT87181961017	34831		X		8240
13	10/17/96	1400	BAT87021961017	34832		X		8240
14	10/14/96	1435	BAT87023961017	34833		X		8260
15	10/17/96	1530	BAT89141961017	34834		X		8240
16	~~10/16/96~~ 10/17/96	1525	BAT89140961017	34835		X		8260

RELINQUISHED BY SIGNATURE / PRINT	DATE/TIME	RECEIVED BY SIGNATURE / PRINT	DATE/TIME	RELINQUISHED BY SIGNATURE / PRINT	DATE/TIME
Ken Nostrant	10/17/96 1610				
RECEIVED BY SIGNATURE / PRINT	DATE/TIME	RELINQUISHED BY SIGNATURE / PRINT	DATE/TIME	RECEIVED AT LAB BY SIGNATURE / PRINT	DATE/TIME
				Debbie McCarty / Debbie McCarty	10/18/96 1:12

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CHAIN OF CUSTODY RECORD

CUSTOMER CODE #

PROJECT NO./ NAME	CLIENT NAME	SAMPLE SITE	SAMPLER'S SIGNATURE
95-9103.1	Golder Associates	Bell Aerospace Textron	

SAMPLE NO.	SAMPLING DATE	SAMPLING TIME	ORIGIN/SOURCE	# OF CONTAINERS	DESCRIPTION COMP	DESCRIPTION GRAB	DESCRIPTION OTHER	ANALYSES/TESTS REQUESTED
1	10/17/96	0825	BAT8907 1B961017	34836		X		8260
2	10/17/96	0840	BAT8907 1A961017	34837		X		8260
3	10/17/96	0940	BAT8905 1A 961017	34838		X		8240
4	10/17/96	0930	BAT8905 1B961017	34839		X		8240
5	10/17/96	1050	BAT8902 1 961017	34840		X		8260
6	10/17/96	1115	BAT8902 3 961017	34841		X		8260
7	10/17/96	1100	BAT8712 1 961017	34842		X		8240
8	10/17/96	1135	BAT8720 0 961017	34843		X		8260

RELINQUISHED BY SIGNATURE / PRINT	DATE/TIME	RECEIVED BY SIGNATURE / PRINT	DATE/TIME	RELINQUISHED BY SIGNATURE / PRINT	DATE/TIME
[signature] / [illegible]	10/17/96 16:10				
RECEIVED BY SIGNATURE / PRINT	DATE/TIME	RELINQUISHED BY SIGNATURE / PRINT	DATE/TIME	RECEIVED AT LAB BY SIGNATURE Debbie McCarty / PRINT Debbie McCarty	DATE/TIME 10/18/96 1:10

REMARKS

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CHAIN OF CUSTODY RECORD

CUSTOMER CODE # ____

PROJECT NO./ NAME	CLIENT NAME	SAMPLE SITE	SAMPLER'S SIGNATURE
953.9103.1	Golden Associates	Bell Aerospace Textron	

SAMPLE NO.	SAMPLING DATE	SAMPLING TIME	ORIGIN/SOURCE	# OF CONTAINERS	DESCRIPTION COMP	DESCRIPTION GRAB	DESCRIPTION OTHER	ANALYSES/TESTS REQUESTED
17	10/17/96	1445	BAT8915196 1017	34844		X		8240
18	10/17/96	—	Trip Blank 10/17/96 95-045-53-16	34645		X		8260

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	RELINQUISHED BY	DATE/TIME
SIGNATURE [signature] PRINT [illegible]	10/17/96 1640	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	10/18/96 1:12

REMARKS

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PROJECT NO./ NAME	CLIENT NAME	SAMPLE SITE	SAMPLER'S SIGNATURE
95-9103.1	Golden Associates	Bell Aerospace Textron	

SAMPLE NO.	SAMPLING DATE	SAMPLING TIME	ORIGIN/SOURCE	# OF CONTAINERS	DESCRIPTION COMP	DESCRIPTION GRAB	DESCRIPTION OTHER	ANALYSES/TESTS REQUESTED
1	10/18/96	0840	BAT DW 12 961018	3			35036	8240
2	10/18/96	0920	BAT DW 11 961018	2			35037	8240
3	10/18/96	1005	BAT DW 9 961018	2 1			35038	8240
4	10/18/96	1030	BAT DW 10 961018	2 1			35039	8240
5	10/18/96	1050	BAT EW 7 961018	2			35040	8240
6	10/18/96	1105	BAT EW 8 961018	2			35041	8240
7	10/18/96	1145	BAT 87133 961018	3			35042	8260
8	10/18/96	1120	BAT 87140 961018	2			35043	BCG 8260
9	10/18/96	—	TB/TRIP BLANK 961018 95-095-53	2			35044	8260

RELINQUISHED BY SIGNATURE / PRINT	DATE/TIME	RECEIVED BY SIGNATURE / PRINT	DATE/TIME	RELINQUISHED BY SIGNATURE / PRINT	DATE/TIME
Ken Nosanagle	10/18/96 1641				
RECEIVED BY SIGNATURE / PRINT	DATE/TIME	RELINQUISHED BY SIGNATURE / PRINT	DATE/TIME	RECEIVED AT LAB BY SIGNATURE / PRINT	DATE/TIME
				Tracy Cole / Trac	10/23/96 11:52

REMARKS: One vial from DW9 or DW10 were received broken.

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Resample

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GOLDER ASSOCIATES CHAIN OF CUSTODY RECORD

PROJECT NO./NAME	CLIENT NAME	SAMPLE SITE	SAMPLER'S SIGNATURE
953-9103.1	Golder Associates Inc.	Bell Aerospace Textron	Brian E Crosby

SAMPLE NO.	SAMPLING DATE	SAMPLING TIME	ORIGIN/SOURCE	# OF CONTAINERS	DESCRIPTION COMP	DESCRIPTION GRAB	DESCRIPTION OTHER	ANALYSES/TESTS REQUESTED
1	11/5/96	1415	BAT89021961105	3		X		~~8240~~ 91 8260 - ~~42~~ per Randy
						35906		
2	11/5/96	1440	BAT89023961105	3		X		8260 - 91
						35907		

RELINQUISHED BY	DATE/TIME	RELINQUISHED BY	DATE/TIME	RELINQUISHED BY	DATE/TIME
SIGNATURE Brian E Crosby PRINT BRIAN E CROSBY	11/5/96 1540	SIGNATURE PRINT		SIGNATURE PRINT	
RECEIVED BY	**DATE/TIME**	**RECEIVED BY**	**DATE/TIME**	**RECEIVED BY**	**DATE/TIME**
SIGNATURE PRINT		SIGNATURE PRINT		SIGNATURE Tracy Cole PRINT Tracy Cole	11/6/96 11:30

REMARKS

Golder Associates