INSTALLATION RESTORATION PROGRAM
TWIN CITIES ARMY AMMUNITION PLANT

FISCAL YEAR 1995 ANNUAL MONITORING REPORT

Distribution is limited to
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protection of privileged information.
Other requests for the documents
must be referred to:

Commander
Twin Cities Army Ammunition Plant
4700 Highway 10, Suite A
Arden Hills, Minnesota
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Prepared for:

Commander
Twin Cities Army Ammunition Plant
4700 Highway 10, Suite A
ATTN: SIOTC-CO
Arden Hills, Minnesota 55112-3928

OCTOBER 1996
FINAL REPORT

U.S. ARMY CORPS OF ENGINEERS
SVERDRUP ENVIRONMENTAL, INC.
WENCK ASSOCIATES, INC.

ALLIANT TECHSYSTEMS, INC.
CONESTOGA-ROVERS & ASSOCIATES, LTD.

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OCTOBER 1996
FINAL REPORT

Minnesota Pollution Control Agency

October 1, 1996

Mr. Martin McCleery
Remedial Project Manager
Twin Cities Army Ammunition Plant
4700 Highway 10, Suite A
Arden Hills, Minnesota 55112-3928

RE: Consistency Test for the Fiscal Year 1995 Annual Monitoring Report/Fiscal Year 1997 Annual Monitoring Plan for the Twin Cities Army Ammunition Plant, Final Report, August 1996

Dear Mr. McCleery:

Staff at the Minnesota Pollution Control Agency (MPCA) and the U.S. Environmental Protection Agency (U.S. EPA) Agency have reviewed the above-referenced document. The final report was prepared in response to comments on the draft report submitted by U.S. EPA on May 24, 1996, and by MPCA on May 31, 1996, and June 18, 1996. We have also reviewed the redlined revisions dated July 19, 1996, and September 25, 1996. These have incorporated the agencies' comments on the draft report as well as revisions discussed in the July 9, 1996, comments resolution meeting, during the July 17, 1996, conference call and subsequent telephone calls. The agencies have also received and reviewed copies of the minutes of the July 9 meeting and the July 17 conference call.

Please be advised that the correspondence from Michael Fix to Dagmar Romano dated July 19, 1996, regarding flow rates to maintain capture of the Site A plume, still requires regulatory review and will be addressed under separate correspondence.

You are hereby advised that, in accordance with Chapter XIV of the Federal Facility Agreement, the Fiscal Year 1995 Annual Monitoring Report/ Fiscal Year 1997 Annual Monitoring Plan for the Twin Cities Army Ammunition Plant passes the Consistency Test.

If there are any questions or you require additional information, please contact Dagmar Romano at (612) 296-7776 or Tom Barounis at (312) 353-5577.

Sincerely

Dagmar Romano
Project Manager
Site Response Section
Ground Water and Solid Waste Division

for

Tom Barounis
Remedial Project Manager
U.S. Environmental Protection Agency

DR/TB:ch

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Acronyms

µg/l	- micrograms per liter
1,1,1-TCE	- 1,1,1-Trichloroethane
Alliant	- Alliant Techsystems, Inc.
AMP	- Annual Monitoring Plan
AMR	- Annual Monitoring Report
BGRS	- Boundary Groundwater Recovery System
CERCLA	- Comprehensive Environmental Response, Compensation and Liability Act
cm/sec	- centimeters per second
CRA	- Conestoga-Rovers and Associates, Inc.
EE/CA	- Engineering Evaluation/Cost Analysis
FCC	- Federal Cartridge Company
FFA	- Federal Facilities Agreement
FS	- Feasibility Study
FY	- Fiscal Year
GES	- Global Environmental Solutions, Inc.
gpm	- gallons per minute
GRPP	- Groundwater Remediation Program Plan
Interpoll	- Interpoll Laboratories, Inc.
IRA	- Interim Remedial Action
IRAP	- Interim Response Action Plan
IRDMIS	- Installation Restoration Data Management Information System
ISV	- In-Situ Volatilization
IT Corp.	- International Technology Corporation
MDNR	- Minnesota Department of Natural Resources
mg/l	- milligrams per liter
MCES	- Metropolitan Council Environmental Services
MPCA	- Minnesota Pollution Control Agency
NPDES	- National Pollutant Discharge Elimination System
OU1	- Operable Unit 1
OU2	- Operable Unit 2
OU3	- Operable Unit 3
PACE	- PACE, Inc.
PAR	- Performance Assessment Report
PCB	- Polychlorinated Biphenyls
PGAC	- Permanent Granular Activated Carbon
PGRS	- Plume Groundwater Recovery System
PLC	- Programmable Logic Controller
PM	- Preventive Maintenance
PRG	- Preliminary Remediation Goal
PRI	- Potomac Research, Inc.

Acronyms (Cont.)

QAPP	-	Quality Assurance Project Plan
RA	-	Removal Action
RD/RA	-	Remedial Design/Remedial Action
RI/FS	-	Remedial Investigation/Feasibility Study
RMCS	-	Retrievable Monitored Containment Structure
ROD	-	Record of Decision
RPD	-	Relative Percent Difference
SCFM	-	Standard Cubic Feet Per Minute
SVE	-	Soil Vapor Extraction
TCAAP	-	Twin Cities Army Ammunition Plant
TGRS	-	TCAAP Groundwater Recovery System
TGRSE	-	TGRS Effluent
TGRSI	-	TGRS Influent
USAEC	-	United States Army Environmental Center
USATHAMA	-	United States Toxic and Hazardous Materials Agency
USEPA	-	United States Environmental Protection Agency
USGS	-	United States Geological Survey
UXO	-	Unexploded Ordnance
VOC	-	Volatile Organic Compound
Wenck	-	Wenck Associates, Inc.

Section I
Executive Summary

This Fiscal Year 1995 (FY 1995) Annual Monitoring Report (AMR) summarizes and evaluates data from groundwater and surface water monitoring performed at each of the three operable units at TCAAP. Fiscal Year 1995 is defined as the period from October 1, 1994 through September 30, 1995.

The primary objectives of this report are to assess the performance of the groundwater remedial systems, to characterize groundwater conditions associated with known and potential contaminant source areas at TCAAP, and to assess surface water monitoring.

Groundwater quality monitoring indicates that volatile organic compounds continue to be the contaminants of primary concern in groundwater throughout TCAAP.

Operable Unit 1 (OU1)

OU1 consists of the "north" plume of VOC contamination present off the TCAAP installation. The final remedy for OU1 consists of pumping three municipal wells and treating the extracted groundwater through the Permanent Granular Activated Carbon (PGAC) system. Treated water will be piped to the New Brighton water supply system for distribution as potable water. One of the three municipal wells is an existing well (New Brighton municipal well #4) while New Brighton municipal well #14 and the PGAC are anticipated to be completed in FY 1996. New Brighton municipal well #15 is scheduled to be completed in FY 1997. Containment is being provided to some degree by pumping well #4 in the interim prior to completion of construction for wells #14 and #15. Water pumped by well #4 is

treated by an existing granular activated carbon system. The effectiveness of the OU1 remedy is anticipated to be evaluated for the first time as part of the FY 1997 AMR.

Characterization monitoring performed for OU1 in FY 1995 illustrated that the area represented by the 10, 100, and 1,000 μg/l contours has continued to decrease as in past years. This is apparently in response to the decrease in concentrations near the source areas on the TCAAP installation and groundwater pumping near the TCAAP southwest boundary. Trichloroethene concentrations up to approximately 75 μg/l in the vicinity of the Gross Golf Course, located south of County Road C, continue to support the interpretation of a second source in this area.

Operable Unit 2 (OU2)

OU2 is defined as the TCAAP property. Activities for OU2 consist of both characterization and remediation work. The OU2 FS is anticipated to be completed in FY 1996 which will document the final remedy(ies). Characterization monitoring will continue until the OU2 remedies are in place, the OU2 Record of Decision (ROD) is finalized and the OU2 Performance Monitoring Plan is approved. Performance monitoring was conducted during FY 1995 for interim groundwater remediation programs including:

- Site A Removal Action
- Site I Interim Remedial Action and Monitoring Plan
- Site K Interim Remedial Action
- TGRS Interim Remedial Action

The Site A Removal Action, which began operation in FY 1994, consists of eight recovery wells which extract VOC contaminated groundwater for discharge to the sanitary sewer. The system was effective in achieving complete capture of the on-site groundwater contamination during the majority of FY 1995 and pumped at an average FY 1995 flow rate of approximately 37 gpm. The system has recovered over 27.6 million gallons of water and

removed over 18 pounds of VOCs since startup. The effluent from the removal action has always met the sanitary sewer discharge limit. The initial analytical detection limit for mercury was greater than the sanitary sewer discharge limit. Therefore, even though mercury was not detected, it theoretically could have exceeded the discharge limits. Concentrations of VOCs decreased markedly in FY 1995. Of the analytes tested, 1,2-dichloroethene is the only VOC detected in the recovered groundwater (effluent).

Sampling at Site I indicated no significant changes in VOC concentrations in Unit 1 monitoring wells in FY 1995. PCB analyses were not conducted since the groundwater monitoring wells used for PCB monitoring were dry in FY 1995.

At Site K, the groundwater extraction trench and treatment system continued to operate as designed. The system captured and treated 3,525,552 gallons of water and maintained a continuous zone of capture downgradient of Building 103. A total of 11.1 pounds of VOCs were removed in FY 1995.

The TCAAP Groundwater Recovery System (TGRS) consists of eight unit 3 and four unit 4 recovery wells installed at the southwest boundary of TCAAP, four unit 3 wells installed downgradient from Sites D and G and a unit 3 well installed at Site I. All recovered groundwater is treated via air strippers and water used within the plant is polished using granular activated carbon. Excess water which cannot be used on-post is discharged to the Arsenal Sand and Gravel Pit to create upgradient recharge to the aquifer. The TGRS continued to operate according to the performance criteria in the 1986 ROD. The TGRS creates a continuous zone of capture along the southwest TCAAP boundary that extends beyond the 5 µg/l trichloroethene contour. In FY 1995 the TGRS extracted and treated 1,390,096,000 gallons of water. The mass of VOCs removed was 13,355 pounds. The total VOC mass removed by the TGRS through FY 1995 is 144,137 pounds. The TGRS and the soil vapor extraction systems at Sites D and G also appears responsible for an approximate order of magnitude decrease in VOC concentrations at the recovery wells downgradient of

Sites D and G. The northern portion of the plume along the TCAAP boundary continued to shrink in FY 1995 and several wells are now below 5 μg/l of trichloroethene.

Site F soil washing/leaching remediation work was completed in FY 1995. The FY 1997 Monitoring Plan hence no longer includes monitoring of groundwater for Site F.

Surface water monitoring results continue to illustrate the historic trend of no significant contamination.

Operable Unit 3 (OU3)

The final remedy for OU3, the PGRS, began operating on May 3, 1994. The PGRS extracts and treats groundwater at a rate of approximately 1,000 gpm from an extraction well at the leading edge of the south plume. The PGRS effectively contains the leading edge of the south plume. Treated water is pumped into the New Brighton municipal water system for potable use. In FY 1995, a total of 474,224,000 gallons of water were treated by the PGRS, removing 48 pounds of VOCs. PGRS effluent VOC concentrations met or were below all applicable drinking water criteria in FY 1995.

Performance Monitoring

As the final remedies for OU1 and OU2 are implemented (OU3 is already implemented), the monitoring conducted at TCAAP will transform from site characterization monitoring to final remedy performance monitoring. The performance monitoring will be conducted in accordance with the Performance Monitoring Plans developed for the individual operable units in conjunction with the final remedial actions.

By Fiscal Year 1997, it is anticipated that this annual report will be a performance monitoring report and will include the annual performance evaluations for each of the three operable units as well as a database of monitoring data from the site. In addition, monitoring information regarding changes to the plume(s) shape, routine monitoring of surface waters, and an evaluation of the effectiveness of other response actions, such as soils, will be discussed.

Section II
Introduction

A. PURPOSE

This Fiscal Year 1995 Annual Monitoring Report (AMR) summarizes and evaluates data from groundwater and surface water monitoring performed at the Twin Cities Army Ammunition Plant (TCAAP). Fiscal Year 1995 (FY 1995) extended from October 1, 1994, through September 30, 1995. Monitoring activities were performed in accordance with the "Fiscal Year 1995 Annual Monitoring Plan," submitted as part of the "Fiscal Year 1993 Annual Monitoring Report" (Final Report, June 1994), approved June 3, 1994 (see approval letter in Appendix A). The FY 1995 Annual Monitoring Plan is included as Appendix D to this report.

The purposes of this report are to:

1. Assess the performance of groundwater remediation systems at TCAAP including:

   - Operable Unit 2 (OU2)
     - Site A Removal Action
     - Site I Interim Remedial Action
     - Site K Interim Remedial Action
     - TCAAP Groundwater Recovery System (TGRS)

   - Operable Unit 3 (OU3)
     - Plume Groundwater Recovery System (PGRS)

2. Continue groundwater characterization for OU1 and OU2, where final remedies are not yet in place.

3. Provide a source for recent (FY 1993, FY 1994, and FY 1995) groundwater and surface water data from TCAAP monitoring activities.

4. Monitor surface water conditions at sampling locations both at and near TCAAP.

5. Present the Fiscal Year 1997 Annual Monitoring Plan for TCAAP.

Monitoring activities and submittal of this report are in fulfillment of the Federal Facilities Agreement (FFA) signed August 12, 1987, between the United States Army (Army), United States Environmental Protection Agency (USEPA), and Minnesota Pollution Control Agency (MPCA). Minor modifications to the FFA were enacted in February 1992 and were discussed in the TCAAP FY 1992 Annual Monitoring Report.

This report represents the collaboration of work performed by the U.S. Army (Army) and Alliant Techsystems, Inc. (Alliant). On behalf of the Army, the Corp of Engineers has contracted Wenck Associates, Inc. (Wenck) through Sverdrup Environmental, Inc. to prepare Sections II and III of this report. On behalf of Alliant Techsystems, Inc., Conestoga-Rovers & Associates (CRA) has prepared Section V. Wenck and CRA both contributed to Sections I, IV, and VI. The Fiscal Year 1995 Annual Monitoring Report consists of this volume, plus a set of 32 plan sheets submitted separately.

B. SITE DESCRIPTION

The Twin Cities Army Ammunition Plant is a government-owned facility located near Arden Hills and New Brighton, Minnesota, in the northern portion of the Minneapolis-St. Paul metropolitan area (Figure II-1 and Plan Sheet 2). The facility occupies approximately a four-square mile area immediately east of U.S. Interstate Highway 35W and north of Minnesota Highway 96. Alliant Techsystems, Inc. is the contracted operator and the prime tenant on the installation.

TCAAP was constructed in 1941 to provide small-caliber ammunition for the military needs of the United States. Production began in 1941 and since then has alternated between periods of activity and shutdown. TCAAP has been in standby status since 1976; however, in 1992 its status was changed to "modified caretaker" which indicates that it will no longer be maintained for the production of ammunition.

During periods of activity, solvents were utilized as part of the manufacturing process. Disposal of solvents at the TCAAP site resulted in groundwater contamination which has migrated beyond the site boundary. Groundwater contamination was first discovered in July 1981 at four of the six TCAAP production wells. Since that time, numerous on- and off-post wells have been installed to monitor and assess the movement and remediation of TCAAP groundwater contamination.

A number of known and potential contaminant source areas have been identified on the TCAAP property: Sites A, B, C, D, E, F, G, H, I, J, K, 129-3, 129-5, and 129-15. These sites are shown on Plan Sheet 3.

VOC contamination primarily from three of the sites has traveled in the groundwater in two distinct contaminant plumes. For purposes of remediation, the areas contaminated by activities at TCAAP have been divided into three areas designated "Operable Units". Operable Unit 1 (OU1) encompasses the more northerly and more extensive of the two

groundwater contamination plumes off of TCAAP. Operable Unit 2 (OU2) includes all soil and groundwater contamination on TCAAP. Operable Unit 3 (OU3) includes the second off-post plume which is located south and east of OU1. OU2 also includes the Site A plume which extends to the west-northwest off-TCAAP in the Unit 1 aquifer.

The final remedial action for OU1 will include recovering Unit 4 groundwater using one existing New Brighton municipal well (New Brighton #4) and two municipal wells yet to be completed (New Brighton #14 and #15). The recovered groundwater will be treated by the permanent granular activated carbon (PGAC) system prior to being piped to the New Brighton municipal water supply system. The PGAC and New Brighton wells #14 and #15 are scheduled to be completed in FY 1996.

A Feasibility Study (FS) is being prepared for OU2 which is also scheduled to be finalized in 1996. In FY 1996, the final remedial actions are expected to be identified and selected.

The final remedy for OU3, the PGRS, became operational on May 3, 1994. The PGRS extracts and treats groundwater from an extraction well at the leading edge of the south plume. Treated water is then pumped into the New Brighton municipal water system.

C. HYDROGEOLOGIC UNITS AND WELL NOMENCLATURE

On- and off-post monitoring wells have been installed in several hydrogeologic units beneath the site. These hydrogeologic units, as referred to in this report, are described below:

Unit 1: This unit, referred to as the Fridley Formation, consists of alluvium and lacustrine deposits above the Twin Cities Formation (Unit 2). The formation is made up of fine- to medium-grained sand and clayey silt which acts as an unconfined aquifer with an estimated hydraulic conductivity of 8.3×10^{-3} cm/sec (International Technology Corp. 1992). The Unit 1

deposits are discontinuous at TCAAP and ranges in thickness from zero to 50 feet. They are predominantly limited to the north, east, and southwest portions of the site. Groundwater in Unit 1 is also discontinuous.

Unit 2: Known as the Twin Cities Formation, (Unit 2) consists of Quaternary aged glacial till and, similar to Unit 1, is discontinuous at TCAAP. Unit 2 is generally regarded as an aquitard to vertical migration of groundwater; however, sand and gravel lenses may contain water.

Unit 3: This unit consists primarily of the Quaternary aged Hillside Sand Formation which is continuous beneath TCAAP. Near the center of TCAAP, the Hillside Sand Formation is overlain by the Arsenal Sand, which forms a kame. There is no distinct lithologic contact between the Hillside Sand and the Arsenal Sand, and both are considered included in Unit 3. Unit 3 ranges in thickness from 25 to 450 feet. For monitoring purposes, the Unit 3 aquifer thickness has been arbitrarily subdivided into thirds designated as upper, middle, and lower.

Unit 4: This unit consists collectively of bedrock from the Prairie du Chien Group and Jordan Formation (Ordovician and Cambrian periods, respectively). For monitoring purposes, the Prairie du Chien Group is referred to as upper Unit 4, while the Jordan Formation is lower Unit 4. The Jordan Formation varies from fine- to coarse-grained quartz sandstone. The Prairie du Chien Group in the TCAAP area consists of a finely crystalline dolomite of the Oneota Formation, as well as quartz sandstone and dolomite members of the Shakopee Formation. A more detailed description of the bedrock geology can be found in the Remedial Investigation Report (Argonne National Laboratory, 1991).

In order to identify the hydrogeologic unit in which each well is completed, the United States Army Environmental Center (USAEC), formerly the United States Army Toxic and Hazardous Materials Agency (USATHAMA), developed a standardized identification system for wells at TCAAP. Well designations consist of six characters, such as 03U093. The first two characters represent the hydrogeologic unit in which the well is completed, as follows:

01 - Unit 1
03 - Unit 3
04 - Unit 4: Prairie du Chien Group or Jordan Formation
PJ - Unit 4: Prairie du Chien Group and Jordan Formation

The third character represents the relative position of the well screen or open hole within the specified hydrogeologic unit, as follows:

U - upper portion
M - middle portion
L - lower portion
J - Jordan Sandstone
F - fully penetrating Unit 3
- open hole (total or partial thickness)

The remaining three characters represent the well number, as follows:

001 thru 500 USAEC wells and additional wells installed by others adjacent to an existing well with the 001-500 designation.

501 thru 600 TCAAP wells.

601 thru 800 On-post Alliant Techsystems, Inc. wells.

801 thru 999 Off-post Alliant Techsystems, Inc. and
Federal Cartridge Company (FCC) wells.

Off-post wells installed by parties other than USAEC, TCAAP, or Alliant Techsystems, Inc. are designated by their Minnesota unique number. A well-designation cross-reference guide is included as Appendix B, which lists all wells of concern, the USAEC designation or Minnesota unique number, and any other name(s) the wells may have. Well locations are illustrated on Plan Sheets 3 and 4.

D. DATA MANAGEMENT AND PRESENTATION

A monitoring program was initiated in January 1984 by USAEC to obtain water level and water quality data at TCAAP. Each year has been divided into quarters with each quarter assigned a number. Accordingly, FY 1995 was comprised of Quarter 45 (October through December), Quarter 46 (January through March), Quarter 47 (April through June), and Quarter 48 (July through September).

Data collected at TCAAP is stored in the USAEC Installation Restoration Data Management Information System (IRDMIS). The IRDMIS is managed by Potomac Research, Inc. (PRI) on behalf of USAEC.

In an effort to reduce the bulk of this document, it was agreed during the regulator comment period on the FY 1994 AMR that this report would only contain data for the current years and two previous years. This suggestion has been incorporated in the tables for the FY 1995 AMR.

1. Groundwater Levels

a. Data Collection and Management

Groundwater level measurements were performed at monitoring wells in all aquifer units during FY 1995 in accordance with the Fiscal Year 1995 Groundwater Level Monitoring Plan. A copy of this plan is included as Appendix D.

The Fiscal Year 1995 Groundwater Level Monitoring Plan established the monitoring responsibilities for both FCC (the former contracted operator of TCAAP) and Alliant Techsystems, Inc. (Alliant). The intent was to delegate monitoring at each well to one party or the other in order to avoid duplication of effort.

Water level monitoring delegated to FCC was performed by Interpoll Laboratories, Inc. (Interpoll) while monitoring for Alliant was conducted by CRA.

For each assigned well, both Interpoll and CRA measured the depth to water from the top of the well casing. Using the distance from the top of the casing to the ground surface, which is surveyed when each well is constructed, Interpoll and CRA determined the depth to water from the ground surface. This information was then submitted to PRI for entry into the IRDMIS. The IRDMIS contains ground-surface elevations measured to tenths of a foot for all wells monitored at and near TCAAP.

For preparation of this Fiscal Year 1995 Annual Monitoring Report, Wenck received groundwater elevation data from both FCC and CRA via modem. The CRA data was retrieved directly from the IRDMIS. The FCC data was submitted from their own database. All data were then converted into Lotus 1-2-3 format to permit preparation of the groundwater elevation data table (Table II-1). The groundwater elevation data table presents the data for FY 1993, FY 1994, and FY 1995, as agreed to by the regulators.

It should be noted that the reference elevations for TCAAP wells were resurveyed during July-September 1992. This survey information has been entered into the IRDMIS and all groundwater elevations in Table II-1 are based upon the new reference information.

To permit comparison between what monitoring was planned and what data was collected, notations have been added to the Fiscal Year 1995 Groundwater Level Monitoring Plan (Appendix D) to indicate the data which are contained in the groundwater elevation data table (Table II-1). For missing data which were to have been collected by FCC or Alliant, correspondence is included in Appendix A.3 providing explanations.

b. Hydrographs

Figures were prepared to illustrate hydrographs for select Unit 1 monitoring wells and all recovery wells at Site A. These hydrographs are discussed further in Section IV.A.1 of this report. Hydrographs for other wells, at locations selected by the contractors and regulatory agencies, are presented in the appendices as supporting information for evaluation of the TGRS in Section IV.

c. Groundwater Elevation Contour Maps

As indicated in the Fiscal Year 1995 Groundwater Level Monitoring Plan (Appendix D), extensive water level monitoring was performed during Spring 1995 (Quarter 46) and Fall 1995 (Quarter 48). The groundwater elevation data from Quarter 46 and Quarter 48 were used to prepare contour maps to illustrate groundwater flow directions.

Groundwater elevation contour maps were prepared using Quarter 46 and Quarter 48 data for OU2 (on-post), and using Quarter 46 data for combined OU1/OU3 (off-post).

Individual maps were developed for upper Unit 3, lower Unit 3, and upper Unit 4. These maps are presented as plan sheets and figures. The figures are simply photo reductions of the plan sheets and are intended to provide the reader with a general illustration of the groundwater flow conditions. For detailed review of wells and data, the reader should refer to the plan sheets. The on-post groundwater elevation contour maps were prepared by CRA while the off-post contour maps were prepared by Wenck. The on-post contour maps are discussed further in Section IV of the report while the off-post contour maps are discussed in Sections III and V of the report.

Groundwater elevation contour maps were not prepared for the middle Unit 3 aquifer since there are not enough wells screened in this aquifer to justify contouring. However, the data from middle Unit 3 wells for Quarter 46 are shown in parentheses on the lower Unit 3 contour maps. The middle Unit 3 elevations were not used to derive the contour lines, unless there were no nearby lower Unit 3 wells to rely upon. In general, the difference in water levels between middle Unit 3 and lower Unit 3 is insignificant.

For the same reason, wells completed in the Jordan aquifer (04J), and wells completed as open holes intersecting both the Prairie du Chien and Jordan (PJ#), were not used for preparing the upper Unit 4 groundwater elevation contours. These elevations are shown on the upper Unit 4 contour maps with the data in parentheses.

2. Groundwater Quality

a. Data Collection and Management

Groundwater quality samples were collected at monitoring wells during FY 1995 in accordance with the Fiscal Year 1995 Groundwater Quality Monitoring Plan, a copy of which is included as Appendix D. The plan established the monitoring responsibilities

for both FCC and Alliant. The intent was to delegate monitoring at each well to one of the two parties in order to avoid duplication of effort.

Appendix E summarizes the individual parameters included within each analytical category as indicated on the Groundwater Quality Monitoring Plan. Halogenated volatile organic compounds (Category 1) were the parameters of primary interest, while select wells were sampled for aromatic volatile organic compounds (Category 7), metals (Category 2), and cyanide (Category 4). Site A also included sampling for mercury (Category 3) and zinc (Category 9).

Quarterly groundwater sampling and analysis delegated to Federal Cartridge Company (FCC) was performed by Interpoll. The wells delegated to Alliant were sampled by CRA and the analysis was performed by PACE.

All laboratory data for both FCC and Alliant monitoring was submitted to PRI for entry into the IRDMIS. Data validation is conducted through IRDMIS in accordance with procedures and requirements outlined in the TCAAP QAPP. The data validation process involves constructing control charts of tabulated data and analyzing the data to insure that it meets certain Record Check Requirements and Group Check Requirements. For a more detailed description of the data validation process, the TCAAP QAPP and the IRDMIS User's Guide should be consulted. After entry into the IRDMIS, the current operating contractor, Global Environmental Solutions (GES) and CRA retrieved the data for FY 1995 and provided it to Wenck via modem. Some sample results have not yet been approved for entry into the IRDMIS. For those wells, the raw laboratory data was used for preparing the maps and a notation was included on the plan sheets.

All groundwater quality data received by Wenck was converted into Lotus 1-2-3 format to permit preparation of tables. Organic groundwater quality data for FY 1995

is presented in Table II-2, while Table II-3 presents inorganic groundwater quality data.

As an additional quality assurance check, Wenck calculated the relative percent difference (RPD) for all duplicate samples collected in FY 1995. The FY 1995 duplicate sample data and RPD for each well are presented in Appendix C.3. An RPD of 25 percent was used as a trigger for further review. All RPD values greater than 25 percent are highlighted in Appendix C.3. In the case of no detection, the detection limit for the particular analysis was used in the RPD calculation. Appendix C.3 shows that many of the RPD values are greater than 25 percent, however, in most cases this was not sufficient cause to invalidate the data. For example, the trichloroethene concentration in well 03L078 in March was <0.50 µg/l and 0.32 µg/l in the two samples, respectively. This resulted in an RPD of 56 percent, although the difference is within what might be expected in sample fluctuation. All RPD values greater than 25 percent are highlighted in Appendix C.3.

These data points were footnoted in Table II-2 and were not used for interpretation.

To permit comparison between what monitoring was planned and what data were made available to Wenck, notations have been added to the Fiscal Year 1995 Groundwater Quality Monitoring Plan (Appendix D) to indicate the data which are not in the water quality data tables (Tables II-2 and II-3). For missing data which were to have been collected by FCC or Alliant, correspondence is included in Appendix A.3 providing explanations. The MPCA provided results from 13 wells they sampled in FY 1994 which were not previously included in the database tables. This data was not retrieved from IRDMIS and has been flagged as such. Lastly, the City of St. Anthony provided April 1995 sample data for municipal wells 200524 and 200804.

b. Exceedances of Groundwater Action Criteria

In accordance with Attachment 3 of the FFA, all exceedances of the action criteria set forth in Table 3.7A of the FFA have been designated on Table II-2 by shading. The action criteria are only intended to indicate locations where continued monitoring may be required. In most instances, particularly on-post, the exceedances are already being addressed by Interim Remedial Actions or by the Site A Removal Action. The action criteria are not intended to be cleanup levels.

c. Groundwater Quality Contour Maps and Cross-Sections

As indicated on the Fiscal Year 1995 Groundwater Quality Monitoring Plan (Appendix D), the most extensive sampling event performed during FY 1995 was in March (Quarter 46). The groundwater quality data from Quarter 46 were used to prepare contour maps to illustrate the spatial distribution of groundwater contamination. Appendix D indicates missing data, and Appendix A.2 provided documentation on why this data was not collected.

Groundwater quality contour maps were generated by hand, based on the observed contaminant concentrations and the familiarity with the site. The extent of site contamination based on past history was also taken into consideration during the preparation of the contour maps.

Contour maps are provided for trichloroethene and 1,1,1-trichloroethane, as these are the principal individual contaminants on a concentration basis. Contour maps were prepared by Wenck for OU2 (on-post) and OU1/OU3 combined (off-post), with individual maps for upper Unit 3, lower Unit 3, and upper Unit 4. These maps are presented as plan sheets and as figures. The figures are simply photo reductions of the plan sheets and are intended to provide the reader with a general illustration of the

groundwater quality conditions. For detailed review of wells and data, the reader should refer to the plan sheets.

Contaminant concentrations for middle Unit 3 wells for Quarter 46 are shown in parentheses on the lower Unit 3 contour maps, but were not used for contouring purposes except when no Lower Unit 3 wells are in the vicinity. Similarly, wells completed in the Jordan aquifer (04J) and wells completed as open holes intersecting both the Prairie du Chien and Jordan aquifers (PJ#) are shown with the data in parentheses on the upper Unit 4 maps, but were not used to develop contour lines.

Contaminant concentrations at recovery wells are also shown in parentheses on the maps, but were not used to prepare the isoconcentration contours. Concentrations of recovery wells generally represent an average contaminant value for all groundwater being drawn to the well; hence, the concentrations do not necessarily represent a discrete location or depth.

To complement the groundwater quality contour maps, cross-sections have been prepared to illustrate the vertical distribution of groundwater contamination. One section line passes through the source area at Site G and follows the north plume (OU1) off-post, extending past Gross Golf Course (well 200812). A second section line passes through the source area at Site I and traces the south plume (OU3) off-post through the Plume Groundwater Recovery System (PGRS). A third area where cross-sections were prepared is at Site A. Geologic information and the positions of well screens and open holes were taken from well logs obtained from the MPCA, FCC, and CRA.

The cross-sections, along with contoured trichloroethene and 1,1,1-trichloroethane data from March 1995 (Quarter 46), are presented as plan sheets with reductions presented as figures. Further discussion of the groundwater quality contour maps and cross-sections is provided in Sections III, IV, and V of this report.

For Site A, isoconcentration contour maps were developed for 1,2-dichloroethene, trichloroethene, and tetrachloroethene as these are the principal contaminants at Site A. Site A cross-sections were also prepared which illustrate 1,2-dichloroethene since it is most dominant. Contour maps for Site A were prepared only for Unit 1 since this is the only contaminated aquifer. Benzene is also a contaminant of concern. A comprehensive sampling event for benzene was performed in FY 1994 which was contoured as part of the FY 1994 AMR. Further discussion of the Site A groundwater quality is provided in Section IV.A.1 of this report.

d. Water Quality Trend Figures

Water quality trend figures have been prepared for select wells and analytes to illustrate changes in concentrations versus time.

The selected wells and parameters are the same as those presented in the FY 1994 Annual Monitoring Report. Nearly all trends illustrate trichloroethene concentrations since this compound is the primary indicator of contamination for most of the study area. At Site 129-15 and Site A, trends for additional VOC parameters were prepared. Wells were generally selected to represent conditions near known source areas, the southwest boundary area, and off-post.

Further discussion of the water quality trend figures is included in Section IV.

3. Surface Water Quality

Surface water monitoring during FY 1995 at TCAAP consisted of sampling at fourteen locations including six locations required by the TCAAP National Pollutant Discharge Elimination System (NPDES) permit. Under the NPDES permit, the Army is required to monitor six locations, five of which were monitored by FCC (20100-20500) and one which was monitored by Alliant (20201). An additional nine locations not required by the NPDES

permit were monitored by FCC. The sampling point locations are discussed later in Section IV.B.4.c of this report. Monitoring is performed for VOCs, polychlorinated biphenyls (PCBs), metals, radionuclides, and various inorganic parameters.

The surface water monitoring and laboratory analysis for FCC and Alliant was performed by Interpoll. All data for NPDES monitoring were submitted to PRI for entry into the IRDMIS. CRA retrieved the data from the IRDMIS and provided it to Wenck on computer diskettes. The data were converted into Lotus 1-2-3 format and are presented as Table II-4 (PCB data), Table II-5 (organic data), and Table II-6 (inorganic data). Further discussion of surface water quality data collected by FCC are presented in Section IV.B.4.c of this report.

4. Groundwater Pumping

Groundwater pumping data was collected to aid in evaluating the effect which the pumping has on the shape and migration of the contaminant plume. The data was compiled primarily from a database maintained by the Minnesota Department of Natural Resources (MDNR). The MDNR database includes all permitted wells in Minnesota. Permits are required for wells with pumping rates greater than 10,000 gallons per day or 1,000,000 gallons per year.

Certain data was missing from the MDNR database and the data were supplemented by obtaining information from the Cities of New Brighton and St. Anthony.

The data is presented in Table II-7. The table includes all permitted wells in the vicinity of the plume and is divided into "High Capacity Wells" and "Other Wells." High capacity wells are defined as those wells with a permitted pumping rate of greater than or equal to 50 gallons per minute. The pumping wells that encompass the TGRS and PGRS are not included in Table II-7. Note that St. Anthony did not pump well #3 (200804) in 1995. As shown by the data in Table II-7, the pumping from these two municipalities historically includes the vast majority of the groundwater use in the vicinity of the TCAAP plume.

Section III
Operable Unit 1 Performance Evaluation

A. DESCRIPTION OF THE REMEDIAL ACTION

The OU1 remedy will incorporate the pumping of three New Brighton municipal wells within the plume and treating the contaminated water using a permanent granular activated carbon (PGAC) system. The PGAC treatment, along with iron and manganese removal, will allow the water to be introduced into the New Brighton municipal water supply system for potable consumption by area residents. One of the three wells is an existing municipal well (New Brighton Municipal Wells #4 Unique #206792) while two additional wells (New Brighton Municipal Wells #14 and #15) are scheduled to be constructed in FY 1996 and FY 1997, respectively. New Brighton well #4 is a Prairie du Chien/Jordan aquifer well while well #14 and well #15 are planned as Prairie du Chien aquifer wells. The location of the three recovery wells and the PGAC system is approximately 1/3 mile south of Highway 694 near Silver Lake Road, as shown on Plan Sheet 4.

The OU1 remedy will also include the abandonment of industrial/private/commercial water supply wells affected by the plume and connection of the affected parties to municipal water supply systems (Montgomery Watson, July 1994). Lastly, the OU1 remedy will include establishing well construction advisories for the affected aquifers.

The OU1 remedy is part of the New Brighton water supply system, and as such, New Brighton has taken the lead on the design and construction of the system and will be responsible for operation of the system once it comes on-line. All parts of the OU1 remedy are anticipated to be completed by FY 1997. In FY 1995, one of the three remedial wells (New Brighton #4) was pumping, along with the other municipal supply wells shown in

Table II-7. During FY 1995, New Brighton pumped from the following Prairie du Chien/Jordan municipal wells:

#3 (206793)
#4 (206792)
#5 (206796)
#6 (206797)

New Brighton has contracted Barr Engineering to provide design and construction oversite services. The OU1 remedy is being paid for by the Army.

B. OBJECTIVES

For OU1, the major components of the selected remedy include the following:

- Providing an alternative water supply to residents with private wells within the North Plume.
- Implementing drilling advisories that would regulate the installation of new private wells within the North Plume as a Special Well Construction Area.
- Extracting groundwater at the containment boundary in the North Plume near County Road E.
- Pumping the extracted groundwater to the Permanent Granular Activated Carbon Water Treatment Facility (PGAC) in New Brighton for removal of volatile organic compounds (VOCs) by a pressurized GAC system.
- Discharging all of the treated water to the New Brighton municipal distribution system.
- Monitoring the groundwater to verify the effectiveness of the remedy.

C. RELEVANT ACTIVITIES DURING FY 1995

During FY 1995, several activities were undertaken in preparation for the implementation of the final OU1 remedial action. These activities followed the finalization of the OU1 FS on July 2, 1993, and the OU1 Record of Decision (ROD) on September 30, 1993. Activities initiated included completion of the Phase III Well Inventory, preparation of the OU1 RD/RA QAPP, preparation of monitoring well and production well conceptual design reports, construction of production wells, and construction of the PGAC facility and associated facilities.

The Phase III Well Inventory work was completed in January 1995. The well inventory builds upon work previously conducted to identify and locate all wells which are present within the aquifers impacted by the OU1 plume. An annual update of the Well Inventory was finalized early in FY 1996.

The OU1 Performance Monitoring Plan and the Alternate Water Supply Plan and Design Report were approved by the MPCA in September 1995.

The OU1 Containment/Production Well Conceptual Design Report was approved in FY 1995 however, the Offpost Monitoring Well Conceptual Design Report passed the consistency test in October 1995. The Production Well Conceptual Design Report was prepared by Barr Engineering and the Monitoring Well Conceptual Design Report is being prepared by Montgomery Watson.

The PGAC facility is being constructed under the supervision of Barr Engineering. The facility is scheduled for startup in FY 1996.

The Army has abandoned several wells in OU1 which are no longer needed for monitoring. FCC contracted Thein Well Company to abandon the following wells in October 1995:

Unique Number	Well Number
234425	Lee
420707	MPCA 7U1
420709	MPCA 7U2
420710	MPCA 7M2
420711	MPCA 7L2
420713	MPCA 16U2
420706	MPCA 15U2
420704	MPCA 16U2
151568	Arden Manor Trailer Park
234431	Harstad
234455	Chapman
234430	Cmiel

In addition, FCC was informed that well 234353 (Lee well) was abandoned by the property owner in FY 1995.

The Lee and Cmiel wells (234353, 234425 and 234430 respectively) are shown on Plan Sheet 4. All other abandoned wells were not part of the TCAAP groundwater monitoring program and as such are not shown on AMR maps.

D. MONITORING

1. Groundwater

During FY 1995, 76 monitoring wells in OU1 were scheduled to be monitored for water quality, water level, or both. In FY 1995, 16 water levels were missed, four water quality samples were not collected and five water quality samples were missing from IRDMIS. The

missing data is being investigated for eventual entry into the IRDMIS. The FY 1995 monitoring plan is included in Appendix D.

2. Treatment System

The treatment system for Operable Unit 1 is scheduled to start operating during FY 1996. Therefore, no monitoring related to the treatment system was performed in FY 1995.

E. PERFORMANCE EVALUATION

1. Hydraulic Performance

a. Upper Unit 3

Figure III-1 (Plan Sheet 5) presents the groundwater elevation contours in March 1995 for off-post upper Unit 3. Groundwater elevations determined during March 1995 allow assessment of flow directions in the area southwest of TCAAP, extending approximately 1 mile to near Interstate 694.

The general groundwater flow direction in upper Unit 3 is to the southwest, which is consistent with last year's interpretation.

Compared to last year, groundwater elevations in upper Unit 3 are approximately one foot lower. Horizontal hydraulic gradients calculated from groundwater elevation contours at various off-post locations are similar to last year's and indicate a range of approximately 0.004 to 0.002 feet per foot.

b. Lower Unit 3

Figure III-2 (Plan Sheet 6) presents off-post lower Unit 3 groundwater elevation contours for March 1995. The groundwater flow direction in lower Unit 3 is generally to the southwest, similar to that of upper Unit 3. Local variations include a more westerly component near the TCAAP boundary, shifting to a southerly direction near Rush Lake. Groundwater elevations are about one foot lower than last year. Horizontal hydraulic gradients calculated from the groundwater elevation contours at various off-post locations indicate a range of approximately 0.004 to 0.0007 feet per foot.

c. Upper Unit 4

Figure III-3 (Plan Sheet 7) presents off-post upper Unit 4 groundwater elevation contours for March 1995. The off-post groundwater flow pattern is, in general, similar to the findings of the past several years with an overall flow to the southwest. The groundwater flow direction ranges from south to southwest near TCAAP. Beyond Pike Lake, the flow direction begins a gradual southward shift, which is likely in response to pumping at New Brighton Municipal Wells #3 and #6 (206793 and 206797). Near the New Brighton wells, the flow direction continues shifting southward toward the St. Anthony municipal well field. South of the St. Anthony well field, the flow direction shifts slightly to the southeast toward the Gross Golf Course.

Groundwater elevations are typically one foot lower than last year. At the southern end of the study area, near wells 04U881, 04U882, and 04U883, the groundwater elevation ranged from 0.1 to 0.6 feet lower than last year. Horizontal hydraulic gradients calculated for the groundwater elevation contours at various locations indicate a range of approximately 0.004 to 0.0007 feet per foot.

Anomalous water level measurements from monitoring wells 04U834, 04J834 and 04J835 were not used for contouring in the vicinity of the Gross Golf Course as shown in Figure III-3 (Plan Sheet 7). These wells were not surveyed under the comprehensive TCAAP survey and the anomalous water levels could be attributed to a surveying error. The Army is verifying the survey information on these wells and will resurvey if necessary.

2. Impact on Groundwater Quality

The purpose of this section is to discuss the performance of the remedial action system for OU1. However, since only one of the three extraction wells were in-place during FY 1995, the following discussion is an overall characterization of the OU1 plume, similar to previous years. The discussion focuses on VOC contamination and is based primarily upon the groundwater quality contour maps presented as Figures III-4 through III-9 (Plan Sheets 8 through 13) and cross-section A-A' presented on Figures III-10 and III-11 (Plan Sheets 14 and 15).

The cross-sections provide a perspective of the vertical extent of the trichloroethene and 1,1,1-trichloroethane concentrations roughly along the axis of OU1. The cross-sections also show the wide range of elevations that the upper, middle, and lower wells are screened at, indicating that the well designation is not an accurate indication of screened intervals.

VOC contamination primarily from three sites (D, G, and I) has traveled in the groundwater in two distinct contaminant plumes: a "north plume" which originates on-post from Sites D and G, and a "south plume" which originates from Site I. OU1 encompasses the north plume off-post. The on-post VOC contamination associated with the "north plume" is discussed later in Section IV (OU2). Discussion of VOC contamination associated with the "south plume" (OU3) will be discussed in Section V.

a. Upper Unit 3

1) Trichloroethene

Trichloroethene continues to be the most prevalent contaminant with respect to concentration values. The groundwater quality contour map of trichloroethene concentrations in upper Unit 3 is presented as Figure III-4 (Plan Sheet 8). The trichloroethene concentrations are also presented on Figure III-10 (Plan Sheet 14) as cross-section A-A' which is constructed roughly along the axis of the "north" (OU1) plume.

Figure III-4 (Plan Sheet 8) shows the north plume (OU1) extending off-post approximately 1.2 miles in a gradual westward to southwestward arc as it has in previous years. It appears that the off-post portion of the 1 μg/l plume has shrunk approximately 2,000 feet upgradient this year.

2) 1,1,1-Trichloroethane

The groundwater quality contour map for 1,1,1-trichloroethane in upper Unit 3 has been prepared as Figure III-5 (Plan Sheet 9). The 1,1,1-trichloroethane contour map indicates that the maximum concentrations for 1,1,1-trichloroethane are approximately one order of magnitude lower than those for trichloroethene. This observation can be seen by comparing the corresponding contour maps (Plan Sheets 8 and 9) and cross-section A-A' for each compound (Plan Sheets 14 and 15).

Figure III-5 (Plan Sheet 9) shows the north plume extends off-post to the southwest gradually curving more southward. The southern extent of the north plume in upper Unit 3, as defined by the 1 μg/l contour, has shrunk approximately 2,000 feet upgradient this year. The 10 µg/l contour has shifted

north as a result of a decrease in concentration at well 03U821 from 14 µg/l (March 1994) to 4.29 µg/l (March 1995).

b. Lower Unit 3

1) Trichloroethene

The contour map for trichloroethene concentrations in lower Unit 3 is provided as Figure III-6 (Plan Sheet 10). Recovery wells and middle Unit 3 wells are also shown on the plan sheets, but were not used for contouring purposes. Cross-section A-A', which includes horizontal and vertical trichloroethene distribution in lower Unit 3, is shown on Figure III-10 (Plan Sheet 14).

The north plume (OU1) gradually curves southward towards the southeast edge of Long Lake, as shown on Figure III-6 (Plan Sheet 10). A decrease of the trichloroethene concentration at well 03L806 has resulted in a shift of the 100 µg/l contour around this well. This appears to be the result of pumping of the TGRS recovery wells located along the southwest boundary of TCAAP. This is an important feature which is expected to expand with continued operation of the TGRS. This observation will be discussed further in the TGRS evaluation section. Similarly, the decrease of trichloroethene concentration at well 03L853 has resulted in another shift of the 100 µg/l contour around this well, which can be seen in Figures III-6 and III-10 (Plan Sheets 10 and 14), respectively.

Cross-section A-A' (Figure III-10 and Plan Sheet 14) shows that the 100 µg/l contour for the north plume dive into the Unit 4 slightly upgradient of well 409556. Well 409556 is the approximate location where Unit 3 is shown to pinch out. The cross-section also shows that the portion of the north plume, represented by the 1,000 µg/l contour, continues to flow around well 03M806 as

it did last year. This effect appears to be due to a less permeable clayey zone that causes the plume to flow around it.

A concentration of 41.2 μg/l was detected in well 03L858, located just north of the St. Anthony municipal wells 3 and 4 (200804 and 200803, respectively) in March 1995. This well has had detections ranging from 5 to 11 μg/l historically, but was reported at <0.5 μg/l in March 1991. As shown on cross-section A-A' (Figure III-10 and Plan Sheet 14), this well is located at a much higher elevation than other Unit 3 wells and is actually in a hydraulically separate unit. This well has had detections of carbon tetrachloride between 6.6 and 43 μg/l in the past years. Carbon tetrachloride is not typically found in the plumes emanating from TCAAP indicating that this well is intercepting contaminants from an off-site source. Therefore, sampling of this well will be discontinued beginning in FY 1996.

2) <u>1,1,1-Trichloroethane</u>

The contour map for 1,1,1-trichloroethane concentrations in lower Unit 3 is presented as Figure III-7 (Plan Sheet 11). Cross-section A-A' with 1,1,1-trichloroethane contours is presented as Figure III-11 and Plan Sheet 15.

The contours on Figure III-7 (Plan Sheet 11) suggest that the lower Unit 3 1,1,1-trichloroethane north plume bends sharply between Rush Lake and Long Lake and subsequently trends southwest past Pike Lake towards well 409556, where Unit 3 appears to pinch out. This interpretation is supported by the groundwater elevation contour maps for lower Unit 3 and upper Unit 4, and the general trend of the 1,1,1-trichloroethane and trichloroethene contours for upper Unit 4. This trend is consistent with last years' interpretation.

c. Upper Unit 4

1) Trichloroethene

The contour map for trichloroethene concentrations in upper Unit 4 is included as Figure III-8 (Plan Sheet 12). Cross-section A-A' with trichloroethene contours is presented as Figure III-10 and Plan Sheet 14.

Figure III-8 (Plan Sheet 12) indicates that the 1 μg/l contour encompasses both the "OU1" and "OU3" plumes migrating southwest away from TCAAP. The 10 and 100 μg/l contours show separation between the two plumes near TCAAP, but further south, in the vicinity of well 04U832, the 10 μg/l contours indicate a gradual merging of the two plumes. Further south, the plumes diverge once again as evidenced by a concentration of 2.03 μg/l at well 409548. The low concentration at this well suggests this is an area of relatively lower hydraulic conductivity in the Prairie du Chien, perhaps a less fractured zone or indicative of a facies change.

Figure III-8 (Plan Sheet 12) illustrates that the north plume swings southward away from TCAAP and apparently bends back westward in the vicinity of Long Lake. The westward shift of the plume is most likely in response to pumping at New Brighton municipal wells #3, #4, and #6 (206793, 206792, and 206797, respectively). Both the 100 and 10 μg/l contours have contracted as a result of a decrease in trichloroethene concentrations in wells 04U821 and 04U871, respectively.

FY 1995 data justifies the removal of the 1,000 μg/l contour from Figure III-8 (Plan Sheet 12). Concentrations at the 806 well nest are approximately half of those observed in FY 1994. These trends will be discussed further with respect to the OU2 TGRS system.

The 10 μg/l and 1 μg/l contours suggest that the north plume bends southward once more in the vicinity of well 206797, probably in response to pumping of St. Anthony municipal wells located further south near Silver Lake Road.

A 100 μg/l contour around the Gross Golf Course wells (200812 and 512761) was eliminated in FY 1994 as a result of decreased concentrations at both of these wells. However, the concentrations in FY 1995 are still much higher than those upgradient as shown on Figure III-8 (Plan Sheet 12) and cross-section A-A' on Figure III-10 (Plan Sheet 14). These higher concentrations provide evidence for a separate source of trichloroethene which is contributing to the plume south of County Road C. This interpretation was also discussed in the FY 1994 AMR.

2) <u>1,1,1-Trichloroethane</u>

The contour map for 1,1,1-trichloroethane is presented as Figure III-9 (Plan Sheet 13). Figure III-11 (Plan Sheet 15), presents cross-section A-A' for 1,1,1-trichloroethane through the OU1 plume. The shapes of the plumes are generally the same as for trichloroethene, but the 1,1,1-trichloroethane concentrations are lower.

Off-post, near Long Lake, the north plume bends westward similar to the trichloroethene plume. The 100 μg/l and 10 μg/l contour contracted in FY 1995 as a result of decreased concentrations in wells 04U850, 409549, 04U849 and 04U846.

Cross-section A-A' shows the 1 μg/l and 10 μg/l contours breaking at two locations south of well 206797. As with the trichloroethene cross-section, this does not necessarily indicate a break in the plume, but shows where the cross-section line does not follow the axis of the plume.

Similar to the trichloroethene contour map for upper Unit 4, Figure III-9 (Plan Sheet 13) and cross-section A-A' (Figure III-11 and Plan Sheet 15) suggest that a separate source of 1,1,1-trichloroethane is contributing to the plume south of County Road C. The 10 μg/l contours for the two plumes remain separated by a distance of over 2 miles.

3. Treatment System

As mentioned earlier, the treatment system for Operable Unit 1 is scheduled to start operating during FY 1996. Therefore, the performance evaluation of the treatment system for Operable Unit 1 will be discussed beginning in the FY 1996 TCAAP AMR.

F. CONCLUSIONS

VOC contamination in upper and lower Unit 3 and upper Unit 4 trends southwestward as it migrates away from TCAAP in OU1. Near Long Lake, apparently in response to the pumping at New Brighton municipal wells #3, #4, and #6 (206793, 206792, and 206797, respectively), the path of the north plume swings south. Unit 3 appears to pinch out into a clay unit near well 409556 and New Brighton municipal well #3. Upon encountering the relatively impermeable clay in Unit 3, the contaminants are apparently moving completely downward into the underlying Prairie du Chien Group (upper Unit 4) and Jordan Formation aquifers. In this same area, the plume turns southward once more towards the St. Anthony municipal well field.

The overall trend of the contaminant concentrations in the north plume is a general reduction in concentrations. In terms of the concentration contours, the 1,000 µg/l, 100 µg/l, and 10 μg/l contours are generally shrinking in size. However, as a whole the 1 μg/l contour has remained relatively unchanged since 1992, although it fluctuates in response to sporadic detections at perimeter wells.

Well 03L858, located approximately 1/2 mile north of County Road C, had a detection of trichloroethene of 41.2 μg/l in March 1995. This well is at a much higher elevation than all other lower Unit 3 wells and is in a completely separate hydrologic unit. Furthermore, this well had a detection of carbon tetrachloride (6.79 μg/l) in March 1995. Carbon tetrachloride is not typically encountered at TCAAP, which suggests that the well is being impacted by a source other than TCAAP. Similar observations were noticed in 1994 and 1993.

An area of relatively lower contaminant concentrations downgradient of the TGRS continued to expand in FY 1995. This "hole" appears to be the result of a capture zone, created by the continued pumping of the TGRS, which does not allow contamination to migrate off-post.

G. RECOMMENDATIONS

This section is primarily intended for recommendations regarding remedial system operations. The remedial system is not yet in operation. Recommendations to modify or improve the remedial system will be made in future annual monitoring reports.

H. OU1 PERFORMANCE MONITORING PLAN

The objectives of the OU1 Performance Monitoring Plan are:

1. Evaluating groundwater levels to assess containment.

2. Sampling and analysis of influent and effluent at the point of containment and at the treatment facility to assess the adequacy of treatment.

3. Monitoring the plume to characterize plume geometry and extent with respect to time and remedial action.

4. Identifying potential points of exposure and provide support to decision-makers for providing alternative water supplies, abandoning wells, and modifying advisory areas to protect human health and the environment.

(Montgomery Watson, October 1995.)

The OU1 remedy is anticipated to begin operation in FY 1996. As such, the OU1 Monitoring Plan for FY 1997 discussed in this report is performance-based.

1. Groundwater

The groundwater level and groundwater quality monitoring requirements for OU1 are included in Table III-1.

2. Treatment System

Sampling of the OU1 Groundwater Treatment System will be done to ensure compliance with the Safe Drinking Water Act. The City of New Brighton is responsible for the operation of the OU1 Groundwater Treatment System. Barr Engineering assists the City of New Brighton on the operation of the Groundwater Treatment System. Barr has developed the OU1 Groundwater Treatment System Monitoring Plan which will be submitted at a later date.

Section IV
Operable Unit 2 Performance and Characterization Evaluation

A. PERFORMANCE EVALUATION OF REMOVAL ACTION AND INTERIM REMEDIAL ACTIONS

1. Site A Removal Action

a. Description of the Removal Action

On May 31, 1994, the Army began operation of the Site A Removal Action. The Site A Removal Action is a groundwater recovery system which consists of recovery wells, piezometers, piping, a control building, and sanitary sewer discharge.

A total of eight recovery wells (01U351-01U358) were installed in two capture lines as shown on Figure IV-1. Six of the eight recovery wells fully penetrate the Unit 1 aquifer and range in depth from 31 to 48 feet, as shown in cross-section view on Figure IV-2 (Plan Sheet 16). The two partially penetrating wells, 01U352 and 01U353, were completed in silt to sandy clay units which were resistant to drilling and determined to be the top of Unit 2 by the field geologist. The well log does not note the presence of silt (Fuller, 1994a). The partially penetrating wells are illustrated on cross-section B-B' on Figure IV-2 (Plan Sheet 16).

The recovery wells are eight inches in diameter and employ 10 slot (0.010 inch) screen which is either 20 or 30 feet in length as summarized below:

Well ID	Total Well Depth (ft)	Screen Length (ft)
01U351	37	20
01U352	36	20
01U353	31	20
01U354	36.5	20
01U355	43	30
01U356	48	30
01U357	36	20
01U358	36	20

(Dahl and Associates, Inc., 1994)

The pump depths are shown in cross-section view on Figure IV-2 (Plan Sheet 16).

Piezometers were also installed to help evaluate the performance of the Removal Action. In general, piezometers were installed between recovery wells to monitor the groundwater elevation during pumping. Piezometer locations are illustrated on Figure IV-1 and are shown in cross-section view on Figure IV-2 (Plan Sheet 16).

The Removal Action control building (Building 302) houses electrical pump controls, flow meters, pressure gauges, and valves for each recovery well, and a flow meter to measure total system flow.

The recovered groundwater is piped to a sewer discharge (Shoreview sanitary sewer discharge manhole #229) located approximately 150 feet north of the TCAAP boundary as shown in Figure IV-1. The recovered groundwater is conveyed via a City of Shoreview sanitary sewer to the Metropolitan Council Environmental Service (MCES) Treatment Plant located at 2400 Childs Road in St. Paul, Minnesota.

Discharge is in accordance with Industrial Discharge Permit Number 2194 from the MCES.

Information on the construction of the system is contained in a report by Dahl & Associates, Inc., entitled "Site A Removal Action Construction Report," dated November 8, 1994.

b. Objectives

The Site A Removal Action is intended to stop the migration of VOCs in groundwater off the installation. The Site A Removal Action is being evaluated as part of the OU2 Feasibility Study (FS) to determine if the RA will be part of the final remedy for Site A. The draft OU2 FS has developed the following Unit 1 Recommended Remediation Goals:

Antimony	6.0 µg/l	Chloroform	60.0 µg/l
1,1-Dichloroethene	6.0 µg/l	cis-1,2-Dichloroethene	70.0 µg/l
1,2-Dichloroethane	4.0 µg/l	Tetrachloroethene	7.0 µg/l
Benzene	10.0 µg/l	Trichloroethene	30.0 µg/l

(Montgomery Watson, 1994)

c. Relevant Activities During FY 1995

During FY 1995, the indoor firing range (Building 308) and associated parking and road surfaces were removed from Site A. The building was determined to be no longer necessary and was removed to allow for access to potentially contaminated soils beneath the building. The need to address Site A soils will be determined by the OU2 FS. The concrete and steel from the building and the road materials were recycled.

Iron bacteria removal was performed on recovery well pumps, piping, and flow meters to maintain the flow rates necessary for effective system operation. Iron bacteria removal consisted of equipment disassembly, scrubbing with brushes, and soaking in chlorinated water. Iron bacteria cleaning events occurred February 1, May 5, June 5, and September 11, 1995. On February 1, 1996, chlorinated water was also pumped into each recovery well to remove iron bacteria from the well screen. Recovery well cleaning consists of pumping 500 gallons of chlorinated water (300 ppm) into the recovery wells, allowing it to sit for two to three hours, followed by removing approximately 2,000 gallons from the well. In April 1995, the Army adopted a new method which uses less chlorinated water. This method will be employed in future well cleaning efforts.

d. Monitoring

1) Groundwater

During FY 1995, comprehensive water level measurements were performed during Q46 and Q48. In addition, water level measurements at the recovery wells, piezometers, and four off-post monitoring wells (01U901 through 01U904) were performed monthly during FY 1995. Six water level measurements planned for FY 1995 were not performed as shown in Appendix D. In addition, Appendix A.2 contains the quarterly sampling reports which explain why water level measurements were not obtained.

Groundwater quality samples were collected at monitoring wells during each of the quarters in FY 1995 with the intensive sampling occurring in Q46. FCC chose to sample the eight recovery wells monthly, in excess of the quarterly sampling detailed in the FY 1995 monitoring plan. The Site A monitoring wells were sampled for halogenated VOCs (Category 1), while select wells were also sampled for aromatic VOCs (Category 7). The recovery wells were sampled for

halogenated VOCs, as well as metals (USAEC Categories 2, 3, and 9). A comprehensive sampling event for aromatic VOCs was last performed in FY 1994. A listing of the individual parameters included in each USAEC Chemical Analysis Category is included in Appendix E.

A summary of the FY 1995 water level and water quality monitoring is included in Appendix C and D, respectively. The reasons why select groundwater samples were not collected are explained in the quarterly sampling reports which are included in Appendix A.2.

2) Treatment System

The Site A Removal Action does not include on-site treatment of the impacted groundwater. The impacted groundwater is discharged to the sanitary sewer for treatment at the Metropolitan Council Environmental Service Treatment Plant.

Industrial Discharge Permit Number 2194 dictates monthly sampling of Site A effluent for 1,2-dichloroethene, trichloroethene, tetrachloroethene, and total mercury. In addition, pH, chemical oxygen demand, and total suspended solids must be analyzed quarterly.

The MCES discharge limits for the Site A effluent are listed below:

Concentration of any one toxic organic analyte	$\leq$3 mg/l
Combined total toxic organic analyte concentration	$\leq$10 mg/l
Total Mercury	non-detect using a mercury analysis with a detection limit $\leq$0.2 μg/l.

pH	5.0 - 11.0
Total Suspended Solids	Sampling frequency can be reduced to annual if four consecutive sampling results are ≤125 mg/l.
Chemical Oxygen Demand	Sampling frequency can be reduced to annual if four consecutive sampling results are ≤250 mg/l.

A summary of the Site A RA effluent water quality is included in Table IV-1. All permit requirements and effluent limits for MCES were met with the exception of the first four sampling events (October 1994 through January 1995) for mercury. For these first four sampling events, a quantitation limit of 0.74 μg/l was used for mercury when the MWCC (now MCES) permit required that concentrations of mercury not exceed 0.2 μg/l. Therefore, for these sampling events, it is unknown if the mercury effluent limit was exceeded.

The current permit expires during FY 1997 (February 28, 1997).

In addition to monitoring the water quality removed by the Site A RA, water quantity measurements are also performed. Weekly flow meter readings are performed for each recovery well and the total RA flow. During FY 1995, questionable flow meter readings were obtained which may be the result of iron bacteria fouling of the flow meters or inadequate quality control for data collection. Discussion is included in the recommendation section on obtaining reliable flow meter readings. A monthly summary of the water recovered is included in Table IV-2.

e. Performance Evaluation

1) Hydraulic Performance

The Unit 1 groundwater flow direction at Site A is generally west/northwest as shown on Figure IV-3 and Plan Sheet 17, which depicts the conditions during March 1995 (Q46). Upon the request of the MPCA, the Unit 1 groundwater elevation map has been contoured without using the water level readings from the recovery wells. The general groundwater flow direction is consistent with the flow direction observed in previous annual monitoring reports. The groundwater flow interpretation in the southwest portion of Figure IV-3 (Plan Sheet 17) suggests a change to a more westerly/southwesterly flow direction. This interpretation is based on a small number of data points and interpolation is performed over a large area; however, this interpretation is not unlikely as groundwater in Unit 1 appears to flow towards Rice Creek.

Rice Creek is a generally north-south trending water body which is approximately 1,200 to 1,700 feet west of Mounds View Road. The USGS topographic map (New Brighton Quadrangle, revised 1980) indicates that the elevation of Rice Creek is approximately 875 feet above Mean Sea Level just west of Site A. This elevation matches well with the groundwater elevations and gradient observed at Site A, which supports the interpretation that groundwater in Unit 1 discharges to Rice Creek.

The 883-886 water level contours as shown on Figure IV-3 (Plan Sheet 17) are clearly affected by pumping at the Site A recovery wells.

Unit 1 groundwater elevations for March 1995 indicate a difference of approximately 7 feet across the Site A area. The horizontal hydraulic gradient has remained relatively steady at Site A and in March 1995 varied from

approximately 0.003 to 0.008 feet per foot in areas outside of the recovery well influence. Using the results of a pumping test performed by International Technology Corporation on well 01U117 in July and August 1992, a hydraulic conductivity value of 8.3×10^{-3} cm/sec was calculated for Unit 1 (International Technology Corporation, 1992). It should be noted that the IT Corp. report states that well 01U117 was only 20 to 30 percent efficient at the time of the pump test. Using this hydraulic conductivity, the maximum horizontal hydraulic gradients shown above, and an assumed porosity value of 0.25, the horizontal groundwater velocity outside the area of pumping influences is calculated to be approximately 0.28 to 0.75 feet/day or 103 to 274 feet/year.

Site A Unit 1 monitoring wells exhibited an average decrease in groundwater levels of approximately 4.1 feet in FY 1995. Groundwater hydrographs for select monitoring wells and the recovery wells have been prepared and show water level fluctuations that have occurred over the Site A area. The hydrographs are included as Figure IV-4 through Figure IV-6.

Water levels in recovery wells 01U351 through 01U357 increased an average of 3.3 feet during FY 1995. Recovery well 01U358 is the only well which experienced a decline (3.3 feet) in water levels during FY 1995. The recovery wells appear to cause the greatest drawdown just after they have been chlorinated and their pumps and piping cleaned, and have generally decreased since then, as illustrated on Figures IV-5 and IV-6.

The amount of drawdown as observed in Q46 is shown below for comparison with the maximum possible drawdown.

Well	Q46 Drawdown (Q46 GW Elevation)	Maximum Possible Drawdown	Approximate Pump Elevation
01U351	4.4' (881.6)	12'	874
01U352	1.5' (884.5)	14'	872
01U353	5.8' (879.2)	10'	875
01U354	3.2' (881.8)	10'	875
01U355	11.3' (872.7)	19'	865
01U356	7.7' (876.3)	13'	871
01U357	13.6' (869.4)		*
01U358	3.4' (879.6)	13'	870

* The pump elevation for well 01U357 is not known at this time.

The amount of drawdown observed in Quarter 46 was determined by subtracting the Quarter 46 groundwater elevation from the interpreted background groundwater elevation. The interpreted elevations were estimated by eliminating the effects of pumping on the groundwater elevation and sketching the elevation contours across the pumping area. The estimated background elevation value for each well can be obtained by adding the Q46 drawdown to the Q46 groundwater elevation. The maximum possible drawdown is estimated by subtracting the approximate pump elevation from the estimated background elevation.

The cross-section view of the Site A recovery wells shown on Figure IV-2 (Plan Sheet 16) illustrates that the pump depth for wells 01U353 and 01U356 are not positioned to achieve maximum drawdown.

Since startup of the Site A Removal Action on May 31, 1994, over 28.6 million gallons of groundwater have been recovered by the eight extraction wells at an average system flow rate of approximately 42 gpm. The average flow rate of the system was 36.7 gpm in FY 1995 as compared to 47.2 gpm in

FY 1994. To achieve the necessary capture, the design flow rate of the Removal Action was estimated during the preparation of the plans and specifications to be 40 gallons per minute. The Removal Action system monthly pumping information is in Table IX-2.

The average flow rate for each recovery well is shown below:

	Average Flow Rate (gpm)	
Recovery Well	**FY 1995**	**FY 1994**
01U351	6.4	6.1
01U352	1.9	7.2
01U353	3.6	5.6
01U354	7.0	8.6
01U355	5.3	4.9
01U356	4.4	7.1
01U357	3.2	4.4
01U358	4.9	7.5
	36.7 gpm	51.4 gpm

All wells are designed to pump 5-10 gpm.

To aid in examining the effect of the eight pumping wells (01U351 through 01U358) on groundwater flow in the Unit 1 aquifer at Site A, a local, two-dimensional, simplified steady-state groundwater flow model was developed using the analytic element method SLAEM (Strack, 1989). This model accounted for the near-field effects of the eight pumping wells, and far-field recharge as a uniform flow field. The hydraulic parameters used in the model were as follows:

- Hydraulic Conductivity of 24 (feet/day)
- Saturated Thickness Average of 40 (feet)
- Hydraulic Gradient of 0.6 percent to the Northwest
- Aquifer Base of Approximately 860 feet msl

A hydraulic conductivity of 19.8 feet/day and a saturated thickness of 30 feet were used for the IT model. Use of these values would result in a larger capture zone than shown on Plan Sheet 17. Therefore, the capture zone shown is a conservative depiction. The hydraulic conductivity value of 19.8 ft/day and a saturated thickness of 30 feet should be used for future calculations.

A coordinate system was set up using monitoring well 01U135 as the origin, with the positive X-axis running due east. Table IV-2 provides a comprehensive summary of the pumping rates at each of the eight recovery wells. The pumping rates at the individual wells have been erratic, changing by as much as 300 percent over short time periods. Long-term pumping rate averages were used to simulate the steady-state effect created by the pumping wells. Though the fluctuating pumping rates create transient effects, these effects are dampened and seen as more of an average away from the wells. The SLAEM model input file is provided in Appendix I.

The overall capture zone created by the well field as modelled, captures the on-post contaminant plumes. The capture zone is included on Figure IV-3 (Plan Sheet 17). Contaminants which migrated off-post prior to startup of the Site A Removal Action are unaffected. Note that the capture zone created by the well field is a function of the ratio of the pumping rate over the transmissivity, and the simple model used above does not account for discrete changes in the hydraulic conductivity, or changes in the base elevation which would effect the size of the capture zone. The capture zone was also prepared using hand contouring based

on breaks in the groundwater elevation contours. Both methods correlate well with each other.

It should be noted that during periods of low pumping rates, portions of the system may not have achieved complete capture of contamination. Low pumping was due to iron fouling of equipment and Army has since taken steps to better control iron fouling and thus ensure complete capture of the contaminants.

An additional capture zone analysis was performed by CRA and is contained in a July 23, 1996 memo contained in Appendix A.3. It states:

- A minimum total flow rate of 25 gpm, reasonably distributed, is needed to maintain hydraulic containment.

- It goes on to further specify that wells 01U351-01U355 (Group A) should maintain 15 gpm in a fairly uniform rate +/- 1 gpm.

- Wells 01U356-01U358 should maintain 10 gpm with 01U356 and 01U357 maintaining a combined 6-7 gpm and 01U358 maintaining 3-4 gpm.

These rates are intended to assure capture of the 10 μg/l 1,2-dichloroethene plume as depicted in FY 1995. If the plume continues to shrink, reducing flowrates at specific recovery wells will be evaluated.

(CRA, 1996)

2) Impact on Groundwater Quality

The Site A Removal Action has removed approximately 18.5 pounds of VOCs since pumping was initiated on May 31, 1994 as shown on Table IV-2. Of the VOCs removed to date, approximately 80 percent, or 14.7 pounds have been removed by four recovery wells (01U352, 01U353, 01U355, and 01U356).

Recovery wells 01U352 and 01U353 are located to achieve the maximum PCE removal while approximately 50 percent of the water captured by wells 01U351 and 01U354 is clean. The pumping scheme can be revised to achieve the most efficient contaminant capture by limiting or eliminating the capture of water outside the 1 μg/l plume.

Contaminant plume contour maps and cross-sections were prepared for Site A using the Spring 1995 (Quarter 46) sampling results. Contour maps were developed for 1,2-dichloroethene, trichloroethene, and tetrachloroethene present in the groundwater at Site A. The contour maps are presented on Figures IV-7, IV-8, and IV-9 (Plan Sheets 18, 19, and 20), respectively. FY 1993, FY 1994, and FY 1995 groundwater quality data for organic and inorganic parameters are included in Tables II-2 and II-3, respectively.

a) Organic Parameters

i) 1,2-Dichloroethene

1,2-Dichloroethene concentrations reported for the March 1995 sampling event were used to create cross-sections and an isoconcentration map which are included as Figures IV-2 and IV-7 respectively (Plan Sheets 16 and 18). Water quality trends for

1,2-dichloroethene at selected Site A wells are presented as Figures IV-10 through IV-14.

1,2-Dichloroethene is the most widespread contaminant at Site A and during Quarter 46 was detected in 15 of the 24 monitoring and recovery wells sampled. The highest 1,2-dichloroethene concentration (67 μg/l) was present at recovery well 01U353, as shown on Figure IV-7 (Plan Sheet 18). The historic trend of 1,2-dichloroethene at the recovery wells is shown on Figures IV-10 and IV-11. The concentrations of 1,2-dichloroethene at Site A dropped substantially in a majority of wells during FY 1995. Four of the 15 wells with detections in Q46 (01U108, 01U350, 01U353, and 01U902) did not exhibit a decreasing trend. The highest 1,2-dichloroethene concentration dropped from 540 µg/l during Q43 to 67 µg/l in Q46.

The 100 μg/l contour shown in FY 1994 is no longer present due to decreased concentrations at wells 01U102, 01U139, 01U356, and 01U902. In addition, the concentration at wells 01U115, located downgradient of wells 01U351 and 01U352, is now non-detect which allows the 10 μg/l contour to be closed between well 01U115 and the recovery wells. This is likely the result of the recovery wells creating a barrier to the downgradient migration of contaminants.

The depiction of two plumes, each emanating from separate disposal pit areas, is supported by well 01U125, which has historically never detected 1,2-dichloroethene. Cross-section view B-B' on Figure IV-2 (Plan Sheet 16) and plan view as shown on Figure IV-7 (Plan Sheet 18) illustrate this situation.

In FY 1995, concentrations of 1,2-dichloroethene at four wells (01U108, 01U902, 01U353, and 01U355) exceeded the groundwater action criteria of 70 μg/l, as set forth in revised Table 3.7A of the FFA. This is compared to ten wells that exceeded the groundwater action criteria in FY 1994.

The 1,2-dichloroethene concentrations for wells closest to the source areas for the north and south Site A plumes have also dropped substantially in FY 1995. Well 01U102 is located to monitor contaminants that may be migrating from disposal pits 6 through 8 as shown on Figure IV-7. 1,2-Dichloroethene concentrations have decreased from 540 μg/l in Q42 (prior to startup of Site A RA) to 2.78 μg/l in Q46. Well 01U108 is located in order to monitor the contaminants that may be migrating from disposal pits 2 and 5 as shown on Figure IV-7. 1,2-Dichloroethene concentrations at well 01U108 have increased from 15.70 μg/l in Q43 to 88.00 μg/l in Q48. Continued monitoring will determine if this is a short-term fluctuation or a consistently decreasing trend. This text is not intended to suggest that other disposal areas may not be present at Site A.

The concentrations observed in Q46 are below the recommended remediation goal (RRG) of 70 μg/l for cis-1,2-dichloroethene, as stated in the draft OU2 FS (Montgomery Watson, 1994). Once the OU2 FS is finalized, an evaluation should be performed to determine how many sampling results below the RRG are required before stating that the cleanup objective has been met with respect to cis-1,2-dichloroethene.

ii) Trichloroethene

Trichloroethene concentrations reported for the March 1995 sampling event have been used to create an isoconcentration map which is included as Figure IV-8 (Plan Sheet 19).

Trichloroethene concentrations at well 01U108 appear to have peaked in August 1988 at 750 µg/l and have generally decreased to 5.12 µg/l in March 1995, but have increased to 260 µg/l in September 1995, as shown in Table II-2 and illustrated on Figure IV-8.

Monitoring well 01U102 is located to monitor contaminants which may be migrating from disposal pits 6 through 8, as shown on Figure IV-8 (Plan Sheet 19). Trichloroethene concentrations at well 01U102 also have decreased from 300 µg/l in July 1990 to <1.04 µg/l in March 1995 as shown on Figure IV-8.

Concentrations appear to be decreasing in well 01U117, located downgradient of monitoring well 01U108 and former pumping well 01U350.

Similar to 1,2-dichloroethene, trichloroethene has historically never been detected at well 01U125, which supports the interpretation of two plumes originating from different source areas.

Trichloroethene concentrations continue to be detected in the off-site area to the northwest of Site A. Trichloroethene was sporadically detected at well 01U902 during FY 1995 as shown in Table II-2.

The FY 1995 depiction of the trichloroethene contamination at Site A no longer has a 10 μg/l contour which was present in the FY 1994 AMR. This is due to decreases in concentrations at wells 01U102 and 01U117.

Trichloroethene contamination in Unit 1 at Site A was detected at five of the 32 wells sampled during March 1995. Five wells (01U108, 01U117, 01U157, 01U352, and 01U353) in and around Site A exceeded the 2.8 μg/l trichloroethene groundwater action criteria during FY 1995. A listing of this data is included in Table IV-2. This is compared with nine wells which exceeded the groundwater action criteria in FY 1994.

iii) Tetrachloroethene

Tetrachloroethene concentrations reported for the March 1995 sampling event were used to create an isoconcentration map which is included as Figure IV-9 (Plan Sheet 20).

Tetrachloroethene contamination in Unit 1 was detected at four of the 35 locations sampled during March 1995. The highest tetrachloroethene concentration detected during 1995 was reported at well 01U108 (180 μg/l), which appears to be the source strength well for disposal sites 1 through 5, as shown on Figure IV-9 (Plan Sheet 20).

Monitoring well 01U125, which has historically not shown tetrachloroethene, also supports the interpretation that contaminants are migrating from Site A from two separate disposal areas. Additional disposal areas may be present at Site A.

Monitoring well 01U109 had a tetrachloroethene detection of 3.74 μg/l in Q46 as shown on Figure IV-9 (Plan Sheet 20). This detection is thought to be an anomaly since tetrachloroethene had not been previously detected at this well.

Tetrachloroethene concentrations in Site A Unit 1 are generally below the 7.0 μg/l recommended remediation goal (RRG). Wells 01U102, 01U108, and possibly 01U353 are the only wells currently above the RRG. A listing of FY 1995 groundwater action criteria (not to be confused with exceedances of the RRG) exceedances is included in Table II-2.

Tetrachloroethene concentrations observed in Q46 at wells 01U102 and 01U108 are above the PRG of 7.0 μg/l as stated in the OU2 FS (Montgomery Watson, 1994).

b) Metals

Monitoring for metals at Site A in FY 1995 consisted of monthly analysis of Site A recovery wells for Categories 2, 3 and 9. Of the 15 metals sampled, only barium, manganese and zinc were consistently present.

Barium was always below the TCAAP groundwater action criteria. Of the 96 samples collected for zinc analysis, four exceedances of the TCAAP groundwater action criteria were observed. The discharge piping from the recovery wells is galvanized (a zinc coating process) which is a likely explanation for why the zinc concentration exceedances have occurred only at recovery wells. Manganese does not have a TCAAP groundwater action criteria. The manganese concentrations at the recovery wells appear to have

remained consistent. A complete listing of the FY 1995 inorganic data is included in Table II-3.

A second group of metals, listed below, was sporadically detected:

- Cadmium
- Chromium
- Copper
- Lead
- Nickel

Of these metals, only copper and lead had sporadic quantifiable detections which were above their respective TCAAP groundwater action criteria. See Table II-3 for a complete listing.

Lastly, the following metals were not detected during the monthly Site A recovery well sampling:

- Antimony
- Arsenic
- Beryllium
- Mercury
- Selenium
- Silver
- Thallium

Antimony was not detected during FY 1995 because well 01U103 was not sampled as planned. This does not mean that antimony is not a contaminant of concern in the Unit 1 groundwater at Site A.

As stated in previous annual reports, the detection limits for select metals are greater than either the background or TCAAP groundwater action criteria values referenced earlier. Antimony at well 01U103 will be sampled using an atomic absorption-graphite furnace method to obtain a lower method detection limit.

3) Treatment System Performance

The effluent data met the MCES discharge criteria throughout the year. Organic concentrations have decreased since startup. Trichloroethene decreased to non-detectable levels during the last three months of FY 1995. 1,2-Dichloroethene is the only organic compound currently detected in the effluent. The Site A effluent water quality is included in Table IV-1. In addition, quarterly monitoring for total suspended solids and chemical oxygen demand met the threshold criteria, which now allows monitoring for these parameters to be reduced to an annual event.

f. Conclusions

- The groundwater discharged to the sanitary sewer from the Site A Removal Action was in compliance with the MCES Discharge Permit Number 2194 throughout FY 1995 with the following exception: the first four sampling events (October 1994 through January 1995) for mercury. For these sampling events, a quantitation limit of 0.74 μg/l was used for mercury when the MCES permit required that concentrations of mercury not exceed 0.2 μg/l. For these sampling events, it is unknown if the mercury effluent limit was exceeded.

- The capture zone developed by the Site A Removal Action has not stabilized due to highly variable pumping rates throughout the year. The Site A Removal Action achieved capture of all on-post contamination for the majority of FY 1995.

- The presence of iron bacteria in the Unit 1 aquifer has a large influence on the flow rates of the Site A recovery wells.

- The total system average flow rate for the Site A Removal Action was 36.7 gallons per minute (gpm) in FY 1995 as compared to 47.2 gpm in FY 1994.

- The Site A Removal Action recovered 10.6 pounds of VOCs during its first full year of operation. Overall, the Site A Removal Action has recovered 18.5 pounds of VOCs.

- VOCs have decreased in the Site A Removal Action effluent since startup and of the analytes tested, 1,2-DCE is the only organic compound detected in the effluent.

- The plume size for each of the Site A organic compounds which are mapped (tetrachloroethene, trichloroethene, and 1,2-dichloroethene) decreased significantly during FY 1995. Continued monitoring will determine if this is a long-term trend or a short-term fluctuation.

g. <u>Recommendations</u>

- The approved Site A Removal Action Groundwater Quality Monitoring Plan included in the FY 1993 AMR called for monthly water quality sampling (for categories 1, 2, 3, and 9) at the recovery wells until February 1995 (the initial nine months of operation). At that time, water quality samples were to be collected on a quarterly basis. However, to date, the Site A recovery wells continue to be sampled on a monthly basis. It is recommended that sampling follow the FY 1996 MP contained in the FY 1994 AMR, which calls for quarterly water quality sampling.

- A quality control review of data collected from the Site A Removal Action Area should be implemented with adequate attention to detail and accuracy.

Questionable meter readings compromise the ability to effectively manage and evaluate the operation of the system.

- Aggressive, proactive management of the iron bacteria problem should be implemented at Site A. Regular "cleaning" events should be scheduled, if necessary, to ensure that the minimum flow rates are maintained.

- There is a concern that certain recovery wells may not have pumps set at the most beneficial depth. Specifically, wells 01U353 and 01U356 appear to have the pumps set approximately 15 feet and 18 feet, respectively, above the confining unit (Plan Sheet 16). The Site A Removal Action specification states that the pumps are to be installed five feet above the confining layer (Federal Cartridge Company, 1993). It is recommended that the pump depths for wells 01U353 and 01U356 be confirmed. If accurately depicted on the cross-section, it is recommended that 10 feet and 15 feet of drop pipe be added to wells 01U353 and 01U356, respectively.

- If recovery well flow rates cannot be successfully maintained without fear of running the pumps dry, installation of a non-fouling variety of stop and start float controls in each well should be considered. This will allow maximum drawdown at each well without fear of damaging the recovery well pumps. This is not suggested as a solution to the iron bacteria fouling issue, but simply as a modification to allow for maximizing flow.

- It is recommended that the frequency of monitoring total suspended solids and chemical oxygen demand be changed to an annual event as part of renewing the Site A Removal Action industrial discharge permit with MCES in 1997.

- Conflicting information exists on the elevation of the well 01U357 pump. It is recommended that as part of the next iron bacteria cleaning event, the well

01U357 drop pipe be measured. This will allow the amount of maximum drawdown to be calculated.

h. Site A Performance Monitoring Plan

Monitoring at Site A in FY 1997 assumes that the OU2 FS will be completed and the Site A RA will be at least a portion of the remedy. As such, no site characterization sampling is proposed.

1) Groundwater

The FY 1997 groundwater level and groundwater quality monitoring requirements for Site A are included in Table III-1. The changes to the FY 1997 Site A groundwater performance monitoring is summarized below:

- Metals analysis (Categories 2, 3, and 9) performed at the recovery wells has been reduced from quarterly to twice a year. Intensive metals analysis during FY 1995 and FY 1996 will result in approximately 20 sampling events which at present do not show metals to be a concern. The Site A RA effluent has consistently been non-detect for mercury, which is the only metal regulated by the MCES discharge permit. It should be noted that the mercury detection limit for the first four sampling events (0.74 μg/l) was higher than the discharge limit (0.2 μg/l).

- A new analytical method (atomic absorption-graphite furnace method) will be used to analyze for antimony at Site A well 01U103. In the past, wells 01U127 and 01U133 have had detections and should be re-evaluated in the future.

- Water level measurements for FY 1997 have been revised to quarterly from monthly in monitoring wells in the vicinity of the Site A Removal Action and for off-post monitoring wells 01U901-01U904. By FY 1997, the Site A Removal Action will not require intensive water level monitoring and quarterly monitoring is justified. Monthly water level measurements will continue to be collected at the Site A recovery wells for operational purposes.

2) Treatment System

As discussed in Section IV.A.1.d.2, treatment system monitoring addresses the Site A "effluent" to document compliance with the MCES discharge permit. "Effluent" is simply the recovered groundwater from the eight pumping wells which are combined into a single discharge flow. The monitoring of this single flow consists of:

- monthly - 1,2-Dichloroethene, trichloroethene, tetrachloroethene, total mercury

- quarterly - pH, chemical oxygen demand, total suspended solids

The monitoring of the Site A RA is also summarized in the Remedial Treatment System Monitoring Plan included as Table IV-4.

2. Site I Interim Remedial Action

PCB contaminated soils east of Building 502 were excavated in 1986. These soils are currently stored in a storage building built as part of the PCB IRA at Site I.

a. Monitoring

Nine Unit 1 monitoring wells were planned for sampling at Site I (Building 502) during 1995. These wells are 01U064, 01U636, 01U639, 01U640 and I01-MW through I05-MW. Figure IV-17 shows these well locations. However, eight of these wells were dry at the time of sampling so only well 01U064 was sampled. These wells yielded water when originally installed. Samples from wells 01U636 and 01U640 were intended to be analyzed for EPA Method 608 PCBs and all nine wells were to be analyzed for EPA Method 601 VOCs. Table IV-3 presents the results of the analyses on well 01U064, the only well sampled.

b. Monitoring Results

The VOCs present at well 01U064 are consistent with past data which identified VOCs in Unit 1 at Site I. The Unit 1 aquifer at Site I did not flow off-site during the monitoring year. This is evidenced by dry Unit 1 monitoring wells along the south and west boundaries of Site I as discussed above. To the east and north, Unit 2 is absent.

PCBs are monitored in groundwater as part of the long term monitoring of the PCB removal activities. No analysis was possible this year since the wells were dry. However, the lack of PCBs over previous years suggests that any residual PCBs that remain in the excavated area are immobile and are not a threat to Unit 1 groundwater. The relative immobility of PCBs in soil is evidenced by their extremely high organic carbon partioning coefficients documented in the literature.

c. Conclusions

PCBs potentially present in Site I soils have not impacted the Unit 1 aquifer at the Site. VOCs continue to be present in Unit 1 groundwater at the Site.

The PCBs potentially present in the Site I soils have not impacted the Unit 1 groundwater as the portion of the aquifer beneath that portion of the Site was dry.

VOCs continue to be present in the Unit 1 aquifer beneath the western portion of Building 502.

d. Site I FY 1997 Performance Monitoring Plan

No changes from the FY 1996 Monitoring Plan are proposed for the FY 1997 Monitoring Plan. Table III-1 presents the FY 1997 Monitoring Plan. Completion of the TCAAP OU2 FS may necessitate changes to the Monitoring Plan consistent with the final remedy for Site I. Unit 3 and Unit 4 groundwater monitoring at Site I is addressed as part of the TGRS monitoring plan.

3. Site K Interim Remedial Action

a. Background

Volatile organic compound (VOC) contamination was identified in the storm sewer at Building 103, which empties to Rice Creek, Twin Cities Army Ammunition Plant (TCAAP) in 1983. Following an initial assessment in 1983, a Remedial Investigation/Feasibility Study (RI/FS) was conducted in 1984. The RI/FS activities were designed to define the extent of VOC contamination in the vicinity of Building 103 and to determine whether or not there was a resultant impact on other areas at TCAAP or on the regional groundwater. The RI/FS showed that the VOC

contamination was found in Unit 1 (perched aquifer) at Building 103. Unit 1 is underlain by a low-permeability clay till (Unit 2) which serves as an aquitard to restrict vertical groundwater flow from reaching the deeper Unit 3 regional aquifer. Based on the water levels in the vicinity of Building 103, the Unit 1 groundwater flows to the west towards Rice Creek.

The findings of the RI/FS and some supplementary investigations concluded that:

1) VOCs identified in the storm sewer are the result of infiltration of perched groundwater containing VOCs beneath Building 103,

2) The limits of the VOC plume in the perched groundwater have been defined to be beneath and immediately northwest of Building 103.

3) Unit 1 groundwater outside of the immediate Building 103 area and Unit 3 groundwater downgradient of Building 103 have not been impacted by Building 103 activities, other than some elevated concentrations of 1,2-dichloroethene (see Section 3.g below).

b. <u>Description of Remedial Program</u>

Based on the findings of the investigatory activities, a remedial program was designed to prevent infiltration of contaminated Unit 1 groundwater into the storm sewer and to capture and treat the contaminated groundwater originating at Building 103.

The VOC remediation program at Building 103 consisted of grouting the joints in the storm sewer to prevent Unit 1 groundwater infiltration and installation of a groundwater collection and treatment system. The sewer joint grouting was completed in February 1985.

The groundwater extraction and treatment system at Building 103 began operation in August 1986. Groundwater is collected using 410 feet of drain tile sloped to a central manhole. The collected groundwater is pumped to an air stripping system where it is treated to remove VOCs and is discharged under an NPDES permit to the storm sewer. The treatment system was designed to accommodate up to 30 gallons per minute of extracted groundwater and to treat the contaminated water at an air-to-water ratio of 50:1, based on 200 cubic feet per minute of air. The air stripping tower is approximately 22 feet tall with 19 feet of one-inch diameter Yaeger Tri-pack packing.

During FY 1995 the system collected and treated 3,564,000 gallons of water and removed approximately 11.1 pounds of VOCs, based on the average influent and effluent VOC concentrations. Overall, the system has removed approximately 119 pounds of VOCs from the aquifer. Appendix H.4 summarizes operational data and events at the groundwater extraction and treatment system.

c. Objectives

A monitoring program was established to:

- Meet NPDES permit monitoring requirements,
- Measure the effectiveness of VOC removal,
- Measure the mass of VOCs removed,
- Monitor the progress of remediation in the aquifer, and
- Determine the zone of capture for the collection system.

As is the case with most groundwater extraction and treatment systems, the most effective way to measure short-term performance is to evaluate hydraulic capture. Groundwater monitoring is conducted to evaluate the long-term trends to determine whether or not the aquifer quality is actually improving. Accordingly, the

Building 103 monitoring program concentrates on hydraulic performance and NPDES compliance.

d. Relevant Activities During FY 1995

Work proceeded on the Site K portion of the OU2 Feasibility Study.

e. Monitoring

1) Treatment System

The treatment system effluent was sampled on a monthly basis for total phosphorus and ortho phosphate. On a quarterly basis, the influent was sampled for target VOCs and the effluent was sampled for target VOCs, metals, total phosphorus and orthophosphate as listed on Table IV-6.

2) Groundwater Monitoring

Water levels are collected semi-annually from the monitoring wells and bundle piezometers in the vicinity of the groundwater collection and treatment system. Groundwater samples have been collected quarterly from specific wells on a historic basis. FY 1995 monitoring was performed in accordance with the Monitoring Plan with comments and exceptions noted in Appendix A. The comprehensive monitoring well sampling was conducted in March 1995. Figure IV-18 and Figure IV-19 present the sampling and water level monitoring locations. Figure IV-18 also includes the cross section alignment.

3) Infiltration Gallery

In addition to the groundwater collection and treatment system, an infiltration gallery was installed to prevent excessive groundwater drawdown. The infiltration gallery helps maintain adequate hydraulic head on the downgradient side of the collection tile in order to maintain upward flow of groundwater into the tile. The gallery consists of 409 feet of perforated 2-inch PVC pipe lain in a trench approximately 4 feet below grade. The gallery is located northwest and parallel to the collection tile. The infiltration gallery is connected to a float control and metering manhole. The float controls are positioned to permit flow when groundwater falls below 874.9 feet AMSL and shuts off flow when the float senses groundwater has risen 1.1 feet. This helps assure that an upward gradient is maintained beneath the collection trench during low water periods. The source of the water is the TCAAP potable water system. A meter reading was not recorded in FY 1995. In February 1996, the meter totalizer was 2639310. During the period October 1994 through February 1996, approximately 376,310 gallons flowed through the infiltration gallery. Approximately 2,639,310 gallons have flowed through the infiltration gallery over the life of the system.

f. Site Hydrogeology

As determined in the RI/FS, the impacted groundwater is within the Unit 1. Unit 1 is a medium-to-fine-grained sand with clayey silt lenses. Underlying the Unit 1 is the Unit 2 (a low-permeability aquitard) consisting of a gray till. There is no apparent impact of Unit 1 VOC concentrations on the Unit 3 groundwater at the site. Unit 3 monitoring in the vicinity of Building 103 is conducted as part of the TCAAP annual monitoring program.

Perched groundwater flow in Unit 1 at Building 103 is generally west toward Rice Creek.

g. Performance

The groundwater collection system continues to provide capture of the Unit 1 groundwater, upgradient of the trench and beneath Building 103, as designed. Water level data are presented in Table IV-7. Well 01U611 (OW111) monitors the suspected source area. The flow from well 01U611 is directly toward the drain tile groundwater collection trench as indicated by the groundwater contours. Figures IV-20 and IV-21 present plan views of the groundwater contours from the two rounds of groundwater level measurement. At nested wells, the lowest water level was used to create the plan view contours. Monitoring wells downgradient of the extraction trench show consistently higher water levels than those near and upgradient of the trench. This demonstrates that the horizontal hydraulic gradient has been reversed toward the extraction trench due to system operation. In the March 6, 1995 round, the water level in well 01U604 was higher than 01U603. This indicates that the stagnation zone was between well 01U604 and the trench at this time. The monitoring network provides sufficient coverage for detailed capture monitoring.

Vertical capture was also effective as illustrated on Figures IV-22 and IV-23. As seen in the figures, groundwater from both upgradient and downgradient of the trench is captured and collected. Of particular note is the formation of an upward gradient at nest 01U626. Well nest 01U626 is the closest bundle piezometer to the collection trench. Well nest 01U626 monitors and illustrates the vertical effectiveness of the extraction system. The upward gradient beneath the trench indicates that groundwater does not migrate below the trench. Well nest 01U626 also exhibits water levels consistently lower than all four monitoring points at bundle piezometer 01U627. This demonstrates the complete reversal of the horizontal gradient toward the extraction

trench. The monitoring coverage provided by the bundle piezometers demonstrates complete vertical and horizontal hydraulic capture.

Figure IV-24 presents the trichloroethene concentrations from the March 1995 annual sampling event. Comparison of Figure IV-24 to the groundwater contour maps indicates that the VOC plume is hydraulically contained by the treatment system. Table IV-8 presents the monitoring well sampling data. The plume was originally defined based on data from all of the monitoring wells. The current monitoring well network is used to confirm the plume contours and measure the progress of remediation. Thus, Figure IV-24 was drawn with consideration of the extensive historical data.

Three wells (01U128, 01U617 and 01U621) exhibit elevated concentrations of 1,2-dichloroethene downgradient of the groundwater collection system's capture zone. Two of these wells (01U128 and 01U617) have exhibited reasonably consistent concentrations of 1,2-dichloroethene since 1987, indicating that it migrated prior to the establishment of the capture zone. The third well, 01U621, has only exhibited 1,2-dichloroethene since September 1993. The concentrations at these wells exhibited little change in FY 1995. Well 01U621 is cross-gradient of well 01U617, suggesting that the 1,2-dichloroethene is the result of lateral dispersion of the remnant plume in the well 01U617 vicinity. It is unlikely, given the hydraulic data, that this represents lack of performance of the groundwater collection system. In any case, continued monitoring in this area will track future changes in this part of the plume.

Influent and effluent analytical results are presented in Table IV-9. Historically, the higher concentrations in the influent have corresponded to higher pumping rates. Table IV-10 presents the effluent priority pollutant scan results.

h. Conclusions

The Site K groundwater extraction and treatment system removed 11.1 pounds of VOCs in FY 1995 and continues to provide hydraulic capture of the VOC plume. Overall, the system has removed 119 pounds of VOCs since August 1986.

The Building 103 groundwater remediation system is effective in attaining the designed capture of VOC contaminated groundwater in Unit 1 at Building 103.

i. Site K Performance Monitoring Plan

No changes from the FY 1996 Monitoring Plan are proposed for FY 1997. Figure III-1 presents the FY 1997 Monitoring Plan. Completion of the TCAAP OU2 FS may necessitate Monitoring Plan changes consistent with the final remedial action at Site K.

4. Evaluation of TGRS Interim Remedial Action

a. Description of the Interim Remedial Action

In June 1986, the Groundwater Remediation Program Plan (GRPP) was developed for the Twin Cities Army Ammunition Plant (TCAAP). Figure II-1 presents the Site location map for TCAAP. The GRPP involved the development of a groundwater remediation system for Volatile Organic Compound (VOC) plumes at TCAAP and represents the first phase of the Alliant/Army remediation efforts at TCAAP. The second phase of the Honeywell/Army remediation was the construction of the Boundary Groundwater Recovery System (BGRS) completed in April 1987. Subsequent phases involve expansion of the remediation system to complete groundwater remediation on and off TCAAP. The scope of the Phase III efforts was based on the operational performance of the BGRS during Phase II and is designated the TCAAP Groundwater Recovery System (TGRS).

On August 12, 1987, a Federal Facility Agreement (FFA) between the U.S. Army, USEPA and MPCA was signed which formalized the TCAAP remedial program (the FFA became effective on December 31, 1987).

In September 1987 a Record of Decision (ROD) was prepared by the USEPA in order to implement the Interim Response Action Plan (IRAP) for TCAAP. The ROD provides specific criteria for the BGRS and TGRS. Following extensive interagency negotiations on the FFA and the ROD, the BGRS was started on October 19, 1987.

In accordance with Section 3.7.2 of Attachment 2 of the FFA and subsequent modifications, this section of the report serves as the Annual Monitoring Report and presents the monitoring results from the sixth year of operation of the TGRS, which began as an expansion of the BGRS on January 31, 1989. This report documents all performance and monitoring data collected from October 1994 through September 1995.

The Phase I BGRS consisted of six Unit 3 extraction wells (B1 through B6) which were connected by forcemain to an air stripping treatment facility. The TGRS was completed following an assessment of the performance of the initial six wells.

Following the initial 90-day operation of the BGRS, the IRA-BGRS Performance Assessment Report (PAR) was prepared. The PAR assessed the hydraulic and treatment performance of the BGRS. The PAR presented an extensive database collected during the initial 90 day period of BGRS operation and prior pertinent data. The PAR also included a summary of the geology, hydrogeology and remediation history for TCAAP. The PAR was subsequently approved by the MPCA and EPA. The conclusions of the PAR included:

1. The BGRS captured groundwater in the Unit 3 (Hillside Sand) aquifer across a continuous width of 3,400 feet at the southwest TCAAP boundary and this

capture widened to 4,900 feet at Sites D and G and provided for complete capture between extraction wells at the TCAAP boundary. Since it was intended that the BGRS would be expanded, there were no capture criteria for Phase I contained in the ROD.

2. The BGRS captured a portion of the Unit 4 (Prairie du Chien/Jordan) aquifer groundwater based on drawdowns observed in Unit 4 in response to pumping. This portion was not quantified.

3. The BGRS captured a portion of the Unit 4 VOC plume.

4. The Unit 3 VOC plumes were substantially captured by the operation of the BGRS. However, to the north of the system, a portion of the Unit 3 plume was outside of the BGRS capture zone.

5. During the 90-day assessment period, the BGRS treatment system extracted between 17.0 pounds/day and 28.6 pounds/day of VOCs with an average of 23.2 pounds/day.

6. Treated effluent exhibited trichloroethene concentrations consistently below 5 μg/l and below the contaminant specific requirements of the ROD for all other VOCs.

7. Effluent concentrations for metals, cyanide, PCBs, radon, radionuclides, base/neutral compounds and pesticides were all below contaminant-specific requirements of the ROD.

8. Phosphorus and orthophosphate analytical data indicated that discharge to Rice Creek would not significantly change the phosphorus concentrations in Rice Creek. Phosphorus loading in Rice Creek would increase from 0.22 percent to 1.3 percent over ambient levels.

9. The source control well (SC-1) at Building 502 (Site I) provided substantial capture of VOCs from Site I and meets the objectives of the FFA.

10. Recharge at the Arsenal Sand and Gravel Pit performs as designed and is acceptable as a water management option for treated water discharge.

11. Air emissions from the BGRS treatment system met the contaminant specific requirements of the ROD. VOCs were not detected upwind or downwind of the BGRS.

The PAR made recommendations for expansion of the BGRS into the TGRS in order to meet the Phase II remediation criteria established in the ROD. These modifications were completed and the expanded system began operation on January 31, 1989. The expansions to the system consist of:

1. Four Unit 4 and two additional Unit 3 extraction wells for a total of 12 extraction wells located along the southwest boundary of TCAAP,

2. Two additional pairs of Unit 3 source control extraction wells located immediately downgradient of Sites D and G for a total of five source control extraction wells,

3. An expanded treatment facility designed to accommodate additional flow from the TGRS. This included a fourth stripping tower and associated appurtenances, and

4. 4,400 feet of forcemain to connect the additional extraction wells.

The 1988 BGRS Annual Assessment Report and Monitoring Plan was completed in May 1989 and was approved by the MPCA on August 9, 1989. This report presented

the monitoring and performance data from the first year of BGRS operation (October 1987 to October 1988). The Annual Assessment Report concluded the following:

1. The BGRS produced a continuous zone of hydraulic capture that is approximately 3,400 feet in width at the TCAAP boundary under operating conditions. The capture extends through the entire thickness of the Unit 3 aquifer and an undefined portion of the Unit 4 aquifer.

2. The Unit 3 VOC plume was substantially captured by the BGRS. There exists a portion of the VOC plume outside of capture to the North. This portion of the plume is being addressed by the TGRS.

3. An undefined portion of the Unit 4 VOC plume was captured. Capture in Unit 4 is being addressed under the TGRS expansions to the system.

4. The VOC plumes at TCAAP showed little variation in configuration and relationship to capture from quarter to quarter during the 1988 operational year.

5. The VOC compounds benzene, toluene, 1,2-dichloropropane, xylenes and 1,1,2-trichlorotrifluoroethane were never detected in the influent above contaminant specific requirements. These compounds have typically not been considered target compounds at TCAAP. However, this is no longer correct for Site A.

6. The Arsenal Sand and Gravel Pit was found suitable to accommodate the treated water discharge under the conditions of the operational year.

7. The operational problems that resulted in a number of system shut downs during the year were addressed through physical improvements to the system and through the reinstatement of an operation and maintenance contractor.

8. In general, the hydraulic and treatment performance conclusions presented in the PAR continued to be supported by the BGRS database.

In addition, the 1988 Annual Monitoring Report recommended modifications to the Monitoring Plan based on the experience gained during the first year of BGRS operation. Briefly, the Monitoring Plan recommendations were:

1. Reduce the frequency of the groundwater level monitoring to one comprehensive round per year and monitor key locations during the remaining three quarters.

2. Reduce the frequency of groundwater sampling to one comprehensive round per year and monitor key locations (including PD2U3 and 03M005) during the remaining three quarters.

3. Increase the scope of the monitoring activities to address the expanded TGRS system.

4. Eliminate the non-target VOCs, listed in conclusion No. 5 above, from the influent/effluent sampling program and monitor for the same VOC compounds as for the monitoring wells.

5. Conduct analysis for metals from all extraction wells and the treatment system effluent on a quarterly basis in an effort to determine the source of the anomalous metals concentrations identified in the BGRS effluent.

6. Monitor the system effluent for Priority Pollutant Compounds on an annual basis to address the potential for the presence of non-target compounds at TCAAP.

7. Continue to monitor water levels and discharge rates with respect to the Arsenal Sand and Gravel Pit to assess its long-term suitability to accommodate TGRS discharge.

The 1989 Annual Monitoring Report presented the following conclusions based on detailed performance assessment of the expanded TGRS:

1. The TGRS develops a continuous zone of capture that is approximately 4,500 feet wide at the TCAAP boundary. The zone of capture widens to approximately 8,300 feet upgradient of the boundary. This zone of capture was demonstrated at average system pumping rates of 2,400 to 2,700 gpm.

2. Hydraulic capture in the Unit 3 extends beyond the 5 µg/l trichloroethene contour at the TCAAP boundary. This meets the VOC capture criteria in the EPA ROD.

3. Hydraulic capture in Unit 4 extends beyond the 5 µg/l trichloroethene contour at the TCAAP boundary. This meets the VOC capture criteria in the EPA ROD.

4. The TGRS extracted and treated 19,510 pounds of VOCs in FY 1989.

5. The VOC plumes showed little variation in configuration since 1988. This is consistent with previous conclusions that significant plume variations occur slowly at TCAAP.

6. All effluent metals sampling results were below the contaminant-specific requirements.

7. Effluent VOC concentrations were below contaminant-specific requirements for all but one sampling event. In this round, the criteria was slightly exceeded with

a trichloroethene concentration of 6.1 µg/l. However, the duplicate analysis yielded 2.7 µg/l.

8. The effluent priority pollutant scan indicated no parameters above the contaminant specific requirements. Base/neutral extractable organics, pesticides, PCBs and VOCs were not detected in the effluent.

9. Phosphorus sampling data exhibited a more consistent pattern than previous data. In particular, the orthophosphate data exhibited a consistent average concentration within a narrow confidence interval.

The 1989 Annual Monitoring Report was wider in scope than this or future annual monitoring reports for the TGRS. The 1989 report was both a performance assessment report and a monitoring report. The 1989 report represented the first year of operation of the expanded TGRS. Thus, a more detailed and exhaustive performance assessment was appropriate and possible as there were data available from non-pumping conditions for detailed comparison with pumping conditions. Since 1990 the system has continued to operate at an essentially steady state condition, so, no new comparisons to ambient conditions are necessary or possible.

b. Objectives

This section of the report presents the October 1994 through September 1995 operation of the TGRS. The schedule for reporting corresponds to the federal fiscal year (FY) (October through September) to facilitate meeting reporting schedules in the FFA/ROD. The fiscal year corresponds to the operational year since the BGRS was started in October 1987. The focus of this document is to report the FY 1995 performance of the TGRS in comparison to the groundwater capture and treatment criteria contained in the EPA ROD. Table IV-11 presents the capture and treatment criteria contained in the ROD. As discussed in the ROD, capture and treatment criteria

may be changed by regulators in the future. Future objectives will address the criteria established at that time.

The two specific objectives of this report are:

1. Chemical/Hydraulic Capture Delineation

The first objective is to delineate of the hydraulic zone of capture induced by operation of the TGRS. Hydraulic capture is compared to the Phase II chemical capture criteria presented in the EPA ROD. Capture is discussed in Section g., with groundwater contour maps of the aquifer drawn from field data. Confidence that groundwater contour maps accurately represent the aquifer performance of the TGRS was gained during the exhaustive performance assessment in the 1989 Annual Monitoring Report.

Groundwater modeling was also performed as part of the OU2 FS. The reader is referred to the OU2 FS for details on the modelling.

In Section g., the hydraulic zone of capture is compared to the VOC isoconcentration maps to determine if the criteria have been met. The observed performance data form the core of the capture delineation.

2. Treatment System Performance Assessment

The second objective is to report the treatment performance of the TGRS with regard to the treatment criteria presented in the ROD. This objective is met through the presentation of extensive analytical data and operational data collected at the Site. These data allow calculations of the mass of VOCs removed and the removal efficiency.

System operational data are presented to demonstrate the mechanical performance of the system. This includes a quantification of down time and discussion of remedies implemented as a result of down time.

c. Relevant Activities During FY 1995

The TGRS continued to operate consistent with past operational years. Work on the TCAAP OU2 FS continued in FY 1995 and will address the TGRS in the context of a final remedy for OU2.

d. Monitoring

1) Groundwater

Groundwater samples and groundwater levels were collected in March 1995 and September 1995 in accordance with the FY 1995 Monitoring Plan. Samples were analyzed for VOCs.

2) Treatment System

The TGRS treatment system was sampled monthly during FY 1995 in accordance with the FY 1995 Monitoring Plan. TGRS influent and effluent were sampled monthly for VOCs. The TGRS effluent was also sampled monthly for metals. In March 1995, the effluent was analyzed for Target Analyte List/Target Compound List (TAL/TCL) compounds.

e. System Design Approach Summary

1) BGRS Pumping Tests

The initial six BGRS extraction wells (B1 through B6) were installed and pumping tests conducted prior to start up of the BGRS. These pumping tests were documented in the BGRS Extraction Well Pumping Test Report. Both step drawdown tests and constant rate tests were performed. Table IV-12 presents a

summary of the transmissivities calculated from these pumping tests. Storativities were not calculated since the aquifer is unconfined or weakly confined along the TCAAP boundary and pumping did not extend a sufficient period of time to characterize the delayed yield response for the aquifer.

As Table IV-12 shows, the transmissivities exhibit reasonable consistency along the entire TCAAP boundary (ranging from about 26,000 to 38,000 ft^2/day). At the time of the BGRS Extraction Well Pumping Test Report, it was believed that these values reflected Unit 3 alone, and the interconnection of the Unit 3 and Unit 4 aquifers was largely ignored. What was unusual was that the Unit 3 thickness varied by a factor greater than 2 along the southwest TCAAP boundary. It would be expected that the transmissivities would vary more or less directly with the thickness of the unit. This thickness variation was not reflected in the pumping test results.

Subsequent to the BGRS Pumping Test Report, it was recognized that the entire Unit 3 and Unit 4 aquifers respond as a single, layered aquifer with vertical variation in hydraulic conductivities. This is based on observations of drawdown across the entire Unit 3/Unit 4 thickness in response to pumping either Unit 3 or Unit 4. Thus, it is not surprising that the transmissivities remain constant along the entire boundary since, although the Unit 3 varies substantially in thickness, the combined Unit 3 and Unit 4 thickness remains relatively constant.

2) TGRS Design

The PAR recommended the installation of one additional Unit 3 extraction well and four Unit 4 extraction wells. The PAR proposed pumping rates for these new wells and also proposed to increase the pumping rate of B1 to 350 gpm. It was agreed, however, after submission of the PAR, that a second Unit 3 extraction

well (B11) would be installed southeast of B1, rather than increasing the pumping rate at B1.

The PAR also recommended two pairs of extraction wells downgradient of Sites D and G to provide source control of these Sites and to enhance VOC mass removal.

In the PAR, it was recommended that a pumping test be conducted on Unit 4 extraction well B9 to refine the final design of the TGRS. The pumping test on well B9 was conducted in August 1988 and formed the basis of the final design of the TGRS. This and the previous pumping tests were utilized to determine the pumping rate required to achieve the necessary zone of capture for the TGRS. The overall rate needed for the 17 extraction wells was determined to be 2,450 gpm. During the detailed design of the TGRS, the system was designed with the capacity to operate at a maximum theoretical rate of 2,900 gpm. The additional pumpage was included to provide a safety margin for the calculations and to allow for fluctuations in system operation.

In November 1989, the Aquifer Characterization Study was prepared as a supplement to the Honeywell Off TCAAP study, Phase III. This report presents a detailed evaluation of four pumping tests conducted on and off TCAAP and correlates these with TGRS performance. From these analyses, the groundwater flux in Unit 3 and Unit 4 across the southwest TCAAP boundary was calculated. The Aquifer Characterization Report includes an analysis of the B9 pumping test. The results of the B9 pumping test are also included in the 1989 Annual Monitoring Report.

To summarize, the B9 test indicated the following aquifer parameters along the southwest TCAAP boundary:

Unit	Transmissivity (ft^2/day)	Thickness (ft)	Hydraulic Conductivity (ft/day)
Hillside Sand (Unit 3)	21,424	156	137
Prairie du Chien (Unit 4)	3,160	37	85
Jordan Sandstone (Unit 4)	4,140	90	46
Bulk Transmissivity	28,724	283	--

The bulk transmissivity from the Unit 4 B9 test matches the typical results from the B1 through B6 Unit 3 tests. This match strongly supports the conclusion that Unit 3 and Unit 4 respond as a single thick aquifer and that the consistent transmissivities along the boundary represent the entire aquifer thickness.

f. TGRS Engineering Controls

The overall design of the TGRS was developed with respect to the following guidelines:

- maximum anticipated groundwater extraction rate from the various extraction wells;
- maximum anticipated flow rates through the various legs of the forcemain;
- maximum anticipated throughput in the treatment center;
- multiple treated water discharge points;
- appropriate piping and equipment sizing to handle changes in flow rates;
- match equipment and structure sizes appropriately;
- flexibility to operate the system with portions of the system shut down;
- long term operational life;
- automatic operation requiring a daily system check, regularly scheduled maintenance and emergency response as required.

The operation of the TGRS involves the following processes in series: groundwater extraction, transmission of extracted groundwater to the treatment plant, groundwater treatment, transmission of treated water to an end-use, and treated water discharge.

Each process is operated continuously (i.e. there is not batch movement of water from process to process). System oversight consists of a daily inspection of operations and key system components with periodic maintenance and emergency response as needed. Operations, therefore, are extensively automated with continuous system monitoring and supervision provided by a programmable logic controller (PLC).

The following presents an overview of the entire TGRS mode of operation. A detailed explanation of system operation and design are contained in the Final Engineering Report and the TGRS Operation and Maintenance Manual. The Final Engineering Report and TGRS Operation and Maintenance Manual were issued in January 1991.

1) Summary of Operations

Groundwater is extracted from 12 wells along the southwest boundary of TCAAP (B1 through B12) and five wells downgradient of interior source areas on TCAAP (SC1 through SC5). Submersible pumps in the extraction wells discharge into a common pressurized forcemain which carries the water to the treatment system. The treatment system is located adjacent to Building 116. The TGRS layout is presented on Figure IV-25.

Flow into the treatment plant from the forcemain is evenly split and directed to the top of two air stripping towers (Towers 1 and 2). The water is distributed over polypropylene packing and flows downward by gravity, through the tower packing. Air is forced upward through the packing using the tower blowers thereby volatilizing organic compounds from the water towers. The air discharges through moisture eliminators and exhausts out the top of the towers.

The primary treated water drains into two concrete wet wells beneath Towers 1 and 2. The wet wells are connected by a sluice gate which provides combined or parallel operation of Towers 1 and 2. Wet Well Pumps 1 and 2 (WWP#1 and WWP#2) transfer the water from Wet Well 1 and Wet Well 2, respectively, to the top inlet of Tower 4 and Tower 3, respectively, for final treatment. The water is again distributed over packing with continuous counter-current air flow and the water flows downward through the tower packing into the third wet well.

Wet Well Pumps 3 and 4 (WWP#3 and WWP#4) transfer the treated water from Wet Well 3 to a pressurized, 16"-diameter discharge forcemain and on to one or more of the discharge outlets.

The TGRS is designed and constructed with three options for treated water discharge: recharge at the Arsenal Sand and Gravel Pit, discharge to Rice Creek and discharge to the TCAAP plant's water tower. Water stored in the tower is polished with GAC prior to distribution at TCAAP. Currently, the Arsenal Sand and Gravel Pit option is utilized for the majority of treated water. The TCAAP, through its elevated water tower, uses 142,000 to 232,000 gallons per work day, depending on the time of year.

2) System Operation Specifications

In general, the influent and effluent water flow rates at the treatment plant are designed to be equal, thereby providing continuous operation of all processes and equipment. The following is a summary of the system design parameters:

- The groundwater extraction system, including the treatment center and 17 TGRS extraction wells, has been designed to provide a theoretical hydraulic capacity of 2,900 gpm and a sustained daily average capacity of 2,730 gpm. The average rate of 2,730 gpm is the practical hydraulic

capacity of the current system configuration and is not used in the determination of the required zone of capture. Refer to Table IV-13 for individual design flow rates.

- The influent to the treatment plant is divided between Towers 1 and 2, each receiving up to a maximum of 1,450 gpm.

- Wet Well Pumps 1 and 2 (located in Wet Wells 1 and 2) transfer water to Towers 4 and 3, respectively. Each pump and tower handles up to a maximum of 1,450 gpm.

- Wet Well Pumps 3 and 4 (located in Wet Well 3) discharge treated water to an end use at a combined rate of up to a maximum of 2,900 gpm.

- Air blowers provide air to the towers. The blowers for Towers 1 and 2 provide 6,000 - 7,000 scfm each. The blowers for Towers 3 and 4 provide 9,000 - 14,000 scfm each.

- Water level sensors within the wet wells communicate with the PLC according to changing water levels. A complete and balanced operation should provide continuing water levels above the low level switches and below the high-level indicator switches. However, given the probability of unbalanced flows for any number of reasons (i.e. changing hydraulic heads, maintenance, repairs, temporary malfunctions), the PLC has provisions within its program to cycle-off the extraction well or wet well pumps according to high water levels occurring in the wet wells; and in turn, cycle-off the wet well turbine pumps according to low levels occurring within these wet wells. The system operates such that the wet well pumps cycle off rather than the

extraction well pumps. The rationale behind this is that there are a relatively small number of motors, starters and electrically controlled valves associated with the wet wells when compared with the extraction well field. This also provides for more continuous and complete hydraulic capture within the aquifer units. The extraction well field will cycle if necessary, however, starting with the least contaminated extraction well, B12, and followed by the other extraction wells in a predetermined sequence. The programmed shut-down sequence is presented in Table IV-14.

In summary, the priority of operation is as follows:

1. Maintain constant operation of all extraction wells and air stripping towers;

2. Maintain the desired flow rates at individual wells as presented in Table IV-13;

3. Maintain treatment center WWP#1 and WWP#2 pumping rate equal to or slightly above the combined flow of the extraction well field;

4. Maintain treatment center WWP#3 and WWP#4 pumping rate equal to or slightly above WWP #1 and #2; and

5. Provide water to the water tower.

3) 1995 Operational Performance

a) Overall System Performance

FY 1995 was the seventh year of operation of the expanded TGRS system. During October 1994 to September 1995 the system treated 1,390,096,000 gallons of water (Meters #1 and #2). The monthly and annual volume of water pumped is presented in Tables IV-15 and IV-16. Table IV-15 presents the pumphouse metered monthly flow volumes of each extraction well and historical flow data. Table IV-16 presents the combined pumphouse-metered flow volume (extraction wells) and the flow volumes metered at various stages in the treatment center along with historical data.

b) Monthly Flow Reports

Each month a Monthly Flow Report is prepared. The report contains the month's meter totalizer readings and the calculated flow volumes. Flow volumes are presented on a daily basis and are totaled to provide a monthly flow volume. A compilation of 1995 Monthly Flow Reports is presented in Appendix H.1. During FY 1995, treatment center flow meters #1 and #2 were used to measure total flow volumes used in monthly reports because they are the most accurate and representative of actual flow. Daily variation at individual wells is primarily due to differences in time of day when meter readings were taken.

c) Extraction Well Down Time and System Down Time

The down time for extraction wells is presented in Table IV-17. The down time presented in Table IV-17 includes the number of days the system was down for maintenance.

Treatment center and extraction well down time has resulted chiefly from the areas of painting, trouble shooting and repairs, TCAAP electrical service failures, preventive maintenance, and system modification.

d) Description of Down Time Areas

System Modifications: System modifications caused virtually no down time in FY 1995. System modifications consisted of relocating overhead powerlines. The relocation allows the extraction wells to be serviced without interference from overhead power lines. These modifications caused approximately 1.3 days of down time.

Troubleshooting/Repairs: Repairs to treatment center valves and wet well pumps were responsible for approximately 3.9 days of total system down time. Repairs to pumphouses typically involved repair or replacement of submersible pumps and motors and/or cleaning iron or manganese sludge from the well and piping. Pumphouse repairs accounted for approximately 0.8 days of total system down time.

TCAAP Electrical System Failures: All electrical power to the TGRS is provided by the TCAAP electrical system. The TCAAP system suffered few failures in 1995. Down time from power outages accounted for approximately 0.3 days of the total system down time.

Preventive Maintenance: Preventive maintenance, as described in the Operation and Maintenance manuals, accounted for approximately 1.7 days of total system down time.

Compilation of down time days and categories is presented in Table IV-18.

e) 1995 Operating Performance

The TGRS successfully captured and treated 1,390,096,000 gallons of contaminated water from October 1994 through September 1995. The system pumped at an average of 2,645 gpm or 108 percent of the quantity of water necessary to achieve capture based on demonstrated capture at 2,450 gpm in 1989. The TGRS was operational over 98 percent of the time. This is comparable to the 1994 operating year in which the system also operated over 98 percent of the time and pumped 103 percent of the quantity required for capture.

Preventive Maintenance (PM): The extensive PM program allowed the operations staff to identify and repair or replace equipment to avoid a downtime failure. When required, further repair work was scheduled rather than waiting for the failure to occur. A broad range of system-specific information was collected during this year's PM. This information was used to refine the content and frequency of PM procedures.

Electrical Inspection and Temperature Survey: A system-wide electrical inspection and infrared temperature survey was performed to identify loose connections and overheating components. Component overheating often precedes equipment failure.

Verification of Flow Meters: As part of the annual PM, flow meters in the pumphouses were removed, cleaned and recalibrated. Treatment center flow meters M1 & M2 and M3 & M4 were interchanged. Flow volume measurements before and after conducting maintenance on the meters were compared to verify consistency of measurement. Treatment center meters M5 and M6 were not interchanged. M5 has failed and is no longer in

service, if needed, it will be repaired. M5 and M6 are used for process measurement only.

Daily Tracking of Flow Rates: Pumphouse and treatment center meter readings were recorded in the course of the daily inspection. Daily meter readings were entered into the computer and the flow rates were calculated and reviewed by the operations staff. Early detection of changes in flow rate were critical in early identification of failing equipment. By early detection of flow rate changes, the equipment repair was scheduled before a failure occurred.

Pumphouse Flow Tests and Motor Amperage Readings: Pumphouse lift systems were tested to determine the present flow capacity and motor amperage draw. The test data were compared to the original flow capacity and amperage draw. Decreases in flow capacity or changes in current draw alerted the system operations staff to inspect suspect equipment and schedule repairs before a down time failure occurred.

g. Performance

1) Hydraulic Performance

a) Groundwater Capture

The zone of hydraulic capture for the TGRS in FY 1995 was determined by contouring the March 1995 and September 1995 water level data. Contours were constructed manually. Past site experience and discussions with MPCA and EPA determined that manually constructed contours are appropriate at TCAAP due to the complexities of the flow field and the resulting need for hydrogeological expertise in interpreting the flow field.

Confidence in the groundwater contours was gained during the detailed analysis presented in the 1989 Annual Monitoring Report. This included pumping test analysis, drawdown analysis and vertical gradient analysis. We refer the reader to the 1989 report for a complete analysis of hydraulic capture.

Appendix F.1 contains the water level database for the monitoring wells. Figures IV-27, IV-29, and IV-31 present the groundwater contours for upper Unit 3, lower Unit 3 and Unit 4, respectively for March 1995. Figures IV-28, IV-30, and IV-32 present the groundwater contours for early September 1995. These figures are also presented full size as Plans 21, 22, 23, 24, 25 and 26. These plans and figures present the potentiometric contours from three vertical portions of the aquifer. For each level, the horizontal extent of capture is nearly identical. This strong similarity between upper Unit 3, lower Unit 3 and Unit 4 contour patterns illustrates that the capture is vertically continuous across the aquifer at TCAAP. This is as expected since Unit 3 and Unit 4 are hydraulically connected and act as a single, thick aquifer. This continuity was discussed thoroughly in the 1989 Annual Monitoring Report.

Inspection of these figures indicates a broad area of very low horizontal gradients immediately southwest of the TGRS, which is indicative of a stagnation zone downgradient of the TGRS. In the southern portion of the TGRS there are insufficient wells to accurately contour Unit 4 capture in this part of the Site. The flat gradients do indicate there is capture of bedrock groundwater by Unit 3 extraction wells. Contaminants are not currently in Unit 4 in this area; therefore, Unit 4 is not of concern for remediation in this area of the Site and further definition of Unit 4 capture is not needed.

The flow field is quite similar to that presented in the 1989 through 1994 Annual Monitoring Reports. This is as expected since the groundwater extraction system has been operating at an essentially steady rate throughout these years. Past investigation did not indicate significant changes in the ambient flow pattern during non pumping conditions at TCAAP. It follows that under constant pumping, capture would remain constant.

Appendix F.2 contains selected hydrographs from wells throughout TCAAP. Review of the hydrographs indicates that water levels declined slightly, approximately one foot, during FY 1995. This decline began in early 1994. These observations are based on the 007 and 012 well nests. These two nests represent background conditions as they are relatively far from the TGRS wells and the gravel pit. These decreases are less than 1 percent of the overall aquifer thickness and therefore, do not impact the overall transmissivity of the aquifers. Thus, the water level decreases do not indicate any significant change in the groundwater flux beneath the site.

b) Arsenal Sand and Gravel Pit Discharge Water Balance

The water elevation in the Arsenal Sand and Gravel Pit is usually measured via two staff gauges (SG1 and SG2). During FY 1995, the staff gauges were damaged and not repaired in time for the water level rounds. Over the last several years, water elevations in the Arsenal Sand and Gravel Pit generally followed the background water-level increases. These stable water levels in the Gravel Pit illustrate that water is not accumulating there. Based on visual observation during FY 1995, there were no noticeable changes in Gravel Pit performance. The Gravel Pit is easily accommodating the TGRS discharge as designed.

2) Chemical Performance Assessment

a) VOC Plumes

Plan 27, Plan 29 and Plan 31 present the trichloroethene contours for Upper Unit 3, Lower Unit 3, and Unit 4 aquifers based on the March 1995 sampling data. These plans are also included here as Figure IV-33, Figure IV-35 and Figure IV-37. Plan 28, Plan 30 and Plan 32 present the 1,1,1-trichloroethane contours for the Upper Unit 3, Lower Unit 3 and Upper Unit 4 respectively. These plans are also presented as Figure IV-34, Figure IV-36 and Figure IV-38.

Along the TCAAP boundary the width of the VOC plume above 5 µg/l trichloroethene has been shrinking since approximately 1993. Well nest 001 has historically defined the northern edge of the plume along the site boundary. However, wells 04U001 and 03L001 have consistently been below 5 µg/l since 1993. Currently, there are no Unit 3 wells north of B7 above 5 µg/l trichloroethene. In Unit 4, only wells 04U714 and 04U713 are above 5 µg/l and these are both less than 1 µg/l above 5 µg/l . These declining VOC concentrations show that the TGRS has successfully reduced the plume concentration in this portion of the site.

Unit 3 extraction well B11 (Figure IV-33)was added to the TGRS, at the request of EPA and MPCA, to assure sufficient capture at the south TCAAP boundary. Shortly after pumping at B11 commenced, the VOC concentration at 03U003 began to increase. This observation led to a decision to reduce the pumping rate at B11 from 250 gpm to 100 gpm and move the excess pumpage to well B10. This decision was made because it appeared the high pumping rate at B11 was causing the plume to widen to the south resulting in the concentrations increase at 03U003. The 1989

AMR discusses this modification. Consequently, the trichloroethene concentration at well 03U003 has decreased from 1,800 µg/l trichloroethene in 1990 to 110 µg/l in March 1995. The apparent concentration decrease at well 03U003 since 1990 appears to be the result of the reduced pumping at B11.

The zone of capture created by the TGRS extends beyond the 5 µg/l trichloroethene contour along the entire southwest TCAAP boundary.

b) Extracted Groundwater Quality

As discussed in Section IV.A.4.f.3.a, the TGRS extracted and treated 1.4 billion gallons of water from October 1994 through September 1995. Based on the monthly influent and effluent VOC concentrations (see Section IV.A.4.g.2.b) and the monthly flow totals measured with meters #1 and #2 (see Section IV.f.3.b), the TGRS removed a total of 13,355 pounds of VOCs from October 1994 through September 1995. The VOC mass is significantly (14%) lower than the FY 1994 VOC mass removal of 15,070 pounds. The VOC mass removal rate for the TGRS has been declining since FY 1992. This reflects the overall decrease in plume strength. Table IV-19 summarizes the individual VOC mass contribution of each extraction well and the entire system.

The total mass removed is based on the monthly TGRS influent and effluent sampling. The percent contributions for each well are based on the average flows from each well and the semi-annual VOC results from each well. When calculating the number of pounds of VOCs for each well, the flows and concentrations were normalized to the treatment center flows and concentrations to correct for variance between flow meters in the well houses and for consistency between VOC concentrations at the wells and

monthly VOC concentrations in the influent and effluent. We assumed that the monthly sampling of the treatment system provides the best estimate of overall mass removal rather than the individual extraction well sampling due to the larger number of samples and consistency in the month-to-month analytical results.

VOC samples were collected semi-annually from the 17 extraction wells that comprise the TGRS. Table IV-20 presents a summary of these sampling results. Variations in detection limits from round to round are the result of varying sample dilutions performed by the laboratory. Dilutions are required due to high concentrations of some analytes. The location of the extraction wells is presented on Figure IV-25.

Historically, the predominant VOC in wells B1 and B2 was trichloroethene, followed by 1,2-dichloroethene. This profile is consistent with the expected profile for wells located within the south plume, emanating from the Building 502 vicinity. In FY 1992, the relative concentration of 1,1,1-trichloroethane to 1,2-dichloroethene increased and the two were approximately equal in concentration. By FY 1993, 1,1,1-trichloroethane became the second highest concentration VOC at B1 and B2 and remained so in FY 1995.

Over time the 1,1,1-trichloroethane to trichloroethene ratio increased at well B3. This trend was first observed near the end of the 1990 operational year. By FY 1992, 1,1,1-trichloroethane became the highest concentration VOC at B3. In FY 1995 the two were approximately equal. It is not unusual to have variations in plume composition over time or in different geographic areas.

The remaining boundary extraction wells (B4 through B10, B12) exhibit trichloroethene as the primary VOC followed by 1,1,1-trichloroethane. This chemical profile is consistent with wells located in the north plume which emanate from source areas D and G.

The source control wells (SC1 through SC5) exhibit similar relationships to their respective source areas. At SC1, located adjacent to Building 502, the secondary VOC is 1,2-dichloroethene, while at SC2 through SC5, downgradient of Sites D and G, the secondary VOC is 1,1,1-trichloroethane.

Appendix G.1 presents trichloroethene versus time graphs for each extraction well. Wells B1, B2, B6, B7, B8, B9, B10, B11, B12, SC2, SC3 and SC5 exhibit declining trichloroethene concentrations over time. As is typical, these wells exhibit asymptotic decreases over time. Wells B3, B4 and SC4 exhibited rising trichloroethene concentrations with time which now appear to be leveling off. Well B5 was increasing through 1992 but now appears to be decreasing. Overall, the graphs indicate a long-term decrease in VOC concentrations. Extraction wells B7 and B12 were both below the contaminant-specific requirement for trichloroethene (5 µg/l), and all other VOCs, throughout FY 1995. B12 has been below the criteria since FY 1992.

These trends reflect the overall decline in plume concentration. In addition, as discussed below, there has been a reduction in overall TGRS influent concentrations over the previous couple of years. These trends also indicate a redistribution of the plumes due to the changes in flow. The changes in flow are due to pumping stresses.

VOC mass removal rates are summarized for each extraction well in Table IV-19. The mass removal rates are based on average pumping rates

over each monitoring interval. As Table IV-19 illustrates, the greatest degrees of mass removal are achieved by wells B1, B4, B5, B6, SC2 and SC5, which are located in the centers of the plumes. These six wells each recovered 400 pounds to over 4,000 pounds of VOCs and accounted for 95 percent of the VOC mass removed. Well B5, located in the center of the north plume, removed 29.9 percent of the total VOC mass. Wells B7, B10, B11 and B12, which pump on the south and north edges of the plume, removed only about 29 pounds (0.18%) of the total VOC mass.

The source control wells, SC1 through SC5, together accounted for 36 percent of the VOC mass removed while accounting for only 12 percent of the water pumped by the system. SC5, in particular, removed 33 percent of the total VOC mass at a rate of only approximately 100 gpm. This illustrates the efficiency of extraction from near the source areas. Extraction well SC4 is removing significantly less VOC mass than the other extraction wells. It appears that SC4 draws relatively low concentration water from between Source Areas D and G. This suggests that the VOC plume near Source Area D is much narrower than indicated by the monitoring well network.

c) Groundwater Treatment

i) VOCs

Influent and effluent water were sampled on a monthly basis during FY 1995. Table IV-21 presents a summary of the influent and effluent data. TGRS influent is labeled TGRSI and effluent is labeled TGRSE in Appendix G.2. Figure IV-26 presents a graph of influent trichloroethene versus time. This graph is cumulative and includes previously reported BGRS data. Influent concentrations were declining

in FY 1995. The average FY 1995 influent trichloroethene concentration was 800 µg/l, down from 1,083 µg/l in FY 1994. Since the full-scale start-up of the TGRS, influent concentrations have not exhibited a clear trend until approximately 1993, when a decrease appeared to be occurring. The decline corresponds to this decrease in VOC mass removal discussed earlier.

Figure IV-26 also includes a summary of the effluent trichloroethene concentration versus time. As indicated, effluent has remained below 5 µg/l trichloroethene for all sampling events in FY 1995. A review of the 1995 database indicates that the effluent has also remained below the Contaminant Specific Requirements for all other VOC compounds in the ROD. Comparison of influent and effluent trichloroethene concentrations indicates an average removal efficiency over 99.9 percent.

ii) Annual Effluent TAL/TCL Scan

Appendix G.2 includes the results of the annual effluent TAL/TCL scan conducted in March 1995. Semi-volatile compounds were not detected. Base/neutral extractable organics were not detected. Pesticides were not detected. PCBs were not detected. These compounds are not expected to be present in TGRS effluent. The TAL/TCL scan is conducted as a precautionary measure since some of these chemicals have been identified in TCAAP soils. These compounds potentially could be present in groundwater.

No metals were identified in the TAL scan above the contaminant specific requirements in the ROD.

iii) Metals

In addition to the TAL scan, samples for metals analyses were collected monthly from the system effluent. Metals, specifically lead and cadmium, have been sporadically detected above contaminant specific requirements in the effluent and in a few monitoring wells.

The 1995 effluent metals analyses did not exhibit any metals exceeding the contaminant specific requirements in the ROD. Table IV-22 presents the effluent metals and cyanide summary. In particular, lead and cadmium were not detected in the TGRS effluent during FY 1995.

d) Air Emissions

The air stripping towers remove VOCs with an efficiency of over 99.9 percent. Thus, the air emissions are essentially equal to the VOC mass removal rates presented in Table IV-19. Air emissions therefore averaged 32.3 pounds/day based on the VOC mass removal rates. The total VOC emissions from October 1994 through September 1995 were 13,355 pounds.

h. Conclusions

1. The TGRS is maintaining a continuous zone of capture that is approximately 5,000 feet wide at the TCAAP southwestern boundary. The zone of capture widens to over 6,000 feet upgradient of the boundary. Data from nested wells at three levels within the aquifer demonstrate that this extent of capture is also vertically continuous. This zone of capture was demonstrated at an average system pumping rate of approximately 2,645 gpm.

2. Hydraulic capture in Unit 3 extends beyond the 5 µg/l trichloroethene contour at the TCAAP boundary. This meets the VOC capture criterion in the EPA ROD. To the northwest, the capture extends over 1,500 feet beyond the 5 µg/l contour.

3. Hydraulic capture in Unit 4 extends beyond the 5 µg/l trichloroethene contour at the TCAAP boundary. This meets the VOC capture criterion in the EPA ROD.

4. The TGRS extracted and treated 1,390,096,000 gallons of water and removed 13,355 pounds of VOCs from October 1994 to September 1995.

5. The VOC plumes show a reduction in overall extent since 1988. In particular, the Unit 3 monitoring wells north of extraction well B7 were below the contaminant-specific requirements for all VOCs. Unit 4 wells north of B10 were generally below 5 µg/l with two wells between 5 µg/l and 6 µg/l.

6. All effluent metals sampling results were below the contaminant-specific requirements.

7. Effluent VOC concentrations were below contaminant-specific requirements for all sampling events.

8. The effluent priority pollutant scan indicated no parameters above the contaminant-specific requirements.

i. Recommendations

Recommendations for TGRS operational modification are addressed in separate correspondence.

j. TGRS Performance Monitoring Plan

A number of reductions to the monitoring plan are proposed for FY 1997. The reductions are based on a review of the monitoring needs in the context of an overall shift to performance monitoring. Completion of the OU2 FS may necessitate additional changes consistent with the final remedy. Table III-1 presents the proposed FY 1997 monitoring plan.

B. SITE CHARACTERIZATION

1. Objectives

The objective of OU2 site characterization is to collect data regarding known and potential disposal areas in support of feasibility studies leading up to the selection of final remedies. Once final remedies have been implemented, performance monitoring will replace the characterization monitoring.

2. Relevant Activities During FY 1995

Activities related to OU2 which occurred in FY 1995 included review and revisions to the OU2 FS, initiation of a Remedial Design/Remedial Action (RD/RA) Work Plan, initiation of the Outdoor Firing Range Phase II Report, completion of the draft Grenade Range EE/CA, completion of soil washing/leaching activities at Site F, and completion of the field work portion of the Unexploded Ordnance (UXO) Characterization and Removal project.

The draft OU2 FS report was prepared by Montgomery Watson and submitted for review by the MPCA and the USEPA. The document is in the review and revision period and is scheduled to be finalized in FY 1996. The OU2 ROD is also scheduled to be completed in FY 1997.

Montgomery Watson also initiated work on the OU2 RD/RA Work Plan. This document will ultimately be completed after the final OU2 FS report and is also scheduled to be completed in FY 1997.

The draft Grenade Range EE/CA was completed by Wenck in September 1995. The EE/CA is currently under Army review and may be finalized in FY 1997, depending upon availability of funds.

The Outdoor Firing Range Phase II sampling was completed in FY 1995 and the final report is scheduled to be submitted to the regulators in FY 1997.

At Site F, soil washing/leaching was completed in August 1995. A total of approximately 20,000 tons of soil were treated. Final closure is anticipated in FY 1996, upon completion of backfilling, grading, and other miscellaneous activities.

Also at Site F, a previously unknown farmstead well was discovered during the Site F closure activities. FCC contracted Thein Well Company to seal the well in accordance with Minnesota Department of Health requirements. The well was sealed in early FY 1996 (October 1995).

3. Monitoring

During FY 1995, a total of 185 out of 190 OU2 monitoring wells (Sites A, I, and K not included) were monitored for water quality, water level, or both. Eleven water quality samples and three water levels were either not collected or missing. The missing data is

being researched by GES with the intent of entering the data into IRDMIS. The FY 1995 monitoring plan is included in Appendix D.

4. Characterization Evaluation

a. Groundwater Flow

1) Upper Unit 1

Unit 1 is discontinuous beneath TCAAP and is primarily a concern only at Sites A, B, C, I, J, and K. Unit 1 is generally absent in the central portion of TCAAP where glacial kame deposits (Unit 3) occur at the surface. Groundwater elevation contour maps are presented and discussed in the sections of this report regarding Sites A and K.

2) Upper Unit 3

Groundwater elevation contours for OU2 upper Unit 3 are shown on Figures IV-27 and IV-28 (Plan Sheets 21 and 22) for March and September 1995, respectively.

The general groundwater flow direction in upper Unit 3 is to the southwest, which is consistent with last year's interpretation. Local variations in flow direction range from west to south. Detailed discussion of pumping effects on groundwater flow conditions in the vicinity of the TCAAP Groundwater Recovery System (TGRS) is presented in Section IV.A.4.

Compared to last year, groundwater elevations in upper Unit 3 are approximately one foot lower. Horizontal hydraulic gradients calculated from groundwater

elevation contours at various on-post locations are similar to last year's and indicate a range of approximately 0.003 to 0.001 feet per foot.

3) Lower Unit 3

Figures IV-29 and IV-30 (Plan Sheets 23 and 24) present OU2 lower Unit 3 groundwater elevation contours using March and September 1995 data, respectively. The groundwater flow direction in lower Unit 3 is generally to the southwest, similar to that of upper Unit 3. Detailed discussion of pumping effects on groundwater flow conditions in the vicinity of the TGRS is presented in Section IV.A.4. Groundwater elevations are about one foot lower than last year. Horizontal hydraulic gradients calculated from the groundwater elevation contours at various on-post locations indicate a range of approximately 0.003 to 0.0008 feet per foot.

4) Upper Unit 4

Figures IV-31 and IV-32 (Plan Sheets 25 and 26) show OU2 upper Unit 4 groundwater elevation contours using March and September 1995 data, respectively. Figures IV-31 and IV-32 show that OU2 groundwater in upper Unit 4 flows to the southwest with little variation. Detailed discussion of pumping effects on groundwater flow conditions in the vicinity of the TGRS is presented in Section IV.A.4.

Groundwater elevations are approximately one foot lower than last year. Horizontal hydraulic gradients calculated for the groundwater elevation contours at various on-post locations indicate a range of approximately 0.003 to 0.001 feet per foot.

b. Groundwater Quality

1) General

The purpose of this section is to discuss the overall extent of contamination for OU2. The discussion focuses on VOC contamination and is based primarily upon the groundwater quality contour maps presented as Figures IV-33 through IV-38 (Plan Sheets 27 through 32) and cross-sections A-A' and B-B' presented as Figures III-10 and III-11 (Plan Sheets 14 and 15).

The cross-sections provide a perspective of the vertical extent of the trichloroethene and 1,1,1-trichloroethane concentrations over the entire study area for each plume. The cross-sections also show the wide range of elevations that the upper, middle, and lower wells are screened at, indicating that the well designation is not an accurate indication of the well placement in all cases.

Discussion of specific sites or areas is provided later in this section, including trends in contaminant concentrations. Because inorganic monitoring was limited during FY 1995, this entire section is devoted to groundwater quality with respect to VOCs. All statements and interpretations should be regarded as referring to VOC groundwater quality only.

a) Upper Unit 1

The Unit 1 aquifer is discontinuous beneath TCAAP, principally occurring beneath the northern, western, and southwestern portions of the site. Groundwater impacts are not widespread in Unit 1, but contamination is present near Sites A, I, and K. Because the impacts are limited to these relatively localized areas, overall groundwater quality contour maps were not prepared for Unit 1. For the purposes of this report, detailed maps of Site A

have been prepared to illustrate groundwater quality contours and are presented in Section IV.A.1. Discussion of groundwater quality for Sites A, I, and K are provided in Sections IV.A.1, IV.A.2, and IV.A.3 of this report, respectively.

b) Upper Unit 3

i) Background Conditions

Background conditions for organic groundwater quality at TCAAP are provided by monitoring wells near the upgradient (eastern) property boundary. Upper Unit 3 wells monitored for this purpose (03U007 and 03U009) were sampled during FY 1994, 03U009 was also sampled during FY 1995.

There were no detections in well 03U007 in FY 1994. Similarly, no detections were observed in well 03U009 in FY 1994 or FY 1995.

ii) Contaminant Plume Characterization

A. Trichloroethene

Trichloroethene continues to be the most prevalent contaminant, both on-post and off-post, with respect to concentration values. Groundwater quality contour maps of trichloroethene concentrations in upper Unit 3 are presented as Figure IV-33 (Plan Sheet 27) representing the on-post (OU2) concentrations. The trichloroethene concentrations are also presented on Figure III-10 (Plan Sheet 14) as cross-sections A-A' and B-B'.

Figure IV-33 (Plan Sheet 27) shows that the north plume originates from plumes at Sites D and G which converge in the area of Building 503 concrete pad. The highest on-post concentrations associated with the north plume are downgradient of these two sites at wells 03U317 (6,700 μg/l, March 1995), 03U018 (3,800 μg/l, March 1995) and 03U020 (1,300 μg/l, March 1995). Well 03U317 is a recovery well (source recovery well #5) and was not contoured on Figure IV-33 (Plan Sheet 27) since the data obtained from the recovery well represents the average concentration of all groundwater entering the well.

Historically, well 03U093 has had the highest concentrations at the entire site and was as high as 79,000 μg/l in December 1987. Well 03U093 is located immediately downgradient of Site D. The concentration at this well has dropped from 40,000 μg/l in May 1990, to 8,600 μg/l in March 1991, to 2,000 μg/l in March 1992, to 340 μg/l in March 1993, increased to 430 μg/l in March 1994, and dropped to 290 μg/l in March 1995. Similarly, well 03U094 had the highest concentration of the wells near Site G in December 1987 at 18,000 μg/l. The concentration in this well had dropped to 2,600 μg/l in March 1992, increased to 3,200 μg/l in March 1993, dropped to 1,000 μg/l in March 1994, and to 640 μg/l in March 1995. The general inference is that the source area for groundwater contamination is being reduced by the soil vapor extraction systems at Sites D and G, and that the TGRS source control wells are removing contaminated groundwater immediately downgradient of both Sites D and G.

In general, the 1,000 μg/l contour is similar to past years on-post. Due to an increase in the concentration at 03U018 from 910 μg/l

in March 1994 to 3,800 μg/l in March 1995, the 1,000 μg/l contour has shifted in the vicinity of this well (near Site D). A decrease in the concentration at well 03U708, along the southwest boundary, has shifted the 1,000 μg/l contour a little north in that vicinity.

Well 03U709, located along the southwest boundary, continues to show the effects of pumping the TGRS. Continued pumping is expected to continue to expand this "hole" of cleaner water.

The 1,000 μg/l contour around wells 03U659 and 03U801 downgradient of Site I, has been eliminated as a result of a drop in the concentrations at these wells from 4,400 and 5,200 μg/l in March 1994 to 340 and 990 μg/l in March 1995, respectively. This also signifies the success of the TGRS and shows the source which contributes to the OU3 plume is being reduced.

Like the 1,000 μg/l contour, the 100 μg/l contour did not change significantly on-post from FY 1994 to FY 1995. The only significant change was an inward shift near well 03U028 near Site I due to a decrease in concentrations from 490 μg/l in March 1994 to 64 μg/l in March 1995.

An increase at well 03U030 at Site I to a value of 15.30 μg/l resulted in a shift of the 10 μg/l contour to the east of this well in FY 1995. A decrease of the trichloroethene concentrations at wells 03U672, 03U004 and 03U658 to a value less than 1.00 μg/l resulted in an inward shift of the 1 μg/l contour in the vicinity of these wells. On the other hand, an increase of the concentration at

well 03U121 resulted in an outward shift of the 1 μg/l contour in this vicinity.

Other changes in the trichloroethene plume on-post include elimination of the 1 μg/l contour around well 03U031 (southeast of Site K) and elimination of the 10 μg/l contour around well 03U124 (Site 129-15).

The shape of the plume in upper Unit 3 matches the trend of the groundwater elevation contours. The overall evaluation of trichloroethene concentrations in upper Unit 3 is that of plume reduction near source areas and the continued expansion and creation of "holes" or breaks in the contours being caused by continued TGRS pumping.

B. 1,1,1-Trichloroethane

A groundwater quality contour map for 1,1,1-trichloroethane in upper Unit 3 has been prepared as Figure IV-34 (Plan Sheet 28), representing on-post concentrations. Similar to the trichloroethene contour maps, 1,1,1-trichloroethane contour maps indicate that Sites D and G are the principal sources for this contaminant. However, the maximum concentrations for 1,1,1-trichloroethane are significantly lower than those for trichloroethene. This observation can be seen by comparing the corresponding contour maps and cross-sections A-A' and B-B' for each compound.

The highest 1,1,1-trichloroethane concentrations are in the north plume downgradient from the source areas at Sites D and G. The highest concentrations are represented by the 1,000 μg/l contour

extending from this area toward the southwest TCAAP boundary. The 1,000 μg/l contour appears to have contracted this year as indicated by a decrease in concentration at wells 03U020 and 03U708.

The 1,000 μg/l contour from Sites D and G extends west-southwest slightly beyond the TCAAP site boundary, as shown on Figure IV-34 (Plan Sheet 28) and cross-section A-A' (Figure III-11 and Plan Sheet 15).

Similar to trichloroethene, a zone of low 1,1,1-trichloroethane concentration is present around well 03U709 due to a decreasing trend in the concentrations at well 03U709. This is most likely due to pumping and mass removal by the TGRS.

Figure IV-34 (Plan Sheet 28) indicates that the 100 μg/l contour has shifted slightly north in the vicinity of well 03U806 as a result of an increase of the concentration at that well from <100 μg/l in March 1994 to 110 μg/l in March 1995. The 100 μg/l contour has contracted in the vicinity of Site D as a result of decreases in the concentrations at wells 03U093 and 03U096 to 92 μg/l and 93 μg/l, respectively. The 1 μg/l contour has also shifted southward as a result of a decrease in the 1,1,1-trichloroethane at well 03U702.

c) Lower Unit 3

i) Background Conditions

Well 03L007 along the upgradient TCAAP boundary is used to monitor background conditions in lower Unit 3. This well is monitored once every other year. It was sampled during FY 1994 and no VOC contamination was detected. The well will be sampled next in FY 1996.

ii) Contaminant Plume Characterization

A. Trichloroethene

Contour maps for trichloroethene concentrations in lower Unit 3 are provided as Figure IV-35 (Plan Sheet 29) representing on-post concentrations. Recovery wells and middle Unit 3 wells are also shown on the plan sheets, but were not used for contouring purposes. Cross-sections A-A' and B-B', which include horizontal and vertical trichloroethene distribution in lower Unit 3, are shown on Figure III-10 (Plan Sheet 14). It is worth noting that cross-section A-A' shows the much deeper screen elevations of lower Unit 3 wells 03L014 and 03L113 located in the bedrock valley region.

Figure IV-35 (Plan Sheet 29) indicates that the 100 μg/l contour for the "north plume" associated with Sites D and G merges in the vicinity of the Building 503 concrete pad.

Although lower Unit 3 wells are not present in the vicinity of Site D, the contours shown on Figure IV-35 (Plan Sheet 29) suggest a distinct lobe from Site D, similar to the lobe defined by well 03L020 from Site G.

The on-post contour map shown on Figure IV-35 (Plan Sheet 29) is similar to last year's map with the exception of shrinkage in the 1,000 μg/l contour. This is a result of a decrease in the trichloroethene concentration at well 03L077 from 1,200 μg/l (March 1994) to 970 μg/l (March 1995).

The trichloroethene concentrations at well 03L806 decreased from 4,300 μg/l (March 1992) to 410 μg/l (March 1993) to 230 μg/l (March 1994), to 80 μg/l (March 1995). The reduction of concentration at well 03L806 is attributed to pumping contaminated groundwater through recovery wells 03F306 and 03F307, and has resulted in a shift of the 100 μg/l contour around this well.

The 10 μg/l and 1 μg/l contours remained relatively unchanged in FY 1995 with the exception of slight contractions of the 10 μg/l contour near well 03L018, and the 1 μg/l contour near well 03L091 near Site 129-15. There was also a contraction of the 1 and 10 μg/l contours near Site D as a result of a decrease in the trichloroethene concentrations at well 03L018 from 16.4 μg/l (March 1994) to 1.33 μg/l (March 1995).

Concentrations for Unit 3 recovery wells along the southwest boundary on Figure IV-35 (Plan Sheet 29) were not used for contouring.

B. 1,1,1-Trichloroethane

Contour maps for 1,1,1-trichloroethane concentrations in lower Unit 3 are presented as Figure IV-36 (Plan Sheet 30) representing on-post concentrations. Cross-sections A-A' and B-B' with 1,1,1-trichloroethane contours are presented as Figure III-11 and Plan Sheet 15.

Similar to the contour maps for trichloroethene, the plumes from Sites D and G are merged on-post in lower Unit 3. Figures IV-36 and III-7 (Plan Sheets 30 and 11) show more separation between the "north plume" and the "south plume" than do the corresponding trichloroethene contour maps.

Figure IV-36 (Plan Sheet 30) shows no 1,000 μg/l contour for the "north plume".

The extent of the 1,1,1-trichloroethane plume, as defined by the 1-μg/l contour, is narrower on-post than the trichloroethene plume.

d) Upper Unit 4

i) Background Conditions

Background conditions for organic groundwater quality in upper Unit 4 are provided by monitoring wells 04U007 and 04U510 near the eastern TCAAP boundary as shown on Figure 2. These wells were sampled during FY 1994. 1,1,1-Trichloroethane was detected in well 04U510 at a low level (0.89 µg/l) in March 1994. Trichloroethene, 1,2-dichloroethane, and 1,2-dichloroethene were detected in well

04U007 at concentrations of 0.51, 1.41, and 0.39 µg/l, respectively. A duplicate sample at this location yielded similar results. These were the first detections in these wells. Monitoring well 04U007 was sampled during FY 1995, and no organic compounds were observed. The FY 1995 results suggest that the FY 1994 results were anomalous. Continued monitoring is warranted and wells 04U007 and 04U510 will be sampled next during FY 1996.

ii) Contaminant Plume Characterization

A. Trichloroethene

Contour maps for trichloroethene concentrations in Upper Unit 4 representing on-post concentrations are included as Figure IV-37 (Plan Sheet 31). Figure IV-37 (Plan Sheet 31) and cross-section A-A' on Figure III-10 (Plan Sheet 14) show that the maximum trichloroethene concentrations in upper Unit 4 are defined by the 1,000 µg/l contour near wells 04U806 and 04U077. Cross-section A-A' also shows a break in the 1,000 µg/l contour downgradient of wells 04U806 and PJ #806 in the Jordan Formation, is most likely a result of TGRS pumping.

B. 1,1,1-Trichloroethane

Contour maps for 1,1,1-trichloroethane are presented as Figure IV-38 (Plan Sheet 32) representing on-post concentrations. Figure III-11 (Plan Sheet 15), presents cross-sections for 1,1,1-trichloroethane through the "north and south" plumes. The shapes of the plumes are generally the same as for trichloroethene, but the 1,1,1-trichloroethane concentrations are lower.

Similar to the last two years, the maximum concentration of the plume from Sites D and G is defined by a 100 μg/l contour (as opposed to 1,000 μg/l in previous years) around well 04U077 as shown on Figure III-9 (Plan Sheet 13) and cross-section A-A' (Figure III-11 and Plan Sheet 15).

On-post, the 100 μg/l, 10 μg/l and 1 μg/l contours contracted in FY 1995 as a result of decreased concentrations at wells 04U806, 04U709, 04U020 and other wells.

2) Known or Potential Source Areas

a) Site A

Discussion of groundwater quality data for Site A is presented in Section IV.A.1 of this report.

b) Site B

Site B, located along the northern boundary of TCAAP, consists of old building foundations where waste disposal was suspected. However, historic groundwater sampling at Site B has not detected any significant groundwater contamination.

Well 01U036 at Site B was sampled during March 1995 for halogenated VOCs (Category 1). The results showed that no halogenated VOCs were detected.

c) **Site C**

Site C, located along Mounds View Road in the north-central portion of TCAAP, was documented as a potential disposal site. Historic groundwater sampling has not detected any significant contamination.

Groundwater sampling performed at Site C in FY 1995 was done as a continued monitoring of groundwater quality. Well 01U085 was sampled during March 1995 for halogenated VOCs (Category 1) to evaluate Unit 1 water quality. Analytical results showed no detection of any halogenated VOCs during the March sampling event. Historic data are shown in Table II-2. Well 01U045 was also sampled in March 1995 for total phosphate which was detected at 26.10 µg/l.

An upper Unit 3 monitoring well (03U083) was also sampled during March 1995 to monitor water quality for Category 1 and Category 7 analytes. No halogenated or aromatic VOCs were detected for this sampling event, similar to the past four years. Low levels of aromatic VOCs, specifically benzene at 1.25 µg/l and toluene at 5.26 µg/l, were reported in 1990. Prior to 1990, sampling of well 03U083 in August 1988 did not detect any aromatic or halogenated VOCs.

d) **Site D**

Site D, located in the central portion of TCAAP, has contributed significant contamination to the Unit 3 and 4 aquifers due to past activities. Active remediation at Site D is being performed by a soil vapor extraction (SVE) system and a groundwater recovery system. The groundwater recovery system utilizes pumpout wells 03U316 and 03U317 located downgradient,

from Site D as shown on Figure IV-33 to capture contaminated groundwater for treatment and disposal within TCAAP.

Unit 1 and Unit 2 are not present at Site D, thereby allowing solvents disposed at Site D to migrate directly into Unit 3.

Water quality trend figures have been prepared showing variations in trichloroethene concentrations near Site D. These figures plot the concentrations of well 03U093 as a source strength well and wells 03U017, 03M017, and 03L017 as downgradient wells. The trend figures are included as Figures IV-39 and IV-40. In general, the figures show that trichloroethene is decreasing both near the source area and also at the downgradient well nest composed of upper, middle, and lower Unit 3 wells which supports the finding that remediation efforts are successfully reducing contaminant concentrations near Site D.

In general, upper Unit 3 remains the most contaminated aquifer near Site D. The trichloroethene concentrations at well 03U093, shown in Figure IV-40, indicate a decreasing trend over the past five years (40,000 μg/l in May 1990, 8,600 μg/l in March 1991, 2,000 μg/l in March 1992, 340 μg/l in March 1993, 430 µg/l in March 1994 and 290 μg/l in March 1995). The concentration at well 03U018 dropped from 2,500 µg/l in May 1990 to 240 µg/l in March 1991, and increased to 4,500 μg/l in March 1992 and 4,700 μg/l in March 1993, and has dropped again to 910 µg/l in March 1994 and increased again to 3,800 μg/l in March 1995. The reduction at well 03U093 indicates that the SVE system is effectively minimizing additional contamination of the groundwater at Site D. The fluctuation in contaminant concentration at well 03U018 is likely the result of pumping at the Site D source recovery wells.

During FY 1995, contaminant concentrations in several Site D wells exceeded the groundwater action criteria specified in revised Table 3.7A of the FFA. For example, concentrations of trichloroethene exceeded the action criteria of 2.80 μg/l at wells 03U017, 03U018, 03U093, 03U096, 03U316, 03U317 and 03M017. Also, 1,1,1-trichloroethane concentrations at wells 03U018, 03U093, 03U096 and 03U317 exceeded the groundwater action criteria of 22 μg/l. Other wells such as 03U317, exceeded the groundwater action criteria for other compounds (e.g., 1,1,2-dichloroethene) because of high method detection limits. Well 03U317 has high detection limits because of dilution needed to quantify the high levels of trichloroethene (8,400 μg/l). The issue of re-analyzing undiluted samples to quantify contaminants with lesser concentrations will be reevaluated as needed in the OU2 RD/RA process. All of these wells are within the capture zone of the TGRS. All VOC groundwater action criteria exceedances are indicated on Table II-2 by shading.

e) Site E

Site E, located in the central portion of TCAAP, was used as a burning area and debris burial site (Argonne National Laboratory, 1990). The focus of groundwater sampling has been on Unit 3 since Units 1 and 2 are absent at the site.

Historically, low levels of trichloroethene and tetrachloroethene have been detected within Site E at wells 03U088 and 03U089. Trichloroethene has also been detected consistently at well 03U704, along with 1,1,1-trichloroethane prior to April 1990. Aromatic VOCs have historically not been detected and have been eliminated from sampling in recent years.

During March 1995, wells 03U015, 03U089, 03U704, 519288 (E101-MW), 519289 (E102-MW), and 519290 (E103-MW) were sampled and analyzed for halogenated VOCs (Category 1). Well 03U704 is also used to evaluate conditions near the gravel pit area, which is located upgradient of Site E. The analytical results for wells E101-MW, E102-MW, and E103-MW are not available at this time.

Groundwater quality based on March 1995 analytical results indicates that there were no VOC detections in wells 03U015 and 03U089. Trichloroethene was detected in well 03U704.

Water quality trend Figures IV-41 and IV-42 present trichloroethene concentrations for wells 03U088/03U089 and 03U704, respectively. The figures show a fairly stable, low range of detections to no detections.

Well 03U015, located downgradient of Site E, had detections of tetrachloroethene, trichloroethene, and 1,2-dichloroethene in August 1988, but these analytes were not detected prior to or after that event.

Well 03U704 is the only Site E well which has detected 1,1,1-trichloroethane in recent sampling with low levels reported during Quarters 23-25 (July 1989 - January 1990). However, no detection of 1,1,1-trichloroethane has occurred at well 03U704 since January 1990.

f) Site F

Site F, located along Snelling Avenue in the south-central portion of TCAAP between Sites D and G, is reported to have been used for the burning of explosives and the burial of mercury crack cases (Argonne National Laboratory, 1991).

Unit 3 represents the aquifer of primary concern for this location. Historically, wells in upper Unit 3 have shown significant levels of halogenated VOCs, primarily 1,1,1-trichloroethane and trichloroethene, and to a lesser extent 1,1-dichloroethene. Chloroform has also historically been detected in certain Site F wells along with sporadic detections of aromatic VOCs, specifically benzene and toluene. Cyanide has also been detected in upper Unit 3.

Similar to FY 1994, methylene chloride was not detected at any of the wells during FY 1995. This indicates that previous methylene chloride detections are likely the result of laboratory contamination.

Sampling proposed for Site F in the 1995 Annual Monitoring Plan consisted of annual sampling for both halogenated VOCs and inorganics at two upper Unit 3 wells, and for halogenated VOCs only at five additional upper Unit 3 wells and one lower Unit 3 well.

Concentrations of 1,1,1-trichloroethane and trichloroethene at Site F have remained fairly constant, as reaffirmed by FY 1995 analytical results. Well 03L113 continued to have non-detectable levels of these two compounds; well 03U113 showed a trichloroethene concentration of 0.82 µg/l in March 1991, but was not detected in 1993, 1994 or 1995. The highest trichloroethene concentrations observed at Site F are 45.1 µg/l for well 03U026 and 33.7 µg/l for well 03U114. Figure IV-43 shows trichloroethene water quality trends for wells 03U114 and 03U026. The trend figure indicates a decrease in trichloroethene concentration at well 03U114 and stable low detections at well 03U026.

Chloroform continues to be consistently detected in wells 03U026 and 03U090 with the concentrations remaining fairly constant. Chloroform values are included in Table II-2.

Wells 03U026, 03U090, and 03U114 exceeded the groundwater action criteria established in revised Table 3.7A of the FFA for trichloroethene. Wells 03U026, 03U090, and 03U114 also exceeded the action criteria for 1,1,1-trichloroethane. Wells 03U090 and 03U114 exceeded the action criteria for 1,1-dichloroethene. The action criteria was also exceeded for 1,2-dichloroethane in wells 03U019, 03U026, 03U090, 03U114, and 03121. Chloroform concentrations in wells 03U026, 03U090, and 03U114 also exceed the action criteria. All of these wells are within the capture zone of the TGRS. A complete listing of groundwater exceedances, as well as the action criteria, is included in Table II-2.

g) Site G

Site G, also located on Snelling Avenue just south of Site F in the south-central portion of TCAAP, has contributed significant contamination to Units 3 and 4. Until approximately 1978 (Argonne National Laboratory, 1991), Site G was reportedly used as a dumping area for waste products, including solvents. Corrective measures, including a soil vapor extraction (SVE) system and a groundwater recovery system, have been installed and are currently operating at this location.

Halogenated VOCs, particularly 1,1,1-trichloroethane, trichloroethene, and 1,1-dichloroethene, are the primary contaminants of concern at Site G.

The Site G sampling proposed in the 1995 Annual Monitoring Plan consisted of annual sampling of wells 03U014, 03U020, 03U094, 03U314,

03U315, 03M020, and 04U020. All wells were sampled for halogenated VOCs.

Trichloroethene concentrations were plotted to evaluate trends at Site G and are presented in Figure IV-44. The figure shows that concentrations have had a generally decreasing trend at wells 03U014 and 04U020 since 1987. Well 03U094 has historically had the highest concentrations of all wells near Site G, but has decreased from 18,000 μg/l in December 1987 to 2,600 μg/l in March 1992, increased to 3,200 μg/l during March 1993, but decreased again in March 1994 to 1,000 μg/l and to 640 μg/l in March 1995.

The decreases in concentrations at wells near Site G indicate that the Interim Remedial Actions are effectively reducing the source for groundwater contamination.

The FY 1995 groundwater quality data show contamination above the groundwater action criteria at all Site G wells. All of these wells are within the capture zone of the TGRS. A complete listing of the groundwater action criteria and the water quality data which exceeds the action criteria is included as Table II-2.

h) Site H

Site H, located in the southeast portion of TCAAP just north of Sunfish Lake, was reportedly used as a burning area for combustibles and a dumping and burning area for waste that included solvents (Argonne National Laboratory, 1991).

Historic groundwater sampling at Site H has not detected any significant contamination.

Groundwater quality monitoring for 1995 consisted of sampling upper Unit 1 well 01U098, and upper Unit 3 well 03U099 during March 1995 for halogenated VOCs. The analytical results for well 03U099 are not available at this time.

Trichloroethene and 1,1,1-trichloroethane were observed at well 01U098 in March 1995 at 5.28 and 2.52 µg/l, respectively. At well 03U099, trichloroethene and 1,1,1-trichloroethane were detected at 1.46 and 1.99 µg/l, respectively, in March 1994.

i) Site I

Discussion is provided on groundwater quality for this site in Section IV.A.2. Figure IV-45 shows trichloroethene water quality trends for well 03U029.

j) Site J

Site J is a buried underground sewer line located in the southwest portion of TCAAP which extends from the south side of Building 576 to a former pumping station (former Building 118) northwest of Building 105. The sewer line transported solvents, grease, and other materials that entered floor drains in Building 576 (Argonne National Laboratory, 1991).

Groundwater sampling in the Site J area has focused on Unit 1. Historic groundwater sampling at Site J has not detected any significant contamination. Of the ten Unit 1 wells used to monitor groundwater quality in the vicinity of Site J, only one well, 01U526, has ever detected contaminants.

During March 1995, a check of groundwater quality was performed by sampling well 01U526 for halogenated VOCs (Category 1). Unlike last year, results show no detections of trichloroethene. Figure IV-46 shows that trichloroethene concentrations for well 01U526 have declined, especially after January 1993.

Closure activities have been completed at Site J with the concurrence of the MPCA and the U.S. EPA. Therefore, no further groundwater sampling will be conducted at Site J.

k) Site K

A discussion is provided on groundwater quality for this site in Section IV.A.3.

l) Site 129-3

Site 129-3, located in the central portion of TCAAP between Sites D and E, was used from 1971 until approximately 1978 to dispose of wastewater generated from lead styphnate production facilities. The disposal was in leaching pits located at the site. A separate pit was used for the disposal of spent mercurous nitrate solution (Argonne National Laboratory, 1991).

Units 1 and 2 are not present at Site 129-3; thus, the primary unit of concern is Unit 3. Low levels of trichloroethene and 1,1,1-trichloroethane were detected in well 03U087 prior to 1991, while well 03U521 had shown sporadic detections of trichloroethene from November 1987 to April 1990. The April 1990 event was the last sample collected from this well.

Well 03U087 was sampled during March 1995 for halogenated VOCs (Category 1) as a check on groundwater quality. The results showed no halogenated VOCs.

m) Site 129-5

Site 129-5, located in the east-central portion of TCAAP, was used for the burning of explosive wastes which may have included solvents (Argonne National Laboratory, 1991).

It is thought that Units 1 and 2 may be discontinuous throughout the site; therefore, the primary unit of concern is Unit 3.

In general, historic groundwater sampling has shown that no significant groundwater contamination has resulted from activities at Site 129-5. In April 1988, no halogenated VOCs were detected at well 01U072, the only Unit 1 well at the site. This well has not been sampled since that time. Trichloroethene and 1,1,1-trichloroethane had been detected in Quarter 16 at well 03U111, but only trichloroethene was detected in Quarter 18. In Quarters 19 and 20 no halogenated VOCs were detected. Sporadic detections of trichloroethene had been reported at well 03U097 prior to 1991.

Monitoring in FY 1995 consisted of sampling well 03U097 for halogenated VOCs during March. Results showed no VOC detections.

n) Site 129-15

Site 129-15, located in the central portion of TCAAP north of Site F, appears to have been used as a general dump for building materials from approximately 1957 to 1978 (Argonne National Laboratory, 1991). Halogenated VOCs, particularly 1,1,1-trichloroethane and trichloroethene, are present in the four upper Unit 3 wells and the one lower Unit 3 well located in and around Site 129-15. Sporadic detections of aromatic VOCs, specifically benzene and toluene, have also been observed in the wells. Aromatic VOCs were not reported in Site 129-15 soils in the draft OU2 FS, however, that document reported xylenes in Site D soils at 20 µg/g at a depth of 145 feet. Site D is located immediately adjacent to Site 129-15.

During FY 1995, wells 03U016, 03U032, 03U090, 03U124, 519291 (1291501-MW), and 03L091 were sampled in March for halogenated VOCs. The analytical results for wells 03U032, 03U124, and 519291 are not available at this time. GES is working with Interpoll and PRI to get the data into the IRDMIS system.

Water samples collected in March 1995 were non-detect for VOCs in well 03U016, located upgradient of Site 129-15. Well 03L091 showed only trichloroethene at a concentration of 8.2 µg/l during March 1995 sampling.

A complete listing of analytical results for the organic analytes is included in Table II-2.

Historically, the groundwater concentrations observed at Site 129-15 exceeded the groundwater action criteria for trichloroethene; 1,1-dichloroethene; 1,1,1-trichloroethane; 1,2-dichloroethane; and chloroform. This site is within the capture zone of the TGRS. A complete

listing of the groundwater action criteria and the water quality data which exceed the action criteria is included as Table II-2.

Figure IV-47 displays water quality trends of both trichloroethene and 1,1,1-trichloroethane for wells 03U032 and 03U124, which show that these compounds have been declining in concentration, although well 03U124 showed a slight increase in both compounds in June 1994. As mentioned earlier, the 1995 concentrations for these wells are not available at this time.

o) **Gravel Pit**

Because contamination levels of some concern were detected in wells upgradient of Site E during 1989, the gravel pit located in the north-central portion of TCAAP is discussed here as a potential source area.

Historically, wells 03U704, 03U705, and 03U707 have had low levels of 1,1,1-trichloroethane and trichloroethene. Data results from Quarter 24 (October 1989) showed a significant increase in the levels of these compounds in wells 03U704 and 03U705, located downgradient of the gravel pit, and well 03U707, located northwest of the gravel pit.

Groundwater sampling conducted in 1995 consisted of March sampling of wells 03U704 and 03U707, and March and September sampling of wells 03U705 and 03U706. All samples were analyzed for halogenated VOCs (Category 1).

The only VOC detections in FY 1995 were trichloroethene at 0.32 and 0.33 µg/l in wells 03U704 and 03U706 in March 1995, respectively.

Well 03U707, located northwest of the gravel pit, had shown relatively consistent levels between 2 and 13 μg/l of trichloroethene through March 1991. In March 1992, trichloroethene had decreased to 0.75 μg/l, and in March 1993, March 1994, and March 1995 trichloroethene was not detected.

p) Bedrock Valley

A channel or valley exists in the bedrock beneath TCAAP and was investigated as part of the Bedrock Valley/Monitor Well Installation Survey conducted by STS Consultants in 1986.

Specifically, a northwest-southeast trending valley exists which can be marked by an axis running through monitoring well nest 005 in the southeast, to monitoring well 03L138 located slightly east of Site G and continuing past monitoring well 03L137 located within Site F.

The bedrock valley is eroded through the Prairie du Chien Group and the Jordan Sandstone Formation, thereby encountering the St. Lawrence Formation. The bedrock valley has been filled with Unit 3 unconsolidated deposits, as shown on cross-section A-A' (Figure III-10 and Plan Sheet 14).

Wells installed into the bedrock valley include the 005 well nest (03U005, 03M005, and 03L005), well 03L081 located southeast of Site G off Federal Road, well 03L137 located on the western edge of Site F, and well 03L138 located east of Site G. All these wells, except 03L137, were sampled in March 1995 for halogenated VOCs. The analytical results for well 03M005 are not available at this time.

Historically, the wells located in the bedrock valley have shown no detection of aromatic VOCs and only low levels of various halogenated VOCs. In

March 1995, no halogenated VOCs were detected in any of the bedrock valley wells.

The uncontaminated water quality history of well 03L005 has historically provided assurance that contamination from Sites D and G, which lie at least partially over the bedrock valley, has not migrated off-post through the bedrock valley. However, 1,2-dichloroethane was detected in this well in March 1994 at 0.25 μg/l. March 1995 sampling indicates that this is an anomalous value at this location.

Groundwater flow analysis indicates that flow within the valley does not vary significantly from the general Unit 3/Unit 4 southwesterly direction. This is due to relatively similar hydraulic characteristics of the bedrock and valley fill sediments (STS, 1986).

c. Surface Water Quality

Surface water monitoring during FY 1995 at TCAAP consisted of sampling at fourteen locations including six locations required by the TCAAP NPDES permit and an additional nine locations monitored by FCC. Under the NPDES permit, the Army is required to monitor six locations, five of which are monitored by the contractor (20100-20500) and one of which is monitored by Alliant, the tenant (20201). Data collected for the NPDES permit are reported to the MPCA Division of Water Quality as required by the permit. The TCAAP surface water data collected by FCC are included in Tables II-4, II-5, and II-6. Figure IV-48 is a map showing the surface water monitoring locations.

Surface water data are compared to the TCAAP Surface Water Action Criteria as referenced in Table 3.7B of the FFA. These criteria are compiled from several

different sources and are designed to trigger further evaluation of the data. The Action Criteria are not meant to designate clean-up criteria.

Locations 20100, 20200, 20300, 20400, 20500, 20700, 20800, 20900, 21000, 21100, 21200, 21300, 21400, and 21600 were sampled in May 1995 for PCBs. No PCBs were detected in FY 1995 as shown in Table II-4.

These same locations were sampled for VOCs on a quarterly basis, with the exception of 21200, 21300, 21400, and 21600, which were sampled annually. Table IV-5 shows that trichloroethene was the only VOC detected in surface water in FY 1995. Trichloroethene was detected in FY 1995 at 20200 at values ranging from 3.30 to 7.16 μg/l. Previous detections of trichloroethene were reported in FY 1993 and FY 1994 at the same location. The detection in FY 1993 (32.9 μg/l) was above the surface water action criteria of 15 μg/l. Location 20200 represents the outfall from Buildings 103 and 114, including the Site K Treatment System effluent.

Methylene chloride, detected previously in surface water samples at several locations in FY 1994, was not detected at any location in FY 1995. The laboratory detection limit for 1,1-dichloroethene is above the surface water action criteria; therefore, the 1,1-dichloroethene concentrations are indicated on Table II-5 as exceedances, although the actual concentrations may be below the surface water action criteria.

Table II-6 shows the inorganic analytes of the surface water quality data. Similar to 1,1-dichloroethene in Table II-5, the laboratory detection limits for mercury and cyanide are above the surface water action criteria; therefore, these values are indicated on Table II-6 as exceedances, although the actual values may be below the surface water action criteria.

Chromium was detected above the action criteria of 11 μg/l at 20400 and 20900 with concentrations of 130 μg/l and 15.2 μg/l, respectively, on November 11, 1993. Seven

subsequent samplings at each of these locations in FY 1994 and FY 1995 resulted in values less than 11 μg/l. Location 20400 represents the Building 104/116 outfall and location 20900 is a sampling location on Rice Creek upstream from TCAAP.

While no TCAAP surface water action criteria exists for silver, sporadic detections above the State of Minnesota 2 bd acute standard of 8.6 μg/l were observed at Marsden Lake (21200), Round Lake (20500), and Rice Creek (21000). Similarly, sporadic detections of lead were observed at Marsden Lake (20100 and 21400) and 21600 located near Hamline Avenue.

Zinc concentrations above the action criteria of 47 μg/l were reported at all locations in FY 1995 except at 20200, 20700, 21400, and 21600. The maximum concentration was 211 μg/l at 20200 on August 25, 1994.

The surface water action criteria for chromium and zinc are "U.S. EPA water quality criteria for protection of aquatic life - chronic effects," as referenced in Table 3.7B of the FFA. The exceedances of these criteria were sporadic and no additional action, beyond continued monitoring, is warranted at this time. In FY 1995, additional surface water monitoring was conducted at some locations in accordance with the revised Surface Water Monitoring Plan presented in the TCAAP FY 1993 AMR.

The remaining inorganic analytes shown in Table II-6 do not have surface water action criteria although several of analytes were detected at low concentrations at various locations in FY 1995.

5. Conclusions

Monitoring data for FY 1995 show that Sites D, G, and I continue to represent the primary source areas for groundwater contamination in Unit 3 and Unit 4. However, decreases of contaminant concentrations near Sites D, G, and I indicate that interim remedial actions are diminishing the sources of groundwater contamination.

For Unit 1, the primary sources for groundwater contamination are Sites A, I, and K. Discussion of water quality for Unit 1 at these three sites is presented earlier in Section IV.A of this report.

Relative to the primary source areas mentioned above, monitoring at Sites B, C, E, F, H, J, 129-3, 129-5, and 129-15 indicates that these sites do not represent significant sources for groundwater contamination.

Contamination above the TCAAP action criteria does not appear to be migrating off TCAAP via the bedrock valley as evidenced by no detections of VOCs in well 03L005 near the southern property boundary and by the valley's lack of effect on Unit 3 and Unit 4 groundwater flow patterns.

A number of inorganic analytes have detection limits which do not allow for meaningful comparison to the surface water action criteria.

6. Recommendations

- Characterization monitoring for OU2 should continue until the final remedies are in-place. At that time, performance monitoring will replace characterization monitoring.

- The following changes have been incorporated into the FY 1997 Monitoring Plan.

    1. No additional aromatic VOC monitoring at Site C is warranted.
    2. No additional cyanide monitoring is warranted at Site F.

7. OU2 Characterization Monitoring Plan

a. Groundwater

The FY 1997 Groundwater Characterization Monitoring Plan is presented in Table III-1. The schedule for the FY 1997 Groundwater, Surface Water and Remedial Treatment System is revised as follows:

1) The annual monitoring event will be performed in June, rather than March.
2) The semi-annual monitoring event will be performed in December.

These changes are approved via agency letter dated April 4, 1996, which is contained in Appendix A.3.

b. Surface Water

The FY 1997 Surface Water Characterization Monitoring Plan is presented in Table IV-23. Changes in plan schedule are described in the previous section, 7.a.

c. Remedial Treatment Systems

The FY 1997 Remedial Treatment System Monitoring Plan is presented in Table IV-4. Changes in the plan are described in section 7.a.

Section V
Operable Unit 3 Performance Evaluation

A. DESCRIPTION OF THE REMEDIAL ACTION

The PGRS (Plume Groundwater Recovery System) of Operable Unit 3 (OU3) is an off-post groundwater extraction and treatment system, and municipal potable water supply. The PGRS is designed to contain the south plume of VOC contamination emanating from TCAAP and to prevent further downgradient migration. Recovered groundwater is treated and used by the City of New Brighton to fulfill its municipal water supply demand.

In July 1992, a TCAAP OU3 Feasibility Study (FS) was submitted to the Minnesota Pollution Control Agency (MPCA) and the U.S. Environmental Protection Agency (USEPA). A Record of Decision (ROD) was prepared by the MPCA and the USEPA in August 1992. As specified in the ROD, extracted groundwater will be treated in order to attain primary drinking water standards for VOCs and secondary drinking water standards for iron and manganese.

The PGRS began operations on May 3, 1994. This section of the report presents the monitoring results from the FY 1995 operation of the PGRS and documents treatment and groundwater performances.

The PGRS consists of one Prairie du Chien extraction well, which is located within the PGRS treatment facility building. Groundwater is pretreated to remove naturally occurring iron and manganese using a green sand filter. VOCs are removed with granular activated carbon. The operation and maintenance of the treatment facility is performed by the City of New Brighton.

With the exception of influent/effluent analytical results and daily pumping totals, facility operations are not provided in this report.

Following 90 days of operation of the PGRS, a TCAAP OU3 Remedial Action Report (RAP) was prepared. The RAP presented and assessed the hydraulic and treatment performance of the PGRS. Based on the RAP, the PGRS was assessed as follows:

1. The zone of capture generated by pumping the extraction well (NBM #13) at approximately 1,000 gpm is 3,500 feet wide. This is larger than the capture zone estimated and approved in the FS.

2. Groundwater hydraulic and chemical data indicate the PGRS effectively contains the leading edge of the south plume.

3. The PGRS treatment system effluent meets and exceeds all applicable drinking water standards for VOCs, iron and manganese as required in the ROD.

4. The PGRS influent was analyzed for arsenic quarterly due to its close proximity to a copper-arsenic wood treating facility. No concentrations were detected above the quantitation limit of 3 µg/l.

B. OBJECTIVES

The schedule for reporting corresponds to the federal fiscal year (FY) (October through September) to facilitate meeting reporting schedules in the TGRS FFA/ROD. The focus of this document is to report the FY 1995 performance of the PGRS from October 1994 through September 1995.

The two specific objectives of this report are to:

1. Delineate the hydraulic zone of capture induced by the PGRS. Capture is discussed with equipotential maps of the aquifer drawn from field data.

2. Evaluate the treatment performance of the PGRS. This objective is met through the presentation of analytical data and the pumping of data collected. These data permit calculations of the mass of VOCs removed and for the removal efficiency.

C. RELEVANT ACTIVITIES DURING FY 1995

There were no significant activities outside of the planned monitoring and operation of the system.

D. MONITORING

1. Groundwater

Groundwater samples were collected in March and September 1995, from 27 monitoring wells and analyzed for VOCs using the Army Environmental Center Method UG03. Monitoring wells used for water levels and sampling for the PGRS are shown on Figure V-1. Appendix J.1 presents the water level database and the extraction well flow measurements are provided in Appendix J.2.

2. Treatment System

Samples were collected from the treatment facility effluent and influent on a monthly basis throughout FY 1995. All influent and effluent samples were analyzed for VOCs using USAEC Method UG03. Influent samples were analyzed for arsenic in December, March and June, 1995.

E. PERFORMANCE EVALUATION

1. Treatment System

a. VOCs

Influent and effluent water was sampled on a monthly basis during FY 1995 and the results are provided in Table V-1. PGRS influent is labeled NB13I and effluent is labeled NB13E. Table V-2 presents a summary of the influent/effluent results and Figure V-2 shows the influent trichloroethene concentration versus time. The average FY 1995 influent trichloroethene concentration was 12.2 µg/l. Figure V-2 indicates that influent concentrations are rising over time.

Figure V-3 presents a summary of the effluent trichloroethene concentration versus time. As indicated, effluent has remained below detection limits for all sampling events in FY 1995. A review of the 1995 database indicates that the effluent has remained below the contaminant-specific requirements for all other VOC compounds. Comparison of influent and effluent trichloroethene indicates an average removal efficiency of 99.9 percent.

b. **Arsenic**

In addition to the VOC parameter list, a sample for arsenic analysis was collected quarterly from the system influent. Arsenic has not been detected above the quantitation limit of 3 µg/l as shown on Table V-3.

2. Hydraulic Performance Assessment

The zone of hydraulic capture for the PGRS in FY 1995 was determined by contouring the March 1995 and September 1995 water level data.

Contours were constructed manually. Past site experience and discussions with MPCA and USEPA determined that manually constructed contours are appropriate at TCAAP due to the complexities of the flow field and the resulting need for hydrogeological expertise in interpreting the flow field.

Appendix J.1 contains the water level database for the monitoring wells. Figures V-4 and V-5 present the groundwater contours for the Prairie du Chien for March and September 1995. These figures were previously presented in the Remedial Action Report.

Inspection of these figures indicates a broad area of very low horizontal gradients immediately southwest of the PGRS. This area is indicative of a stagnation zone downgradient of the PGRS. Based on monitoring well data, contaminants are not found in the Unit 3 or Jordan Sandstone Aquifer in this area, therefore, the Unit 3 and Jordan Sandstone Aquifer are not of concern for remediation in this area of the Site and further definition of Unit 3 and Jordan Sandstone capture is not needed.

a. Vertical Gradients

Table V-4 presents the vertical gradient, for nested wells shown on Figure V-1, summary since March 31, 1994. Background vertical gradients are representative of March 31 and May 2, 1994. Although the PGRS began full scale operation on May 3, 1994, the vertical gradients shown for April 28 and 29, 1994 reflect pre-startup operations and are not representative of background gradients.

1) Unit 3 and Prairie du Chien

The data indicates an upward gradient between the Unit 3 and the Prairie du Chien immediately southwest of TCAAP. Well nests 673, 841, 848 and 859 (see Figure V-1) exhibit this trend. South of well 859 vertical gradients reverse to a downward trend as shown at well nests 832, 846, 854, 860, 861, MPCA1 and MPCA2. This downward gradient is also indicated in the Unit 3 VOC plume which extends to O3L859. The vertical gradient and analytical data suggests that the VOC plume is moving from the Unit 3 into the Prairie du Chien under this downward vertical gradient.

2) Prairie du Chien and Jordan Sandstone

Since the PGRS began operation, two well nests, 864 and 866 (see Figure V-1) reveal a significant change in the vertical gradient. Well nests 864 (500 feet from NBM #13) and 866 (250 feet from NBM #13) are the closest well nests to the PGRS extraction well (NB Well 13). The next closest well nest, MPCA2, is located approximately 3500 feet from NBM #13 and shows no vertical influence.

Table V-4 shows that there is a downward vertical gradient between the Prairie du Chien and the Jordan Sandstone. However, this downward vertical gradient has been reduced since pumping began. Using the average background

gradient compared to the average gradient since pumping began, this downward vertical gradient has been decreased by 18% and 25% at well nests 864 and 866, respectively. Nearer to extraction well NBM #13 (completed in the Prairie du Chien) larger drawdowns within the Prairie du Chien are likely sufficient to create an upward vertical gradient between the Jordan and Prairie du Chien.

3. Chemical Performance

a. South VOC Plume

A total of 27 monitoring wells and the extraction well NB Well 13 were sampled in March and September 1995. Seventeen of these wells (including NBM #13) are completed in the Prairie du Chien Formation. Nine wells are completed in the Unit 3, Hillside Sand Formation and two wells are in the Jordan Sandstone Formation. The treatment system was monitored monthly for VOCs and quarterly (December, March and June) for arsenic.

1) Prairie du Chien

The trichloroethene concentrations from the wells sampled in the Prairie du Chien ranged from non-detect to 160 µg/l. Thirteen of these wells exhibited concentrations above the MCL for drinking water, which is set at 5 µg/l. A distribution of the trichloroethene concentration above 5 µg/l is provided in Figure V-6. As shown, the trichloroethene plume extends approximately two miles southwest of TCAAP to well NB Well 13.

2) **Unit 3**

The trichloroethene concentrations from the wells sampled in Unit 3 ranged from non-detect to 910 µg/l. Three of the nine wells sampled exhibited concentrations above the MCLs. A distribution of the trichloroethene concentration above 5 µg/l is provided in Figure V-7. As shown, the trichloroethene plume in the Unit 3 extends approximately 1/2 mile from TCAAP.

3) **Jordan Sandstone**

VOCs were not detected in the two Jordan Sandstone monitoring wells sampled (04J864 and 04J866).

b. Treatment System

Table V-1 includes VOC data and Table V-3 presents the arsenic data from the PGRS treatment system influent and effluent. The influent to the treatment system ranged from 9.13 µg/l to 15.2 µg/l trichloroethene. Effluent results were all well below applicable standards and were generally below detection limits for VOCs. Arsenic was not detected above detection limits of 3 µg/l.

The PGRS extracted and treated 474,224,000 million gallons of water from October 1994 through September 1995 (Appendix I.2) for an average of 902 gpm. Based on the total average VOC concentrations from NB Well 13 influent (12.2 µg/l), the PGRS removed approximately 48 pounds of trichloroethene from May 1994 through September 1994. The total VOC mass removed from the PGRS from startup through FY 1995 is 71 pounds. The purpose of the PGRS is to contain the leading edge of the south plume and provide potable water. Therefore, VOC mass removal is expected to be low.

The total VOC concentrations at NBM #13 increased from 7.71 µg/l in April 1994, prior to pumping, to 19.74 µg/l in September 1994. During FY 1995, the concentration exhibited no clear trend.

F. CONCLUSIONS

1. The PGRS zone of capture is approximately 3,800 feet wide in FY 1995. This zone of capture is being maintained at an average pumping rate of approximately 902 gpm. Groundwater hydraulic and chemical data indicate the PGRS effectively contains the leading south edge of plume in 0U3.

2. The PGRS treatment system effluent meets and exceeds all applicable drinking water standards for VOCs, iron, and manganese as required in the 0U3 ROD.

G. RECOMMENDATIONS

Continue operation of the PGRS without modification.

H. OU3 PERFORMANCE MONITORING PLAN

No changes to the monitoring plan are proposed for the PGRS. Table III-1 presents the monitoring plan.

Section VI
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TABLES

Table II-1

TCAAP Groundwater Elevation Data

Notes:

(1) TOS = Top of Surface which represents the ground surface elevation in feet above mean sea level (MSL). The TOS elevations were retrieved from the USAEC IRDMIS. All data are referenced to TOS elevations surveyed by Kemper and Associates, Inc. during July through September 1992.

(2) Qtr = Quarter. Under this heading, F = FCC and A = Alliant Techsystems, Inc.

TABLE II - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01L811	908.4	03-Mar-93	38 F	895.6
01L811	908.4	18-Mar-94	42 F	895.2
01L811	908.4	07-Mar-95	46 F	894.6
01L813	870.7	03-Mar-93	38 F	869.3
01L816	Well Abandoned			
01L821	877.5	03-Mar-93	38 F	872.1
01L821	877.5	18-Mar-94	42 F	872.4
01L821	877.5	07-Mar-95	46 F	872.3
01L822	876.1	04-Mar-93	38 F	868.0
01L822	876.1	18-Mar-94	42 F	869.0
01L822	876.1	07-Mar-95	46 F	869.2
01L823	880.4	10-Mar-93	38 F	872.4
01L823	880.4	18-Mar-94	42 F	872.7
01U003	943.4	03-Mar-93	38 F	935.2
01U003	943.4	17-Mar-94	42 F	934.7
01U003	943.4	14-Mar-95	46 F	933.7
01U003	943.4	12-Sep-95	48 F	935.1
01U004	951.1	07-Mar-95	46 F	947.7
01U004	951.1	12-Sep-95	48 F	943.5
01U011	900.0	01-Mar-93	38 F	893.1
01U011	900.0	11-Mar-94	42 F	894.6
01U011	900.0	07-Mar-95	46 F	891.9
01U011	900.0	08-Sep-95	48 F	893.5
01U012	880.1	01-Mar-93	38 F	875.6
01U012	880.1	09-Mar-94	42 F	876.0
01U012	880.1	14-Mar-95	46 F	875.8
01U012	880.1	08-Sep-95	48 F	876.5
01U022	897.7	20-Oct-92	37 F	894.8
01U022	897.7	01-Dec-92	37 F	895.0
01U022	897.7	01-Feb-93	38 F	894.5
01U022	897.7	01-Mar-93	38 F	894.7
01U022	897.7	08-Mar-94	42 F	895.6
01U022	897.7	07-Mar-95	46 F	893.2
01U033	887.4	02-Mar-93	38 F	886.9
01U033	887.4	11-Mar-94	42 F	886.9
01U033	887.4	14-Mar-95	46 F	886.6
01U034	901.2	01-Mar-93	38 F	895.7
01U034	901.2	11-Mar-94	42 F	897.9
01U034	901.2	07-Mar-95	46 F	894.9
01U035	899.4	01-Mar-93	38 F	895.0
01U035	899.4	11-Mar-94	42 F	896.3
01U035	899.4	07-Mar-95	46 F	893.5
01U036	901.0	20-Oct-92	37 F	896.5
01U036	901.0	01-Dec-92	37 F	896.7
01U036	901.0	01-Feb-93	38 F	895.3
01U036	901.0	08-Mar-93	38 F	895.2
01U036	901.0	07-Mar-94	42 F	896.3
01U036	901.0	08-Mar-95	46 F	893.3
01U037	898.7	20-Oct-92	37 F	894.3
01U037	898.7	01-Dec-92	37 F	894.6
01U037	898.7	01-Feb-93	38 F	893.2
01U037	898.7	01-Mar-93	38 F	892.9
01U037	898.7	09-Mar-94	42 F	894.4
01U037	898.7	07-Mar-95	46 F	891.3
01U038	900.3	20-Oct-92	37 F	893.5
01U038	900.3	01-Dec-92	37 F	893.9
01U038	900.3	01-Feb-93	38 F	892.6
01U038	900.3	01-Mar-93	38 F	892.3
01U038	900.3	20-Apr-93	39 F	894.3
01U038	900.3	15-Jun-93	39 F	894.4
01U038	900.3	16-Aug-93	40 F	896.2
01U038	900.3	29-Oct-93	41 F	894.4
01U038	900.3	16-Dec-93	41 F	894.4
01U038	900.3	17-Feb-94	42 F	893.3
01U038	900.3	09-Mar-94	42 F	893.8
01U038	900.3	27-Apr-94	43 F	897.7
01U038	900.3	08-Jun-94	43 F	894.5
01U038	900.3	26-Jul-94	44 F	897.6
01U038	900.3	08-Sep-94	44 F	891.6
01U038	900.3	08-Mar-95	46 F	890.8
01U038	900.3	08-Sep-95	48 F	891.8
01U039	897.5	20-Oct-92	37 F	885.8
01U039	897.5	01-Dec-92	37 F	885.7
01U039	897.5	01-Feb-93	38 F	885.2
01U039	897.5	01-Mar-93	38 F	884.9
01U039	897.5	20-Apr-93	39 F	884.8
01U039	897.5	15-Jun-93	39 F	886.5
01U039	897.5	16-Aug-93	40 F	889.8
01U039	897.5	29-Oct-93	41 F	887.4
01U039	897.5	16-Dec-93	41 F	887.4
01U039	897.5	17-Feb-94	42 F	886.4
01U039	897.5	09-Mar-94	42 F	886.1
01U039	897.5	27-Apr-94	43 F	886.1
01U039	897.5	08-Jun-94	43 F	886.8
01U039	897.5	26-Jul-94	44 F	885.8
01U039	897.5	08-Sep-94	44 F	884.7
01U039	897.5	07-Mar-95	46 F	882.6
01U039	897.5	08-Sep-95	48 F	884.5
01U040	892.5	20-Oct-92	37 F	884.9
01U040	892.5	01-Dec-92	37 F	885.0
01U040	892.5	01-Feb-93	38 F	883.7
01U040	892.5	01-Mar-93	38 F	883.5
01U040	892.5	20-Apr-93	39 F	884.4
01U040	892.5	15-Jun-93	39 F	885.8
01U040	892.5	16-Aug-93	40 F	888.5
01U040	892.5	29-Oct-93	41 F	885.8
01U040	892.5	16-Dec-93	41 F	885.8
01U040	892.5	17-Feb-94	42 F	884.8
01U040	892.5	07-Mar-94	42 F	884.4
01U040	892.5	27-Apr-94	43 F	885.6
01U040	892.5	07-Jun-94	43 F	886.2
01U040	892.5	26-Jul-94	44 F	885.6
01U040	892.5	06-Sep-94	44 F	883.9
01U040	892.5	07-Mar-95	46 F	882.0
01U040	892.5	08-Sep-95	48 F	884.4
01U041	898.3	20-Oct-92	37 F	893.2
01U041	898.3	01-Dec-92	37 F	893.6
01U041	898.3	01-Feb-93	38 F	892.4
01U041	898.3	01-Mar-93	38 F	892.1
01U041	898.3	20-Apr-93	39 F	893.5
01U041	898.3	15-Jun-93	39 F	893.4
01U041	898.3	16-Aug-93	40 F	893.5
01U041	898.3	29-Oct-93	41 F	892.8
01U041	898.3	16-Dec-93	41 F	892.8
01U041	898.3	17-Feb-94	42 F	892.9
01U041	898.3	08-Mar-94	42 F	893.4
01U041	898.3	27-Apr-94	43 F	893.7
01U041	898.3	07-Jun-94	43 F	893.6
01U041	898.3	26-Jul-94	44 F	893.8
01U041	898.3	06-Sep-94	44 F	891.3
01U041	898.3	08-Mar-95	46 F	890.6
01U041	898.3	08-Sep-95	48 F	891.4
01U043	891.0	02-Mar-93	38 F	886.5
01U043	891.0	16-Mar-94	42 F	886.3
01U043	891.0	08-Mar-95	46 F	884.9
01U044	892.3	02-Mar-93	38 F	879.0
01U044	892.3	16-Mar-94	42 F	879.7

TABLE II - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U044	892.3	08-Mar-95	46 F	878.6
01U045	886.4	08-Mar-93	38 F	883.8
01U045	886.4	16-Mar-94	42 F	881.5
01U045	886.4	08-Mar-95	46 F	881.0
01U046	881.8	02-Mar-93	38 F	881.3
01U046	881.8	22-Mar-94	42 F	880.4
01U046	881.8	08-Mar-95	46 F	879.2
01U047	887.9	01-Dec-92	37 A	873.7
01U047	887.9	02-Mar-93	38 A	873.5
01U047	887.9	01-Jun-93	39 A	874.6
01U047	887.9	08-Sep-93	40 A	874.9
01U047	877.9	01-Mar-94	42 A	874.1
01U047	877.9	06-Sep-94	44 A	873.4
01U047	877.9	06-Mar-95	46 A	873.2
01U047	877.9	05-Sep-95	48 A	874.6
01U048	883.2	01-Dec-92	37 A	874.1
01U048	883.2	02-Mar-93	38 A	873.5
01U048	883.2	01-Jun-93	39 A	875.0
01U048	883.2	08-Sep-93	40 A	875.3
01U048	883.2	01-Mar-94	42 A	874.0
01U048	883.2	06-Sep-94	44 A	873.6
01U048	883.2	06-Mar-95	46 A	873.1
01U050	892.9	02-Mar-93	38 F	886.6
01U050	892.9	17-Mar-94	42 F	887.2
01U050	892.9	08-Mar-95	46 F	886.5
01U051	901.2	02-Mar-93	38 F	889.6
01U051	901.2	17-Mar-94	42 F	889.9
01U051	901.2	08-Mar-95	46 F	889.3
01U052	884.3	01-Dec-92	37 A	874.5
01U052	884.3	02-Mar-93	38 A	873.6
01U052	884.3	01-Jun-93	39 A	875.5
01U052	884.3	08-Sep-93	40 A	875.5
01U052	884.3	01-Mar-94	42 A	874.3
01U052	884.3	06-Sep-94	44 A	873.8
01U052	884.3	06-Mar-95	46 A	873.3
01U052	884.3	05-Sep-95	48 A	875.2
01U053	913.2	03-Mar-93	38 F	906.4
01U053	913.2	17-Mar-94	42 F	889.9
01U053	913.2	09-Jun-94	43 F	907.2
01U053	913.2	08-Mar-95	46 F	905.9
01U054	940.9	03-Mar-93	38 F	930.1
01U054	940.9	17-Mar-94	42 F	931.5
01U054	940.9	08-Mar-95	46 F	929.8
01U060	949.1	02-Mar-93	38 F	935.7
01U060	949.1	14-Mar-94	42 F	936.9
01U060	949.1	08-Mar-95	46 F	935.0
01U062	909.8	03-Mar-93	38 F	904.3
01U062	909.8	17-Mar-94	42 F	904.5
01U062	909.8	08-Mar-95	46 F	903.5
01U063	892.6	09-Nov-92	37 F	884.3
01U063	892.6	01-Dec-92	37 F	884.4
01U063	892.6	01-Feb-93	38 F	882.5
01U063	892.6	01-Mar-93	38 F	882.1
01U063	892.6	20-Apr-93	39 F	884.0
01U063	892.6	15-Jun-93	39 F	885.2
01U063	892.6	16-Aug-93	40 F	886.7
01U063	892.6	29-Oct-93	41 F	885.2
01U063	892.6	16-Dec-93	41 F	885.0
01U063	892.6	17-Feb-94	42 F	883.3
01U063	892.6	10-Mar-94	42 F	883.4
01U063	892.6	27-Apr-94	43 F	885.4
01U063	892.6	08-Jun-94	43 F	885.4
01U063	892.6	26-Jul-94	44 F	885.4
01U063	892.6	08-Sep-94	44 F	882.8
01U063	892.6	08-Mar-95	46 F	881.1
01U063	892.6	08-Sep-95	48 F	883.8
01U064	958.3	08-Oct-92	36 A	939.1
01U064	958.3	02-Mar-93	38 A	943.8
01U064	958.3	10-Sep-93	40 A	944.7
01U064	958.3	11-Mar-94	42 A	943.6
01U064	958.3	02-Sep-94	44 A	943.6
01U064	958.3	09-Mar-95	46 A	943.3
01U064	958.3	07-Sep-95	48 A	944.2
01U065	882.1	01-Dec-92	37 A	873.8
01U065	882.1	02-Mar-93	38 A	873.2
01U065	882.1	01-Jun-93	39 A	874.3
01U065	882.1	08-Sep-93	40 A	874.4
01U065	882.1	01-Mar-94	42 A	873.3
01U065	882.1	06-Sep-94	44 A	873.5
01U065	882.1	06-Mar-95	46 A	873.0
01U065	882.1	05-Sep-95	48 A	874.3
01U067	897.4	20-Oct-92	37 F	894.1
01U067	897.4	01-Dec-92	37 F	894.7
01U067	897.4	01-Feb-93	38 F	893.4
01U067	897.4	01-Mar-93	38 F	893.3
01U067	897.4	20-Apr-93	39 F	896.4
01U067	897.4	15-Jun-93	39 F	894.8
01U067	897.4	16-Aug-93	40 F	895.8
01U067	897.4	29-Oct-93	41 F	895.2
01U067	897.4	16-Dec-93	41 F	895.6
01U067	897.4	17-Feb-94	42 F	893.7
01U067	897.4	08-Mar-94	42 F	894.9
01U067	897.4	27-Apr-94	43 F	896.8
01U067	897.4	07-Jun-94	43 F	894.4
01U067	897.4	26-Jul-94	44 F	896.8
01U067	897.4	06-Sep-94	44 F	891.5
01U067	897.4	07-Mar-95	46 F	891.0
01U067	897.4	08-Sep-95	48 F	891.7
01U072	908.6	02-Mar-93	38 F	901.8
01U072	908.6	11-Mar-94	42 F	900.8
01U072	908.6	07-Mar-95	46 F	898.7
01U085	889.6	05-Mar-93	38 F	884.2
01U085	889.6	16-Mar-94	42 F	884.3
01U085	889.6	08-Mar-95	46 F	883.2
01U098	954.7	03-Mar-93	38 F	938.0
01U098	954.7	14-Mar-94	42 F	942.2
01U098	954.7	08-Mar-95	46 F	936.1
01U100	905.3	01-Mar-93	38 F	901.0
01U100	905.3	11-Mar-94	42 F	901.7
01U100	905.3	08-Mar-95	46 F	897.8
01U101	906.8	20-Oct-92	37 F	898.1
01U101	906.8	01-Dec-92	37 F	898.9
01U101	906.8	01-Feb-93	38 F	898.4
01U101	906.8	01-Mar-93	38 F	898.2
01U101	906.8	11-Mar-94	42 F	899.5
01U101	906.8	08-Mar-95	46 F	896.8
01U102	905.2	20-Oct-92	37 F	892.1
01U102	905.2	01-Dec-92	37 F	892.3
01U102	905.2	01-Feb-93	38 F	891.3
01U102	905.2	02-Mar-93	38 F	890.7
01U102	905.2	20-Apr-93	39 F	891.0
01U102	905.2	02-Jun-93	39 F	892.8
01U102	905.2	16-Aug-93	40 F	897.3
01U102	905.2	16-Aug-93	40 F	897.3
01U102	905.2	08-Sep-93	40 F	895.8
01U102	905.2	29-Oct-93	41 F	893.6
01U102	905.2	16-Dec-93	41 F	893.0

TABLE II - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U102	905.2	17-Feb-94	42 F	891.9
01U102	905.2	11-Mar-94	42 F	891.9
01U102	905.2	27-Apr-94	43 F	892.1
01U102	905.2	10-Jun-94	43 F	893.2
01U102	905.2	26-Jul-94	44 F	892.1
01U102	905.2	12-Sep-94	44 F	890.0
01U102	905.2	08-Mar-95	46 F	888.1
01U102	905.2	06-Sep-95	48 F	889.9
01U103	904.1	20-Oct-92	37 F	892.1
01U103	904.1	01-Dec-92	37 F	892.5
01U103	904.1	01-Feb-93	38 F	891.2
01U103	904.1	01-Mar-93	38 F	890.8
01U103	904.1	20-Apr-93	39 F	891.7
01U103	904.1	15-Jun-93	39 F	893.0
01U103	904.1	16-Aug-93	40 F	895.6
01U103	904.1	08-Sep-93	40 F	895.8
01U103	904.1	29-Oct-93	41 F	893.6
01U103	904.1	16-Dec-93	41 F	893.1
01U103	904.1	17-Feb-94	42 F	892.0
01U103	904.1	07-Mar-94	42 F	892.1
01U103	904.1	27-Apr-94	43 F	893.4
01U103	904.1	07-Jun-94	43 F	893.3
01U103	904.1	26-Jul-94	44 F	893.4
01U103	904.1	07-Sep-94	44 F	890.6
01U103	904.1	06-Mar-95	46 F	888.9
01U103	904.1	08-Sep-95	48 F	890.6
01U104	899.1	20-Oct-92	37 F	894.1
01U104	899.1	01-Dec-92	37 F	894.6
01U104	899.1	01-Feb-93	38 F	891.9
01U104	899.1	01-Mar-93	38 F	892.8
01U104	899.1	20-Apr-93	39 F	894.9
01U104	899.1	15-Jun-93	39 F	895.4
01U104	899.1	16-Aug-93	40 F	896.8
01U104	899.1	29-Oct-93	41 F	895.2
01U104	899.1	16-Dec-93	41 F	895.1
01U104	899.1	17-Feb-94	42 F	893.7
01U104	899.1	08-Mar-94	42 F	894.5
01U104	899.1	27-Apr-94	43 F	897.7
01U104	899.1	07-Jun-94	43 F	895.1
01U104	899.1	26-Jul-94	44 F	897.7
01U104	899.1	07-Sep-94	44 F	891.8
01U104	899.1	06-Mar-95	46 F	891.2
01U104	899.1	08-Sep-95	48 F	891.8
01U105	901.4	20-Oct-92	37 F	895.6
01U105	901.4	01-Dec-92	37 F	896.2
01U105	901.4	01-Feb-93	38 F	896.0
01U105	901.4	01-Mar-93	38 F	893.7
01U105	901.4	20-Apr-93	39 F	896.0
01U105	901.4	15-Jun-93	39 F	896.0
01U105	901.4	16-Aug-93	40 F	894.0
01U105	901.4	29-Oct-93	41 F	896.2
01U105	901.4	16-Dec-93	41 F	896.0
01U105	901.4	17-Feb-94	42 F	894.7
01U105	901.4	09-Mar-94	42 F	895.8
01U105	901.4	27-Apr-94	43 F	898.4
01U105	901.4	07-Jun-94	43 F	896.7
01U105	901.4	26-Jul-94	44 F	898.3
01U105	901.4	08-Sep-94	44 F	893.5
01U105	901.4	07-Mar-95	46 F	892.7
01U105	901.4	08-Sep-95	48 F	893.1
01U106	896.8	20-Oct-92	37 F	892.4
01U106	896.8	01-Dec-92	37 F	892.7
01U106	896.8	01-Feb-93	38 F	891.3
01U106	896.8	01-Mar-93	38 F	891.2
01U106	896.8	20-Apr-93	39 F	894.2
01U106	896.8	15-Jun-93	39 F	893.6
01U106	896.8	16-Aug-93	40 F	899.7
01U106	896.8	29-Oct-93	41 F	894.2
01U106	896.8	16-Dec-93	41 F	893.8
01U106	896.8	17-Feb-94	42 F	892.3
01U106	896.8	08-Mar-94	42 F	892.4
01U106	896.8	27-Apr-94	43 F	895.1
01U106	896.8	07-Jun-94	43 F	893.5
01U106	896.8	26-Jul-94	44 F	895.1
01U106	896.8	07-Sep-94	44 F	890.3
01U106	896.8	06-Mar-95	46 F	888.5
01U106	896.8	08-Sep-95	48 F	890.5
01U107	899.2	20-Oct-92	37 F	893.0
01U107	899.2	01-Dec-92	37 F	893.5
01U107	899.2	01-Feb-93	38 F	892.1
01U107	899.2	01-Mar-93	38 F	891.9
01U107	899.2	20-Apr-93	39 F	894.7
01U107	899.2	15-Jun-93	39 F	894.2
01U107	899.2	16-Aug-93	40 F	897.0
01U107	899.2	29-Oct-93	41 F	894.7
01U107	899.2	16-Dec-93	41 F	894.3
01U107	899.2	17-Feb-94	42 F	893.5
01U107	899.2	08-Mar-94	42 F	893.1
01U107	899.2	27-Apr-94	43 F	895.9
01U107	899.2	07-Jun-94	43 F	894.4
01U107	899.2	26-Jul-94	44 F	895.9
01U107	899.2	07-Sep-94	44 F	891.2
01U107	899.2	07-Mar-95	46 F	889.2
01U107	899.2	08-Sep-95	48 F	890.9
01U108	904.3	20-Oct-92	37 F	891.9
01U108	904.3	01-Dec-92	37 F	891.7
01U108	904.3	01-Feb-93	38 F	890.4
01U108	904.3	01-Mar-93	38 F	890.1
01U108	904.3	20-Apr-93	39 F	890.6
01U108	904.3	01-Jun-93	39 F	892.2
01U108	904.3	16-Aug-93	40 F	895.8
01U108	904.3	29-Oct-93	40 F	892.7
01U108	904.3	29-Oct-93	41 F	893.1
01U108	904.3	16-Dec-93	41 F	892.7
01U108	904.3	17-Feb-94	42 F	891.6
01U108	904.3	15-Mar-94	42 F	891.4
01U108	904.3	27-Apr-94	43 F	891.4
01U108	904.3	08-Jun-94	43 F	892.4
01U108	904.3	26-Jul-94	44 F	890.9
01U108	904.3	07-Sep-94	44 F	890.5
01U108	904.3	06-Mar-95	46 F	888.9
01U108	904.3	05-Sep-95	48 F	890.9
01U109	903.0	20-Oct-92	37 F	895.2
01U109	903.0	01-Dec-92	37 F	901.9
01U109	903.0	01-Feb-93	38 F	894.5
01U109	903.0	01-Mar-93	38 F	893.8
01U109	903.0	20-Apr-93	39 F	895.9
01U109	903.0	15-Jun-93	39 F	895.4
01U109	903.0	16-Aug-93	40 F	896.0
01U109	903.0	29-Oct-93	41 F	895.7
01U109	903.0	16-Dec-93	41 F	895.7
01U109	903.0	17-Feb-94	42 F	894.6
01U109	903.0	08-Mar-94	42 F	895.9
01U109	903.0	27-Apr-94	43 F	897.1
01U109	903.0	07-Jun-94	43 F	895.7
01U109	903.0	26-Jul-94	44 F	897.0
01U109	903.0	07-Sep-94	44 F	892.7
01U109	903.0	06-Mar-95	46 F	892.5
01U109	903.0	08-Sep-95	48 F	892.3
01U110	897.2	20-Oct-92	37 F	895.3
01U110	897.2	01-Dec-92	37 F	889.3
01U110	897.2	01-Feb-93	38 F	894.4
01U110	897.2	01-Mar-93	38 F	894.1
01U110	897.2	20-Apr-93	39 F	896.2
01U110	897.2	15-Jun-93	39 F	895.9
01U110	897.2	16-Aug-93	40 F	899.8
01U110	897.2	29-Oct-93	41 F	896.1
01U110	897.2	16-Dec-93	41 F	896.1
01U110	897.2	17-Feb-94	42 F	894.9
01U110	897.2	08-Mar-94	42 F	895.8

TABLE II - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U110	897.2	27-Apr-94	43 F	896.9
01U110	897.2	07-Jun-94	43 F	896.0
01U110	897.2	07-Sep-94	44 F	892.8
01U110	897.2	06-Mar-95	46 F	892.3
01U110	897.2	08-Sep-95	48 F	892.9
01U115	900.3	20-Oct-92	37 F	889.7
01U115	900.3	01-Dec-92	37 F	889.7
01U115	900.3	01-Feb-93	38 F	889.0
01U115	900.3	01-Mar-93	38 F	888.4
01U115	900.3	20-Apr-93	39 F	888.3
01U115	900.3	01-Jun-93	39 F	889.7
01U115	900.3	16-Aug-93	40 F	893.8
01U115	900.3	07-Sep-93	40 F	893.2
01U115	900.3	29-Oct-93	41 F	891.8
01U115	900.3	16-Dec-93	41 F	890.8
01U115	900.3	17-Feb-94	42 F	889.7
01U115	900.3	10-Mar-94	42 F	889.7
01U115	900.3	27-Apr-94	43 F	888.8
01U115	900.3	09-Jun-94	43 F	888.9
01U115	900.3	16-Jun-94	43 F	888.4
01U115	900.3	21-Jun-94	43 F	888.1
01U115	900.3	28-Jun-94	43 F	887.8
01U115	900.3	05-Jul-94	44 F	887.5
01U115	900.3	12-Jul-94	44 F	887.5
01U115	900.3	20-Jul-94	44 F	887.4
01U115	900.3	26-Jul-94	44 F	887.3
01U115	900.3	03-Aug-94	44 F	886.8
01U115	900.3	10-Aug-94	44 F	886.7
01U115	900.3	17-Aug-94	44 F	886.6
01U115	900.3	26-Aug-94	44 F	886.7
01U115	900.3	01-Sep-94	44 F	886.6
01U115	900.3	06-Sep-94	44 F	886.5
01U115	900.3	09-Sep-94	44 F	886.6
01U115	900.3	22-Sep-94	44 F	886.3
01U115	900.3	27-Sep-94	44 F	886.4
01U115	900.3	06-Oct-94	45 F	886.5
01U115	900.3	03-Nov-94	45 F	885.1
01U115	900.3	02-Dec-94	45 F	885.3
01U115	900.3	07-Jan-95	46 F	885.8
01U115	900.3	17-Feb-95	46 F	884.9
01U115	900.3	07-Mar-95	46 F	884.6
01U115	900.3	01-May-95	47 F	885.3
01U115	900.3	01-Jun-95	47 F	885.5
01U115	900.3	11-Jul-95	48 F	886.4
01U116	902.7	20-Oct-92	37 F	890.0
01U116	902.7	01-Dec-92	37 F	890.0
01U116	902.7	01-Feb-93	38 F	889.2
01U116	902.7	01-Mar-93	38 F	888.8
01U116	902.7	20-Apr-93	39 F	888.7
01U116	902.7	15-Jun-93	39 F	890.4
01U116	902.7	16-Aug-93	40 F	894.0
01U116	902.7	29-Oct-93	41 F	892.0
01U116	902.7	16-Dec-93	41 F	891.0
01U116	902.7	17-Feb-94	42 F	890.0
01U116	902.7	09-Mar-94	42 F	889.9
01U116	902.7	27-Apr-94	43 F	888.5
01U116	902.7	08-Jun-94	43 F	889.0
01U116	902.7	16-Jun-94	43 F	888.7
01U116	902.7	21-Jun-94	43 F	888.3
01U116	902.7	28-Jun-94	43 F	888.0
01U116	902.7	05-Jul-94	44 F	887.6
01U116	902.7	12-Jul-94	44 F	887.7
01U116	902.7	20-Jul-94	44 F	887.7
01U116	902.7	26-Jul-94	44 F	887.5
01U116	902.7	03-Aug-94	44 F	886.9
01U116	902.7	10-Aug-94	44 F	886.9
01U116	902.7	17-Aug-94	44 F	886.8
01U116	902.7	26-Aug-94	44 F	886.9
01U116	902.7	01-Sep-94	44 F	886.7
01U116	902.7	06-Sep-94	44 F	886.6
01U116	902.7	08-Sep-94	44 F	886.7
01U116	902.7	22-Sep-94	44 F	886.5
01U116	902.7	27-Sep-94	44 F	886.5
01U116	902.7	06-Oct-94	45 F	886.6
01U116	902.7	03-Nov-94	45 F	885.4
01U116	902.7	02-Dec-94	45 F	885.8
01U116	902.7	07-Jan-95	46 F	886.2
01U116	902.7	17-Feb-95	46 F	885.0
01U116	902.7	07-Mar-95	46 F	884.8
01U116	902.7	01-May-95	47 F	885.5
01U116	902.7	01-Jun-95	47 F	885.7
01U116	902.7	14-Jul-95	48 F	883.6
01U116	902.7	05-Sep-95	48 F	887.5
01U117	902.7	20-Oct-92	37 F	890.3
01U117	902.7	01-Dec-92	37 F	890.4
01U117	902.7	01-Feb-93	38 F	889.6
01U117	902.7	02-Mar-93	38 F	889.3
01U117	902.7	20-Apr-93	39 F	889.4
01U117	902.7	01-Jun-93	39 F	890.9
01U117	902.7	16-Aug-93	40 F	894.7
01U117	902.7	07-Sep-93	40 F	894.0
01U117	902.7	29-Oct-93	41 F	892.6
01U117	902.7	16-Dec-93	41 F	891.5
01U117	902.7	17-Feb-94	42 F	890.5
01U117	902.7	10-Mar-94	42 F	890.2
01U117	902.7	27-Apr-94	43 F	889.0
01U117	902.7	08-Jun-94	43 F	890.0
01U117	902.7	16-Jun-94	43 F	889.8
01U117	902.7	21-Jun-94	43 F	889.4
01U117	902.7	28-Jun-94	43 F	889.1
01U117	902.7	05-Jul-94	44 F	888.8
01U117	902.7	12-Jul-94	44 F	888.7
01U117	902.7	20-Jul-94	44 F	888.6
01U117	902.7	26-Jul-94	44 F	888.5
01U117	902.7	03-Aug-94	44 F	888.0
01U117	902.7	10-Aug-94	44 F	887.9
01U117	902.7	17-Aug-94	44 F	887.9
01U117	902.7	26-Aug-94	44 F	887.8
01U117	902.7	01-Sep-94	44 F	887.7
01U117	902.7	06-Sep-94	44 F	887.6
01U117	902.7	09-Sep-94	44 F	887.5
01U117	902.7	22-Sep-94	44 F	888.9
01U117	902.7	27-Sep-94	44 F	887.4
01U117	902.7	06-Oct-94	45 F	887.4
01U117	902.7	03-Nov-94	45 F	886.5
01U117	902.7	02-Dec-94	45 F	886.7
01U117	902.7	07-Jan-95	46 F	886.9
01U117	902.7	17-Feb-95	46 F	886.0
01U117	902.7	06-Mar-95	46 F	885.6
01U117	902.7	06-Sep-95	48 F	888.3
01U118	901.8	20-Oct-92	37 F	891.4
01U118	901.8	01-Dec-92	37 F	891.8
01U118	901.8	01-Feb-93	38 F	890.7
01U118	901.8	01-Mar-93	38 F	890.3
01U118	901.8	20-Apr-93	39 F	890.6
01U118	901.8	15-Jun-93	39 F	893.5
01U118	901.8	16-Aug-93	40 F	896.1
01U118	901.8	29-Oct-93	41 F	893.5
01U118	901.8	16-Dec-93	41 F	892.8
01U118	901.8	17-Feb-94	42 F	891.7
01U118	901.8	08-Mar-94	42 F	891.4
01U118	901.8	27-Apr-94	43 F	892.2
01U118	901.8	07-Jun-94	43 F	893.2
01U118	901.8	26-Jul-94	44 F	892.2
01U118	901.8	06-Sep-94	44 F	887.5
01U118	901.8	08-Mar-95	46 F	887.7
01U118	901.8	08-Sep-95	48 F	889.4
01U119	898.1	20-Oct-92	37 F	893.7
01U119	898.1	01-Dec-92	37 F	894.1
01U119	898.1	01-Feb-93	38 F	892.7
01U119	898.1	01-Mar-93	38 F	892.4
01U119	898.1	20-Apr-93	39 F	894.3
01U119	898.1	15-Jun-93	39 F	894.6

TABLE II - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U119	898.1	16-Aug-93	40 F	896.7
01U119	898.1	29-Oct-93	41 F	894.9
01U119	898.1	16-Dec-93	41 F	894.8
01U119	898.1	17-Feb-94	42 F	893.4
01U119	898.1	08-Mar-94	42 F	893.9
01U119	898.1	27-Apr-94	43 F	896.7
01U119	898.1	07-Jun-94	43 F	894.9
01U119	898.1	26-Jul-94	44 F	896.7
01U119	898.1	07-Sep-94	44 F	891.6
01U119	898.1	06-Mar-95	46 F	890.7
01U119	898.1	08-Sep-95	48 F	891.7
01U120	902.2	20-Oct-92	37 F	891.7
01U120	902.2	01-Dec-92	37 F	891.8
01U120	902.2	01-Feb-93	38 F	890.8
01U120	902.2	01-Mar-93	38 F	890.3
01U120	902.2	20-Apr-93	39 F	890.8
01U120	902.2	15-Jun-93	39 F	892.2
01U120	902.2	16-Aug-93	40 F	894.8
01U120	902.2	29-Oct-93	41 F	892.8
01U120	902.2	16-Dec-93	41 F	892.3
01U120	902.2	17-Feb-94	42 F	891.2
01U120	902.2	17-Feb-94	42 F	891.5
01U120	902.2	09-Mar-94	42 F	891.5
01U120	902.2	27-Apr-94	43 F	891.5
01U120	902.2	08-Jun-94	43 F	892.5
01U120	902.2	26-Jul-94	44 F	891.5
01U120	902.2	08-Sep-94	44 F	887.6
01U120	902.2	07-Mar-95	46 F	888.4
01U120	902.2	08-Sep-95	48 F	890.1
01U122	901.0	01-Mar-93	38 F	896.6
01U122	901.0	11-Mar-94	42 F	898.0
01U122	901.0	08-Mar-95	46 F	895.3
01U125	901.1	20-Oct-92	37 F	890.5
01U125	901.1	01-Dec-92	37 F	890.5
01U125	901.1	01-Feb-93	38 F	889.8
01U125	901.1	02-Mar-93	38 F	889.2
01U125	901.1	20-Apr-93	39 F	889.0
01U125	901.1	15-Jun-93	39 F	894.4
01U125	901.1	16-Aug-93	40 F	894.4
01U125	901.1	29-Oct-93	41 F	892.6
01U125	901.1	16-Dec-93	41 F	891.5
01U125	901.1	17-Feb-94	42 F	890.3
01U125	901.1	10-Mar-94	42 F	890.3
01U125	901.1	27-Apr-94	43 F	889.9
01U125	901.1	09-Jun-94	43 F	890.7
01U125	901.1	16-Jun-94	43 F	890.9
01U125	901.1	21-Jun-94	43 F	888.6
01U125	901.1	28-Jun-94	43 F	889.3
01U125	901.1	05-Jul-94	44 F	889.0
01U125	901.1	12-Jul-94	44 F	888.7
01U125	901.1	20-Jul-94	44 F	888.5
01U125	901.1	26-Jul-94	44 F	888.3
01U125	901.1	03-Aug-94	44 F	888.1
01U125	901.1	10-Aug-94	44 F	887.9
01U125	901.1	17-Aug-94	44 F	887.7
01U125	901.1	26-Aug-94	44 F	887.5
01U125	901.1	01-Sep-94	44 F	887.4
01U125	901.1	06-Sep-94	44 F	887.3
01U125	901.1	09-Sep-94	44 F	887.5
01U125	901.1	22-Sep-94	44 F	887.0
01U125	901.1	27-Sep-94	44 F	887.0
01U125	901.1	06-Oct-94	45 F	887.0
01U125	901.1	03-Nov-94	45 F	886.4
01U125	901.1	02-Dec-94	45 F	886.0
01U125	901.1	07-Jan-95	46 F	886.2
01U125	901.1	17-Feb-95	46 F	886.2
01U125	901.1	07-Mar-95	46 F	885.7
01U125	901.1	01-May-95	47 F	885.9
01U125	901.1	01-Jun-95	47 F	886.1
01U125	901.1	14-Jul-95	48 F	884.0
01U125	901.1	05-Sep-95	48 F	887.7
01U126	903.3	20-Oct-92	37 F	891.4
01U126	903.3	01-Dec-92	37 F	891.5
01U126	903.3	01-Feb-93	38 F	890.7
01U126	903.3	02-Mar-93	38 F	890.1
01U126	903.3	20-Apr-93	39 F	890.5
01U126	903.3	15-Jun-93	39 F	892.2
01U126	903.3	16-Aug-93	40 F	896.1
01U126	903.3	29-Oct-93	41 F	892.9
01U126	903.3	16-Dec-93	41 F	892.3
01U126	903.3	17-Feb-94	42 F	891.3
01U126	903.3	09-Mar-94	42 F	891.3
01U126	903.3	27-Apr-94	43 F	890.6
01U126	903.3	07-Jun-94	43 F	892.1
01U126	903.3	26-Jul-94	44 F	890.7
01U126	903.3	07-Sep-94	44 F	889.1
01U126	903.3	06-Mar-95	46 F	887.2
01U126	903.3	08-Sep-95	48 F	889.3
01U127	902.9	20-Oct-92	37 F	892.0
01U127	902.9	01-Dec-92	37 F	892.2
01U127	902.9	01-Feb-93	38 F	891.0
01U127	902.9	01-Mar-93	38 F	890.7
01U127	902.9	20-Apr-93	39 F	891.3
01U127	902.9	15-Jun-93	39 F	892.8
01U127	902.9	16-Aug-93	40 F	896.9
01U127	902.9	29-Oct-93	41 F	893.3
01U127	902.9	16-Dec-93	41 F	892.8
01U127	902.9	17-Feb-94	42 F	891.7
01U127	902.9	09-Mar-94	42 F	891.7
01U127	902.9	27-Apr-94	43 F	892.2
01U127	902.9	07-Jun-94	43 F	893.0
01U127	902.9	26-Jul-94	44 F	892.5
01U127	902.9	07-Sep-94	44 F	889.2
01U127	902.9	07-Mar-95	46 F	888.6
01U127	902.9	08-Sep-95	48 F	890.4
01U128	881.3	01-Dec-92	37 A	873.9
01U128	881.3	02-Mar-93	38 A	873.1
01U128	881.3	01-Jun-93	39 A	875.4
01U128	881.3	08-Sep-93	40 A	875.2
01U128	881.3	01-Mar-94	42 A	873.8
01U128	881.3	06-Sep-94	44 A	873.2
01U128	881.3	06-Mar-95	46 A	872.8
01U128	881.3	05-Sep-95	48 A	874.9
01U130	888.7	02-Mar-93	38 F	880.7
01U130	888.7	17-Mar-94	42 F	880.7
01U130	888.7	08-Mar-95	46 F	880.6
01U133	900.7	20-Oct-92	37 F	893.0
01U133	900.7	01-Dec-92	37 F	893.3
01U133	900.7	01-Feb-93	38 F	892.2
01U133	900.7	01-Mar-93	38 F	891.8
01U133	900.7	20-Apr-93	39 F	893.2
01U133	900.7	15-Jun-93	39 F	894.0
01U133	900.7	16-Aug-93	40 F	896.9
01U133	900.7	29-Oct-93	41 F	894.2
01U133	900.7	16-Dec-93	41 F	893.8
01U133	900.7	17-Feb-94	42 F	892.7
01U133	900.7	07-Mar-94	42 F	893.0
01U133	900.7	27-Apr-94	43 F	895.7
01U133	900.7	08-Jun-94	43 F	894.1
01U133	900.7	26-Jul-94	44 F	895.7
01U133	900.7	08-Sep-94	44 F	891.2
01U133	900.7	07-Mar-95	46 F	892.0
01U133	900.7	08-Sep-95	48 F	891.3
01U135	900.0	20-Oct-92	37 F	884.9
01U135	900.0	01-Dec-92	37 F	884.9
01U135	900.0	01-Feb-93	38 F	884.3
01U135	900.0	01-Mar-93	38 F	884.1
01U135	900.0	20-Apr-93	39 F	884.0
01U135	900.0	15-Jun-93	39 F	885.5

TABLE II - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U135	900.0	16-Aug-93	40 F	888.5
01U135	900.0	29-Oct-93	41 F	887.0
01U135	900.0	16-Dec-93	41 F	886.3
01U135	900.0	17-Feb-94	42 F	885.5
01U135	900.0	27-Feb-94	42 F	884.9
01U135	900.0	09-Mar-94	42 F	885.1
01U135	900.0	08-Jun-94	43 F	886.4
01U135	900.0	26-Jul-94	44 F	884.5
01U135	900.0	08-Sep-94	44 F	884.4
01U135	900.0	08-Mar-95	46 F	882.5
01U135	900.0	08-Sep-95	48 F	884.2
01U136	898.8	09-Nov-92	37 F	880.2
01U136	898.8	01-Dec-92	37 F	880.2
01U136	898.8	01-Feb-93	38 F	879.8
01U136	898.8	02-Mar-93	38 F	879.7
01U136	898.8	20-Apr-93	39 F	879.5
01U136	898.8	15-Jun-93	39 F	880.9
01U136	898.8	16-Aug-93	40 F	883.1
01U136	898.8	29-Oct-93	41 F	881.7
01U136	898.8	16-Dec-93	41 F	881.3
01U136	898.8	17-Feb-94	42 F	880.6
01U136	898.8	09-Mar-94	42 F	880.6
01U136	898.8	27-Apr-94	43 F	880.4
01U136	898.8	08-Jun-94	43 F	881.9
01U136	898.8	26-Jul-94	44 F	880.4
01U136	898.8	08-Sep-94	44 F	880.0
01U136	898.8	07-Mar-95	46 F	879.0
01U136	898.8	08-Sep-95	48 F	880.3
01U137	900.9	20-Oct-92	37 F	891.6
01U137	900.9	01-Dec-92	37 F	891.8
01U137	900.9	01-Feb-93	38 F	890.7
01U137	900.9	01-Mar-93	38 F	890.3
01U137	900.9	20-Apr-93	39 F	890.4
01U137	900.9	15-Jun-93	39 F	892.3
01U137	900.9	16-Aug-93	40 F	896.1
01U137	900.9	29-Oct-93	41 F	893.4
01U137	900.9	16-Dec-93	41 F	892.7
01U137	900.9	17-Feb-94	42 F	891.6
01U137	900.9	10-Mar-94	42 F	891.4
01U137	900.9	27-Apr-94	43 F	891.7
01U137	900.9	07-Jun-94	43 F	892.5
01U137	900.9	26-Jul-94	44 F	891.3
01U137	900.9	06-Sep-94	44 F	886.9
01U137	900.9	06-Mar-95	46 F	887.1
01U137	900.9	08-Sep-95	48 F	889.3
01U138	904.6	20-Oct-92	37 F	889.9
01U138	904.6	01-Dec-92	37 F	889.9
01U138	904.6	01-Feb-93	38 F	889.1
01U138	904.6	02-Mar-93	38 F	888.5
01U138	904.6	20-Apr-93	39 F	888.6
01U138	904.6	15-Jun-93	39 F	890.3
01U138	904.6	16-Aug-93	40 F	894.1
01U138	904.6	29-Oct-93	41 F	892.1
01U138	904.6	16-Dec-93	41 F	891.0
01U138	904.6	17-Feb-94	42 F	889.9
01U138	904.6	10-Mar-94	42 F	889.9
01U138	904.6	27-Apr-94	43 F	890.8
01U138	904.6	09-Jun-94	43 F	888.7
01U138	904.6	16-Jun-94	43 F	888.4
01U138	904.6	21-Jun-94	43 F	888.0
01U138	904.6	28-Jun-94	43 F	887.7
01U138	904.6	05-Jul-94	44 F	887.4
01U138	904.6	12-Jul-94	44 F	887.3
01U138	904.6	20-Jul-94	44 F	887.2
01U138	904.6	26-Jul-94	44 F	887.1
01U138	904.6	03-Aug-94	44 F	886.7
01U138	904.6	10-Aug-94	44 F	886.5
01U138	904.6	17-Aug-94	44 F	886.6
01U138	904.6	26-Aug-94	44 F	886.6
01U138	904.6	01-Sep-94	44 F	886.4
01U138	904.6	06-Sep-94	44 F	886.3
01U138	904.6	09-Sep-94	44 F	886.5
01U138	904.6	22-Sep-94	44 F	886.2
01U138	904.6	27-Sep-94	44 F	886.3
01U138	904.6	06-Oct-94	45 F	886.4
01U138	904.6	03-Nov-94	45 F	884.6
01U138	904.6	02-Dec-94	45 F	884.9
01U138	904.6	07-Jan-95	46 F	885.5
01U138	904.6	17-Feb-95	46 F	884.3
01U138	904.6	07-Mar-95	46 F	884.1
01U138	904.6	01-May-95	47 F	885.1
01U138	904.6	01-Jun-95	47 F	885.4
01U138	904.6	14-Jul-95	48 F	883.3
01U138	904.6	05-Sep-95	48 F	887.4
01U139	901.5	20-Oct-92	37 F	889.3
01U139	901.5	01-Dec-92	37 F	889.2
01U139	901.5	01-Feb-93	38 F	888.6
01U139	901.5	02-Mar-93	38 F	888.0
01U139	901.5	20-Apr-93	39 F	887.8
01U139	901.5	15-Jun-93	39 F	889.6
01U139	901.5	16-Aug-93	40 F	893.4
01U139	901.5	07-Sep-93	40 F	893.0
01U139	901.5	29-Oct-93	41 F	891.5
01U139	901.5	16-Dec-93	41 F	890.4
01U139	901.5	17-Feb-94	42 F	889.4
01U139	901.5	07-Mar-94	42 F	889.3
01U139	901.5	27-Apr-94	43 F	888.7
01U139	901.5	08-Jun-94	43 F	888.1
01U139	901.5	16-Jun-94	43 F	887.5
01U139	901.5	21-Jun-94	43 F	887.2
01U139	901.5	28-Jun-94	43 F	886.8
01U139	901.5	05-Jul-94	44 F	886.4
01U139	901.5	12-Jul-94	44 F	886.2
01U139	901.5	20-Jul-94	44 F	886.0
01U139	901.5	26-Jul-94	44 F	885.9
01U139	901.5	03-Aug-94	44 F	885.7
01U139	901.5	10-Aug-94	44 F	885.6
01U139	901.5	17-Aug-94	44 F	885.5
01U139	901.5	26-Aug-94	44 F	885.5
01U139	901.5	01-Sep-94	44 F	885.9
01U139	901.5	06-Sep-94	44 F	885.9
01U139	901.5	09-Sep-94	44 F	886.0
01U139	901.5	22-Sep-94	44 F	885.9
01U139	901.5	27-Sep-94	44 F	886.0
01U139	901.5	06-Oct-94	45 F	886.2
01U139	901.5	03-Nov-94	45 F	884.5
01U139	901.5	02-Dec-94	45 F	884.6
01U139	901.5	07-Jan-95	46 F	885.3
01U139	901.5	17-Feb-95	46 F	883.9
01U139	901.5	07-Mar-95	46 F	883.3
01U139	901.5	01-May-95	47 F	887.2
01U139	901.5	01-Jun-95	47 F	884.3
01U139	901.5	14-Jul-95	48 F	885.5
01U139	901.5	05-Sep-95	48 F	886.9
01U140	899.0	20-Oct-92	37 F	887.6
01U140	899.0	01-Dec-92	37 F	887.5
01U140	899.0	01-Feb-93	38 F	886.9
01U140	899.0	02-Mar-93	38 F	886.3
01U140	899.0	20-Apr-93	39 F	886.0
01U140	899.0	15-Jun-93	39 F	888.7
01U140	899.0	16-Aug-93	40 F	891.4
01U140	899.0	07-Sep-93	40 F	891.0
01U140	899.0	29-Oct-93	41 F	889.7
01U140	899.0	16-Dec-93	41 F	888.6
01U140	899.0	17-Feb-94	42 F	887.6
01U140	899.0	08-Mar-94	42 F	887.7
01U140	899.0	27-Apr-94	43 F	887.1
01U140	899.0	08-Jun-94	43 F	887.5
01U140	899.0	16-Jun-94	43 F	886.9
01U140	899.0	21-Jun-94	43 F	886.6
01U140	899.0	28-Jun-94	43 F	886.3
01U140	899.0	05-Jul-94	44 F	885.9
01U140	899.0	12-Jul-94	44 F	885.6

TABLE II - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U140	899.0	20-Jul-94	44 F	885.6
01U140	899.0	26-Jul-94	44 F	886.5
01U140	899.0	03-Aug-94	44 F	885.4
01U140	899.0	10-Aug-94	44 F	885.4
01U140	899.0	17-Aug-94	44 F	885.4
01U140	899.0	26-Aug-94	44 F	885.4
01U140	899.0	01-Sep-94	44 F	885.1
01U140	899.0	06-Sep-94	44 F	885.1
01U140	899.0	09-Sep-94	44 F	888.1
01U140	899.0	22-Sep-94	44 F	885.0
01U140	899.0	27-Sep-94	44 F	885.1
01U140	899.0	06-Oct-94	45 F	885.2
01U140	899.0	03-Nov-94	45 F	883.8
01U140	899.0	02-Dec-94	45 F	883.9
01U140	899.0	07-Jan-95	46 F	884.6
01U140	899.0	07-Mar-95	46 F	882.9
01U140	899.0	01-May-95	47 F	883.4
01U140	899.0	01-Jun-95	47 F	883.8
01U140	899.0	14-Jul-95	48 F	884.3
01U140	899.0	05-Sep-95	48 F	885.1
01U141	898.0	20-Oct-92	37 F	889.4
01U141	898.0	01-Dec-92	37 F	889.4
01U141	898.0	01-Feb-93	38 F	888.6
01U141	898.0	01-Mar-93	38 F	888.1
01U141	898.0	20-Apr-93	39 F	888.0
01U141	898.0	15-Jun-93	39 F	889.8
01U141	898.0	16-Aug-93	40 F	893.9
01U141	898.0	29-Oct-93	41 F	891.3
01U141	898.0	16-Dec-93	41 F	890.5
01U141	898.0	17-Feb-94	42 F	889.5
01U141	898.0	08-Mar-94	42 F	889.3
01U141	898.0	27-Apr-94	43 F	889.4
01U141	898.0	07-Jun-94	43 F	890.0
01U141	898.0	26-Jul-94	44 F	889.1
01U141	898.0	06-Sep-94	44 F	887.1
01U141	898.0	07-Mar-95	46 F	884.7
01U141	898.0	08-Sep-95	48 F	887.2
01U145	901.4	26-May-94	43 F	892.3
01U145	901.4	09-Jun-94	43 F	890.9
01U145	901.4	16-Jun-94	43 F	890.2
01U145	901.4	21-Jun-94	43 F	889.9
01U145	901.4	28-Jun-94	43 F	889.6
01U145	901.4	05-Jul-94	44 F	889.3
01U145	901.4	12-Jul-94	44 F	889.1
01U145	901.4	20-Jul-94	44 F	888.9
01U145	901.4	26-Jul-94	44 F	888.7
01U145	901.4	03-Aug-94	44 F	887.7
01U145	901.4	10-Aug-94	44 F	888.2
01U145	901.4	17-Aug-94	44 F	888.1
01U145	901.4	26-Aug-94	44 F	888.0
01U145	901.4	01-Sep-94	44 F	887.8
01U145	901.4	06-Sep-94	44 F	887.7
01U145	901.4	22-Sep-94	44 F	887.4
01U145	901.4	27-Sep-94	44 F	887.4
01U145	901.4	06-Oct-94	45 F	887.4
01U145	901.4	03-Nov-94	45 F	886.5
01U145	901.4	02-Dec-94	45 F	886.4
01U145	901.4	07-Jan-95	46 F	886.6
01U145	901.4	17-Feb-95	46 F	886.1
01U145	901.4	07-Mar-95	46 F	885.5
01U145	901.4	04-Apr-95	47 F	885.2
01U145	901.4	01-May-95	47 F	886.0
01U145	901.4	01-Jun-95	47 F	886.2
01U145	901.4	14-Jul-95	48 F	887.3
01U145	901.4	07-Aug-95	48 F	887.6
01U145	901.4	08-Sep-95	48 F	888.0
01U146	903.5	26-May-94	43 F	891.2
01U146	903.5	09-Jun-94	43 F	889.0
01U146	903.5	16-Jun-94	43 F	888.8
01U146	903.5	21-Jun-94	43 F	888.3
01U146	903.5	28-Jun-94	43 F	888.0

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U146	903.5	05-Jul-94	44 F	887.8
01U146	903.5	12-Jul-94	44 F	887.7
01U146	903.5	20-Jul-94	44 F	887.7
01U146	903.5	26-Jul-94	44 F	887.6
01U146	903.5	03-Aug-94	44 F	887.2
01U146	903.5	10-Aug-94	44 F	887.0
01U146	903.5	17-Aug-94	44 F	887.0
01U146	903.5	26-Aug-94	44 F	887.1
01U146	903.5	01-Sep-94	44 F	886.8
01U146	903.5	06-Sep-94	44 F	886.6
01U146	903.5	22-Sep-94	44 F	886.5
01U146	903.5	27-Sep-94	44 F	886.5
01U146	903.5	06-Oct-94	45 F	886.9
01U146	903.5	03-Nov-94	45 F	885.4
01U146	903.5	02-Dec-94	45 F	885.7
01U146	903.5	07-Jan-95	46 F	886.1
01U146	903.5	17-Feb-95	46 F	885.1
01U146	903.5	07-Mar-95	46 F	884.5
01U146	903.5	04-Apr-95	47 F	884.4
01U146	903.5	01-May-95	47 F	885.6
01U146	903.5	01-Jun-95	47 F	885.9
01U146	903.5	14-Jul-95	48 F	886.9
01U146	903.5	07-Aug-95	48 F	887.3
01U146	903.5	08-Sep-95	48 F	887.8
01U147	902.8	26-May-94	43 F	891.6
01U147	902.8	09-Jun-94	43 F	889.8
01U147	902.8	16-Jun-94	43 F	889.3
01U147	902.8	21-Jun-94	43 F	889.1
01U147	902.8	28-Jun-94	43 F	888.8
01U147	902.8	05-Jul-94	44 F	888.6
01U147	902.8	12-Jul-94	44 F	888.5
01U147	902.8	20-Jul-94	44 F	888.4
01U147	902.8	26-Jul-94	44 F	888.3
01U147	902.8	03-Aug-94	44 F	887.7
01U147	902.8	10-Aug-94	44 F	887.6
01U147	902.8	17-Aug-94	44 F	887.6
01U147	902.8	26-Aug-94	44 F	887.5
01U147	902.8	01-Sep-94	44 F	887.4
01U147	902.8	06-Sep-94	44 F	887.3
01U147	902.8	22-Sep-94	44 F	887.1
01U147	902.8	27-Sep-94	44 F	887.2
01U147	902.8	06-Oct-94	45 F	887.2
01U147	902.8	03-Nov-94	45 F	886.3
01U147	902.8	02-Dec-94	45 F	887.5
01U147	902.8	07-Jan-95	46 F	886.7
01U147	902.8	17-Feb-95	46 F	885.8
01U147	902.8	07-Mar-95	46 F	885.4
01U147	902.8	04-Apr-95	47 F	885.3
01U147	902.8	01-May-95	47 F	886.3
01U147	902.8	01-Jun-95	47 F	886.5
01U147	902.8	14-Jul-95	48 F	887.5
01U147	902.8	07-Aug-95	48 F	887.6
01U147	902.8	08-Sep-95	48 F	888.0
01U148	902.6	26-May-94	43 F	891.4
01U148	902.6	09-Jun-94	43 F	889.0
01U148	902.6	16-Jun-94	43 F	888.6
01U148	902.6	21-Jun-94	43 F	888.2
01U148	902.6	28-Jun-94	43 F	888.0
01U148	902.6	05-Jul-94	44 F	887.7
01U148	902.6	12-Jul-94	44 F	887.7
01U148	902.6	20-Jul-94	44 F	887.7
01U148	902.6	26-Jul-94	44 F	887.6
01U148	902.6	03-Aug-94	44 F	886.8
01U148	902.6	10-Aug-94	44 F	886.8
01U148	902.6	17-Aug-94	44 F	886.8
01U148	902.6	26-Aug-94	44 F	886.8
01U148	902.6	01-Sep-94	44 F	886.7
01U148	902.6	06-Sep-94	44 F	886.5
01U148	902.6	22-Sep-94	44 F	886.4
01U148	902.6	27-Sep-94	44 F	886.5
01U148	902.6	06-Oct-94	45 F	886.6
01U148	902.6	03-Nov-94	45 F	885.2

TABLE II - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U148	902.6	02-Dec-94	45 F	885.7
01U148	902.6	07-Jan-95	46 F	886.1
01U148	902.6	17-Feb-95	46 F	885.0
01U148	902.6	07-Mar-95	46 F	884.6
01U148	902.6	04-Apr-95	47 F	884.5
01U148	902.6	01-May-95	47 F	885.5
01U148	902.6	01-Jun-95	47 F	885.6
01U148	902.6	14-Jul-95	48 F	883.6
01U148	902.6	07-Aug-95	48 F	887.1
01U148	902.6	08-Sep-95	48 F	887.5
01U149	901.3	26-May-94	43 F	891.6
01U149	901.3	09-Jun-94	43 F	889.7
01U149	901.3	16-Jun-94	43 F	889.2
01U149	901.3	21-Jun-94	43 F	888.7
01U149	901.3	28-Jun-94	43 F	888.4
01U149	901.3	05-Jul-94	44 F	888.1
01U149	901.3	12-Jul-94	44 F	888.0
01U149	901.3	20-Jul-94	44 F	887.9
01U149	901.3	26-Jul-94	44 F	887.8
01U149	901.3	03-Aug-94	44 F	884.9
01U149	901.3	10-Aug-94	44 F	887.2
01U149	901.3	17-Aug-94	44 F	887.1
01U149	901.3	26-Aug-94	44 F	887.1
01U149	901.3	01-Sep-94	44 F	887.0
01U149	901.3	06-Sep-94	44 F	886.8
01U149	901.3	22-Sep-94	44 F	886.6
01U149	901.3	27-Sep-94	44 F	886.7
01U149	901.3	06-Oct-94	45 F	886.7
01U149	901.3	03-Nov-94	45 F	885.4
01U149	901.3	02-Dec-94	45 F	885.6
01U149	901.3	07-Jan-95	46 F	886.0
01U149	901.3	17-Feb-95	46 F	885.3
01U149	901.3	07-Mar-95	46 F	884.5
01U149	901.3	04-Apr-95	47 F	884.3
01U149	901.3	01-May-95	47 F	885.5
01U149	901.3	01-Jun-95	47 F	885.8
01U149	901.3	14-Jul-95	48 F	883.7
01U149	901.3	07-Aug-95	48 F	887.2
01U149	901.3	08-Sep-95	48 F	887.7
01U150	901.3	26-May-94	43 F	891.1
01U150	901.3	09-Jun-94	43 F	888.6
01U150	901.3	16-Jun-94	43 F	888.3
01U150	901.3	21-Jun-94	43 F	887.8
01U150	901.3	28-Jun-94	43 F	887.5
01U150	901.3	05-Jul-94	44 F	887.2
01U150	901.3	12-Jul-94	44 F	887.1
01U150	901.3	20-Jul-94	44 F	887.0
01U150	901.3	26-Jul-94	44 F	887.0
01U150	901.3	03-Aug-94	44 F	886.1
01U150	901.3	10-Aug-94	44 F	886.4
01U150	901.3	17-Aug-94	44 F	886.4
01U150	901.3	26-Aug-94	44 F	886.5
01U150	901.3	01-Sep-94	44 F	886.3
01U150	901.3	06-Sep-94	44 F	886.0
01U150	901.3	22-Sep-94	44 F	886.0
01U150	901.3	27-Sep-94	44 F	886.1
01U150	901.3	06-Oct-94	45 F	886.2
01U150	901.3	03-Nov-94	45 F	884.6
01U150	901.3	02-Dec-94	45 F	884.8
01U150	901.3	07-Jan-95	46 F	885.2
01U150	901.3	17-Feb-95	46 F	884.3
01U150	901.3	07-Mar-95	46 F	883.7
01U150	901.3	04-Apr-95	47 F	883.7
01U150	901.3	01-May-95	47 F	884.9
01U150	901.3	01-Jun-95	47 F	885.3
01U150	901.3	14-Jul-95	48 F	879.7
01U150	901.3	07-Aug-95	48 F	886.7
01U150	901.3	08-Sep-95	48 F	887.2
01U151	904.7	26-May-94	43 F	893.8
01U151	904.7	09-Jun-94	43 F	888.9
01U151	904.7	16-Jun-94	43 F	888.5
01U151	904.7	21-Jun-94	43 F	888.0
01U151	904.7	28-Jun-94	43 F	887.7
01U151	904.7	05-Jul-94	44 F	887.4
01U151	904.7	12-Jul-94	44 F	887.3
01U151	904.7	20-Jul-94	44 F	887.2
01U151	904.7	26-Jul-94	44 F	887.1
01U151	904.7	03-Aug-94	44 F	886.7
01U151	904.7	10-Aug-94	44 F	886.5
01U151	904.7	17-Aug-94	44 F	886.5
01U151	904.7	26-Aug-94	44 F	886.5
01U151	904.7	01-Sep-94	44 F	886.3
01U151	904.7	06-Sep-94	44 F	886.2
01U151	904.7	22-Sep-94	44 F	886.1
01U151	904.7	27-Sep-94	44 F	886.2
01U151	904.7	06-Oct-94	45 F	886.3
01U151	904.7	03-Nov-94	45 F	881.7
01U151	904.7	02-Dec-94	45 F	884.9
01U151	904.7	07-Jan-95	46 F	885.3
01U151	904.7	17-Feb-95	46 F	884.4
01U151	904.7	07-Mar-95	46 F	883.8
01U151	904.7	04-Apr-95	47 F	883.7
01U151	904.7	01-May-95	47 F	884.9
01U151	904.7	01-Jun-95	47 F	885.3
01U151	904.7	14-Jul-95	48 F	883.1
01U151	904.7	07-Aug-95	48 F	886.6
01U151	904.7	08-Sep-95	48 F	887.2
01U152	901.0	26-May-94	43 F	889.6
01U152	901.0	09-Jun-94	43 F	888.0
01U152	901.0	09-Jun-94	43 F	888.6
01U152	901.0	21-Jun-94	43 F	887.7
01U152	901.0	28-Jun-94	43 F	887.4
01U152	901.0	05-Jul-94	44 F	887.1
01U152	901.0	12-Jul-94	44 F	886.8
01U152	901.0	20-Jul-94	44 F	886.7
01U152	901.0	26-Jul-94	44 F	886.6
01U152	901.0	03-Aug-94	44 F	886.3
01U152	901.0	17-Aug-94	44 F	886.0
01U152	901.0	19-Aug-94	44 F	886.1
01U152	901.0	26-Aug-94	44 F	886.0
01U152	901.0	01-Sep-94	44 F	886.1
01U152	901.0	06-Sep-94	44 F	886.0
01U152	901.0	22-Sep-94	44 F	885.9
01U152	901.0	27-Sep-94	44 F	886.0
01U152	901.0	06-Oct-94	45 F	886.1
01U152	901.0	03-Nov-94	45 F	884.8
01U152	901.0	02-Dec-94	45 F	884.8
01U152	901.0	07-Jan-95	46 F	885.3
01U152	901.0	07-Mar-95	46 F	883.7
01U152	901.0	04-Apr-95	47 F	883.8
01U152	901.0	01-May-95	47 F	884.4
01U152	901.0	01-Jun-95	47 F	884.7
01U152	901.0	14-Jul-95	48 F	885.8
01U152	901.0	07-Aug-95	48 F	886.3
01U152	901.0	08-Sep-95	48 F	886.9
01U153	899.9	26-May-94	43 F	889.2
01U153	899.9	09-Jun-94	43 F	887.3
01U153	899.9	09-Jun-94	43 F	888.0
01U153	899.9	24-Jun-94	43 F	886.9
01U153	899.9	28-Jun-94	43 F	886.4
01U153	899.9	05-Jul-94	44 F	886.0
01U153	899.9	12-Jul-94	44 F	885.7
01U153	899.9	26-Jul-94	44 F	885.5
01U153	899.9	03-Aug-94	44 F	885.3
01U153	899.9	10-Aug-94	44 F	885.2
01U153	899.9	17-Aug-94	44 F	885.1
01U153	899.9	26-Aug-94	44 F	885.1
01U153	899.9	01-Sep-94	44 F	885.4
01U153	899.9	06-Sep-94	44 F	885.3
01U153	899.9	22-Sep-94	44 F	885.4
01U153	899.9	27-Sep-94	44 F	885.5
01U153	899.9	06-Oct-94	45 F	885.6
01U153	899.9	03-Nov-94	45 F	884.2

TABLE II - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U153	899.9	02-Dec-94	45 F	884.3
01U153	899.9	07-Jan-95	46 F	884.7
01U153	899.9	17-Feb-95	46 F	883.7
01U153	899.9	07-Mar-95	46 F	882.8
01U153	899.9	04-Apr-95	47 F	882.4
01U153	899.9	01-May-95	47 F	883.5
01U153	899.9	01-Jun-95	47 F	884.0
01U153	899.9	14-Jul-95	48 F	884.7
01U153	899.9	07-Aug-95	48 F	885.4
01U153	899.9	08-Sep-95	48 F	886.2
01U154	898.9	26-May-94	43 F	888.1
01U154	898.9	09-Jun-94	43 F	887.6
01U154	898.9	16-Jun-94	43 F	887.0
01U154	898.9	21-Jun-94	43 F	886.6
01U154	898.9	28-Jun-94	43 F	886.2
01U154	898.9	05-Jul-94	44 F	885.8
01U154	898.9	12-Jul-94	44 F	885.5
01U154	898.9	20-Jul-94	44 F	885.4
01U154	898.9	26-Jul-94	44 F	885.4
01U154	898.9	03-Aug-94	44 F	885.3
01U154	898.9	10-Aug-94	44 F	885.2
01U154	898.9	17-Aug-94	44 F	885.2
01U154	898.9	26-Aug-94	44 F	885.2
01U154	898.9	01-Sep-94	44 F	885.0
01U154	898.9	06-Sep-94	44 F	885.0
01U154	898.9	22-Sep-94	44 F	885.0
01U154	898.9	27-Sep-94	44 F	885.1
01U154	898.9	06-Oct-94	45 F	885.2
01U154	898.9	03-Nov-94	45 F	883.9
01U154	898.9	02-Dec-94	45 F	884.0
01U154	898.9	07-Jan-95	46 F	884.2
01U154	898.9	17-Feb-95	46 F	883.4
01U154	898.9	07-Mar-95	46 F	882.6
01U154	898.9	04-Apr-95	47 F	882.2
01U154	898.9	01-May-95	47 F	883.4
01U154	898.9	01-Jun-95	47 F	883.9
01U154	898.9	14-Jul-95	48 F	884.1
01U154	898.9	07-Aug-95	48 F	884.6
01U154	898.9	08-Sep-95	48 F	885.3
01U155	897.9	26-May-94	43 F	887.4
01U155	897.9	09-Jun-94	43 F	886.5
01U155	897.9	16-Jun-94	43 F	886.2
01U155	897.9	21-Jun-94	43 F	886.0
01U155	897.9	28-Jun-94	43 F	885.7
01U155	897.9	05-Jul-94	44 F	885.4
01U155	897.9	12-Jul-94	44 F	885.2
01U155	897.9	20-Jul-94	44 F	885.1
01U155	897.9	26-Jul-94	44 F	885.1
01U155	897.9	03-Aug-94	44 F	884.9
01U155	897.9	10-Aug-94	44 F	884.9
01U155	897.9	17-Aug-94	44 F	884.8
01U155	897.9	26-Aug-94	44 F	884.7
01U155	897.9	01-Sep-94	44 F	884.5
01U155	897.9	06-Sep-94	44 F	884.5
01U155	897.9	22-Sep-94	44 F	884.3
01U155	897.9	27-Sep-94	44 F	884.4
01U155	897.9	06-Oct-94	45 F	884.4
01U155	897.9	03-Nov-94	45 F	883.1
01U155	897.9	02-Dec-94	45 F	883.2
01U155	897.9	07-Jan-95	46 F	883.3
01U155	897.9	17-Feb-95	46 F	882.9
01U155	897.9	07-Mar-95	46 F	882.4
01U155	897.9	04-Apr-95	47 F	882.3
01U155	897.9	01-May-95	47 F	883.1
01U155	897.9	01-Jun-95	47 F	883.3
01U155	897.9	14-Jul-95	48 F	883.8
01U155	897.9	07-Aug-95	48 F	884.0
01U155	897.9	08-Sep-95	48 F	884.2
01U156	897.8	26-May-94	43 F	886.9
01U156	897.8	09-Jun-94	43 F	886.4
01U156	897.8	16-Jun-94	43 F	886.1
01U156	897.8	21-Jun-94	43 F	887.0
01U156	897.8	28-Jun-94	43 F	885.8
01U156	897.8	05-Jul-94	44 F	885.5
01U156	897.8	12-Jul-94	44 F	885.3
01U156	897.8	20-Jul-94	44 F	885.2
01U156	897.8	26-Jul-94	44 F	885.1
01U156	897.8	03-Aug-94	44 F	884.9
01U156	897.8	10-Aug-94	44 F	884.8
01U156	897.8	17-Aug-94	44 F	884.7
01U156	897.8	26-Aug-94	44 F	884.6
01U156	897.8	01-Sep-94	44 F	884.4
01U156	897.8	06-Sep-94	44 F	884.4
01U156	897.8	22-Sep-94	44 F	884.2
01U156	897.8	27-Sep-94	44 F	884.2
01U156	897.8	06-Oct-94	45 F	884.1
01U156	897.8	03-Nov-94	45 F	883.3
01U156	897.8	02-Dec-94	45 F	883.1
01U156	897.8	07-Jan-95	46 F	884.0
01U156	897.8	17-Feb-95	46 F	882.8
01U156	897.8	07-Mar-95	46 F	882.5
01U156	897.8	04-Apr-95	47 F	882.3
01U156	897.8	01-May-95	47 F	883.1
01U156	897.8	01-Jun-95	47 F	883.3
01U156	897.8	14-Jul-95	48 F	883.9
01U156	897.8	07-Aug-95	48 F	883.9
01U156	897.8	08-Sep-95	48 F	884.0
01U157	901.9	10-Mar-94	42 F	889.3
01U157	901.9	09-Jun-94	43 F	889.3
01U157	901.9	16-Jun-94	43 F	888.2
01U157	901.9	21-Jun-94	43 F	887.9
01U157	901.9	28-Jun-94	43 F	887.6
01U157	901.9	05-Jul-94	44 F	887.2
01U157	901.9	12-Jul-94	44 F	887.2
01U157	901.9	20-Jul-94	44 F	887.0
01U157	901.9	26-Jul-94	44 F	886.9
01U157	901.9	03-Aug-94	44 F	886.6
01U157	901.9	10-Aug-94	44 F	886.3
01U157	901.9	17-Aug-94	44 F	886.4
01U157	901.9	26-Aug-94	44 F	886.4
01U157	901.9	01-Sep-94	44 F	886.3
01U157	901.9	06-Sep-94	44 F	886.2
01U157	901.9	09-Sep-94	44 F	886.1
01U157	901.9	22-Sep-94	44 F	886.1
01U157	901.9	27-Sep-94	44 F	886.1
01U157	901.9	06-Oct-94	45 F	886.2
01U157	901.9	03-Nov-94	45 F	884.7
01U157	901.9	02-Dec-94	45 F	884.9
01U157	901.9	07-Jan-95	46 F	885.5
01U157	901.9	17-Feb-95	46 F	884.5
01U157	901.9	07-Mar-95	46 F	883.8
01U157	901.9	01-May-95	47 F	884.9
01U157	901.9	01-Jun-95	47 F	885.1
01U157	901.9	14-Jul-95	48 F	886.1
01U157	901.9	05-Sep-95	48 F	887.1
01U158	901.1	10-Mar-94	42 F	888.8
01U158	901.1	09-Jun-94	43 F	887.7
01U158	901.1	16-Jun-94	43 F	888.1
01U158	901.1	21-Jun-94	43 F	887.8
01U158	901.1	28-Jun-94	43 F	887.5
01U158	901.1	05-Jul-94	44 F	887.0
01U158	901.1	12-Jul-94	44 F	886.8
01U158	901.1	20-Jul-94	44 F	886.7
01U158	901.1	26-Jul-94	44 F	886.6
01U158	901.1	03-Aug-94	44 F	886.3
01U158	901.1	10-Aug-94	44 F	886.2
01U158	901.1	17-Aug-94	44 F	886.1
01U158	901.1	26-Aug-94	44 F	886.1
01U158	901.1	01-Sep-94	44 F	886.1
01U158	901.1	06-Sep-94	44 F	886.0
01U158	901.1	09-Sep-94	44 F	886.0
01U158	901.1	22-Sep-94	44 F	885.9
01U158	901.1	27-Sep-94	44 F	885.9

TABLE II - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U158	901.1	06-Oct-94	45 F	886.0
01U158	901.1	03-Nov-94	45 F	884.7
01U158	901.1	02-Dec-94	45 F	884.7
01U158	901.1	07-Jan-95	46 F	885.1
01U158	901.1	17-Feb-95	46 F	884.4
01U158	901.1	07-Mar-95	46 F	883.5
01U158	901.1	01-May-95	47 F	884.4
01U158	901.1	01-Jun-95	47 F	884.8
01U158	901.1	14-Jul-95	48 F	885.7
01U158	901.1	05-Sep-95	48 F	886.7
01U350	903.9	20-Oct-92	37 F	888.5
01U350	903.9	01-Dec-92	37 F	887.7
01U350	903.9	01-Feb-93	38 F	886.1
01U350	903.9	01-Mar-93	38 F	885.3
01U350	903.9	20-Apr-93	39 F	885.1
01U350	903.9	01-Jun-93	39 F	886.7
01U350	903.9	16-Aug-93	40 F	889.2
01U350	903.9	29-Oct-93	40 F	893.1
01U350	903.9	29-Oct-93	41 F	893.2
01U350	903.9	16-Dec-93	41 F	887.1
01U350	903.9	17-Feb-94	42 F	885.3
01U350	903.9	10-Mar-94	42 F	885.6
01U350	903.9	27-Apr-94	43 F	885.6
01U350	903.9	08-Jun-94	43 F	885.0
01U350	903.9	26-Jul-94	44 F	885.6
01U350	903.9	07-Sep-94	44 F	890.6
01U351	904.0	11-Mar-94	42 F	890.0
01U351	904.0	26-May-94	43 F	891.5
01U351	904.0	09-Jun-94	43 F	887.1
01U351	904.0	09-Jun-94	43 F	887.4
01U351	904.0	16-Jun-94	43 F	886.7
01U351	904.0	21-Jun-94	43 F	886.4
01U351	904.0	28-Jun-94	43 F	886.1
01U351	904.0	05-Jul-94	44 F	885.7
01U351	904.0	12-Jul-94	44 F	885.7
01U351	904.0	20-Jul-94	44 F	885.6
01U351	904.0	26-Jul-94	44 F	885.4
01U351	904.0	03-Aug-94	44 F	884.7
01U351	904.0	10-Aug-94	44 F	884.7
01U351	904.0	17-Aug-94	44 F	884.5
01U351	904.0	26-Aug-94	44 F	884.6
01U351	904.0	01-Sep-94	44 F	884.5
01U351	904.0	06-Sep-94	44 F	884.3
01U351	904.0	07-Sep-94	44 F	884.3
01U351	904.0	22-Sep-94	44 F	884.3
01U351	904.0	27-Sep-94	44 F	884.3
01U351	904.0	06-Oct-94	45 F	884.5
01U351	904.0	03-Nov-94	45 F	882.5
01U351	904.0	02-Dec-94	45 F	884.1
01U351	904.0	07-Jan-95	46 F	888.2
01U351	904.0	17-Feb-95	46 F	882.0
01U351	904.0	14-Mar-95	46 F	881.6
01U351	904.0	04-Apr-95	47 F	881.8
01U351	904.0	01-May-95	47 F	883.2
01U351	904.0	01-Jun-95	47 F	883.2
01U351	904.0	14-Jul-95	48 F	881.5
01U351	904.0	07-Aug-95	48 F	884.8
01U351	904.0	08-Sep-95	48 F	885.9
01U352	901.0	11-Mar-94	42 F	889.6
01U352	901.0	26-May-94	43 F	891.4
01U352	901.0	09-Jun-94	43 F	879.4
01U352	901.0	09-Jun-94	43 F	880.2
01U352	901.0	16-Jun-94	43 F	878.4
01U352	901.0	21-Jun-94	43 F	877.5
01U352	901.0	28-Jun-94	43 F	877.2
01U352	901.0	05-Jul-94	44 F	876.5
01U352	901.0	12-Jul-94	44 F	880.5
01U352	901.0	20-Jul-94	44 F	883.0
01U352	901.0	26-Jul-94	44 F	883.9
01U352	901.0	03-Aug-94	44 F	874.8
01U352	901.0	10-Aug-94	44 F	875.5
01U352	901.0	17-Aug-94	44 F	876.9
01U352	901.0	26-Aug-94	44 F	879.5
01U352	901.0	01-Sep-94	44 F	880.7
01U352	901.0	06-Sep-94	44 F	881.4
01U352	901.0	07-Sep-94	44 F	881.4
01U352	901.0	22-Sep-94	44 F	881.5
01U352	901.0	27-Sep-94	44 F	883.0
01U352	901.0	06-Oct-94	45 F	885.1
01U352	901.0	03-Nov-94	45 F	874.9
01U352	901.0	02-Dec-94	45 F	881.3
01U352	901.0	07-Jan-95	46 F	885.7
01U352	901.0	17-Feb-95	46 F	885.0
01U352	901.0	14-Mar-95	46 F	884.5
01U352	901.0	04-Apr-95	47 F	884.4
01U352	901.0	01-May-95	47 F	885.5
01U352	901.0	01-Jun-95	47 F	883.4
01U352	901.0	14-Jul-95	48 F	881.7
01U352	901.0	07-Aug-95	48 F	886.9
01U352	901.0	08-Sep-95	48 F	887.1
01U353	902.0	11-Mar-94	42 F	889.5
01U353	902.0	26-May-94	43 F	891.2
01U353	902.0	09-Jun-94	43 F	882.0
01U353	902.0	09-Jun-94	43 F	882.6
01U353	902.0	16-Jun-94	43 F	888.3
01U353	902.0	21-Jun-94	43 F	883.3
01U353	902.0	28-Jun-94	43 F	880.4
01U353	902.0	05-Jul-94	44 F	882.1
01U353	902.0	12-Jul-94	44 F	882.4
01U353	902.0	20-Jul-94	44 F	882.9
01U353	902.0	26-Jul-94	44 F	883.4
01U353	902.0	03-Aug-94	44 F	883.6
01U353	902.0	10-Aug-94	44 F	884.2
01U353	902.0	17-Aug-94	44 F	885.2
01U353	902.0	26-Aug-94	44 F	886.0
01U353	902.0	01-Sep-94	44 F	884.5
01U353	902.0	06-Sep-94	44 F	881.5
01U353	902.0	07-Sep-94	44 F	881.5
01U353	902.0	22-Sep-94	44 F	882.2
01U353	902.0	27-Sep-94	44 F	882.5
01U353	902.0	06-Oct-94	45 F	883.3
01U353	902.0	03-Nov-94	45 F	879.7
01U353	902.0	02-Dec-94	45 F	881.9
01U353	902.0	07-Jan-95	46 F	884.0
01U353	902.0	17-Feb-95	46 F	880.0
01U353	902.0	14-Mar-95	46 F	879.2
01U353	902.0	04-Apr-95	47 F	880.1
01U353	902.0	01-May-95	47 F	884.0
01U353	902.0	01-Jun-95	47 F	884.5
01U353	902.0	14-Jul-95	48 F	883.9
01U353	902.0	07-Aug-95	48 F	885.3
01U353	902.0	08-Sep-95	48 F	886.9
01U354	903.8	10-Mar-94	42 F	889.3
01U354	903.8	26-May-94	43 F	891.0
01U354	903.8	09-Jun-94	43 F	886.4
01U354	903.8	09-Jun-94	43 F	886.6
01U354	903.8	09-Jun-94	43 F	886.9
01U354	903.8	21-Jun-94	43 F	886.0
01U354	903.8	28-Jun-94	43 F	885.8
01U354	903.8	05-Jul-94	44 F	885.5
01U354	903.8	12-Jul-94	44 F	885.6
01U354	903.8	20-Jul-94	44 F	885.6
01U354	903.8	26-Jul-94	44 F	885.5
01U354	903.8	03-Aug-94	44 F	885.1
01U354	903.8	10-Aug-94	44 F	884.8
01U354	903.8	17-Aug-94	44 F	885.0
01U354	903.8	26-Aug-94	44 F	885.2
01U354	903.8	01-Sep-94	44 F	884.7
01U354	903.8	06-Sep-94	44 F	884.8
01U354	903.8	07-Sep-94	44 F	884.9
01U354	903.8	22-Sep-94	44 F	885.0
01U354	903.8	27-Sep-94	44 F	885.2
01U354	903.8	06-Oct-94	45 F	885.4

TABLE II - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U354	903.8	03-Nov-94	45 F	881.9
01U354	903.8	02-Dec-94	45 F	882.6
01U354	903.8	07-Jan-95	46 F	884.3
01U354	903.8	17-Feb-95	46 F	881.8
01U354	903.8	14-Mar-95	46 F	881.8
01U354	903.8	04-Apr-95	47 F	882.3
01U354	903.8	01-May-95	47 F	884.0
01U354	903.8	01-Jun-95	47 F	884.6
01U354	903.8	14-Jul-95	48 F	882.2
01U354	903.8	07-Aug-95	48 F	886.2
01U354	903.8	08-Sep-95	48 F	887.0
01U355	899.9	10-Mar-94	42 F	888.6
01U355	899.9	26-May-94	43 F	890.0
01U355	899.9	09-Jun-94	43 F	875.7
01U355	899.9	09-Jun-94	43 F	876.4
01U355	899.9	16-Jun-94	43 F	875.8
01U355	899.9	21-Jun-94	43 F	875.7
01U355	899.9	28-Jun-94	43 F	873.8
01U355	899.9	05-Jul-94	44 F	871.2
01U355	899.9	12-Jul-94	44 F	872.0
01U355	899.9	20-Jul-94	44 F	872.4
01U355	899.9	26-Jul-94	44 F	872.4
01U355	899.9	03-Aug-94	44 F	873.5
01U355	899.9	10-Aug-94	44 F	867.0
01U355	899.9	17-Aug-94	44 F	870.1
01U355	899.9	26-Aug-94	44 F	872.4
01U355	899.9	01-Sep-94	44 F	880.1
01U355	899.9	06-Sep-94	44 F	881.2
01U355	899.9	08-Sep-94	44 F	880.3
01U355	899.9	22-Sep-94	44 F	881.4
01U355	899.9	27-Sep-94	44 F	882.0
01U355	899.9	06-Oct-94	45 F	883.2
01U355	899.9	03-Nov-94	45 F	876.5
01U355	899.9	02-Dec-94	45 F	878.2
01U355	899.9	07-Jan-95	46 F	882.2
01U355	899.9	17-Feb-95	46 F	871.1
01U355	899.9	14-Mar-95	46 F	872.7
01U355	899.9	04-Apr-95	47 F	871.2
01U355	899.9	01-Jun-95	47 F	873.3
01U355	899.9	14-Jul-95	48 F	879.4
01U355	899.9	07-Aug-95	48 F	884.3
01U355	899.9	08-Sep-95	48 F	886.3
01U356	899.5	10-Mar-94	42 F	887.8
01U356	899.5	26-May-94	43 F	889.2
01U356	899.5	09-Jun-94	43 F	882.5
01U356	899.5	09-Jun-94	43 F	882.8
01U356	899.5	16-Jun-94	43 F	881.9
01U356	899.5	21-Jun-94	43 F	878.3
01U356	899.5	28-Jun-94	43 F	877.3
01U356	899.5	05-Jul-94	44 F	875.7
01U356	899.5	12-Jul-94	44 F	875.9
01U356	899.5	20-Jul-94	44 F	876.7
01U356	899.5	26-Jul-94	44 F	873.4
01U356	899.5	03-Aug-94	44 F	878.4
01U356	899.5	10-Aug-94	44 F	879.1
01U356	899.5	17-Aug-94	44 F	879.9
01U356	899.5	26-Aug-94	44 F	880.5
01U356	899.5	01-Sep-94	44 F	879.9
01U356	899.5	06-Sep-94	44 F	880.7
01U356	899.5	08-Sep-94	44 F	880.8
01U356	899.5	22-Sep-94	44 F	883.0
01U356	899.5	27-Sep-94	44 F	883.8
01U356	899.5	06-Oct-94	45 F	884.9
01U356	899.5	03-Nov-94	45 F	879.7
01U356	899.5	02-Dec-94	45 F	883.4
01U356	899.5	07-Jan-95	46 F	884.5
01U356	899.5	17-Feb-95	46 F	857.8
01U356	899.5	14-Mar-95	46 F	876.3
01U356	899.5	04-Apr-95	47 F	875.9
01U356	899.5	01-May-95	47 F	880.8
01U356	899.5	01-Jun-95	47 F	883.3
01U356	899.5	14-Jul-95	48 F	877.2
01U356	899.5	07-Aug-95	48 F	880.5
01U356	899.5	08-Sep-95	48 F	884.9
01U357	899.1	10-Mar-94	42 F	886.8
01U357	899.1	26-May-94	43 F	888.0
01U357	899.1	09-Jun-94	43 F	876.8
01U357	899.1	09-Jun-94	43 F	877.2
01U357	899.1	16-Jun-94	43 F	878.4
01U357	899.1	21-Jun-94	43 F	875.7
01U357	899.1	28-Jun-94	43 F	875.5
01U357	899.1	05-Jul-94	44 F	874.9
01U357	899.1	12-Jul-94	44 F	876.6
01U357	899.1	20-Jul-94	44 F	877.4
01U357	899.1	26-Jul-94	44 F	878.1
01U357	899.1	03-Aug-94	44 F	878.9
01U357	899.1	10-Aug-94	44 F	880.1
01U357	899.1	17-Aug-94	44 F	881.3
01U357	899.1	26-Aug-94	44 F	882.4
01U357	899.1	01-Sep-94	44 F	878.9
01U357	899.1	06-Sep-94	44 F	879.7
01U357	899.1	08-Sep-94	44 F	879.8
01U357	899.1	22-Sep-94	44 F	881.3
01U357	899.1	27-Sep-94	44 F	882.2
01U357	899.1	06-Oct-94	45 F	885.5
01U357	899.1	03-Nov-94	45 F	871.7
01U357	899.1	02-Dec-94	45 F	878.9
01U357	899.1	07-Jan-95	46 F	883.3
01U357	899.1	17-Feb-95	46 F	869.5
01U357	899.1	07-Mar-95	46 F	869.4
01U357	899.1	04-Apr-95	47 F	876.5
01U357	899.1	01-May-95	47 F	876.2
01U357	899.1	01-Jun-95	47 F	876.4
01U357	899.1	14-Jul-95	48 F	875.1
01U357	899.1	07-Aug-95	48 F	877.6
01U357	899.1	08-Sep-95	48 F	881.0
01U358	898.3	10-Mar-94	42 F	886.0
01U358	898.3	26-May-94	43 F	887.1
01U358	898.3	09-Jun-94	43 F	880.0
01U358	898.3	09-Jun-94	43 F	880.2
01U358	898.3	16-Jun-94	43 F	880.4
01U358	898.3	21-Jun-94	43 F	880.4
01U358	898.3	28-Jun-94	43 F	880.2
01U358	898.3	05-Jul-94	44 F	879.2
01U358	898.3	12-Jul-94	44 F	879.3
01U358	898.3	20-Jul-94	44 F	880.1
01U358	898.3	26-Jul-94	44 F	880.4
01U358	898.3	03-Aug-94	44 F	880.5
01U358	898.3	10-Aug-94	44 F	880.9
01U358	898.3	17-Aug-94	44 F	881.1
01U358	898.3	26-Aug-94	44 F	881.1
01U358	898.3	01-Sep-94	44 F	880.7
01U358	898.3	06-Sep-94	44 F	881.2
01U358	898.3	08-Sep-94	44 F	881.3
01U358	898.3	22-Sep-94	44 F	881.4
01U358	898.3	27-Sep-94	44 F	881.7
01U358	898.3	06-Oct-94	45 F	884.2
01U358	898.3	03-Nov-94	45 F	874.0
01U358	898.3	02-Dec-94	45 F	877.1
01U358	898.3	07-Jan-95	46 F	878.0
01U358	898.3	17-Feb-95	46 F	879.4
01U358	898.3	07-Mar-95	46 F	879.6
01U358	898.3	04-Apr-95	47 F	880.0
01U358	898.3	01-May-95	47 F	882.2
01U358	898.3	01-Jun-95	47 F	881.0
01U358	898.3	14-Jul-95	48 F	877.3
01U358	898.3	07-Aug-95	48 F	877.7
01U358	898.3	08-Sep-95	48 F	877.7
01U524	909.7	02-Mar-93	38 F	904.9
01U524	909.7	17-Mar-94	42 F	904.5
01U524	909.7	08-Mar-95	46 F	903.2
01U525	942.2	03-Mar-93	38 F	933.6

TABLE II - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U525	942.2	17-Mar-94	42 F	935.3
01U525	942.2	08-Mar-95	46 F	934.2
01U526	938.8	05-Mar-93	38 F	929.0
01U526	938.8	17-Mar-94	42 F	929.6
01U526	938.8	10-Mar-95	46 F	928.9
01U527	912.2	02-Mar-93	38 F	906.0
01U527	912.2	17-Mar-94	42 F	908.4
01U527	912.2	08-Mar-95	46 F	903.9
01U601	889.2	01-Dec-92	37 A	883.9
01U601	889.2	02-Mar-93	38 A	883.3
01U601	889.2	01-Jun-93	39 A	884.3
01U601	889.2	08-Sep-93	40 A	884.4
01U601	889.2	01-Mar-94	42 A	883.5
01U601	889.2	06-Sep-94	44 A	883.5
01U601	889.2	06-Mar-95	46 A	882.9
01U601	889.2	05-Sep-95	48 A	883.8
01U602	889.7	01-Dec-92	37 A	883.3
01U602	889.7	02-Mar-93	38 A	882.7
01U602	889.7	01-Jun-93	39 A	883.2
01U602	889.7	08-Sep-93	40 A	883.9
01U602	889.7	01-Mar-94	42 A	883.2
01U602	889.7	06-Sep-94	44 A	883.1
01U602	889.7	06-Mar-95	46 A	882.5
01U602	889.7	05-Sep-95	48 A	883.2
01U603	884.8	01-Dec-92	37 A	877.1
01U603	884.8	02-Mar-93	38 A	876.4
01U603	884.8	01-Jun-93	39 A	878.2
01U603	884.8	08-Sep-93	40 A	879.2
01U603	884.8	01-Mar-94	42 A	876.1
01U603	884.8	06-Sep-94	44 A	876.6
01U603	884.8	06-Mar-95	46 A	876.1
01U603	884.8	05-Sep-95	48 A	877.5
01U604	885.5	01-Dec-92	37 A	876.4
01U604	885.5	02-Mar-93	38 A	876.1
01U604	885.5	01-Jun-93	39 A	877.0
01U604	885.5	08-Sep-93	40 A	878.7
01U604	885.5	01-Mar-94	42 A	876.7
01U604	885.5	06-Sep-94	44 A	875.9
01U604	885.5	06-Mar-95	46 A	876.6
01U604	885.5	05-Sep-95	48 A	876.9
01U605	884.7	01-Dec-92	37 A	877.3
01U605	884.7	02-Mar-93	38 A	875.6
01U605	884.7	01-Jun-93	39 A	878.4
01U605	884.7	08-Sep-93	40 A	878.4
01U605	884.7	01-Mar-94	42 A	876.3
01U605	884.7	06-Sep-94	44 A	876.7
01U605	884.7	06-Mar-95	46 A	Dry
01U605	884.7	05-Sep-95	48 A	877.8
01U607	888.5	01-Dec-92	37 A	884.9
01U607	888.5	02-Mar-93	38 A	882.8
01U607	888.5	01-Jun-93	39 A	885.9
01U607	888.5	08-Sep-93	40 A	884.8
01U607	888.5	01-Mar-94	42 A	883.7
01U607	888.5	06-Sep-94	44 A	881.9
01U607	888.5	06-Mar-95	46 A	882.3
01U607	888.5	05-Sep-95	48 A	883.6
01U608	889.7	01-Dec-92	37 A	883.5
01U608	889.7	02-Mar-93	38 A	882.6
01U608	889.7	01-Jun-93	39 A	883.5
01U608	889.7	08-Sep-93	40 A	884.2
01U608	889.7	01-Mar-94	42 A	882.8
01U608	889.7	06-Sep-94	44 A	882.8
01U608	889.7	06-Mar-95	46 A	882.2
01U608	889.7	05-Sep-95	48 A	883.4
01U609	889.7	01-Dec-92	37 A	883.4
01U609	889.7	02-Mar-93	38 A	882.7
01U609	889.7	01-Jun-93	39 A	883.4
01U609	889.7	08-Sep-93	40 A	883.9
01U609	889.7	01-Mar-94	42 A	883.1
01U609	889.7	06-Sep-94	44 A	883.1
01U609	889.7	06-Mar-95	46 A	882.4
01U609	889.7	05-Sep-95	48 A	883.3
01U611	889.7	02-Mar-93	38 A	883.1
01U611	889.7	01-Jun-93	39 A	883.9
01U611	889.7	08-Sep-93	40 A	884.2
01U611	889.7	01-Mar-94	42 A	883.3
01U611	889.7	06-Sep-94	44 A	883.2
01U611	889.7	06-Mar-95	46 A	882.8
01U611	889.7	05-Sep-95	48 A	883.5
01U612	885.9	01-Dec-92	37 A	877.2
01U612	885.9	02-Mar-93	38 A	Dry
01U612	885.9	01-Jun-93	39 A	878.2
01U612	885.9	08-Sep-93	40 A	878.7
01U612	885.9	01-Mar-94	42 A	886.9
01U612	885.9	06-Sep-94	44 A	876.9
01U612	885.9	06-Mar-95	46 A	Dry
01U612	885.9	05-Sep-95	48 A	877.6
01U613	888.8	01-Dec-92	37 A	883.6
01U613	888.8	02-Mar-93	38 A	882.8
01U613	888.8	01-Jun-93	39 A	884.7
01U613	888.8	08-Sep-93	40 A	884.1
01U613	888.8	01-Mar-94	42 A	883.4
01U613	888.8	06-Sep-94	44 A	883.0
01U613	888.8	06-Mar-95	46 A	882.0
01U613	888.8	05-Sep-95	48 A	883.4
01U615	885.9	01-Dec-92	37 A	876.2
01U615	885.9	02-Mar-93	38 A	875.7
01U615	885.9	01-Jun-93	39 A	876.3
01U615	885.9	08-Sep-93	40 A	878.7
01U615	885.9	01-Mar-94	42 A	874.9
01U615	885.9	06-Sep-94	44 A	875.4
01U615	885.9	06-Mar-95	46 A	874.8
01U615	885.9	05-Sep-95	48 A	876.7
01U616	888.8	01-Dec-92	37 A	878.6
01U616	888.8	02-Mar-93	38 A	877.3
01U616	888.8	01-Jun-93	39 A	878.8
01U616	888.8	08-Sep-93	40 A	880.8
01U616	888.8	01-Mar-94	42 A	877.4
01U616	888.8	06-Sep-94	44 A	877.9
01U616	888.8	06-Mar-95	46 A	876.9
01U616	888.8	05-Sep-95	48 A	879.1
01U617	885.2	01-Dec-92	37 A	876.7
01U617	885.2	02-Mar-93	38 A	875.9
01U617	885.2	01-Jun-93	39 A	877.1
01U617	885.2	08-Sep-93	40 A	879.0
01U617	885.2	01-Mar-94	42 A	875.4
01U617	885.2	06-Sep-94	44 A	876.0
01U617	885.2	06-Mar-95	46 A	875.2
01U617	885.2	05-Sep-95	48 A	877.3
01U618	888.8	01-Dec-92	37 A	880.7
01U618	888.8	02-Mar-93	38 A	879.2
01U618	888.8	01-Jun-93	39 A	881.0
01U618	888.8	08-Sep-93	40 A	882.8
01U618	888.8	01-Mar-94	42 A	876.3
01U618	888.8	06-Sep-94	44 A	876.9
01U618	888.8	06-Mar-95	46 A	878.8
01U618	888.8	05-Sep-95	48 A	881.2
01U619	889.1	01-Dec-92	37 A	883.1
01U619	889.1	02-Mar-93	38 A	881.6
01U619	889.1	01-Jun-93	39 A	883.4

TABLE II - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U619	889.1	08-Sep-93	40 A	884.0
01U619	889.1	01-Mar-94	42 A	882.2
01U619	889.1	06-Sep-94	44 A	882.5
01U619	889.1	06-Mar-95	46 A	881.2
01U619	889.1	05-Sep-95	48 A	883.1
01U620	887.1	01-Dec-92	37 A	876.3
01U620	887.1	02-Mar-93	38 A	875.1
01U620	887.1	01-Jun-93	39 A	876.5
01U620	887.1	08-Sep-93	40 A	878.6
01U620	887.1	01-Mar-94	42 A	877.7
01U620	887.1	06-Sep-94	44 A	878.3
01U620	887.1	06-Mar-95	46 A	874.3
01U620	887.1	05-Sep-95	48 A	876.9
01U621	884.5	01-Dec-92	37 A	877.6
01U621	884.5	02-Mar-93	38 A	876.5
01U621	884.5	01-Jun-93	39 A	878.1
01U621	884.5	08-Sep-93	40 A	879.8
01U621	884.5	01-Mar-94	42 A	876.2
01U621	884.5	06-Sep-94	44 A	876.9
01U621	884.5	06-Mar-95	46 A	875.9
01U621	884.5	05-Sep-95	48 A	878.3
01U622	889.7	01-Dec-92	37 A	Dry
01U622	889.7	02-Mar-93	38 A	Dry
01U622	889.7	01-Jun-93	39 A	Dry
01U622	889.7	01-Mar-94	42 A	Obstructed
01U622	889.7	06-Sep-94	44 A	Obstructed
01U623	889.7	01-Dec-92	37 A	877.0
01U623	889.7	02-Mar-93	38 A	876.3
01U623	889.7	01-Jun-93	39 A	877.0
01U623	889.7	08-Sep-93	40 A	879.1
01U623	889.7	01-Mar-94	42 A	Obstructed
01U623	889.7	06-Sep-94	44 A	Obstructed
01U624A	886.6	01-Dec-92	37 A	877.6
01U624A	886.6	02-Mar-93	38 A	Dry
01U624A	886.6	01-Jun-93	39 A	877.8
01U624A	886.6	08-Sep-93	40 A	880.0
01U624A	886.6	01-Mar-94	42 A	Dry
01U624A	886.6	06-Sep-94	44 A	Dry
01U624A	886.6	06-Mar-95	46 A	Dry
01U624A	886.6	05-Sep-95	48 A	878.2
01U624B	886.6	01-Dec-92	37 A	877.6
01U624B	886.6	02-Mar-93	38 A	876.5
01U624B	886.6	01-Jun-93	39 A	877.8
01U624B	886.6	08-Sep-93	40 A	880.0
01U624B	886.6	01-Mar-94	42 A	876.2
01U624B	886.6	06-Sep-94	44 A	876.8
01U624B	886.6	06-Mar-95	46 A	875.9
01U624B	886.6	05-Sep-95	48 A	878.2
01U624C	886.6	01-Dec-92	37 A	877.6
01U624C	886.6	02-Mar-93	38 A	876.6
01U624C	886.6	01-Jun-93	39 A	877.8
01U624C	886.6	08-Sep-93	40 A	880.0
01U624C	886.6	01-Mar-94	42 A	876.2
01U624C	886.6	06-Sep-94	44 A	876.8
01U624C	886.6	06-Mar-95	46 A	876.0
01U624C	886.6	05-Sep-95	48 A	878.2
01U624D	886.6	01-Dec-92	37 A	877.6
01U624D	886.6	02-Mar-93	38 A	876.6
01U624D	886.6	01-Jun-93	39 A	877.8
01U624D	886.6	08-Sep-93	40 A	880.0
01U624D	886.6	01-Mar-94	42 A	876.2
01U624D	886.6	06-Sep-94	44 A	876.8
01U624D	886.6	06-Mar-95	46 A	875.9
01U624D	886.6	05-Sep-95	48 A	878.2
01U625A	885.5	01-Dec-92	37 A	876.9
01U625A	885.5	02-Mar-93	38 A	876.2
01U625A	885.5	01-Jun-93	39 A	877.0
01U625A	885.5	08-Sep-93	40 A	879.3
01U625A	885.5	01-Mar-94	42 A	875.4
01U625A	885.5	06-Sep-94	44 A	876.0
01U625A	885.5	06-Mar-95	46 A	875.2
01U625A	885.5	05-Sep-95	48 A	877.4
01U625B	885.5	01-Dec-92	37 A	876.8
01U625B	885.5	02-Mar-93	38 A	876.2
01U625B	885.5	01-Jun-93	39 A	877.0
01U625B	885.5	08-Sep-93	40 A	879.3
01U625B	885.5	01-Mar-94	42 A	875.4
01U625B	885.5	06-Sep-94	44 A	876.0
01U625B	885.5	06-Mar-95	46 A	875.2
01U625B	885.5	05-Sep-95	48 A	877.4
01U625C	885.5	01-Dec-92	37 A	876.8
01U625C	885.5	02-Mar-93	38 A	876.2
01U625C	885.5	01-Jun-93	39 A	877.0
01U625C	885.5	08-Sep-93	40 A	879.3
01U625C	885.5	01-Mar-94	42 A	875.4
01U625C	885.5	06-Sep-94	44 A	876.0
01U625C	885.5	06-Mar-95	46 A	875.2
01U625C	885.5	05-Sep-95	48 A	877.4
01U625D	885.5	01-Dec-92	37 A	876.9
01U625D	885.5	02-Mar-93	38 A	876.2
01U625D	885.5	01-Jun-93	39 A	877.0
01U625D	885.5	08-Sep-93	40 A	879.3
01U625D	885.5	01-Mar-94	42 A	875.4
01U625D	885.5	06-Sep-94	44 A	876.0
01U625D	885.5	06-Mar-95	46 A	875.2
01U625D	885.5	05-Sep-95	48 A	877.4
01U626A	885.3	01-Dec-92	37 A	876.6
01U626A	885.3	02-Mar-93	38 A	876.6
01U626A	885.3	01-Jun-93	39 A	876.9
01U626A	885.3	08-Sep-93	40 A	878.9
01U626A	885.3	01-Mar-94	42 A	875.4
01U626A	885.3	06-Sep-94	44 A	876.0
01U626A	885.3	06-Mar-95	46 A	875.9
01U626A	885.3	05-Sep-95	48 A	877.3
01U626B	885.3	01-Dec-92	37 A	876.5
01U626B	885.3	02-Mar-93	38 A	876.0
01U626B	885.3	01-Jun-93	39 A	876.6
01U626B	885.3	08-Sep-93	40 A	878.9
01U626B	885.3	01-Mar-94	42 A	875.1
01U626B	885.3	06-Sep-94	44 A	875.6
01U626B	885.3	06-Mar-95	46 A	875.0
01U626B	885.3	05-Sep-95	48 A	877.1
01U626C	885.3	01-Dec-92	37 A	876.6
01U626C	885.3	02-Mar-93	38 A	876.0
01U626C	885.3	01-Jun-93	39 A	876.7
01U626C	885.3	08-Sep-93	40 A	879.0
01U626C	885.3	01-Mar-94	42 A	875.1
01U626C	885.3	06-Sep-94	44 A	875.7
01U626C	885.3	06-Mar-95	46 A	875.0
01U626C	885.3	05-Sep-95	48 A	877.1
01U626D	885.3	01-Dec-92	37 A	876.6
01U626D	885.3	02-Mar-93	38 A	876.0
01U626D	885.3	01-Jun-93	39 A	876.7
01U626D	885.3	08-Sep-93	40 A	879.0
01U626D	885.3	01-Mar-94	42 A	875.2
01U626D	885.3	06-Sep-94	44 A	875.7
01U626D	885.3	06-Mar-95	46 A	875.1
01U626D	885.3	05-Sep-95	48 A	877.2
01U627A	884.9	01-Dec-92	37 A	877.3
01U627A	884.9	02-Mar-93	38 A	877.3
01U627A	884.9	01-Jun-93	39 A	877.9

TABLE II - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U627A	884.9	08-Sep-93	40 A	879.3
01U627A	884.9	01-Mar-94	42 A	876.4
01U627A	884.9	06-Sep-94	44 A	877.1
01U627A	884.9	06-Mar-95	46 A	877.2
01U627A	884.9	05-Sep-95	48 A	878.1
01U627B	884.9	01-Dec-92	37 A	876.8
01U627B	884.9	02-Mar-93	38 A	876.1
01U627B	884.9	01-Jun-93	39 A	877.0
01U627B	884.9	08-Sep-93	40 A	879.1
01U627B	884.9	01-Mar-94	42 A	875.4
01U627B	884.9	06-Sep-94	44 A	875.9
01U627B	884.9	06-Mar-95	46 A	875.4
01U627B	884.9	05-Sep-95	48 A	877.3
01U627C	884.9	01-Dec-92	37 A	876.7
01U627C	884.9	02-Mar-93	38 A	876.1
01U627C	884.9	01-Jun-93	39 A	876.9
01U627C	884.9	08-Sep-93	40 A	879.1
01U627C	884.9	01-Mar-94	42 A	875.3
01U627C	884.9	06-Sep-94	44 A	875.8
01U627C	884.9	06-Mar-95	46 A	875.2
01U627C	884.9	05-Sep-95	48 A	877.3
01U627D	884.9	01-Dec-92	37 A	876.7
01U627D	884.9	02-Mar-93	38 A	876.1
01U627D	884.9	01-Jun-93	39 A	876.9
01U627D	884.9	08-Sep-93	40 A	879.1
01U627D	884.9	01-Mar-94	42 A	875.3
01U627D	884.9	06-Sep-94	44 A	875.9
01U627D	884.9	06-Mar-95	46 A	875.2
01U627D	884.9	05-Sep-95	48 A	877.3
01U628A	877.8	01-Dec-92	37 A	877.4
01U628A	877.8	02-Mar-93	38 A	876.2
01U628A	877.8	01-Jun-93	39 A	877.9
01U628A	877.8	08-Sep-93	40 A	879.4
01U628A	877.8	01-Mar-94	42 A	875.9
01U628A	877.8	06-Sep-94	44 A	876.8
01U628A	877.8	06-Mar-95	46 A	865.7
01U628A	877.8	05-Sep-95	48 A	868.0
01U628B	877.8	01-Dec-92	37 A	877.2
01U628B	877.8	02-Mar-93	38 A	876.1
01U628B	877.8	01-Jun-93	39 A	877.6
01U628B	877.8	08-Sep-93	40 A	879.3
01U628B	877.8	01-Mar-94	42 A	875.7
01U628B	877.8	06-Sep-94	44 A	876.5
01U628B	877.8	06-Mar-95	46 A	865.6
01U628B	877.8	05-Sep-95	48 A	867.8
01U628C	877.8	01-Dec-92	37 A	876.9
01U628C	877.8	02-Mar-93	38 A	876.1
01U628C	877.8	01-Jun-93	39 A	877.3
01U628C	877.8	08-Sep-93	40 A	879.2
01U628C	877.8	01-Mar-94	42 A	875.6
01U628C	877.8	06-Sep-94	44 A	876.2
01U628C	877.8	06-Mar-95	46 A	865.4
01U628C	877.8	05-Sep-95	48 A	867.5
01U628D	877.8	01-Dec-92	37 A	877.0
01U628D	877.8	02-Mar-93	38 A	876.1
01U628D	877.8	01-Jun-93	39 A	877.3
01U628D	877.8	08-Sep-93	40 A	879.2
01U628D	877.8	01-Mar-94	42 A	875.6
01U628D	877.8	06-Sep-94	44 A	876.2
01U628D	877.8	06-Mar-95	46 A	865.4
01U628D	877.8	05-Sep-95	48 A	867.5
01U636	953.8	08-Oct-92	36 A	938.6
01U636	953.8	02-Mar-93	38 A	Dry
01U636	953.8	10-Sep-93	40 A	943.1
01U636	953.8	11-Mar-94	42 A	Dry
01U636	953.8	02-Sep-94	44 A	939.9
01U636	953.8	09-Mar-95	46 A	Dry
01U636	953.8	07-Sep-95	48 A	941.7
01U639	955.9	08-Oct-92	36 A	944.6
01U639	955.9	02-Mar-93	38 A	Dry
01U639	955.9	10-Sep-93	40 A	Dry
01U639	955.9	11-Mar-94	42 A	952.6
01U639	955.9	02-Sep-94	44 A	Dry
01U639	955.9	09-Mar-95	46 A	Dry
01U639	955.9	07-Sep-95	48 A	Dry
01U640	958.0	08-Oct-92	36 A	945.3
01U640	958.0	02-Mar-93	38 A	Dry
01U640	958.0	10-Sep-93	40 A	948.8
01U640	958.0	11-Mar-94	42 A	Dry
01U640	958.0	02-Sep-94	44 A	948.1
01U640	958.0	09-Mar-95	46 A	Dry
01U640	958.0	07-Sep-95	48 A	948.1
01U901	901.5	20-Oct-92	37 F	884.4
01U901	901.5	01-Dec-92	37 F	884.3
01U901	901.5	01-Feb-93	38 F	883.8
01U901	901.5	02-Mar-93	38 F	883.6
01U901	901.5	20-Apr-93	39 F	883.5
01U901	901.5	15-Jun-93	39 F	884.9
01U901	901.5	16-Aug-93	40 F	889.5
01U901	901.5	08-Sep-93	40 F	887.8
01U901	901.5	29-Oct-93	41 F	886.3
01U901	901.5	16-Dec-93	41 F	885.8
01U901	901.5	17-Feb-94	42 F	884.8
01U901	901.5	11-Mar-94	42 F	884.5
01U901	901.5	27-Apr-94	43 F	884.6
01U901	901.5	10-Jun-94	43 F	885.7
01U901	901.5	16-Jun-94	43 F	885.6
01U901	901.5	21-Jun-94	43 F	885.4
01U901	901.5	28-Jun-94	43 F	885.2
01U901	901.5	05-Jul-94	44 F	884.9
01U901	901.5	12-Jul-94	44 F	884.8
01U901	901.5	20-Jul-94	44 F	884.6
01U901	901.5	26-Jul-94	44 F	884.5
01U901	901.5	03-Aug-94	44 F	884.3
01U901	901.5	10-Aug-94	44 F	884.2
01U901	901.5	17-Aug-94	44 F	884.1
01U901	901.5	26-Aug-94	44 F	883.9
01U901	901.5	01-Sep-94	44 F	883.8
01U901	901.5	06-Sep-94	44 F	883.7
01U901	901.5	12-Sep-94	44 F	883.6
01U901	901.5	22-Sep-94	44 F	883.5
01U901	901.5	27-Sep-94	44 F	883.5
01U901	901.5	06-Oct-94	45 F	883.4
01U901	901.5	03-Nov-94	45 F	883.0
01U901	901.5	02-Dec-94	45 F	882.8
01U901	901.5	07-Jan-95	46 F	882.5
01U901	901.5	17-Feb-95	46 F	882.3
01U901	901.5	07-Mar-95	46 F	882.1
01U901	901.5	04-Apr-95	47 F	881.9
01U901	901.5	01-May-95	47 F	882.2
01U901	901.5	01-Jun-95	47 F	882.7
01U901	901.5	12-Jul-95	48 F	883.5
01U901	901.5	08-Aug-95	48 F	883.4
01U901	901.5	07-Sep-95	48 F	883.4
01U902	901.3	20-Oct-92	37 F	887.9
01U902	901.3	01-Dec-92	37 F	887.8
01U902	901.3	01-Feb-93	38 F	887.2
01U902	901.3	02-Mar-93	38 F	886.7
01U902	901.3	20-Apr-93	39 F	886.5
01U902	901.3	01-Jun-93	39 F	887.7
01U902	901.3	16-Aug-93	40 F	891.8
01U902	901.3	29-Oct-93	41 F	889.7
01U902	901.3	29-Oct-93	40 F	889.7
01U902	901.3	16-Dec-93	41 F	889.0
01U902	901.3	17-Feb-94	42 F	888.0
01U902	901.3	23-Mar-94	42 F	887.8

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TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
01U902	901.3	27-Apr-94	43 F	887.3
01U902	901.3	10-Jun-94	43 F	888.1
01U902	901.3	16-Jun-94	43 F	887.7
01U902	901.3	21-Jun-94	43 F	887.4
01U902	901.3	28-Jun-94	43 F	887.2
01U902	901.3	05-Jul-94	44 F	886.8
01U902	901.3	12-Jul-94	44 F	886.6
01U902	901.3	20-Jul-94	44 F	886.4
01U902	901.3	26-Jul-94	44 F	886.3
01U902	901.3	03-Aug-94	44 F	886.1
01U902	901.3	10-Aug-94	44 F	886.0
01U902	901.3	17-Aug-94	44 F	885.9
01U902	901.3	26-Aug-94	44 F	885.8
01U902	901.3	01-Sep-94	44 F	885.8
01U902	901.3	06-Sep-94	44 F	885.7
01U902	901.3	12-Sep-94	44 F	885.8
01U902	901.3	22-Sep-94	44 F	885.6
01U902	901.3	27-Sep-94	44 F	885.6
01U902	901.3	06-Oct-94	45 F	885.6
01U902	901.3	03-Nov-94	45 F	884.8
01U902	901.3	02-Dec-94	45 F	884.6
01U902	901.3	07-Jan-95	46 F	884.7
01U902	901.3	17-Feb-95	46 F	884.5
01U902	901.3	07-Mar-95	46 F	884.1
01U902	901.3	04-Apr-95	47 F	883.2
01U902	901.3	01-May-95	47 F	884.1
01U902	901.3	01-Jun-95	47 F	884.4
01U902	901.3	12-Jul-95	48 F	885.2
01U902	901.3	08-Aug-95	48 F	885.6
01U902	901.3	07-Sep-95	48 F	885.9
01U903	903.7	11-Mar-94	42 F	889.3
01U903	903.7	10-Jun-94	43 F	889.7
01U903	903.7	16-Jun-94	43 F	889.4
01U903	903.7	21-Jun-94	43 F	889.2
01U903	903.7	28-Jun-94	43 F	889.0
01U903	903.7	05-Jul-94	44 F	888.7
01U903	903.7	12-Jul-94	44 F	888.5
01U903	903.7	20-Jul-94	44 F	888.4
01U903	903.7	26-Jul-94	44 F	888.2
01U903	903.7	03-Aug-94	44 F	887.9
01U903	903.7	10-Aug-94	44 F	887.7
01U903	903.7	17-Aug-94	44 F	887.6
01U903	903.7	26-Aug-94	44 F	887.5
01U903	903.7	01-Sep-94	44 F	887.4
01U903	903.7	06-Sep-94	44 F	887.3
01U903	903.7	12-Sep-94	44 F	887.2
01U903	903.7	22-Sep-94	44 F	887.1
01U903	903.7	27-Sep-94	44 F	887.1
01U903	903.7	06-Oct-94	45 F	889.0
01U903	903.7	03-Nov-94	45 F	886.5
01U903	903.7	02-Dec-94	45 F	886.4
01U903	903.7	07-Jan-95	46 F	886.4
01U903	903.7	17-Feb-95	46 F	886.0
01U903	903.7	07-Mar-95	46 F	885.5
01U903	903.7	04-Apr-95	47 F	885.2
01U903	903.7	01-May-95	47 F	886.1
01U903	903.7	01-Jun-95	47 F	886.2
01U903	903.7	12-Jul-95	48 F	887.2
01U903	903.7	08-Aug-95	48 F	887.0
01U903	903.7	07-Sep-95	48 F	887.6
01U904	899.4	11-Mar-94	42 F	885.9
01U904	899.4	10-Jun-94	43 F	886.5
01U904	899.4	16-Jun-94	43 F	886.3
01U904	899.4	21-Jun-94	43 F	886.1
01U904	899.4	28-Jun-94	43 F	885.9
01U904	899.4	05-Jul-94	44 F	885.6
01U904	899.4	12-Jul-94	44 F	885.5
01U904	899.4	20-Jul-94	44 F	885.3
01U904	899.4	26-Jul-94	44 F	885.2
01U904	899.4	03-Aug-94	44 F	885.1
01U904	899.4	10-Aug-94	44 F	885.0
01U904	899.4	17-Aug-94	44 F	884.9
01U904	899.4	26-Aug-94	44 F	884.7
01U904	899.4	01-Sep-94	44 F	884.5
01U904	899.4	06-Sep-94	44 F	879.4
01U904	899.4	12-Sep-94	44 F	884.5
01U904	899.4	22-Sep-94	44 F	884.4
01U904	899.4	27-Sep-94	44 F	884.3
01U904	899.4	06-Oct-94	45 F	882.3
01U904	899.4	03-Nov-94	45 F	883.5
01U904	899.4	02-Dec-94	45 F	883.3
01U904	899.4	07-Jan-95	46 F	883.2
01U904	899.4	17-Feb-95	46 F	883.0
01U904	899.4	07-Mar-95	46 F	882.7
01U904	899.4	04-Apr-95	47 F	882.4
01U904	899.4	01-May-95	47 F	883.1
01U904	899.4	01-Jun-95	47 F	883.3
01U904	899.4	12-Jul-95	48 F	884.0
01U904	899.4	08-Aug-95	48 F	884.1
01U904	899.4	07-Sep-95	48 F	884.2
03F302	927.2	08-Oct-92	37 A	866.9
03F302	927.2	02-Mar-93	38 A	838.4
03F302	927.2	10-Sep-93	40 A	840.5
03F302	927.2	09-Mar-95	46 A	839.4
03F302	927.2	06-Sep-95	48 A	838.7
03F302 (B1)	927.2	01-Mar-94	42 A	841.5
03F302 (B1)	927.2	02-Sep-94	44 A	839.4
03F303	922.1	08-Oct-92	37 A	821.0
03F303	922.1	02-Mar-93	38 A	821.5
03F303	922.1	10-Sep-93	40 A	821.2
03F303	922.1	09-Mar-95	46 A	827.2
03F303	922.1	06-Sep-95	48 A	829.1
03F303 (B2)	922.0	01-Mar-94	42 A	821.1
03F303 (B2)	922.0	02-Sep-94	44 A	827.9
03F304	917.1	08-Oct-92	37 A	843.1
03F304	917.1	02-Mar-93	38 A	843.1
03F304	917.1	10-Sep-93	40 A	844.4
03F304	917.1	09-Mar-95	46 A	844.4
03F304	917.1	06-Sep-95	48 A	843.9
03F304 (B3)	917.1	01-Mar-94	42 A	846.2
03F304 (B3)	917.1	02-Sep-94	44 A	844.8
03F305	912.7	08-Oct-92	37 A	836.8
03F305	912.7	02-Mar-93	38 A	839.2
03F305	912.7	10-Sep-93	40 A	841.0
03F305	912.7	09-Mar-95	46 A	840.0
03F305	912.7	06-Sep-95	48 A	839.3
03F305 (B4)	912.7	01-Mar-94	42 A	841.8
03F305 (B4)	912.7	02-Sep-94	44 A	839.8
03F306	916.2	08-Oct-92	37 A	834.1
03F306	916.2	02-Mar-93	38 A	834.5
03F306	916.2	10-Sep-93	40 A	836.5
03F306	916.2	09-Mar-95	46 A	836.3
03F306	916.2	06-Sep-95	48 A	835.1
03F306 (B5)	916.0	01-Mar-94	42 A	838.5
03F306 (B5)	916.0	02-Sep-94	44 A	835.7
03F307	912.6	08-Oct-92	37 A	858.5
03F307	912.6	02-Mar-93	38 A	826.6
03F307	912.6	10-Sep-93	40 A	827.3
03F307	912.6	09-Mar-95	46 A	815.0
03F307	912.6	06-Sep-95	48 A	813.5
03F307 (B6)	912.5	01-Mar-94	42 A	826.8
03F307 (B6)	912.5	02-Sep-94	44 A	821.7
03F308	900.6	08-Oct-92	37 A	820.8

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TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03F308	900.6	02-Mar-93	38 A	821.5
03F308	900.6	10-Sep-93	40 A	815.7
03F308	900.6	09-Mar-95	46 A	799.0
03F308	900.6	06-Sep-95	48 A	797.5
03F308 (B7)	899.9	01-Mar-94	42 A	818.1
03F308 (B7)	899.9	02-Sep-94	44 A	814.5
03F312	942.1	08-Oct-92	37 A	841.2
03F312	942.1	02-Mar-93	38 A	842.4
03F312	942.1	10-Sep-93	40 A	842.0
03F312	942.1	09-Mar-95	46 A	844.1
03F312	942.1	06-Sep-95	48 A	843.0
03F312 (B11)	941.9	01-Mar-94	42 A	843.7
03F312 (B11)	941.9	02-Sep-94	44 A	843.9
03L001	888.5	08-Oct-92	37 A	843.3
03L001	888.5	02-Mar-93	38 A	844.4
03L001	888.5	10-Sep-93	40 A	845.8
03L001	888.5	01-Mar-94	42 A	847.5
03L001	888.5	02-Sep-94	44 A	845.7
03L001	888.5	09-Mar-95	46 A	845.3
03L001	888.5	06-Sep-95	48 A	845.4
03L002	919.5	08-Oct-92	37 A	844.1
03L002	919.5	02-Mar-93	38 A	845.0
03L002	919.5	10-Sep-93	40 A	846.3
03L002	919.5	01-Mar-94	42 A	848.0
03L002	919.5	02-Sep-94	44 A	846.6
03L002	919.5	09-Mar-95	46 A	846.5
03L002	919.5	06-Sep-95	48 A	846.0
03L003	943.4	08-Oct-92	37 A	846.1
03L003	943.4	02-Mar-93	38 A	846.8
03L003	943.4	10-Sep-93	40 A	847.7
03L003	943.4	01-Mar-94	42 A	849.5
03L003	943.4	02-Sep-94	44 A	848.8
03L003	943.4	09-Mar-95	46 A	848.7
03L003	943.4	06-Sep-95	48 A	848.2
03L004	950.4	08-Oct-92	37 A	849.5
03L004	950.4	02-Mar-93	38 A	850.2
03L004	950.4	10-Sep-93	40 A	851.3
03L004	950.4	01-Mar-94	42 A	853.2
03L004	950.4	02-Sep-94	44 A	852.3
03L004	950.4	09-Mar-95	46 A	852.3
03L004	950.4	06-Sep-95	48 A	851.4
03L005	971.6	08-Oct-92	37 A	852.8
03L005	971.6	02-Mar-93	38 A	853.3
03L005	971.6	09-Mar-93	38 F	853.1
03L005	971.6	10-Sep-93	40 A	854.1
03L005	971.6	01-Mar-94	42 A	856.2
03L005	971.6	17-Mar-94	42 F	856.7
03L005	971.6	02-Sep-94	44 A	855.3
03L005	971.6	09-Mar-95	46 A	855.6
03L005	971.6	06-Sep-95	48 A	854.5
03L007	901.5	08-Oct-92	37 A	855.1
03L007	901.5	02-Mar-93	38 A	855.8
03L007	901.5	02-Mar-93	38 F	855.6
03L007	901.5	10-Sep-93	40 A	856.8
03L007	901.5	01-Mar-94	42 A	858.7
03L007	901.5	11-Mar-94	42 F	858.8
03L007	901.5	02-Sep-94	44 A	857.3
03L007	901.5	09-Mar-95	46 A	858.3
03L007	901.5	06-Sep-95	48 A	857.4
03L010	889.1	08-Oct-92	37 A	863.2
03L010	889.1	02-Mar-93	38 A	864.0
03L010	889.1	02-Mar-93	38 F	864.1
03L010	889.1	10-Sep-93	40 A	865.9
03L010	889.1	01-Mar-94	42 A	866.7
03L010	889.1	11-Mar-94	42 F	866.7
03L010	889.1	02-Sep-94	44 A	864.9
03L010	889.1	09-Mar-95	46 A	865.7
03L010	889.1	06-Sep-95	48 A	865.0
03L012	879.9	08-Oct-92	37 A	856.2
03L012	879.9	02-Mar-93	38 A	857.4
03L012	879.9	10-Sep-93	40 A	858.9
03L012	879.9	01-Mar-94	42 A	860.3
03L012	879.9	02-Sep-94	44 A	858.5
03L012	879.9	09-Mar-95	46 A	859.1
03L012	879.9	06-Sep-95	48 A	857.9
03L013	889.7	08-Oct-92	37 A	847.5
03L013	889.7	02-Mar-93	38 A	848.6
03L013	889.7	10-Sep-93	40 A	849.9
03L013	889.9	01-Mar-94	42 A	851.7
03L013	889.9	02-Sep-94	44 A	850.0
03L013	889.9	09-Mar-95	46 A	850.1
03L013	889.9	06-Sep-95	48 A	849.0
03L014	989.5	08-Oct-92	37 A	852.3
03L014	989.5	02-Mar-93	38 A	853.1
03L014	989.5	10-Sep-93	40 A	854.4
03L014	989.5	01-Mar-94	42 A	856.1
03L014	989.5	02-Sep-94	44 A	855.1
03L014	989.5	09-Mar-95	46 A	855.2
03L014	989.5	06-Sep-95	48 A	855.4
03L017	939.1	08-Oct-92	37 A	848.8
03L017	939.1	02-Mar-93	38 A	849.8
03L017	939.1	10-Sep-93	40 A	851.1
03L017	939.1	01-Mar-94	42 A	852.8
03L017	939.1	02-Sep-94	44 A	851.6
03L017	939.1	09-Mar-95	46 A	851.7
03L017	939.1	06-Sep-95	48 A	851.1
03L018	989.3	08-Oct-92	37 A	851.8
03L018	989.3	02-Mar-93	38 A	852.7
03L018	989.3	10-Sep-93	40 A	854.0
03L018	989.3	01-Mar-94	42 A	855.8
03L018	989.3	02-Sep-94	44 A	854.7
03L018	989.3	09-Mar-95	46 A	854.8
03L018	989.3	06-Sep-95	48 A	854.1
03L020	954.5	08-Oct-92	37 A	849.1
03L020	954.5	02-Mar-93	38 A	850.0
03L020	954.5	10-Sep-93	40 A	851.2
03L020	954.5	01-Mar-94	42 A	853.0
03L020	954.5	02-Sep-94	44 A	851.9
03L020	954.5	09-Mar-95	46 A	851.9
03L020	954.5	06-Sep-95	48 A	851.1
03L021	944.1	08-Oct-92	37 A	846.5
03L021	944.1	02-Mar-93	38 A	847.4
03L021	944.1	10-Sep-93	40 A	848.7
03L021	944.1	01-Mar-94	42 A	850.4
03L021	944.1	02-Sep-94	44 A	849.3
03L021	944.1	09-Mar-95	46 A	849.2
03L021	944.1	06-Sep-95	48 A	848.6
03L027	966.9	08-Oct-92	37 A	849.4
03L027	966.9	02-Mar-93	38 A	850.3
03L027	966.9	10-Sep-93	40 A	851.5
03L027	966.9	01-Mar-94	42 A	853.2
03L027	966.9	02-Sep-94	44 A	852.2
03L027	966.9	09-Mar-95	46 A	852.2
03L027	966.9	06-Sep-95	48 A	851.5
03L028	956.6	08-Oct-92	37 A	848.7
03L028	956.6	02-Mar-93	38 A	849.5
03L028	956.6	10-Sep-93	40 A	850.7
03L028	956.6	01-Mar-94	42 A	852.6
03L028	956.6	02-Sep-94	44 A	851.6

TABLE II - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03L028	956.6	09-Mar-95	46 A	851.6
03L028	956.6	06-Sep-95	48 A	850.7
03L029	956.8	08-Oct-92	37 A	847.6
03L029	956.8	02-Mar-93	38 A	848.4
03L029	956.8	10-Sep-93	40 A	849.4
03L029	956.8	01-Mar-94	42 A	851.4
03L029	956.8	02-Sep-94	44 A	850.4
03L029	956.8	09-Mar-95	46 A	850.4
03L029	956.8	06-Sep-95	48 A	849.6
03L077	912.1	08-Oct-92	37 A	841.8
03L077	912.1	02-Mar-93	38 A	842.8
03L077	912.1	10-Sep-93	40 A	844.1
03L077	912.1	01-Mar-94	42 A	845.8
03L077	912.1	02-Sep-94	44 A	844.2
03L077	912.1	09-Mar-95	46 A	844.1
03L077	912.1	06-Sep-95	48 A	843.6
03L078	927.7	08-Oct-92	37 A	844.3
03L078	927.7	02-Mar-93	38 A	845.1
03L078	927.7	10-Sep-93	40 A	846.4
03L078	927.7	01-Mar-94	42 A	848.0
03L078	927.7	02-Sep-94	44 A	846.9
03L078	927.7	09-Mar-95	46 A	846.7
03L078	927.7	06-Sep-95	48 A	846.3
03L079	923.5	08-Oct-92	37 A	844.2
03L079	923.5	02-Mar-93	38 A	844.9
03L079	923.5	10-Sep-93	40 A	846.2
03L079	923.5	01-Mar-94	42 A	847.9
03L079	923.5	02-Sep-94	44 A	846.8
03L079	923.5	09-Mar-95	46 A	846.7
03L079	923.5	06-Sep-95	48 A	846.3
03L080	960.8	08-Oct-92	37 A	850.4
03L080	960.8	02-Mar-93	38 A	851.3
03L080	960.8	10-Sep-93	40 A	852.5
03L080	960.8	01-Mar-94	42 A	854.3
03L080	960.8	02-Sep-94	44 A	853.3
03L080	960.8	09-Mar-95	46 A	853.3
03L080	960.8	06-Sep-95	48 A	852.5
03L081	946.5	08-Oct-92	37 A	853.0
03L081	946.5	02-Mar-93	38 A	853.8
03L081	946.5	09-Mar-93	38 F	853.8
03L081	946.5	10-Sep-93	40 A	854.9
03L081	946.5	01-Mar-94	42 A	856.7
03L081	946.5	16-Mar-94	42 F	856.8
03L081	946.5	02-Sep-94	44 A	855.8
03L081	946.5	09-Mar-95	46 A	855.9
03L081	946.5	06-Sep-95	48 A	855.0
03L084	898.5	08-Oct-92	37 A	843.9
03L084	898.5	02-Mar-93	38 A	844.9
03L084	898.5	10-Sep-93	40 A	846.2
03L084	898.5	01-Mar-94	42 A	847.9
03L084	898.5	02-Sep-94	44 A	846.5
03L084	898.5	09-Mar-95	46 A	846.2
03L084	898.5	06-Sep-95	48 A	845.8
03L086	960.8	02-Mar-93	38 F	853.9
03L086	960.8	16-Mar-94	42 F	856.6
03L086	960.8	08-Mar-95	46 F	855.5
03L091	1008.5	05-Mar-93	38 F	854.6
03L091	1008.5	15-Mar-94	42 F	859.1
03L091	1008.5	28-Mar-95	46 F	858.1
03L113	974.9	08-Oct-92	37 A	853.7
03L113	974.9	02-Mar-93	38 A	854.8
03L113	974.9	03-Mar-93	38 F	854.8
03L113	974.9	10-Sep-93	40 A	856.1
03L113	974.9	01-Mar-94	42 A	857.8
03L113	974.9	15-Mar-94	42 F	858.0
03L113	974.9	02-Sep-94	44 A	856.7
03L113	974.9	09-Mar-95	46 A	857.0
03L113	974.9	06-Sep-95	48 A	856.3
03L137	972.5	02-Mar-93	38 F	854.4
03L137	972.5	08-Sep-93	40 F	855.8
03L137	972.6	16-Mar-94	42 F	857.4
03L137	972.6	08-Sep-94	44 F	856.4
03L137	972.6	08-Mar-95	46 F	856.3
03L137	972.6	08-Sep-95	48 F	855.8
03L138	965.6	05-Mar-93	38 F	853.9
03L138	965.6	08-Sep-93	40 F	855.2
03L138	965.6	16-Mar-94	42 F	856.8
03L138	965.6	08-Sep-94	44 F	855.9
03L138	965.6	22-Mar-95	46 F	856.0
03L138	965.6	08-Sep-95	48 F	855.2
03L673	897.7	08-Oct-92	37 A	839.7
03L673	897.7	02-Mar-93	38 A	840.5
03L673	897.7	10-Sep-93	40 A	841.7
03L673	897.7	01-Mar-94	42 A	843.2
03L673	897.7	30-Mar-94	42 A	843.0
03L673	897.7	31-Mar-94	42 A	843.4
03L673	897.7	10-Apr-94	43 A	843.2
03L673	897.7	17-Apr-94	43 A	843.0
03L673	897.7	18-Apr-94	43 A	843.9
03L673	897.7	18-Apr-94	43 A	843.9
03L673	897.7	18-Apr-94	43 A	844.0
03L673	897.7	19-Apr-94	43 A	843.1
03L673	897.7	20-Apr-94	43 A	843.1
03L673	897.7	21-Apr-94	43 A	843.1
03L673	897.7	22-Apr-94	43 A	843.2
03L673	897.7	25-Apr-94	43 A	843.6
03L673	897.7	26-Apr-94	43 A	843.8
03L673	897.7	28-Apr-94	43 A	843.0
03L673	897.7	29-Apr-94	43 A	842.9
03L673	897.7	02-May-94	43 A	843.2
03L673	897.7	09-May-94	43 A	843.3
03L673	897.7	16-May-94	43 A	842.9
03L673	897.7	23-May-94	43 A	843.2
03L673	897.7	20-Jun-94	43 A	842.8
03L673	897.7	19-Jul-94	44 A	844.3
03L673	897.7	02-Sep-94	44 A	841.9
03L673	897.7	10-Oct-94	45 A	842.2
03L673	897.7	10-Oct-94	45 A	842.2
03L673	897.7	27-Jan-95	46 A	842.8
03L673	897.7	06-Mar-95	46 A	842.7
03L673	897.7	09-Mar-95	46 A	842.1
03L673	897.7	21-Jun-95	47 A	843.3
03L673	897.7	05-Sep-95	48 A	841.9
03L673	897.7	06-Sep-95	48 A	841.3
03L802	907.6	08-Oct-92	37 A	844.3
03L802	907.6	02-Mar-93	38 A	845.0
03L802	907.6	10-Sep-93	40 A	846.3
03L802	907.6	01-Mar-94	42 A	847.9
03L802	907.6	02-Sep-94	44 A	846.9
03L802	907.6	09-Mar-95	46 A	847.0
03L802	907.6	06-Sep-95	48 A	846.4
03L806	909.6	08-Oct-92	37 A	841.6
03L806	909.6	02-Mar-93	38 A	842.6
03L806	909.6	10-Sep-93	40 A	843.9
03L806	909.6	01-Mar-94	42 A	845.5
03L806	909.6	02-Sep-94	44 A	844.0
03L806	909.6	09-Mar-95	46 A	844.0
03L806	909.6	06-Sep-95	48 A	843.3
03L809	911.9	08-Oct-92	37 A	843.0
03L809	911.9	02-Mar-93	38 A	844.0
03L809	911.9	10-Mar-93	38 F	843.9
03L809	911.9	10-Sep-93	40 A	845.3

TABLE II - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03L809	911.9	01-Mar-94	42 A	846.9
03L809	911.9	17-Mar-94	42 F	846.6
03L809	911.9	02-Sep-94	44 A	845.4
03L809	911.9	09-Mar-95	46 A	845.4
03L809	911.9	06-Sep-95	48 A	844.7
03L811	908.4	03-Mar-93	38 F	840.7
03L811	908.4	18-Mar-94	42 F	844.9
03L811	908.4	23-Mar-95	46 F	843.0
03L813	870.4	03-Mar-93	38 F	839.7
03L822	876.6	04-Mar-93	38 F	832.8
03L822	876.6	18-Mar-94	42 F	836.1
03L822	876.6	15-Mar-95	46 F	834.4
03L832	884.6	04-Mar-93	38 F	831.8
03L832	884.6	30-Mar-94	42 A	834.6
03L832	884.6	31-Mar-94	42 A	834.9
03L832	884.6	10-Apr-94	43 A	834.9
03L832	884.6	17-Apr-94	43 A	835.0
03L832	884.6	18-Apr-94	43 A	835.3
03L832	884.6	18-Apr-94	43 A	835.4
03L832	884.6	18-Apr-94	43 A	835.4
03L832	884.6	19-Apr-94	43 A	834.7
03L832	884.6	20-Apr-94	43 A	834.9
03L832	884.6	21-Apr-94	43 A	835.0
03L832	884.6	22-Apr-94	43 A	835.1
03L832	884.6	25-Apr-94	43 A	835.2
03L832	884.6	26-Apr-94	43 A	835.3
03L832	884.6	28-Apr-94	43 A	834.6
03L832	884.6	29-Apr-94	43 A	834.7
03L832	884.6	02-May-94	43 A	835.1
03L832	884.6	09-May-94	43 A	834.9
03L832	884.6	16-May-94	43 A	834.3
03L832	884.6	23-May-94	43 A	834.1
03L832	884.6	20-Jun-94	43 A	833.3
03L832	884.6	19-Jul-94	44 A	833.3
03L832	884.6	10-Oct-94	45 A	832.5
03L832	884.6	27-Jan-95	46 A	833.2
03L832	884.6	06-Mar-95	46 A	833.5
03L832	884.6	21-Jun-95	47 A	832.8
03L832	884.6	05-Sep-95	48 A	832.4
03L833	908.0	09-Mar-95	46 A	844.0
03L833	908.0	06-Sep-95	48 A	843.4
03L833	908.0	01-Mar-94	42 A	845.6
03L833	908.0	02-Sep-94	44 A	844.1
03L841	911.3	08-Oct-92	37 A	839.0
03L841	911.3	02-Mar-93	38 A	839.9
03L841	911.3	10-Mar-93	38 F	839.7
03L841	911.3	10-Sep-93	40 A	841.1
03L841	911.3	01-Mar-94	42 A	842.6
03L841	911.3	18-Mar-94	42 F	843.6
03L841	911.3	30-Mar-94	42 A	842.4
03L841	911.3	31-Mar-94	42 A	842.8
03L841	911.3	10-Apr-94	43 A	842.5
03L841	911.3	17-Apr-94	43 A	842.3
03L841	911.3	18-Apr-94	43 A	843.2
03L841	911.3	18-Apr-94	43 A	843.3
03L841	911.3	18-Apr-94	43 A	843.3
03L841	911.3	19-Apr-94	43 A	842.4
03L841	911.3	20-Apr-94	43 A	842.4
03L841	911.3	21-Apr-94	43 A	842.4
03L841	911.3	22-Apr-94	43 A	842.5
03L841	911.3	25-Apr-94	43 A	842.9
03L841	911.3	26-Apr-94	43 A	843.1
03L841	911.3	28-Apr-94	43 A	842.3
03L841	911.3	29-Apr-94	43 A	842.3
03L841	911.3	02-May-94	43 A	842.5
03L841	911.3	09-May-94	43 A	842.6
03L841	911.3	16-May-94	43 A	842.3
03L841	911.3	23-May-94	43 A	842.5
03L841	911.3	20-Jun-94	43 A	842.1
03L841	911.3	19-Jul-94	44 A	843.4
03L841	911.3	02-Sep-94	44 A	841.1
03L841	911.3	10-Oct-94	45 A	841.5
03L841	911.3	10-Oct-94	45 A	841.5
03L841	911.3	27-Jan-95	46 A	841.6
03L841	911.3	06-Mar-95	46 A	841.4
03L841	911.3	09-Mar-95	46 A	841.4
03L841	911.3	21-Jun-95	47 A	842.0
03L841	911.3	05-Sep-95	48 A	840.5
03L841	911.3	06-Sep-95	48 A	840.5
03L846	887.6	04-Mar-93	38 F	829.3
03L846	887.6	18-Mar-94	42 F	831.6
03L846	887.6	17-Apr-94	43 A	832.6
03L846	887.6	18-Apr-94	43 A	832.8
03L846	887.6	18-Apr-94	43 A	832.9
03L846	887.6	18-Apr-94	43 A	833.0
03L846	887.6	19-Apr-94	43 A	832.5
03L846	887.6	20-Apr-94	43 A	832.6
03L846	887.6	21-Apr-94	43 A	832.7
03L846	887.6	22-Apr-94	43 A	832.7
03L846	887.6	25-Apr-94	43 A	832.8
03L846	887.6	26-Apr-94	43 A	832.9
03L846	887.6	28-Apr-94	43 A	832.4
03L846	887.6	29-Apr-94	43 A	832.4
03L846	887.6	02-May-94	43 A	832.7
03L846	887.6	09-May-94	43 A	832.5
03L846	887.6	16-May-94	43 A	832.1
03L846	887.6	23-May-94	43 A	832.0
03L846	887.6	20-Jun-94	43 A	831.2
03L846	887.6	19-Jul-94	44 A	830.8
03L846	887.6	10-Oct-94	45 A	830.2
03L846	887.6	27-Jan-95	46 A	830.7
03L846	887.6	06-Mar-95	46 A	830.9
03L846	887.6	16-Mar-95	46 F	829.5
03L846	887.6	21-Jun-95	47 A	830.6
03L846	887.6	05-Sep-95	48 A	830.2
03L848	902.3	09-Mar-93	38 F	838.8
03L848	902.3	30-Mar-94	42 A	841.4
03L848	902.3	31-Mar-94	42 A	841.8
03L848	902.3	10-Apr-94	43 A	841.6
03L848	902.3	17-Apr-94	43 A	841.5
03L848	902.3	18-Apr-94	43 A	842.3
03L848	902.3	18-Apr-94	43 A	842.3
03L848	902.3	18-Apr-94	43 A	842.3
03L848	902.3	19-Apr-94	43 A	841.6
03L848	902.3	20-Apr-94	43 A	841.6
03L848	902.3	21-Apr-94	43 A	841.6
03L848	902.3	22-Apr-94	43 A	841.7
03L848	902.3	25-Apr-94	43 A	842.1
03L848	902.3	26-Apr-94	43 A	842.3
03L848	902.3	28-Apr-94	43 A	841.5
03L848	902.3	29-Apr-94	43 A	841.5
03L848	902.3	02-May-94	43 A	841.7
03L848	902.3	09-May-94	43 A	841.8
03L848	902.3	16-May-94	43 A	841.4
03L848	902.3	23-May-94	43 A	841.7
03L848	902.3	20-Jun-94	43 A	841.2
03L848	902.3	19-Jul-94	44 A	842.0
03L848	902.3	10-Oct-94	45 A	840.3
03L848	902.3	27-Jan-95	46 A	842.0
03L848	902.3	21-Jun-95	47 A	842.3
03L848	902.3	05-Sep-95	48 A	841.9
03L853	888.8	03-Mar-93	38 F	833.7
03L853	888.8	18-Mar-94	42 F	836.7
03L853	888.8	16-Mar-95	46 F	835.0
03L854	889.9	04-Mar-93	38 F	835.8
03L854	889.9	21-Mar-94	42 F	838.8
03L854	889.9	30-Mar-94	42 A	838.4

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TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03L854	889.9	31-Mar-94	42 A	838.9
03L854	889.9	10-Apr-94	43 A	838.6
03L854	889.9	17-Apr-94	43 A	838.6
03L854	889.9	18-Apr-94	43 A	839.2
03L854	889.9	18-Apr-94	43 A	839.2
03L854	889.9	18-Apr-94	43 A	839.2
03L854	889.9	19-Apr-94	43 A	838.7
03L854	889.9	20-Apr-94	43 A	838.6
03L854	889.9	21-Apr-94	43 A	838.7
03L854	889.9	22-Apr-94	43 A	838.9
03L854	889.9	25-Apr-94	43 A	839.3
03L854	889.9	26-Apr-94	43 A	839.5
03L854	889.9	28-Apr-94	43 A	838.6
03L854	889.9	29-Apr-94	43 A	838.6
03L854	889.9	02-May-94	43 A	838.9
03L854	889.9	09-May-94	43 A	839.0
03L854	889.9	16-May-94	43 A	838.6
03L854	889.9	23-May-94	43 A	838.8
03L854	889.9	20-Jun-94	43 A	838.3
03L854	889.9	19-Jul-94	44 A	838.3
03L854	889.9	10-Oct-94	45 A	836.9
03L854	889.9	27-Jan-95	46 A	837.6
03L854	889.9	06-Mar-95	46 A	837.6
03L854	889.9	21-Jun-95	47 A	837.6
03L854	889.9	05-Sep-95	48 A	836.9
03L856	872.6	04-Mar-93	38 F	838.2
03L856	872.6	21-Mar-94	42 F	840.9
03L856	872.6	23-Mar-95	46 F	839.2
03L858	994.1	05-Mar-93	38 F	895.0
03L858	994.1	22-Mar-94	42 F	895.8
03L858	994.1	16-Mar-95	46 F	896.4
03L859	900.9	03-Mar-93	38 F	836.5
03L859	900.9	18-Mar-94	42 F	839.6
03L859	900.9	30-Mar-94	42 A	839.0
03L859	900.9	31-Mar-94	42 A	839.5
03L859	900.9	10-Apr-94	43 A	839.2
03L859	900.9	17-Apr-94	43 A	839.1
03L859	900.9	18-Apr-94	43 A	839.8
03L859	900.9	18-Apr-94	43 A	839.8
03L859	900.9	18-Apr-94	43 A	839.8
03L859	900.9	19-Apr-94	43 A	839.2
03L859	900.9	20-Apr-94	43 A	839.2
03L859	900.9	21-Apr-94	43 A	838.7
03L859	900.9	22-Apr-94	43 A	839.5
03L859	900.9	25-Apr-94	43 A	839.8
03L859	900.9	26-Apr-94	43 A	840.0
03L859	900.9	28-Apr-94	43 A	839.1
03L859	900.9	29-Apr-94	43 A	839.1
03L859	900.9	02-May-94	43 A	839.4
03L859	900.9	09-May-94	43 A	839.5
03L859	900.9	16-May-94	43 A	839.0
03L859	900.9	23-May-94	43 A	839.3
03L859	900.9	20-Jun-94	43 A	838.8
03L859	900.9	19-Jul-94	44 A	839.1
03L859	900.9	10-Oct-94	45 A	837.5
03L859	900.9	27-Jan-95	46 A	838.1
03L859	900.9	06-Mar-95	46 A	838.2
03L859	900.9	21-Jun-95	47 A	838.1
03L859	900.9	05-Sep-95	48 A	837.3
03L860	894.3	10-Mar-93	38 F	836.2
03L860	894.3	30-Mar-94	42 A	838.7
03L860	894.3	31-Mar-94	42 A	839.1
03L860	894.3	10-Apr-94	43 A	838.8
03L860	894.3	17-Apr-94	43 A	838.8
03L860	894.3	18-Apr-94	43 A	839.4
03L860	894.3	18-Apr-94	43 A	839.5
03L860	894.3	18-Apr-94	43 A	839.5
03L860	894.3	19-Apr-94	43 A	838.9
03L860	894.3	20-Apr-94	43 A	838.9
03L860	894.3	21-Apr-94	43 A	838.9
03L860	894.3	22-Apr-94	43 A	839.1
03L860	894.3	25-Apr-94	43 A	839.5
03L860	894.3	26-Apr-94	43 A	839.7
03L860	894.3	28-Apr-94	43 A	838.8
03L860	894.3	29-Apr-94	43 A	838.8
03L860	894.3	02-May-94	43 A	839.1
03L860	894.3	09-May-94	43 A	839.3
03L860	894.3	16-May-94	43 A	838.8
03L860	894.3	23-May-94	43 A	839.1
03L860	894.3	20-Jun-94	43 A	838.5
03L860	894.3	19-Jul-94	44 A	838.5
03L860	894.3	10-Oct-94	45 A	837.2
03L860	894.3	27-Jan-95	46 A	837.9
03L860	894.3	06-Mar-95	46 A	837.8
03L860	894.3	21-Jun-95	47 A	837.8
03L860	894.3	05-Sep-95	48 A	837.1
03L861	889.1	04-Mar-93	38 F	834.3
03L861	889.1	30-Mar-94	42 A	837.0
03L861	889.1	31-Mar-94	42 A	837.5
03L861	889.1	10-Apr-94	43 A	837.2
03L861	889.1	17-Apr-94	43 A	837.2
03L861	889.1	18-Apr-94	43 A	837.8
03L861	889.1	18-Apr-94	43 A	837.8
03L861	889.1	18-Apr-94	43 A	837.8
03L861	889.1	19-Apr-94	43 A	837.2
03L861	889.1	20-Apr-94	43 A	837.2
03L861	889.1	21-Apr-94	43 A	837.3
03L861	889.1	22-Apr-94	43 A	837.5
03L861	889.1	25-Apr-94	43 A	837.8
03L861	889.1	26-Apr-94	43 A	838.0
03L861	889.1	28-Apr-94	43 A	837.1
03L861	889.1	29-Apr-94	43 A	837.2
03L861	889.1	02-May-94	43 A	837.5
03L861	889.1	09-May-94	43 A	837.5
03L861	889.1	16-May-94	43 A	837.0
03L861	889.1	23-May-94	43 A	837.2
03L861	889.1	20-Jun-94	43 A	836.6
03L861	889.1	19-Jul-94	44 A	836.5
03L861	889.1	10-Oct-94	45 A	835.3
03L861	889.1	27-Jan-95	46 A	836.0
03L861	889.1	06-Mar-95	46 A	836.0
03L861	889.1	21-Jun-95	47 A	835.9
03L861	889.1	05-Sep-95	48 A	835.2
03M001	888.4	08-Oct-92	37 A	843.5
03M001	888.4	02-Mar-93	38 A	844.6
03M001	888.4	10-Sep-93	40 A	846.1
03M001	888.4	01-Mar-94	42 A	847.7
03M001	888.4	02-Sep-94	44 A	846.0
03M001	888.4	09-Mar-95	46 A	845.5
03M001	888.4	06-Sep-95	48 A	845.1
03M002	919.4	08-Oct-92	37 A	844.2
03M002	919.4	02-Mar-93	38 A	845.1
03M002	919.4	10-Sep-93	40 A	846.4
03M002	919.4	01-Mar-94	42 A	848.1
03M002	919.4	02-Sep-94	44 A	846.7
03M002	919.4	09-Mar-95	46 A	846.6
03M002	919.4	06-Sep-95	48 A	846.1
03M003	942.7	08-Oct-92	37 A	846.4
03M003	942.7	02-Mar-93	38 A	847.1
03M003	942.7	10-Sep-93	40 A	848.2
03M003	942.7	01-Mar-94	42 A	850.1
03M003	942.7	02-Sep-94	44 A	849.4
03M003	942.7	09-Mar-95	46 A	849.1
03M003	942.7	06-Sep-95	48 A	848.8
03M004	950.7	08-Oct-92	37 A	850.5
03M004	950.7	02-Mar-93	38 A	851.2
03M004	950.7	10-Sep-93	40 A	852.3
03M004	950.7	01-Mar-94	42 A	854.2
03M004	950.7	02-Sep-94	44 A	853.3

TABLE II - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03M004	950.7	09-Mar-95	46 A	853.3
03M004	950.7	06-Sep-95	48 A	853.4
03M005	972.3	08-Oct-92	37 A	852.7
03M005	972.3	02-Mar-93	38 A	853.2
03M005	972.3	05-Mar-93	38 F	853.2
03M005	972.3	10-Sep-93	40 A	854.1
03M005	972.3	01-Mar-94	42 A	856.2
03M005	972.3	17-Mar-94	42 F	856.9
03M005	972.3	02-Sep-94	44 A	855.3
03M005	972.3	09-Mar-95	46 A	855.6
03M005	972.3	06-Sep-95	48 A	854.4
03M007	900.7	08-Oct-92	37 A	855.6
03M007	900.7	02-Mar-93	38 A	856.1
03M007	900.7	02-Mar-93	38 F	856.0
03M007	900.7	10-Sep-93	40 A	857.2
03M007	900.7	01-Mar-94	42 A	859.1
03M007	900.7	11-Mar-94	42 F	859.2
03M007	900.7	02-Sep-94	44 A	857.8
03M007	900.7	09-Mar-95	46 A	858.2
03M007	900.7	06-Sep-95	48 A	857.7
03M010	888.9	08-Oct-92	37 A	863.2
03M010	888.9	02-Mar-93	38 A	864.0
03M010	888.9	02-Mar-93	38 F	864.1
03M010	888.9	10-Sep-93	40 A	866.0
03M010	888.9	01-Mar-94	42 A	866.8
03M010	888.9	11-Mar-94	42 F	867.0
03M010	888.9	02-Sep-94	44 A	865.0
03M010	888.9	09-Mar-95	46 A	865.8
03M010	888.9	06-Sep-95	48 A	865.2
03M012	880.2	08-Oct-92	37 A	856.2
03M012	880.2	02-Mar-93	38 A	857.4
03M012	880.2	10-Sep-93	40 A	858.9
03M012	880.2	01-Mar-94	42 A	860.4
03M012	880.2	02-Sep-94	44 A	858.5
03M012	880.2	09-Mar-95	46 A	859.1
03M012	880.2	06-Sep-95	48 A	858.0
03M013	889.7	08-Oct-92	37 A	847.7
03M013	889.7	02-Mar-93	38 A	848.8
03M013	889.7	10-Sep-93	40 A	850.1
03M013	889.7	01-Mar-94	42 A	851.9
03M013	889.7	02-Sep-94	44 A	850.2
03M013	889.7	09-Mar-95	46 A	850.2
03M013	889.7	06-Sep-95	48 A	849.2
03M017	938.9	08-Oct-92	37 A	848.9
03M017	938.9	02-Mar-93	38 A	849.8
03M017	938.9	10-Sep-93	40 A	851.1
03M017	938.9	01-Mar-94	42 A	852.8
03M017	938.9	02-Sep-94	44 A	851.6
03M017	938.9	09-Mar-95	46 A	851.7
03M017	938.9	06-Sep-95	48 A	851.1
03M020	954.5	08-Oct-92	37 A	849.1
03M020	954.5	02-Mar-93	38 A	849.9
03M020	954.5	10-Sep-93	40 A	851.2
03M020	954.5	01-Mar-94	42 A	853.0
03M020	954.5	02-Sep-94	44 A	851.9
03M020	954.5	09-Mar-95	46 A	851.8
03M020	954.5	06-Sep-95	48 A	851.0
03M505		Well Abandoned		
03M713	895.6	08-Oct-92	37 A	841.7
03M713	895.6	02-Mar-93	38 A	842.7
03M713	895.6	10-Sep-93	40 A	844.0
03M713	895.6	01-Mar-94	42 A	845.7
03M713	895.6	02-Sep-94	44 A	844.3
03M713	895.6	09-Mar-95	46 A	843.7
03M713	895.6	06-Sep-95	48 A	843.3
03M802	905.6	08-Oct-92	37 A	844.2
03M802	905.6	02-Mar-93	38 A	844.9
03M802	905.6	10-Sep-93	40 A	846.3
03M802	905.6	01-Mar-94	42 A	848.0
03M802	905.6	02-Sep-94	44 A	847.0
03M802	905.6	09-Mar-95	46 A	847.1
03M802	905.6	06-Sep-95	48 A	846.6
03M806	909.6	08-Oct-92	37 A	841.6
03M806	909.6	02-Mar-93	38 A	842.6
03M806	909.6	10-Sep-93	40 A	843.9
03M806	909.6	01-Mar-94	42 A	845.5
03M806	909.6	02-Sep-94	44 A	844.0
03M806	909.6	09-Mar-95	46 A	844.1
03M806	909.6	06-Sep-95	48 A	843.4
03M843	885.7	03-Mar-93	38 F	833.8
03M843	885.7	09-Sep-93	40 F	835.0
03M843	885.7	18-Mar-94	42 F	838.1
03M843	885.7	12-Sep-94	44 F	835.6
03M843	885.7	15-Mar-95	46 F	836.3
03M843	885.7	08-Sep-95	48 F	834.5
03M848	902.5	09-Mar-93	38 F	838.4
03M848	902.5	09-Sep-93	40 F	839.5
03M848	902.5	17-Mar-94	42 F	842.5
03M848	902.5	30-Mar-94	42 A	841.0
03M848	902.5	31-Mar-94	42 A	841.4
03M848	902.5	10-Apr-94	43 A	841.2
03M848	902.5	17-Apr-94	43 A	841.0
03M848	902.5	18-Apr-94	43 A	841.8
03M848	902.5	18-Apr-94	43 A	841.8
03M848	902.5	18-Apr-94	43 A	841.8
03M848	902.5	19-Apr-94	43 A	841.2
03M848	902.5	20-Apr-94	43 A	841.1
03M848	902.5	21-Apr-94	43 A	841.2
03M848	902.5	22-Apr-94	43 A	841.3
03M848	902.5	25-Apr-94	43 A	841.7
03M848	902.5	26-Apr-94	43 A	841.9
03M848	902.5	28-Apr-94	43 A	841.0
03M848	902.5	29-Apr-94	43 A	841.0
03M848	902.5	02-May-94	43 A	841.3
03M848	902.5	09-May-94	43 A	841.4
03M848	902.5	16-May-94	43 A	841.0
03M848	902.5	23-May-94	43 A	841.3
03M848	902.5	20-Jun-94	43 A	840.8
03M848	902.5	19-Jul-94	44 A	841.5
03M848	902.5	10-Oct-94	45 A	839.8
03M848	902.5	27-Jan-95	46 A	841.6
03M848	902.5	06-Mar-95	46 A	841.5
03M848	902.5	21-Jun-95	47 A	841.8
03M848	902.5	05-Sep-95	48 A	840.8
03U001	888.2	01-Mar-94	42 A	847.9
03U001	888.2	02-Sep-94	44 A	846.1
03U001	888.2	09-Mar-95	46 A	845.7
03U001	888.2	06-Sep-95	48 A	844.7
03U001	888.2	08-Oct-92	37 A	843.6
03U001	888.2	02-Mar-93	38 A	844.8
03U001	888.2	10-Sep-93	40 A	846.2
03U002	917.8	08-Oct-92	37 A	844.8
03U002	917.8	02-Mar-93	38 A	845.8
03U002	917.8	10-Sep-93	40 A	847.1
03U002	917.8	01-Mar-94	42 A	848.8
03U002	917.8	02-Sep-94	44 A	847.6
03U002	917.8	09-Mar-95	46 A	847.5
03U002	917.8	06-Sep-95	48 A	847.0
03U003	942.6	08-Oct-92	37 A	846.5
03U003	942.6	02-Mar-93	38 A	847.2
03U003	942.6	10-Sep-93	40 A	848.3

TABLE II - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U003	942.6	01-Mar-94	42 A	850.3
03U003	942.6	02-Sep-94	44 A	849.5
03U003	942.6	09-Mar-95	46 A	849.2
03U003	942.6	06-Sep-95	48 A	848.9
03U004	950.8	08-Oct-92	37 A	852.0
03U004	950.8	02-Mar-93	38 A	852.7
03U004	950.8	10-Sep-93	40 A	853.8
03U004	950.8	01-Mar-94	42 A	855.6
03U004	950.8	02-Sep-94	44 A	854.8
03U004	950.8	09-Mar-95	46 A	854.6
03U004	950.8	06-Sep-95	48 A	852.9
03U005	970.5	08-Oct-92	37 A	852.7
03U005	970.5	02-Mar-93	38 A	853.2
03U005	970.5	09-Mar-93	38 F	853.0
03U005	970.5	10-Sep-93	40 A	854.0
03U005	970.5	01-Mar-94	42 A	856.1
03U005	970.5	17-Mar-94	42 F	857.1
03U005	970.5	02-Sep-94	44 A	855.3
03U005	970.5	09-Mar-95	46 A	855.5
03U005	970.5	06-Sep-95	48 A	854.4
03U006	966.7	08-Oct-92	37 A	854.2
03U006	966.7	02-Mar-93	38 A	854.7
03U006	966.7	10-Sep-93	40 A	855.2
03U006	966.7	01-Mar-94	42 A	857.5
03U006	966.7	11-Mar-94	42 F	857.6
03U006	966.7	02-Sep-94	44 A	856.7
03U006	966.7	09-Mar-95	46 A	856.8
03U006	966.7	06-Sep-95	48 A	856.4
03U007	900.3	08-Oct-92	37 A	855.6
03U007	900.3	02-Mar-93	38 A	856.2
03U007	900.3	02-Mar-93	38 F	856.1
03U007	900.3	10-Sep-93	40 A	857.3
03U007	900.3	01-Mar-94	42 A	859.1
03U007	900.3	11-Mar-94	42 F	859.5
03U007	900.3	02-Sep-94	44 A	857.9
03U007	900.3	09-Mar-95	46 A	833.7
03U007	900.3	09-Mar-95	46 A	858.3
03U007	900.3	06-Sep-95	48 A	857.8
03U008	915.2	08-Oct-92	37 A	861.1
03U008	915.2	02-Mar-93	38 A	862.1
03U008	915.2	10-Sep-93	40 A	863.7
03U008	915.2	01-Mar-94	42 A	864.9
03U008	915.2	11-Mar-94	42 F	865.4
03U008	915.2	02-Sep-94	44 A	863.1
03U008	915.2	09-Mar-95	46 A	864.0
03U008	915.2	06-Sep-95	48 A	863.3
03U009	912.9	08-Oct-92	37 A	863.2
03U009	912.9	02-Mar-93	38 A	863.9
03U009	912.9	02-Mar-93	38 F	864.1
03U009	912.9	10-Sep-93	40 A	866.0
03U009	912.9	01-Mar-94	42 A	866.7
03U009	912.9	11-Mar-94	42 F	866.9
03U009	912.9	02-Sep-94	44 A	864.9
03U009	912.9	09-Mar-95	46 A	865.7
03U009	912.9	06-Sep-95	48 A	865.2
03U009	912.9	08-Sep-95	48 F	865.1
03U010	888.4	08-Oct-92	37 A	863.2
03U010	888.4	02-Mar-93	38 A	864.1
03U010	888.4	02-Mar-93	38 F	864.1
03U010	888.4	10-Sep-93	40 A	866.0
03U010	888.4	01-Mar-94	42 A	866.8
03U010	888.4	11-Mar-94	42 F	867.0
03U010	888.4	02-Sep-94	44 A	865.0
03U010	888.4	09-Mar-95	46 A	865.8
03U010	888.4	06-Sep-95	48 A	865.2
03U011	900.6	08-Oct-92	37 A	860.6
03U011	900.6	01-Mar-93	38 F	861.8
03U011	900.6	02-Mar-93	38 A	861.7
03U011	900.6	10-Sep-93	40 A	863.3
03U011	900.6	01-Mar-94	42 A	864.6
03U011	900.6	11-Mar-94	42 F	864.9
03U011	900.6	02-Sep-94	44 A	862.9
03U011	900.6	09-Mar-95	46 A	863.7
03U011	900.6	06-Sep-95	48 A	862.8
03U012	880.0	08-Oct-92	37 A	856.3
03U012	880.0	02-Mar-93	38 A	857.4
03U012	880.0	10-Sep-93	40 A	859.0
03U012	880.0	01-Mar-94	42 A	860.4
03U012	880.0	02-Sep-94	44 A	858.5
03U012	880.0	09-Mar-95	46 A	859.1
03U012	880.0	06-Sep-95	48 A	858.0
03U013	890.0	08-Oct-92	37 A	847.7
03U013	890.0	02-Mar-93	38 A	848.8
03U013	890.0	10-Sep-93	40 A	850.1
03U013	890.0	01-Mar-94	42 A	851.9
03U013	890.0	02-Sep-94	44 A	850.2
03U013	890.0	09-Mar-95	46 A	850.3
03U013	890.0	06-Sep-95	48 A	849.2
03U014	988.3	08-Oct-92	37 A	852.0
03U014	988.3	02-Mar-93	38 A	852.7
03U014	988.3	10-Sep-93	40 A	854.0
03U014	988.3	01-Mar-94	42 A	855.7
03U014	988.3	02-Sep-94	44 A	854.9
03U014	988.3	09-Mar-95	46 A	854.9
03U014	988.3	06-Sep-95	48 A	853.0
03U015	934.6	08-Oct-92	37 A	852.7
03U015	934.6	02-Mar-93	38 A	853.7
03U015	934.6	04-Mar-93	38 F	853.5
03U015	934.6	10-Sep-93	40 A	855.0
03U015	934.6	01-Mar-94	42 A	856.7
03U015	934.6	14-Mar-94	42 F	856.7
03U015	934.6	02-Sep-94	44 A	855.5
03U015	934.6	09-Mar-95	46 A	855.8
03U015	934.6	06-Sep-95	48 A	855.1
03U016	947.3	08-Oct-92	37 A	855.4
03U016	947.3	02-Mar-93	38 A	856.4
03U016	947.3	04-Mar-93	38 F	856.4
03U016	947.3	10-Sep-93	40 A	857.8
03U016	947.3	01-Mar-94	42 A	859.5
03U016	947.3	14-Mar-94	42 F	859.8
03U016	947.3	02-Sep-94	44 A	858.2
03U016	947.3	09-Mar-95	46 A	858.5
03U016	947.3	06-Sep-95	48 A	857.8
03U017	939.0	08-Oct-92	37 A	848.9
03U017	939.0	02-Mar-93	38 A	849.8
03U017	939.0	10-Sep-93	40 A	851.1
03U017	939.0	01-Mar-94	42 A	852.9
03U017	939.0	02-Sep-94	44 A	851.6
03U017	939.0	09-Mar-95	46 A	851.7
03U017	939.0	06-Sep-95	48 A	851.1
03U018	988.8	08-Oct-92	37 A	852.0
03U018	988.8	02-Mar-93	38 A	852.8
03U018	988.8	10-Sep-93	40 A	854.2
03U018	988.8	01-Mar-94	42 A	856.0
03U018	988.8	02-Sep-94	44 A	854.9
03U018	988.8	09-Mar-95	46 A	855.0
03U018	988.8	06-Sep-95	48 A	854.3
03U019	943.2	08-Oct-92	37 A	853.4
03U019	943.2	02-Mar-93	38 A	854.3
03U019	943.2	05-Mar-93	38 F	854.2
03U019	943.2	10-Sep-93	40 A	855.6
03U019	943.2	01-Mar-94	42 A	857.3

TABLE II - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U019	943.2	16-Mar-94	42 F	857.1
03U019	943.2	02-Sep-94	44 A	856.4
03U019	943.2	09-Mar-95	46 A	856.5
03U019	943.2	06-Sep-95	48 A	855.7
03U020	954.3	08-Oct-92	37 A	849.1
03U020	954.3	02-Mar-93	38 A	850.1
03U020	954.3	10-Sep-93	40 A	851.3
03U020	954.3	01-Mar-94	42 A	853.1
03U020	954.3	02-Sep-94	44 A	852.0
03U020	954.3	09-Mar-95	46 A	852.0
03U020	954.3	06-Sep-95	48 A	851.2
03U021	944.4	08-Oct-92	37 A	846.8
03U021	944.4	02-Mar-93	38 A	847.7
03U021	944.4	10-Sep-93	40 A	849.1
03U021	944.4	01-Mar-94	42 A	850.8
03U021	944.4	02-Sep-94	44 A	849.7
03U021	944.4	09-Mar-95	46 A	849.6
03U021	944.4	06-Sep-95	48 A	849.0
03U022	899.3	08-Oct-92	37 A	857.4
03U022	899.3	01-Mar-93	38 F	858.4
03U022	899.3	02-Mar-93	38 A	858.5
03U022	899.3	10-Sep-93	40 A	860.0
03U022	899.3	01-Mar-94	42 A	861.4
03U022	899.3	08-Mar-94	42 F	861.3
03U022	899.3	02-Sep-94	44 A	859.8
03U022	899.3	09-Mar-95	46 A	860.3
03U022	899.3	06-Sep-95	48 A	859.6
03U023	899.5	08-Oct-92	37 A	857.1
03U023	899.5	02-Mar-93	38 A	858.2
03U023	899.5	02-Mar-93	38 F	858.2
03U023	899.5	10-Sep-93	40 A	859.7
03U023	899.5	01-Mar-94	42 A	861.1
03U023	899.5	07-Mar-94	42 F	861.2
03U023	899.5	02-Sep-94	44 A	859.4
03U023	899.5	09-Mar-95	46 A	859.9
03U023	899.5	16-Mar-95	46 F	860.2
03U023	899.5	06-Sep-95	48 A	859.1
03U024	894.7	08-Oct-92	37 A	855.7
03U024	894.7	02-Mar-93	38 A	856.9
03U024	894.7	02-Mar-93	38 F	856.8
03U024	894.7	10-Sep-93	40 A	858.3
03U024	894.7	01-Mar-94	42 A	859.8
03U024	894.7	16-Mar-94	42 F	860.1
03U024	894.7	02-Sep-94	44 A	858.3
03U024	894.7	09-Mar-95	46 A	858.7
03U024	894.7	06-Sep-95	48 A	858.0
03U025	887.0	08-Oct-92	37 A	853.5
03U025	887.0	02-Mar-93	38 A	854.6
03U025	887.0	02-Mar-93	38 F	854.5
03U025	887.0	10-Sep-93	40 A	856.0
03U025	887.0	01-Mar-94	42 A	857.6
03U025	887.0	16-Mar-94	42 F	858.1
03U025	887.0	02-Sep-94	44 A	856.1
03U025	887.0	09-Mar-95	46 A	856.3
03U025	887.0	06-Sep-95	48 A	855.6
03U026	975.1	09-Mar-93	38 F	853.6
03U026	975.1	16-Mar-94	42 F	857.2
03U026	975.1	13-Mar-95	46 F	856.3
03U027	966.5	08-Oct-92	37 A	849.5
03U027	966.5	02-Mar-93	38 A	850.4
03U027	966.5	10-Sep-93	40 A	851.6
03U027	966.5	01-Mar-94	42 A	853.4
03U027	966.5	02-Sep-94	44 A	852.4
03U027	966.5	09-Mar-95	46 A	852.3
03U027	966.5	06-Sep-95	48 A	851.6

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U028	957.0	08-Oct-92	37 A	848.7
03U028	957.0	02-Mar-93	38 A	849.6
03U028	957.0	10-Sep-93	40 A	850.7
03U028	957.0	01-Mar-94	42 A	852.6
03U028	957.0	02-Sep-94	44 A	851.6
03U028	957.0	09-Mar-95	46 A	851.6
03U028	957.0	06-Sep-95	48 A	850.8
03U029	956.9	08-Oct-92	37 A	846.9
03U029	956.9	02-Mar-93	38 A	847.7
03U029	956.9	10-Sep-93	40 A	848.9
03U029	956.9	01-Mar-94	42 A	851.0
03U029	956.9	02-Sep-94	44 A	850.0
03U029	956.9	09-Mar-95	46 A	850.0
03U029	956.9	06-Sep-95	48 A	849.2
03U030	958.7	08-Oct-92	37 A	850.4
03U030	958.7	02-Mar-93	38 A	851.1
03U030	958.7	10-Sep-93	40 A	852.2
03U030	958.7	01-Mar-94	42 A	854.2
03U030	958.7	02-Sep-94	44 A	853.2
03U030	958.7	09-Mar-95	46 A	853.3
03U030	958.7	06-Sep-95	48 A	852.4
03U031	898.4	08-Oct-92	37 A	850.1
03U031	898.4	02-Mar-93	38 A	851.1
03U031	898.4	10-Sep-93	40 A	852.5
03U031	898.4	01-Mar-94	42 A	854.1
03U031	898.4	02-Sep-94	44 A	852.8
03U031	898.4	09-Mar-95	46 A	852.9
03U031	898.4	06-Sep-95	48 A	852.4
03U032	1004.1	08-Oct-92	37 A	853.9
03U032	1004.1	02-Mar-93	38 A	854.9
03U032	1004.1	04-Mar-93	38 F	854.8
03U032	1004.1	08-Sep-93	40 F	856.4
03U032	1004.1	10-Sep-93	40 A	856.2
03U032	1004.1	01-Mar-94	42 A	857.9
03U032	1004.1	15-Mar-94	42 F	858.4
03U032	1004.1	02-Sep-94	44 A	856.8
03U032	1004.1	08-Sep-94	44 F	857.3
03U032	1004.1	09-Mar-95	46 A	857.0
03U032	1004.1	06-Sep-95	48 A	856.3
03U075	884.6	08-Oct-92	37 A	840.7
03U075	884.6	02-Mar-93	38 A	847.9
03U075	884.6	10-Sep-93	40 A	849.4
03U075	884.6	01-Mar-94	42 A	850.9
03U075	884.6	02-Sep-94	44 A	849.3
03U075	884.6	09-Mar-95	46 A	849.0
03U075	884.6	06-Sep-95	48 A	848.4
03U076	888.7	08-Oct-92	37 A	845.1
03U076	888.7	02-Mar-93	38 A	846.2
03U076	888.7	10-Sep-93	40 A	847.7
03U076	888.7	01-Mar-94	42 A	849.3
03U076	888.7	02-Sep-94	44 A	847.6
03U076	888.7	09-Mar-95	46 A	847.2
03U076	888.7	06-Sep-95	48 A	846.6
03U077	912.5	08-Oct-92	37 A	843.5
03U077	912.5	02-Mar-93	38 A	844.4
03U077	912.5	10-Sep-93	40 A	845.7
03U077	912.5	01-Mar-94	42 A	847.5
03U077	912.5	02-Sep-94	44 A	846.0
03U077	912.5	09-Mar-95	46 A	845.9
03U077	912.5	06-Sep-95	48 A	845.4
03U078	927.2	08-Oct-92	37 A	843.1
03U078	927.2	02-Mar-93	38 A	844.1
03U078	927.2	10-Sep-93	40 A	845.5
03U078	927.2	01-Mar-94	42 A	847.6
03U078	927.2	02-Sep-94	44 A	846.7
03U078	927.2	09-Mar-95	46 A	846.5

TABLE II - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U078	927.2	06-Sep-95	48 A	846.4
03U079	923.4	08-Oct-92	37 A	843.0
03U079	923.4	02-Mar-93	38 A	843.7
03U079	923.4	10-Sep-93	40 A	845.2
03U079	923.4	01-Mar-94	42 A	847.0
03U079	923.4	02-Sep-94	44 A	845.8
03U079	923.4	09-Mar-95	46 A	845.7
03U079	923.4	06-Sep-95	48 A	845.4
03U082	898.4	08-Oct-92	37 A	859.8
03U082	898.4	01-Mar-93	38 F	860.9
03U082	898.4	02-Mar-93	38 A	860.9
03U082	898.4	10-Sep-93	40 A	862.5
03U082	898.4	01-Mar-94	42 A	863.7
03U082	898.4	09-Mar-94	42 F	863.9
03U082	898.4	02-Sep-94	44 A	862.1
03U082	898.4	09-Mar-95	46 A	862.8
03U082	898.4	06-Sep-95	48 A	862.0
03U083	891.3	08-Oct-92	37 A	853.1
03U083	891.3	02-Mar-93	38 A	854.1
03U083	891.3	05-Mar-93	38 F	859.1
03U083	891.3	10-Sep-93	40 A	855.5
03U083	891.3	01-Mar-94	42 A	857.1
03U083	891.3	16-Mar-94	42 F	857.0
03U083	891.3	02-Sep-94	44 A	855.8
03U083	891.3	09-Mar-95	46 A	856.0
03U083	891.3	06-Sep-95	48 A	855.4
03U084	898.4	08-Oct-92	37 A	843.8
03U084	898.4	02-Mar-93	38 A	844.8
03U084	898.4	10-Sep-93	40 A	846.1
03U084	898.4	01-Mar-94	42 A	847.8
03U084	898.4	02-Sep-94	44 A	846.4
03U084	898.4	09-Mar-95	46 A	846.2
03U084	898.4	06-Sep-95	48 A	845.7
03U087	1004.1	08-Oct-92	37 A	854.2
03U087	1004.1	02-Mar-93	38 A	875.2
03U087	1004.1	04-Mar-93	38 F	855.2
03U087	1004.1	10-Sep-93	40 A	856.5
03U087	1004.1	01-Mar-94	42 A	858.2
03U087	1004.1	15-Mar-94	42 F	858.2
03U087	1004.1	02-Sep-94	44 A	857.1
03U087	1004.1	09-Mar-95	46 A	857.3
03U087	1004.1	06-Sep-95	48 A	856.6
03U088	983.7	08-Oct-92	37 A	854.7
03U088	983.7	02-Mar-93	38 A	855.7
03U088	983.7	02-Mar-93	38 F	855.7
03U088	983.7	10-Sep-93	40 A	857.1
03U088	983.7	01-Mar-94	42 A	858.7
03U088	983.7	14-Mar-94	42 F	858.8
03U088	983.7	02-Sep-94	44 A	857.5
03U088	983.7	09-Mar-95	46 A	857.8
03U088	983.7	06-Sep-95	48 A	857.1
03U089	973.0	08-Oct-92	37 A	854.6
03U089	973.0	02-Mar-93	38 A	855.6
03U089	973.0	03-Mar-93	38 F	855.6
03U089	973.0	10-Sep-93	40 A	857.0
03U089	973.0	01-Mar-94	42 A	858.6
03U089	973.0	14-Mar-94	42 F	859.1
03U089	973.0	02-Sep-94	44 A	857.5
03U089	973.0	09-Mar-95	46 A	857.7
03U089	973.0	06-Sep-95	48 A	857.0
03U090	982.2	08-Oct-92	37 A	853.1
03U090	982.2	02-Mar-93	38 A	854.0
03U090	982.2	04-Mar-93	38 F	854.5
03U090	982.2	10-Sep-93	40 A	855.3
03U090	982.2	01-Mar-94	42 A	857.0
03U090	982.2	16-Mar-94	42 F	857.1
03U090	982.2	02-Sep-94	44 A	856.0
03U090	982.2	09-Mar-95	46 A	856.1
03U090	982.2	06-Sep-95	48 A	855.3
03U092	960.4	08-Oct-92	37 A	852.0
03U092	960.4	02-Mar-93	38 A	852.9
03U092	960.4	10-Mar-93	38 F	852.4
03U092	960.4	08-Sep-93	40 F	854.2
03U092	960.4	10-Sep-93	40 A	854.1
03U092	960.4	01-Mar-94	42 A	855.9
03U092	960.4	16-Mar-94	42 F	855.9
03U092	960.4	02-Sep-94	44 A	855.0
03U092	960.4	08-Sep-94	44 F	854.9
03U092	960.4	09-Mar-95	46 A	855.0
03U092	960.4	06-Sep-95	48 A	854.2
03U093	993.6	08-Oct-92	37 A	852.0
03U093	993.6	02-Mar-93	38 A	852.9
03U093	993.6	10-Sep-93	40 A	854.2
03U093	993.6	01-Mar-94	42 A	856.0
03U093	993.6	02-Sep-94	44 A	855.0
03U093	993.6	09-Mar-95	46 A	855.1
03U093	993.6	06-Sep-95	48 A	854.4
03U094	997.0	08-Oct-92	37 A	852.3
03U094	997.0	02-Mar-93	38 A	853.0
03U094	997.0	10-Sep-93	40 A	854.3
03U094	997.0	01-Mar-94	42 A	856.0
03U094	997.0	02-Sep-94	44 A	855.2
03U094	997.0	09-Mar-95	46 A	855.2
03U094	997.0	06-Sep-95	48 A	854.4
03U096	994.4	08-Oct-92	37 A	852.1
03U096	994.4	02-Mar-93	38 A	853.0
03U096	994.4	10-Sep-93	40 A	854.3
03U096	994.4	01-Mar-94	42 A	856.1
03U096	994.4	02-Sep-94	44 A	854.9
03U096	994.4	09-Mar-95	46 A	855.1
03U096	994.4	06-Sep-95	48 A	854.4
03U097	937.4	03-Mar-93	38 F	860.9
03U097	937.4	14-Mar-94	42 F	864.1
03U097	937.4	09-Mar-95	46 F	863.2
03U099	952.3	03-Mar-93	38 F	854.0
03U099	952.3	14-Mar-94	42 F	857.8
03U099	952.3	09-Mar-95	46 F	856.5
03U111	924.7	08-Oct-92	37 A	859.8
03U111	924.7	02-Mar-93	38 A	861.0
03U111	924.7	02-Mar-93	38 F	861.0
03U111	924.7	10-Sep-93	40 A	862.5
03U111	924.7	01-Mar-94	42 A	863.9
03U111	924.7	11-Mar-94	42 F	864.0
03U111	924.7	02-Sep-94	44 A	862.4
03U111	924.7	09-Mar-95	46 A	863.2
03U111	924.7	06-Sep-95	48 A	862.3
03U112	978.1	08-Oct-92	37 A	853.5
03U112	978.1	02-Mar-93	38 A	854.4
03U112	978.1	08-Mar-93	38 F	854.3
03U112	978.1	10-Sep-93	40 A	855.7
03U112	978.1	01-Mar-94	42 A	857.4
03U112	978.1	16-Mar-94	42 F	857.4
03U112	978.1	02-Sep-94	44 A	856.5
03U112	978.1	12-Sep-94	44 F	856.4
03U112	978.1	09-Mar-95	46 A	856.6
03U112	978.1	06-Sep-95	48 A	855.8
03U113	974.2	08-Oct-92	37 A	854.0
03U113	974.2	02-Mar-93	38 A	854.9
03U113	974.2	03-Mar-93	38 F	854.8
03U113	974.2	10-Sep-93	40 A	856.2
03U113	974.2	01-Mar-94	42 A	857.9

TABLE II - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U113	974.2	15-Mar-94	42 F	858.3
03U113	974.2	02-Sep-94	44 A	856.9
03U113	974.2	09-Mar-95	46 A	857.1
03U113	974.2	06-Sep-95	48 A	856.3
03U114	973.1	05-Mar-93	38 F	853.9
03U114	973.1	08-Sep-93	40 F	855.3
03U114	973.1	16-Mar-94	42 F	856.9
03U114	973.1	08-Sep-94	44 F	856.0
03U114	973.1	13-Mar-95	46 F	856.0
03U114	973.1	08-Sep-95	48 F	855.3
03U121	970.5	08-Mar-93	38 F	854.4
03U121	970.5	16-Mar-94	42 F	857.5
03U121	970.5	12-Sep-94	44 F	856.5
03U121	970.5	22-Mar-95	46 F	856.6
03U124	1004.5	04-Mar-93	38 F	855.0
03U124	1004.5	08-Sep-93	40 F	856.6
03U124	1004.5	14-Mar-94	42 F	858.9
03U124	1004.5	08-Sep-94	44 F	857.7
03U124	1004.5	17-Mar-95	46 F	857.8
03U124	1004.5	12-Sep-95	48 F	856.5
03U129	911.1	02-Mar-93	38 F	861.8
03U129	911.1	11-Mar-94	42 F	864.7
03U129	911.1	08-Mar-95	46 F	863.7
03U301	955.0	08-Oct-92	37 A	829.3
03U301	955.0	02-Mar-93	38 A	829.8
03U301	955.0	10-Sep-93	40 A	839.7
03U301	955.0	01-Mar-94	42 A	838.3
03U301	955.0	02-Sep-94	44 A	839.1
03U301	955.0	09-Mar-95	46 A	836.3
03U301	955.0	06-Sep-95	48 A	836.9
03U314	975.9	08-Oct-92	37 A	845.0
03U314	975.9	02-Mar-93	38 A	846.5
03U314	975.9	10-Sep-93	40 A	844.2
03U314	975.7	01-Mar-94	42 A	848.5
03U314	975.7	02-Sep-94	44 A	846.3
03U314	975.7	09-Mar-95	46 A	850.4
03U314	975.7	06-Sep-95	48 A	846.4
03U315	963.1	08-Oct-92	37 A	828.3
03U315	963.1	02-Mar-93	38 A	845.1
03U315	963.1	10-Sep-93	40 A	845.6
03U315	963.0	01-Mar-94	42 A	853.9
03U315	963.0	02-Sep-94	44 A	840.7
03U315	963.0	09-Mar-95	46 A	840.0
03U315	963.0	06-Sep-95	48 A	837.0
03U316	954.6	08-Oct-92	37 A	843.1
03U316	954.6	02-Mar-93	38 A	836.8
03U316	954.6	10-Sep-93	40 A	841.7
03U316	954.5	01-Mar-94	42 A	844.8
03U316	954.5	02-Sep-94	44 A	844.6
03U316	954.5	09-Mar-95	46 A	840.7
03U316	954.5	06-Sep-95	48 A	837.3
03U317	950.4	08-Oct-92	37 A	843.6
03U317	950.4	02-Mar-93	38 A	844.9
03U317	950.4	10-Sep-93	40 A	844.8
03U317	950.2	01-Mar-94	42 A	848.3
03U317	950.2	02-Sep-94	44 A	844.0
03U317	950.2	09-Mar-95	46 A	842.1
03U317	950.2	06-Sep-95	48 A	839.4
03U521	1004.6	02-Mar-93	38 F	855.5
03U521	1004.6	15-Mar-94	42 F	858.2
03U521	1004.6	08-Mar-95	46 F	857.2
03U647	961.3	08-Oct-92	37 A	849.8
03U647	961.3	02-Mar-93	38 A	850.6
03U647	961.3	10-Sep-93	40 A	851.7
03U647	961.3	01-Mar-94	42 A	853.9
03U647	961.3	02-Sep-94	44 A	853.0
03U647	961.3	09-Mar-95	46 A	852.7
03U647	961.3	06-Sep-95	48 A	851.9
03U648	959.8	08-Oct-92	37 A	850.1
03U648	959.8	02-Mar-93	38 A	850.9
03U648	959.8	10-Sep-93	40 A	852.0
03U648	959.8	01-Mar-94	42 A	853.9
03U648	959.8	02-Sep-94	44 A	852.9
03U648	959.8	09-Mar-95	46 A	853.0
03U648	959.8	06-Sep-95	48 A	852.1
03U658	963.0	08-Oct-92	37 A	850.9
03U658	963.0	02-Mar-93	38 A	851.6
03U658	963.0	10-Sep-93	40 A	852.8
03U658	963.0	01-Mar-94	42 A	854.6
03U658	963.0	02-Sep-94	44 A	853.7
03U658	963.0	09-Mar-95	46 A	853.7
03U658	963.0	06-Sep-95	48 A	852.9
03U659	956.5	08-Oct-92	37 A	848.4
03U659	956.5	02-Mar-93	38 A	849.2
03U659	956.5	10-Sep-93	40 A	850.3
03U659	956.5	01-Mar-94	42 A	852.3
03U659	956.5	02-Sep-94	44 A	851.4
03U659	956.5	09-Mar-95	46 A	851.3
03U659	956.5	06-Sep-95	48 A	850.5
03U671	930.4	08-Oct-92	37 A	845.4
03U671	930.4	02-Mar-93	38 A	846.2
03U671	930.4	10-Sep-93	40 A	847.5
03U671	930.4	01-Mar-94	42 A	849.5
03U671	930.4	02-Sep-94	44 A	848.5
03U671	930.4	09-Mar-95	46 A	848.2
03U671	930.4	06-Sep-95	48 A	847.9
03U672	923.1	08-Oct-92	37 A	847.8
03U672	923.1	02-Mar-93	38 A	848.4
03U672	923.1	10-Sep-93	40 A	849.5
03U672	923.1	01-Mar-94	42 A	851.4
03U672	923.1	02-Sep-94	44 A	850.5
03U672	923.1	09-Mar-95	46 A	850.6
03U672	923.1	06-Sep-95	48 A	850.0
03U673	897.2	08-Oct-92	37 A	840.8
03U673	897.2	02-Mar-93	38 A	841.5
03U673	897.2	10-Sep-93	40 A	842.7
03U673	897.2	01-Mar-94	42 A	844.2
03U673	897.2	30-Mar-94	42 A	843.8
03U673	897.2	31-Mar-94	42 A	844.2
03U673	897.2	10-Apr-94	43 A	844.0
03U673	897.2	17-Apr-94	43 A	843.8
03U673	897.2	18-Apr-94	43 A	844.6
03U673	897.2	18-Apr-94	43 A	844.6
03U673	897.2	18-Apr-94	43 A	844.6
03U673	897.2	19-Apr-94	43 A	844.0
03U673	897.2	20-Apr-94	43 A	843.9
03U673	897.2	21-Apr-94	43 A	843.9
03U673	897.2	22-Apr-94	43 A	844.0
03U673	897.2	25-Apr-94	43 A	844.6
03U673	897.2	26-Apr-94	43 A	844.8
03U673	897.2	28-Apr-94	43 A	843.8
03U673	897.2	29-Apr-94	43 A	843.8
03U673	897.2	02-May-94	43 A	844.1
03U673	897.2	09-May-94	43 A	844.3
03U673	897.2	16-May-94	43 A	843.9
03U673	897.2	23-May-94	43 A	844.3
03U673	897.2	20-Jun-94	43 A	843.9
03U673	897.2	19-Jul-94	44 A	844.9
03U673	897.2	02-Sep-94	44 A	843.9
03U673	897.2	10-Oct-94	45 A	843.0
03U673	897.2	10-Oct-94	45 A	843.0

TABLE II - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U673	897.2	27-Jan-95	46 A	843.4
03U673	897.2	06-Mar-95	46 A	843.3
03U673	897.2	09-Mar-95	46 A	843.3
03U673	897.2	21-Jun-95	47 A	843.6
03U673	897.2	05-Sep-95	48 A	842.5
03U673	897.2	06-Sep-95	48 A	842.6
03U674	955.1	08-Oct-92	37 A	847.0
03U674	955.1	02-Mar-93	38 A	847.8
03U674	955.1	10-Sep-93	40 A	849.0
03U674	955.1	01-Mar-94	42 A	851.1
03U674	955.1	02-Sep-94	44 A	850.2
03U674	955.1	09-Mar-95	46 A	850.1
03U674	955.1	06-Sep-95	48 A	849.3
03U701	908.7	08-Oct-92	37 A	843.0
03U701	908.7	02-Mar-93	38 A	844.0
03U701	908.7	10-Sep-93	40 A	845.3
03U701	908.7	01-Mar-94	42 A	847.0
03U701	908.7	02-Sep-94	44 A	845.5
03U701	908.7	09-Mar-95	46 A	845.3
03U701	908.7	06-Sep-95	48 A	844.8
03U702	908.1	08-Oct-92	37 A	842.6
03U702	908.1	02-Mar-93	38 A	843.6
03U702	908.1	10-Sep-93	40 A	844.9
03U702	908.1	01-Mar-94	42 A	846.6
03U702	908.1	02-Sep-94	44 A	845.0
03U702	908.1	09-Mar-95	46 A	844.8
03U702	908.1	06-Sep-95	48 A	844.4
03U703	918.7	08-Oct-92	37 A	842.7
03U703	918.7	02-Mar-93	38 A	843.6
03U703	918.7	10-Sep-93	40 A	845.0
03U703	918.7	01-Mar-94	42 A	846.9
03U703	918.7	02-Sep-94	44 A	846.1
03U703	918.7	09-Mar-95	46 A	845.9
03U703	918.7	06-Sep-95	48 A	845.8
03U704	976.4	08-Oct-92	37 A	856.0
03U704	976.4	02-Mar-93	38 A	857.0
03U704	976.4	10-Sep-93	40 A	858.4
03U704	976.4	01-Mar-94	42 A	860.0
03U704	976.4	02-Sep-94	44 A	858.8
03U704	976.4	09-Mar-95	46 A	859.1
03U704	976.4	06-Sep-95	48 A	858.4
03U705	1047.2	08-Oct-92	37 A	856.5
03U705	1047.2	02-Mar-93	38 A	857.5
03U705	1047.2	10-Sep-93	40 A	858.8
03U705	1047.2	01-Mar-94	42 A	860.6
03U705	1047.2	02-Sep-94	44 A	859.3
03U705	1047.2	09-Mar-95	46 A	859.7
03U705	1047.2	06-Sep-95	48 A	858.8
03U706	918.3	08-Oct-92	37 A	856.2
03U706	918.3	02-Mar-93	38 A	857.3
03U706	918.3	10-Sep-93	40 A	858.7
03U706	918.3	01-Mar-94	42 A	860.2
03U706	918.3	02-Sep-94	44 A	858.9
03U706	918.3	09-Mar-95	46 A	859.3
03U706	918.3	06-Sep-95	48 A	858.4
03U707	916.1	08-Oct-92	37 A	856.8
03U707	916.1	02-Mar-93	38 A	857.9
03U707	916.1	10-Sep-93	40 A	859.4
03U707	916.1	01-Mar-94	42 A	860.8
03U707	916.1	02-Sep-94	44 A	859.4
03U707	916.1	09-Mar-95	46 A	859.9
03U707	916.1	06-Sep-95	48 A	858.9
03U708	919.8	08-Oct-92	37 A	844.8
03U708	919.8	02-Mar-93	38 A	845.7
03U708	919.8	10-Sep-93	40 A	847.0
03U708	919.8	01-Mar-94	42 A	848.9
03U708	919.8	02-Sep-94	44 A	847.8
03U708	919.8	09-Mar-95	46 A	847.6
03U708	919.8	06-Sep-95	48 A	847.3
03U709	910.1	08-Oct-92	37 A	844.0
03U709	910.1	02-Mar-93	38 A	844.9
03U709	910.1	10-Sep-93	40 A	846.3
03U709	910.1	01-Mar-94	42 A	848.0
03U709	910.1	02-Sep-94	44 A	846.7
03U709	910.1	09-Mar-95	46 A	846.6
03U709	910.1	06-Sep-95	48 A	846.1
03U710	944.7	08-Oct-92	37 A	845.1
03U710	944.7	02-Mar-93	38 A	845.9
03U710	944.7	10-Sep-93	40 A	847.1
03U710	944.7	01-Mar-94	42 A	849.0
03U710	944.7	02-Sep-94	44 A	848.1
03U710	944.7	09-Mar-95	46 A	847.9
03U710	944.7	06-Sep-95	48 A	847.6
03U711	906.9	08-Oct-92	37 A	843.4
03U711	906.9	02-Mar-93	38 A	844.3
03U711	906.9	10-Sep-93	40 A	845.7
03U711	906.9	01-Mar-94	42 A	847.3
03U711	906.9	02-Sep-94	44 A	846.0
03U711	906.9	09-Mar-95	46 A	846.0
03U711	906.9	06-Sep-95	48 A	845.4
03U715	961.0	08-Oct-92	37 A	851.0
03U715	961.0	02-Mar-93	38 A	851.8
03U715	961.0	10-Sep-93	40 A	853.0
03U715	961.0	01-Mar-94	42 A	854.8
03U715	961.0	02-Sep-94	44 A	853.9
03U715	961.0	09-Mar-95	46 A	853.9
03U715	961.0	06-Sep-95	48 A	853.1
03U716	950.1	08-Oct-92	37 A	849.7
03U716	950.1	02-Mar-93	38 A	850.5
03U716	950.1	10-Sep-93	40 A	851.9
03U716	950.1	01-Mar-94	42 A	853.7
03U716	950.1	02-Sep-94	44 A	852.5
03U716	950.1	09-Mar-95	46 A	652.6
03U716	950.1	06-Sep-95	48 A	851.9
03U801	912.2	08-Oct-92	37 A	843.9
03U801	912.2	02-Mar-93	38 A	844.6
03U801	912.2	10-Sep-93	40 A	846.0
03U801	912.2	01-Mar-94	42 A	847.6
03U801	912.2	02-Sep-94	44 A	846.6
03U801	912.2	09-Mar-95	46 A	846.6
03U801	912.2	06-Sep-95	48 A	846.0
03U803	898.1	08-Oct-92	37 A	843.1
03U803	898.1	02-Mar-93	38 A	843.8
03U803	898.1	10-Sep-93	40 A	845.1
03U803	898.1	01-Mar-94	42 A	846.5
03U803	898.1	02-Sep-94	44 A	845.5
03U803	898.1	12-Sep-94	44 F	845.5
03U803	898.1	09-Mar-95	46 A	845.7
03U803	898.1	06-Sep-95	48 A	845.1
03U804	910.1	08-Oct-92	37 A	843.5
03U804	910.1	02-Mar-93	38 A	844.3
03U804	910.1	10-Sep-93	40 A	845.8
03U804	910.1	01-Mar-94	42 A	847.3
03U804	910.1	02-Sep-94	44 A	846.1
03U804	910.1	09-Mar-95	46 A	846.1
03U804	910.1	06-Sep-95	48 A	845.4
03U805	905.3	08-Oct-92	37 A	842.0
03U805	905.3	02-Mar-93	38 A	842.9
03U805	905.3	10-Sep-93	40 A	844.3
03U805	905.3	01-Mar-94	42 A	845.9

TABLE II - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
03U805	905.3	02-Sep-94	44 A	844.4
03U805	905.3	09-Mar-95	46 A	844.5
03U805	905.3	06-Sep-95	48 A	843.8
03U806	909.6	08-Oct-92	37 A	842.3
03U806	909.6	02-Mar-93	38 A	843.3
03U806	909.6	10-Sep-93	40 A	844.6
03U806	909.6	01-Mar-94	42 A	846.2
03U806	909.6	02-Sep-94	44 A	844.8
03U806	909.6	09-Mar-95	46 A	844.7
03U806	909.6	06-Sep-95	48 A	844.1
03U811	908.2	10-Mar-93	38 F	841.5
03U811	908.2	18-Mar-94	42 F	844.9
03U811	908.2	23-Mar-95	46 F	843.0
03U815	872.6	04-Mar-93	38 F	835.3
03U815	872.6	21-Mar-94	42 F	838.4
03U815	872.6	23-Mar-95	46 F	836.8
03U821	878.0	03-Mar-93	38 F	833.3
03U821	878.0	18-Mar-94	42 F	836.8
03U821	878.0	15-Mar-95	46 F	835.2
03U822	876.7	04-Mar-93	38 F	832.8
03U822	876.7	18-Mar-94	42 F	836.2
03U822	876.7	15-Mar-95	46 F	835.6
03U824	879.9	18-Mar-94	42 F	836.0
03U824	879.9	15-Mar-95	46 F	834.5
03U831	888.6	04-Mar-93	38 F	832.8
03U831	888.6	21-Mar-94	42 F	835.4
03U831	888.6	16-Mar-95	46 F	833.8
03U832	884.8	04-Mar-93	38 F	831.9
03U832	884.8	21-Mar-94	42 F	835.6
03U832	884.8	30-Mar-94	42 A	834.7
03U832	884.8	31-Mar-94	42 A	835.1
03U832	884.8	10-Apr-94	43 A	835.0
03U832	884.8	17-Apr-94	43 A	835.0
03U832	884.8	18-Apr-94	43 A	835.4
03U832	884.8	18-Apr-94	43 A	835.5
03U832	884.8	18-Apr-94	43 A	835.5
03U832	884.8	19-Apr-94	43 A	834.9
03U832	884.8	20-Apr-94	43 A	835.0
03U832	884.8	21-Apr-94	43 A	835.1
03U832	884.8	22-Apr-94	43 A	835.2
03U832	884.8	25-Apr-94	43 A	835.4
03U832	884.8	26-Apr-94	43 A	835.4
03U832	884.8	28-Apr-94	43 A	834.8
03U832	884.8	29-Apr-94	43 A	834.8
03U832	884.8	02-May-94	43 A	835.3
03U832	884.8	09-May-94	43 A	835.0
03U832	884.8	16-May-94	43 A	834.4
03U832	884.8	23-May-94	43 A	834.3
03U832	884.8	20-Jun-94	43 A	833.6
03U832	884.8	19-Jul-94	44 A	833.5
03U832	884.8	10-Oct-94	45 A	832.7
03U832	884.8	27-Jan-95	46 A	833.4
03U832	884.8	06-Mar-95	46 A	833.2
03U832	884.8	21-Jun-95	47 A	833.0
03U832	884.8	05-Sep-95	48 A	832.6
03U841	911.5	08-Oct-92	37 A	840.4
03U841	911.5	02-Mar-93	38 A	841.3
03U841	911.5	10-Sep-93	40 A	842.5
03U841	911.5	01-Mar-94	42 A	842.8
03U841	911.5	02-Sep-94	44 A	841.3
04J077	912.3	08-Oct-92	37 A	839.4
04J077	912.3	02-Mar-93	38 A	840.2
04J077	912.3	10-Sep-93	40 A	841.4
04J077	912.3	01-Mar-94	42 A	843.1
04J077	912.3	02-Sep-94	44 A	841.7
04J077	912.3	09-Mar-95	46 A	841.4
04J077	912.3	06-Sep-95	48 A	840.7
04J702	908.3	08-Oct-92	37 A	841.6
04J702	908.3	02-Mar-93	38 A	842.5
04J702	908.3	10-Sep-93	40 A	843.8
04J702	908.3	01-Mar-94	42 A	845.5
04J702	908.3	02-Sep-94	44 A	843.9
04J702	908.3	09-Mar-95	46 A	843.6
04J702	908.3	06-Sep-95	48 A	843.1
04J708	919.2	08-Oct-92	37 A	843.0
04J708	919.2	02-Mar-93	38 A	843.9
04J708	919.2	10-Sep-93	40 A	845.0
04J708	919.2	01-Mar-94	42 A	846.7
04J708	919.2	02-Sep-94	44 A	845.3
04J708	919.2	09-Mar-95	46 A	845.1
04J708	919.2	06-Sep-95	48 A	844.5
04J713	895.9	08-Oct-92	37 A	841.4
04J713	895.9	02-Mar-93	38 A	842.4
04J713	895.9	10-Sep-93	40 A	844.0
04J713	895.9	01-Mar-94	42 A	845.5
04J713	895.9	02-Sep-94	44 A	844.2
04J713	895.9	09-Mar-95	46 A	842.9
04J713	895.9	06-Sep-95	48 A	842.7
04J714	891.6	08-Oct-92	37 A	842.6
04J714	891.6	02-Mar-93	38 A	843.7
04J714	891.6	10-Sep-93	40 A	845.1
04J714	891.6	01-Mar-94	42 A	847.1
04J714	891.6	02-Sep-94	44 A	845.0
04J714	891.6	09-Mar-95	46 A	844.5
04J714	891.6	06-Sep-95	48 A	844.2
04J834	946.1	23-Mar-94	42 F	805.4
04J834	946.1	12-Sep-94	44 F	800.6
04J834	946.1	27-Mar-95	46 F	807.5
04J834	946.1	11-Sep-95	48 F	800.9
04J835	940.4	23-Mar-94	42 F	805.9
04J835	940.4	12-Sep-94	44 F	798.4
04J835	940.4	27-Mar-95	46 F	805.6
04J835	940.4	12-Sep-95	48 F	796.9
04J864	906.2	30-Mar-94	42 A	827.8
04J864	906.2	31-Mar-94	42 A	828.0
04J864	906.2	10-Apr-94	43 A	828.5
04J864	906.2	17-Apr-94	43 A	829.2
04J864	906.2	18-Apr-94	43 A	829.2
04J864	906.2	18-Apr-94	43 A	829.4
04J864	906.2	18-Apr-94	43 A	829.5
04J864	906.2	19-Apr-94	43 A	828.3
04J864	906.2	20-Apr-94	43 A	828.5
04J864	906.2	21-Apr-94	43 A	828.5
04J864	906.2	22-Apr-94	43 A	828.3
04J864	906.2	25-Apr-94	43 A	828.5
04J864	906.2	26-Apr-94	43 A	828.3
04J864	906.2	28-Apr-94	43 A	828.3
04J864	906.2	29-Apr-94	43 A	827.9
04J864	906.2	02-May-94	43 A	828.5
04J864	906.2	09-May-94	43 A	828.8
04J864	906.2	16-May-94	43 A	827.3
04J864	906.2	23-May-94	43 A	826.5
04J864	906.2	20-Jun-94	43 A	825.5
04J864	906.2	19-Jul-94	44 A	825.9
04J864	906.2	10-Oct-94	45 A	825.0
04J864	906.2	27-Jan-95	46 A	826.8
04J864	906.2	06-Mar-95	46 A	826.9
04J864	906.2	21-Jun-95	47 A	824.2
04J864	906.2	05-Sep-95	48 A	824.8
04J866	908.5	30-Mar-94	42 A	828.5

TABLE II - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
04J866	908.5	31-Mar-94	42 A	828.7
04J866	908.5	10-Apr-94	43 A	829.1
04J866	908.5	17-Apr-94	43 A	829.9
04J866	908.5	18-Apr-94	43 A	829.8
04J866	908.5	18-Apr-94	43 A	830.1
04J866	908.5	18-Apr-94	43 A	830.2
04J866	908.5	19-Apr-94	43 A	828.9
04J866	908.5	20-Apr-94	43 A	829.2
04J866	908.5	21-Apr-94	43 A	829.2
04J866	908.5	22-Apr-94	43 A	829.2
04J866	908.5	25-Apr-94	43 A	829.1
04J866	908.5	26-Apr-94	43 A	828.8
04J866	908.5	28-Apr-94	43 A	829.0
04J866	908.5	29-Apr-94	43 A	828.5
04J866	908.5	02-May-94	43 A	829.2
04J866	908.5	09-May-94	43 A	829.5
04J866	908.5	16-May-94	43 A	827.9
04J866	908.5	23-May-94	43 A	827.3
04J866	908.5	20-Jun-94	43 A	826.3
04J866	908.5	19-Jul-94	44 A	826.7
04J866	908.5	10-Oct-94	45 A	825.7
04J866	908.5	27-Jan-95	46 A	827.5
04J866	908.5	06-Mar-95	46 A	827.6
04J866	908.5	21-Jun-95	47 A	825.1
04J866	908.5	05-Sep-95	48 A	825.6
04J882	884.8	23-Mar-94	42 F	773.3
04J882	884.8	12-Sep-94	44 F	745.4
04J882	884.8	27-Mar-95	46 F	772.1
04J882	884.8	11-Sep-95	48 F	770.0
04U001	888.8	08-Oct-92	37 A	843.1
04U001	888.8	02-Mar-93	38 A	844.3
04U001	888.8	10-Sep-93	40 A	845.7
04U001	888.8	01-Mar-94	42 A	847.5
04U001	888.8	02-Sep-94	44 A	845.6
04U001	888.8	09-Mar-95	46 A	845.2
04U001	888.8	06-Sep-95	48 A	844.8
04U002	920.4	08-Oct-92	37 A	843.4
04U002	920.4	02-Mar-93	38 A	844.3
04U002	920.4	10-Sep-93	40 A	845.5
04U002	920.4	01-Mar-94	42 A	847.2
04U002	920.4	02-Sep-94	44 A	845.7
04U002	920.4	09-Mar-95	46 A	845.5
04U002	920.4	06-Sep-95	48 A	844.9
04U003	943.2	08-Oct-92	37 A	844.3
04U003	943.2	02-Mar-93	38 A	845.2
04U003	943.2	10-Sep-93	40 A	846.4
04U003	943.2	01-Mar-94	42 A	848.0
04U003	943.2	02-Sep-94	44 A	846.9
04U003	943.2	09-Mar-95	46 A	847.0
04U003	943.2	06-Sep-95	48 A	846.5
04U007	903.1	08-Oct-92	37 A	854.7
04U007	903.1	02-Mar-93	38 A	855.4
04U007	903.1	02-Mar-93	38 F	855.1
04U007	903.1	10-Sep-93	40 A	856.3
04U007	903.1	01-Mar-94	42 A	858.2
04U007	903.1	11-Mar-94	42 F	858.8
04U007	903.1	02-Sep-94	44 A	856.8
04U007	903.1	09-Mar-95	46 A	857.5
04U007	903.1	06-Sep-95	48 A	857.1
04U007	903.1	08-Sep-95	48 F	856.4
04U012	880.2	08-Oct-92	37 A	856.1
04U012	880.2	02-Mar-93	38 A	857.2
04U012	880.2	10-Sep-93	40 A	858.8
04U012	880.2	01-Mar-94	42 A	860.2
04U012	880.2	02-Sep-94	44 A	858.4
04U012	880.2	09-Mar-95	46 A	859.0
04U012	880.2	06-Sep-95	48 A	857.8
04U020	954.8	08-Oct-92	37 A	848.8
04U020	954.8	02-Mar-93	38 A	849.7
04U020	954.8	10-Sep-93	40 A	851.1
04U020	954.8	01-Mar-94	42 A	852.8
04U020	954.8	02-Sep-94	44 A	851.6
04U020	954.8	09-Mar-95	46 A	851.6
04U020	954.8	06-Sep-95	48 A	850.8
04U027	967.2	08-Oct-92	37 A	847.9
04U027	967.2	02-Mar-93	38 A	848.8
04U027	967.2	10-Sep-93	40 A	849.9
04U027	967.2	01-Mar-94	42 A	851.7
04U027	967.2	02-Sep-94	44 A	850.6
04U027	967.2	09-Mar-95	46 A	850.5
04U027	967.2	06-Sep-95	48 A	849.7
04U077	912.1	08-Oct-92	37 A	841.9
04U077	912.1	02-Mar-93	38 A	842.8
04U077	912.1	10-Sep-93	40 A	844.2
04U077	912.1	01-Mar-94	42 A	845.8
04U077	912.1	02-Sep-94	44 A	844.3
04U077	912.1	09-Mar-95	46 A	844.1
04U077	912.1	06-Sep-95	48 A	843.6
04U510	911.0	08-Oct-92	37 A	862.2
04U510	911.0	02-Mar-93	38 A	863.1
04U510	911.0	02-Mar-93	38 F	866.1
04U510	911.0	10-Sep-93	40 A	865.0
04U510	911.0	01-Mar-94	42 A	865.8
04U510	911.0	11-Mar-94	42 F	868.9
04U510	911.0	02-Sep-94	44 A	864.0
04U510	911.0	09-Mar-95	46 A	865.0
04U510	911.0	06-Sep-95	48 A	864.4
04U673	897.8	08-Oct-92	37 A	839.8
04U673	897.8	02-Mar-93	38 A	840.6
04U673	897.8	10-Sep-93	40 A	841.8
04U673	897.8	01-Mar-94	42 A	843.4
04U673	897.8	30-Mar-94	42 A	843.2
04U673	897.8	31-Mar-94	42 A	843.5
04U673	897.8	10-Apr-94	43 A	843.3
04U673	897.8	17-Apr-94	43 A	843.2
04U673	897.8	18-Apr-94	43 A	844.0
04U673	897.8	18-Apr-94	43 A	844.1
04U673	897.8	18-Apr-94	43 A	844.1
04U673	897.8	19-Apr-94	43 A	843.3
04U673	897.8	20-Apr-94	43 A	843.3
04U673	897.8	21-Apr-94	43 A	843.3
04U673	897.8	22-Apr-94	43 A	843.3
04U673	897.8	25-Apr-94	43 A	843.7
04U673	897.8	26-Apr-94	43 A	843.9
04U673	897.8	28-Apr-94	43 A	843.2
04U673	897.8	29-Apr-94	43 A	843.1
04U673	897.8	02-May-94	43 A	843.4
04U673	897.8	09-May-94	43 A	843.4
04U673	897.8	16-May-94	43 A	843.1
04U673	897.8	23-May-94	43 A	843.3
04U673	897.8	20-Jun-94	43 A	843.0
04U673	897.8	19-Jul-94	44 A	843.9
04U673	897.8	02-Sep-94	44 A	842.0
04U673	897.8	10-Oct-94	45 A	842.4
04U673	897.8	10-Oct-94	45 A	842.4
04U673	897.8	27-Jan-95	46 A	842.9
04U673	897.8	06-Mar-95	46 A	842.7
04U673	897.8	09-Mar-95	46 A	842.2
04U673	897.8	21-Jun-95	47 A	843.5
04U673	897.8	05-Sep-95	48 A	842.0
04U673	897.8	06-Sep-95	48 A	841.5
04U701	908.7	08-Oct-92	37 A	841.3
04U701	908.7	02-Mar-93	38 A	842.1
04U701	908.7	10-Sep-93	40 A	843.4
04U701	908.7	01-Mar-94	42 A	845.1
04U701	908.7	02-Sep-94	44 A	843.6

TABLE II - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
04U701	908.7	09-Mar-95	46 A	843.3
04U701	908.7	06-Sep-95	48 A	842.8
04U702	907.9	08-Oct-92	37 A	842.0
04U702	907.9	02-Mar-93	38 A	843.0
04U702	907.9	10-Sep-93	40 A	844.3
04U702	907.9	01-Mar-94	42 A	845.9
04U702	907.9	02-Sep-94	44 A	844.4
04U702	907.9	09-Mar-95	46 A	844.1
04U702	907.9	06-Sep-95	48 A	843.6
04U708	919.3	08-Oct-92	37 A	843.6
04U708	919.3	02-Mar-93	38 A	844.5
04U708	919.3	10-Sep-93	40 A	845.8
04U708	919.3	01-Mar-94	42 A	847.4
04U708	919.3	02-Sep-94	44 A	846.1
04U708	919.3	09-Mar-95	46 A	845.9
04U708	919.3	06-Sep-95	48 A	845.5
04U709	910.0	08-Oct-92	37 A	842.5
04U709	910.0	02-Mar-93	38 A	843.4
04U709	910.0	10-Sep-93	40 A	844.7
04U709	910.0	01-Mar-94	42 A	846.3
04U709	910.0	02-Sep-94	44 A	844.9
04U709	910.0	09-Mar-95	46 A	844.6
04U709	910.0	06-Sep-95	48 A	844.2
04U711	906.6	08-Oct-92	37 A	842.3
04U711	906.6	02-Mar-93	38 A	843.2
04U711	906.6	10-Sep-93	40 A	844.4
04U711	906.6	01-Mar-94	42 A	846.1
04U711	906.6	02-Sep-94	44 A	844.5
04U711	906.6	09-Mar-95	46 A	844.6
04U711	906.6	06-Sep-95	48 A	844.0
04U713	895.5	08-Oct-92	37 A	844.2
04U713	895.5	02-Mar-93	38 A	845.2
04U713	895.5	10-Sep-93	40 A	846.5
04U713	895.5	01-Mar-94	42 A	848.2
04U713	895.5	02-Sep-94	44 A	846.8
04U713	895.5	09-Mar-95	46 A	846.4
04U713	895.5	06-Sep-95	48 A	845.9
04U714	891.5	08-Oct-92	37 A	842.7
04U714	891.5	02-Mar-93	38 A	843.8
04U714	891.5	10-Sep-93	40 A	845.2
04U714	891.5	01-Mar-94	42 A	847.2
04U714	891.5	02-Sep-94	44 A	845.2
04U714	891.5	09-Mar-95	46 A	844.6
04U714	891.5	06-Sep-95	48 A	844.3
04U802	903.0	08-Oct-92	37 A	843.9
04U802	903.0	02-Mar-93	38 A	844.7
04U802	903.0	10-Sep-93	40 A	845.9
04U802	903.0	01-Mar-94	42 A	847.5
04U802	903.0	02-Sep-94	44 A	846.4
04U802	903.0	09-Mar-95	46 A	846.7
04U802	903.0	06-Sep-95	48 A	846.0
04U806	909.6	08-Oct-92	37 A	841.4
04U806	909.6	02-Mar-93	38 A	842.4
04U806	909.6	10-Sep-93	40 A	843.7
04U806	909.6	01-Mar-94	42 A	845.3
04U806	909.6	02-Sep-94	44 A	843.8
04U806	909.6	09-Mar-95	46 A	843.8
04U806	909.6	06-Sep-95	48 A	843.1
04U821	877.6	03-Mar-93	38 F	833.0
04U821	877.6	09-Sep-93	40 F	834.2
04U821	877.6	18-Mar-94	42 F	836.5
04U821	877.6	12-Sep-94	44 F	834.1
04U821	877.6	15-Mar-95	46 F	834.9
04U821	877.6	12-Sep-95	48 F	834.0
04U832	883.8	12-Mar-93	38 F	831.7
04U832	883.8	30-Mar-94	42 A	834.5
04U832	883.8	31-Mar-94	42 A	834.7
04U832	883.8	10-Apr-94	43 A	834.8
04U832	883.8	17-Apr-94	43 A	835.3
04U832	883.8	18-Apr-94	43 A	835.1
04U832	883.8	18-Apr-94	43 A	835.3
04U832	883.8	18-Apr-94	43 A	835.3
04U832	883.8	19-Apr-94	43 A	834.6
04U832	883.8	20-Apr-94	43 A	834.7
04U832	883.8	21-Apr-94	43 A	834.9
04U832	883.8	22-Apr-94	43 A	835.0
04U832	883.8	25-Apr-94	43 A	835.1
04U832	883.8	26-Apr-94	43 A	835.2
04U832	883.8	28-Apr-94	43 A	834.5
04U832	883.8	29-Apr-94	43 A	834.6
04U832	883.8	02-May-94	43 A	835.0
04U832	883.8	09-May-94	43 A	834.8
04U832	883.8	16-May-94	43 A	834.2
04U832	883.8	23-May-94	43 A	834.0
04U832	883.8	20-Jun-94	43 A	833.2
04U832	883.8	19-Jul-94	44 A	833.1
04U832	883.8	10-Oct-94	45 A	832.4
04U832	883.8	27-Jan-95	46 A	833.1
04U832	883.8	06-Mar-95	46 A	833.1
04U832	883.8	21-Jun-95	47 A	832.6
04U832	883.8	05-Sep-95	48 A	832.3
04U833	908.3	01-Mar-94	42 A	845.2
04U833	908.3	02-Sep-94	44 A	843.6
04U833	908.3	09-Mar-95	46 A	843.4
04U833	908.3	06-Sep-95	48 A	842.7
04U834	945.7	23-Mar-94	42 F	810.8
04U834	945.7	10-Jun-94	43 F	806.5
04U834	945.7	27-Mar-95	46 F	810.7
04U834	945.7	11-Sep-95	48 F	805.0
04U841	911.5	10-Mar-93	38 F	839.8
04U841	911.5	10-Sep-93	40 F	841.9
04U841	911.5	17-Mar-94	42 F	844.6
04U841	911.5	30-Mar-94	42 A	842.6
04U841	911.5	31-Mar-94	42 A	842.9
04U841	911.5	10-Apr-94	43 A	842.7
04U841	911.5	17-Apr-94	43 A	842.5
04U841	911.5	18-Apr-94	43 A	843.4
04U841	911.5	18-Apr-94	43 A	843.5
04U841	911.5	18-Apr-94	43 A	843.5
04U841	911.5	19-Apr-94	43 A	842.6
04U841	911.5	20-Apr-94	43 A	842.6
04U841	911.5	21-Apr-94	43 A	842.6
04U841	911.5	22-Apr-94	43 A	842.7
04U841	911.5	25-Apr-94	43 A	843.0
04U841	911.5	26-Apr-94	43 A	843.2
04U841	911.5	28-Apr-94	43 A	842.5
04U841	911.5	29-Apr-94	43 A	842.4
04U841	911.5	02-May-94	43 A	842.7
04U841	911.5	09-May-94	43 A	842.7
04U841	911.5	16-May-94	43 A	842.4
04U841	911.5	23-May-94	43 A	842.6
04U841	911.5	20-Jun-94	43 A	842.2
04U841	911.5	19-Jul-94	44 A	843.6
04U841	911.5	10-Oct-94	45 A	841.7
04U841	911.5	27-Jan-95	46 A	842.3
04U841	911.5	06-Mar-95	46 A	842.2
04U841	911.5	09-Mar-95	46 A	842.8
04U841	911.5	21-Jun-95	47 A	842.9
04U841	911.5	05-Sep-95	48 A	841.4
04U841	911.5	06-Sep-95	48 A	842.0
04U843	886.1	03-Mar-93	38 F	833.0
04U843	886.1	18-Mar-94	42 F	836.5
04U843	886.1	15-Mar-95	46 F	834.9

TABLE II - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
04U844	884.5	04-Mar-93	38 F	831.5
04U844	884.5	30-Mar-94	42 A	834.4
04U844	884.5	31-Mar-94	42 A	834.7
04U844	884.5	10-Apr-94	43 A	834.7
04U844	884.5	17-Apr-94	43 A	834.8
04U844	884.5	18-Apr-94	43 A	835.1
04U844	884.5	18-Apr-94	43 A	835.2
04U844	884.5	18-Apr-94	43 A	835.2
04U844	884.5	19-Apr-94	43 A	834.5
04U844	884.5	20-Apr-94	43 A	834.6
04U844	884.5	21-Apr-94	43 A	834.8
04U844	884.5	22-Apr-94	43 A	834.8
04U844	884.5	25-Apr-94	43 A	835.0
04U844	884.5	26-Apr-94	43 A	835.0
04U844	884.5	28-Apr-94	43 A	834.4
04U844	884.5	29-Apr-94	43 A	834.5
04U844	884.5	02-May-94	43 A	834.9
04U844	884.5	09-May-94	43 A	834.7
04U844	884.5	16-May-94	43 A	834.1
04U844	884.5	23-May-94	43 A	833.9
04U844	884.5	08-Jun-94	43 F	832.6
04U844	884.5	20-Jun-94	43 A	833.2
04U844	884.5	19-Jul-94	44 A	833.2
04U844	884.5	10-Oct-94	45 A	832.3
04U844	884.5	27-Jan-95	46 A	833.1
04U844	884.5	06-Mar-95	46 A	833.2
04U844	884.5	21-Jun-95	47 A	832.6
04U844	884.5	05-Sep-95	48 A	832.3
04U845	894.5	04-Mar-93	38 F	833.3
04U845	894.5	31-Mar-94	42 A	836.5
04U845	894.5	10-Apr-94	43 A	836.4
04U845	894.5	17-Apr-94	43 A	836.4
04U845	894.5	18-Apr-94	43 A	836.8
04U845	894.5	18-Apr-94	43 A	837.0
04U845	894.5	18-Apr-94	43 A	837.0
04U845	894.5	19-Apr-94	43 A	836.3
04U845	894.5	20-Apr-94	43 A	836.4
04U845	894.5	21-Apr-94	43 A	836.5
04U845	894.5	22-Apr-94	43 A	836.5
04U845	894.5	25-Apr-94	43 A	836.8
04U845	894.5	26-Apr-94	43 A	836.8
04U845	894.5	28-Apr-94	43 A	836.2
04U845	894.5	29-Apr-94	43 A	836.3
04U845	894.5	02-May-94	43 A	836.7
04U845	894.5	09-May-94	43 A	836.5
04U845	894.5	16-May-94	43 A	835.9
04U845	894.5	23-May-94	43 A	835.8
04U845	894.5	20-Jun-94	43 A	835.2
04U845	894.5	19-Jul-94	44 A	835.3
04U845	894.5	10-Oct-94	45 A	834.2
04U845	894.5	27-Jan-95	46 A	835.0
04U845	894.5	06-Mar-95	46 A	835.0
04U845	894.5	21-Jun-95	47 A	834.7
04U845	894.5	05-Sep-95	48 A	834.1
04U846	888.4	04-Mar-93	38 F	828.7
04U846	888.4	21-Mar-94	42 F	832.0
04U846	888.4	30-Mar-94	42 A	831.9
04U846	888.4	31-Mar-94	42 A	832.0
04U846	888.4	10-Apr-94	43 A	832.1
04U846	888.4	17-Apr-94	43 A	832.3
04U846	888.4	18-Apr-94	43 A	831.9
04U846	888.4	18-Apr-94	43 A	832.1
04U846	888.4	18-Apr-94	43 A	832.6
04U846	888.4	19-Apr-94	43 A	831.5
04U846	888.4	20-Apr-94	43 A	832.2
04U846	888.4	21-Apr-94	43 A	832.3
04U846	888.4	22-Apr-94	43 A	832.2
04U846	888.4	25-Apr-94	43 A	832.3
04U846	888.4	26-Apr-94	43 A	832.0
04U846	888.4	28-Apr-94	43 A	831.3
04U846	888.4	29-Apr-94	43 A	831.9
04U846	888.4	02-May-94	43 A	832.2
04U846	888.4	09-May-94	43 A	831.7
04U846	888.4	16-May-94	43 A	831.2
04U846	888.4	23-May-94	43 A	830.9
04U846	888.4	20-Jun-94	43 A	830.1
04U846	888.4	19-Jul-94	44 A	829.7
04U846	888.4	10-Oct-94	45 A	829.4
04U846	888.4	27-Jan-95	46 A	830.1
04U846	888.4	06-Mar-95	46 A	830.2
04U846	888.4	21-Jun-95	47 A	829.4
04U846	888.4	05-Sep-95	48 A	829.2
04U847	914.9	08-Oct-92	37 A	839.9
04U847	914.9	02-Mar-93	38 A	840.9
04U847	914.9	10-Mar-93	38 F	840.8
04U847	914.9	10-Sep-93	40 A	842.2
04U847	914.9	10-Sep-93	40 F	841.8
04U847	914.9	01-Mar-94	42 A	843.8
04U847	914.9	17-Mar-94	42 F	844.2
04U847	914.9	02-Sep-94	44 A	842.2
04U847	914.9	12-Sep-94	44 F	841.8
04U847	914.9	09-Mar-95	46 A	842.4
04U847	914.9	05-Sep-95	48 F	840.2
04U847	914.9	06-Sep-95	48 A	841.6
04U848	902.6	10-Mar-93	38 F	839.5
04U848	902.6	30-Mar-94	42 A	842.2
04U848	902.6	31-Mar-94	42 A	842.6
04U848	902.6	10-Apr-94	43 A	842.4
04U848	902.6	17-Apr-94	43 A	842.2
04U848	902.6	18-Apr-94	43 A	843.1
04U848	902.6	18-Apr-94	43 A	843.1
04U848	902.6	18-Apr-94	43 A	843.2
04U848	902.6	19-Apr-94	43 A	842.3
04U848	902.6	20-Apr-94	43 A	842.3
04U848	902.6	21-Apr-94	43 A	842.3
04U848	902.6	22-Apr-94	43 A	842.4
04U848	902.6	25-Apr-94	43 A	842.8
04U848	902.6	26-Apr-94	43 A	843.0
04U848	902.6	28-Apr-94	43 A	842.2
04U848	902.6	29-Apr-94	43 A	842.2
04U848	902.6	02-May-94	43 A	842.4
04U848	902.6	09-May-94	43 A	842.5
04U848	902.6	16-May-94	43 A	842.1
04U848	902.6	23-May-94	43 A	842.4
04U848	902.6	20-Jun-94	43 A	841.9
04U848	902.6	19-Jul-94	44 A	843.0
04U848	902.6	10-Oct-94	45 A	841.3
04U848	902.6	27-Jan-95	46 A	842.3
04U848	902.6	06-Mar-95	46 A	842.2
04U848	902.6	21-Jun-95	47 A	842.7
04U848	902.6	05-Sep-95	48 A	841.4
04U849	873.0	04-Mar-93	38 F	828.8
04U849	873.0	21-Mar-94	42 F	831.8
04U849	873.0	23-Mar-95	46 F	829.8
04U850	916.8	04-Mar-93	38 F	828.3
04U850	916.8	22-Mar-94	42 F	831.7
04U850	916.8	24-Mar-95	46 F	829.2
04U851	913.4	05-Mar-93	38 F	828.5
04U851	913.4	30-Mar-94	42 A	831.3
04U851	913.4	31-Mar-94	42 A	831.4
04U851	913.4	10-Apr-94	43 A	831.6
04U851	913.4	17-Apr-94	43 A	831.8
04U851	913.4	18-Apr-94	43 A	831.4
04U851	913.4	18-Apr-94	43 A	831.7
04U851	913.4	18-Apr-94	43 A	832.1
04U851	913.4	19-Apr-94	43 A	831.0
04U851	913.4	20-Apr-94	43 A	831.5
04U851	913.4	21-Apr-94	43 A	831.7
04U851	913.4	22-Apr-94	43 A	831.7
04U851	913.4	25-Apr-94	43 A	831.8
04U851	913.4	26-Apr-94	43 A	831.7

TABLE II - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
04U851	913.4	28-Apr-94	43 A	830.8
04U851	913.4	29-Apr-94	43 A	830.9
04U851	913.4	02-May-94	43 A	831.6
04U851	913.4	09-May-94	43 A	831.3
04U851	913.4	16-May-94	43 A	830.6
04U851	913.4	23-May-94	43 A	830.2
04U851	913.4	20-Jun-94	43 A	829.2
04U851	913.4	19-Jul-94	44 A	829.0
04U851	913.4	10-Oct-94	45 A	828.9
04U851	913.4	27-Jan-95	46 A	829.7
04U851	913.4	06-Mar-95	46 A	829.9
04U851	913.4	21-Jun-95	47 A	828.6
04U851	913.4	05-Sep-95	48 A	828.5
04U852	902.9	05-Mar-93	38 F	826.5
04U852	902.9	22-Mar-94	42 F	829.1
04U852	902.9	30-Mar-94	42 A	829.2
04U852	902.9	31-Mar-94	42 A	829.3
04U852	902.9	10-Apr-94	43 A	829.6
04U852	902.9	17-Apr-94	43 A	829.8
04U852	902.9	18-Apr-94	43 A	829.4
04U852	902.9	18-Apr-94	43 A	829.7
04U852	902.9	18-Apr-94	43 A	830.0
04U852	902.9	19-Apr-94	43 A	828.9
04U852	902.9	20-Apr-94	43 A	829.3
04U852	902.9	21-Apr-94	43 A	829.5
04U852	902.9	22-Apr-94	43 A	829.4
04U852	902.9	25-Apr-94	43 A	829.6
04U852	902.9	26-Apr-94	43 A	829.5
04U852	902.9	28-Apr-94	43 A	828.9
04U852	902.9	29-Apr-94	43 A	828.9
04U852	902.9	02-May-94	43 A	829.5
04U852	902.9	09-May-94	43 A	829.3
04U852	902.9	16-May-94	43 A	828.5
04U852	902.9	23-May-94	43 A	827.9
04U852	902.9	20-Jun-94	43 A	Obstructed
04U852	902.9	19-Jul-94	44 A	826.6
04U852	902.9	10-Oct-94	45 A	826.8
04U852	902.9	27-Jan-95	46 A	827.9
04U852	902.9	06-Mar-95	46 A	828.1
04U852	902.9	21-Jun-95	47 A	826.1
04U852	902.9	05-Sep-95	48 A	826.0
04U854	889.8	04-Mar-93	38 F	832.0
04U854	889.8	21-Mar-94	42 F	835.6
04U854	889.8	30-Mar-94	42 A	834.7
04U854	889.8	31-Mar-94	42 A	835.1
04U854	889.8	10-Apr-94	43 A	835.2
04U854	889.8	17-Apr-94	43 A	835.3
04U854	889.8	18-Apr-94	43 A	835.5
04U854	889.8	18-Apr-94	43 A	835.7
04U854	889.8	18-Apr-94	43 A	835.7
04U854	889.8	19-Apr-94	43 A	835.0
04U854	889.8	20-Apr-94	43 A	835.1
04U854	889.8	21-Apr-94	43 A	835.2
04U854	889.8	22-Apr-94	43 A	835.4
04U854	889.8	25-Apr-94	43 A	835.5
04U854	889.8	26-Apr-94	43 A	835.5
04U854	889.8	28-Apr-94	43 A	834.9
04U854	889.8	29-Apr-94	43 A	835.1
04U854	889.8	02-May-94	43 A	835.5
04U854	889.8	09-May-94	43 A	835.2
04U854	889.8	16-May-94	43 A	834.6
04U854	889.8	23-May-94	43 A	834.4
04U854	889.8	20-Jun-94	43 A	833.6
04U854	889.8	19-Jul-94	44 A	833.6
04U854	889.8	10-Oct-94	45 A	832.8
04U854	889.8	27-Jan-95	46 A	833.5
04U854	889.8	06-Mar-95	46 A	833.5
04U854	889.8	21-Jun-95	47 A	833.0
04U854	889.8	05-Sep-95	48 A	832.7
04U855	896.1	04-Mar-93	38 F	831.5
04U855	896.1	21-Mar-94	42 F	834.6
04U855	896.1	23-Mar-95	46 F	833.0
04U859	901.0	03-Mar-93	38 F	839.2
04U859	901.0	18-Mar-94	42 F	842.3
04U859	901.0	30-Mar-94	42 A	841.8
04U859	901.0	31-Mar-94	42 A	842.2
04U859	901.0	10-Apr-94	43 A	842.0
04U859	901.0	17-Apr-94	43 A	841.8
04U859	901.0	18-Apr-94	43 A	842.7
04U859	901.0	18-Apr-94	43 A	842.8
04U859	901.0	18-Apr-94	43 A	842.8
04U859	901.0	19-Apr-94	43 A	841.9
04U859	901.0	20-Apr-94	43 A	841.9
04U859	901.0	21-Apr-94	43 A	841.9
04U859	901.0	22-Apr-94	43 A	842.1
04U859	901.0	25-Apr-94	43 A	842.4
04U859	901.0	26-Apr-94	43 A	842.6
04U859	901.0	28-Apr-94	43 A	841.8
04U859	901.0	29-Apr-94	43 A	841.8
04U859	901.0	02-May-94	43 A	842.1
04U859	901.0	09-May-94	43 A	842.1
04U859	901.0	16-May-94	43 A	841.7
04U859	901.0	23-May-94	43 A	841.9
04U859	901.0	20-Jun-94	43 A	841.5
04U859	901.0	19-Jul-94	44 A	842.6
04U859	901.0	10-Oct-94	45 A	840.8
04U859	901.0	27-Jan-95	46 A	841.0
04U859	901.0	06-Mar-95	46 A	840.9
04U859	901.0	21-Jun-95	47 A	841.4
04U859	901.0	05-Sep-95	48 A	840.1
04U860	893.9	10-Mar-93	38 F	832.1
04U860	893.9	30-Mar-94	42 A	834.7
04U860	893.9	31-Mar-94	42 A	835.0
04U860	893.9	10-Apr-94	43 A	835.1
04U860	893.9	17-Apr-94	43 A	835.2
04U860	893.9	18-Apr-94	43 A	835.5
04U860	893.9	18-Apr-94	43 A	835.6
04U860	893.9	18-Apr-94	43 A	835.6
04U860	893.9	19-Apr-94	43 A	834.9
04U860	893.9	20-Apr-94	43 A	835.1
04U860	893.9	21-Apr-94	43 A	835.2
04U860	893.9	22-Apr-94	43 A	835.2
04U860	893.9	25-Apr-94	43 A	835.5
04U860	893.9	26-Apr-94	43 A	835.4
04U860	893.9	28-Apr-94	43 A	834.8
04U860	893.9	29-Apr-94	43 A	835.0
04U860	893.9	02-May-94	43 A	835.4
04U860	893.9	09-May-94	43 A	835.1
04U860	893.9	16-May-94	43 A	834.5
04U860	893.9	23-May-94	43 A	834.3
04U860	893.9	20-Jun-94	43 A	833.6
04U860	893.9	19-Jul-94	44 A	833.4
04U860	893.9	10-Oct-94	45 A	832.8
04U860	893.9	27-Jan-95	46 A	833.4
04U860	893.9	06-Mar-95	46 A	833.4
04U860	893.9	21-Jun-95	47 A	833.0
04U860	893.9	05-Sep-95	48 A	832.6
04U861	888.8	04-Mar-93	38 F	832.1
04U861	888.8	30-Mar-94	42 A	834.9
04U861	888.8	31-Mar-94	42 A	835.3
04U861	888.8	10-Apr-94	43 A	835.3
04U861	888.8	17-Apr-94	43 A	835.3
04U861	888.8	18-Apr-94	43 A	835.6
04U861	888.8	18-Apr-94	43 A	835.8
04U861	888.8	18-Apr-94	43 A	835.8
04U861	888.8	19-Apr-94	43 A	835.1
04U861	888.8	20-Apr-94	43 A	835.2
04U861	888.8	21-Apr-94	43 A	835.4
04U861	888.8	22-Apr-94	43 A	835.5
04U861	888.8	25-Apr-94	43 A	835.6
04U861	888.8	26-Apr-94	43 A	835.6
04U861	888.8	28-Apr-94	43 A	835.0

TABLE II - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
04U861	888.8	29-Apr-94	43 A	835.1
04U861	888.8	02-May-94	43 A	835.5
04U861	888.8	09-May-94	43 A	835.3
04U861	888.8	16-May-94	43 A	834.7
04U861	888.8	23-May-94	43 A	834.5
04U861	888.8	20-Jun-94	43 A	833.8
04U861	888.8	19-Jul-94	44 A	833.8
04U861	888.8	10-Oct-94	45 A	833.0
04U861	888.8	27-Jan-95	46 A	833.6
04U861	888.8	06-Mar-95	46 A	833.7
04U861	888.8	21-Jun-95	47 A	833.2
04U861	888.8	05-Sep-95	48 A	832.8
04U863	893.1	30-Mar-94	42 A	834.3
04U863	893.1	31-Mar-94	42 A	834.6
04U863	893.1	10-Apr-94	43 A	834.7
04U863	893.1	17-Apr-94	43 A	834.8
04U863	893.1	18-Apr-94	43 A	834.9
04U863	893.1	18-Apr-94	43 A	835.1
04U863	893.1	18-Apr-94	43 A	835.1
04U863	893.1	19-Apr-94	43 A	834.4
04U863	893.1	20-Apr-94	43 A	834.6
04U863	893.1	21-Apr-94	43 A	834.7
04U863	893.1	22-Apr-94	43 A	834.9
04U863	893.1	25-Apr-94	43 A	835.1
04U863	893.1	26-Apr-94	43 A	834.9
04U863	893.1	28-Apr-94	43 A	834.4
04U863	893.1	29-Apr-94	43 A	834.4
04U863	893.1	02-May-94	43 A	835.0
04U863	893.1	09-May-94	43 A	834.7
04U863	893.1	16-May-94	43 A	834.0
04U863	893.1	23-May-94	43 A	833.8
04U863	893.1	20-Jun-94	43 A	832.9
04U863	893.1	19-Jul-94	44 A	832.8
04U863	893.1	10-Oct-94	45 A	832.2
04U863	893.1	27-Jan-95	46 A	832.9
04U863	893.1	06-Mar-95	46 A	833.0
04U863	893.1	21-Jun-95	47 A	832.4
04U863	893.1	05-Sep-95	48 A	832.1
04U864	906.4	30-Mar-94	42 A	832.6
04U864	906.4	31-Mar-94	42 A	832.7
04U864	906.4	10-Apr-94	43 A	832.9
04U864	906.4	17-Apr-94	43 A	833.1
04U864	906.4	18-Apr-94	43 A	831.8
04U864	906.4	18-Apr-94	43 A	832.1
04U864	906.4	18-Apr-94	43 A	833.3
04U864	906.4	19-Apr-94	43 A	831.3
04U864	906.4	20-Apr-94	43 A	832.3
04U864	906.4	21-Apr-94	43 A	833.0
04U864	906.4	22-Apr-94	43 A	833.0
04U864	906.4	25-Apr-94	43 A	833.2
04U864	906.4	26-Apr-94	43 A	832.6
04U864	906.4	28-Apr-94	43 A	831.3
04U864	906.4	29-Apr-94	43 A	831.3
04U864	906.4	02-May-94	43 A	832.9
04U864	906.4	09-May-94	43 A	832.3
04U864	906.4	16-May-94	43 A	830.8
04U864	906.4	23-May-94	43 A	830.8
04U864	906.4	20-Jun-94	43 A	829.7
04U864	906.4	19-Jul-94	44 A	829.6
04U864	906.4	10-Oct-94	45 A	829.1
04U864	906.4	27-Jan-95	46 A	829.7
04U864	906.4	06-Mar-95	46 A	829.9
04U864	906.4	21-Jun-95	47 A	829.1
04U864	906.4	05-Sep-95	48 A	829.0
04U865	913.0	30-Mar-94	42 A	833.2
04U865	913.0	31-Mar-94	42 A	833.3
04U865	913.0	10-Apr-94	43 A	833.5
04U865	913.0	17-Apr-94	43 A	833.6
04U865	913.0	18-Apr-94	43 A	832.2
04U865	913.0	18-Apr-94	43 A	832.5
04U865	913.0	18-Apr-94	43 A	833.8
04U865	913.0	19-Apr-94	43 A	831.7
04U865	913.0	20-Apr-94	43 A	832.8
04U865	913.0	21-Apr-94	43 A	833.6
04U865	913.0	22-Apr-94	43 A	833.7
04U865	913.0	25-Apr-94	43 A	833.8
04U865	913.0	26-Apr-94	43 A	832.2
04U865	913.0	28-Apr-94	43 A	831.6
04U865	913.0	29-Apr-94	43 A	831.6
04U865	913.0	02-May-94	43 A	833.8
04U865	913.0	09-May-94	43 A	832.7
04U865	913.0	16-May-94	43 A	831.4
04U865	913.0	23-May-94	43 A	831.1
04U865	913.0	20-Jun-94	43 A	830.2
04U865	913.0	19-Jul-94	44 A	830.0
04U865	913.0	10-Oct-94	45 A	829.5
04U865	913.0	27-Jan-95	46 A	830.1
04U865	913.0	06-Mar-95	46 A	830.2
04U865	913.0	21-Jun-95	47 A	829.5
04U865	913.0	05-Sep-95	48 A	829.3
04U866	908.4	30-Mar-94	42 A	832.0
04U866	908.4	31-Mar-94	42 A	832.1
04U866	908.4	10-Apr-94	43 A	832.3
04U866	908.4	17-Apr-94	43 A	832.4
04U866	908.4	18-Apr-94	43 A	831.0
04U866	908.4	18-Apr-94	43 A	831.3
04U866	908.4	18-Apr-94	43 A	832.6
04U866	908.4	19-Apr-94	43 A	830.5
04U866	908.4	20-Apr-94	43 A	831.6
04U866	908.4	21-Apr-94	43 A	832.4
04U866	908.4	22-Apr-94	43 A	832.4
04U866	908.4	25-Apr-94	43 A	832.5
04U866	908.4	26-Apr-94	43 A	830.9
04U866	908.4	28-Apr-94	43 A	830.4
04U866	908.4	29-Apr-94	43 A	830.4
04U866	908.4	02-May-94	43 A	832.1
04U866	908.4	09-May-94	43 A	831.7
04U866	908.4	16-May-94	43 A	830.2
04U866	908.4	23-May-94	43 A	830.0
04U866	908.4	20-Jun-94	43 A	828.9
04U866	908.4	19-Jul-94	44 A	828.7
04U866	908.4	10-Oct-94	45 A	828.3
04U866	908.4	27-Jan-95	46 A	829.0
04U866	908.4	06-Mar-95	46 A	829.2
04U866	908.4	21-Jun-95	47 A	828.2
04U866	908.4	05-Sep-95	48 A	828.1
04U871	957.1	08-Mar-93	38 F	816.9
04U871	957.1	22-Mar-94	42 F	819.7
04U871	957.1	20-Mar-95	46 F	819.2
04U872	952.2	05-Mar-93	38 F	816.1
04U872	952.2	23-Mar-94	42 F	818.5
04U872	952.2	24-Mar-95	46 F	817.1
04U875	1013.6	08-Mar-93	38 F	816.2
04U875	1013.6	24-Mar-94	42 F	818.1
04U875	1013.6	24-Mar-95	46 F	817.9
04U877	920.9	08-Mar-93	38 F	828.0
04U877	920.9	22-Mar-94	42 F	831.7
04U877	920.9	30-Mar-94	42 A	831.3
04U877	920.9	31-Mar-94	42 A	831.3
04U877	920.9	10-Apr-94	43 A	831.6
04U877	920.9	17-Apr-94	43 A	831.8
04U877	920.9	18-Apr-94	43 A	831.3
04U877	920.9	18-Apr-94	43 A	831.5
04U877	920.9	18-Apr-94	43 A	832.0
04U877	920.9	19-Apr-94	43 A	831.0
04U877	920.9	20-Apr-94	43 A	831.5
04U877	920.9	21-Apr-94	43 A	831.7
04U877	920.9	22-Apr-94	43 A	831.6
04U877	920.9	25-Apr-94	43 A	831.8
04U877	920.9	26-Apr-94	43 A	831.6

TABLE II - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
04U877	920.9	28-Apr-94	43 A	830.6
04U877	920.9	29-Apr-94	43 A	830.8
04U877	920.9	02-May-94	43 A	831.5
04U877	920.9	09-May-94	43 A	831.1
04U877	920.9	16-May-94	43 A	830.6
04U877	920.9	23-May-94	43 A	830.3
04U877	920.9	20-Jun-94	43 A	829.3
04U877	920.9	19-Jul-94	44 A	829.0
04U877	920.9	10-Oct-94	45 A	828.8
04U877	920.9	27-Jan-95	46 A	829.5
04U877	920.9	06-Mar-95	46 A	829.8
04U877	920.9	21-Jun-95	47 A	828.6
04U877	920.9	05-Sep-95	48 A	828.7
04U879	945.6	04-Mar-93	38 F	827.0
04U879	945.6	22-Mar-94	42 F	830.2
04U879	945.6	23-Mar-95	46 F	829.1
04U880	972.0	05-Mar-93	38 F	813.3
04U880	972.0	24-Mar-94	42 F	815.0
04U880	972.0	25-Mar-95	46 F	816.7
04U881	976.5	08-Mar-93	38 F	811.5
04U881	976.5	23-Mar-94	42 F	814.0
04U881	976.5	25-Mar-95	46 F	813.8
04U882	917.7	05-Mar-93	38 F	808.1
04U882	917.7	10-Sep-93	40 F	804.2
04U882	917.7	23-Mar-94	42 F	809.1
04U882	917.7	12-Sep-94	44 F	803.8
04U882	917.7	27-Mar-95	46 F	809.7
04U882	917.7	11-Sep-95	48 F	799.9
04U883	948.6	05-Mar-93	38 F	806.3
04U883	948.6	24-Mar-94	42 F	808.0
04U883	948.6	27-Mar-95	46 F	807.9
110485		02-Aug-95	48 F	-246.0
161432	919.0	02-Aug-95	48 F	655.9
206791	920.0	02-Aug-95	48 F	814.1
206792	1000.8	08-Sep-95	48 F	814.8
206794	994.0	02-Aug-95	48 F	539.0
206795	993.0	02-Aug-95	48 F	584.0
206796	965.0	08-Sep-95	48 F	702.0
206797	1025.8	08-Mar-93	38 F	1024.7
409546	867.0	09-Mar-93	38 F	827.7
409546	867.0	21-Mar-94	42 F	830.0
409546	867.0	31-Mar-94	42 A	833.6
409546	867.0	10-Apr-94	43 A	833.6
409546	867.0	17-Apr-94	43 A	833.7
409546	867.0	18-Apr-94	43 A	833.8
409546	867.0	18-Apr-94	43 A	834.0
409546	867.0	18-Apr-94	43 A	834.1
409546	867.0	19-Apr-94	43 A	833.3
409546	867.0	20-Apr-94	43 A	833.6
409546	867.0	21-Apr-94	43 A	833.7
409546	867.0	22-Apr-94	43 A	833.7
409546	867.0	25-Apr-94	43 A	833.9
409546	867.0	26-Apr-94	43 A	833.9
409546	867.0	28-Apr-94	43 A	833.3
409546	867.0	29-Apr-94	43 A	833.3
409546	867.0	02-May-94	43 A	833.8
409546	867.0	09-May-94	43 A	833.5
409546	867.0	16-May-94	43 A	832.9
409546	867.0	23-May-94	43 A	832.8
409546	867.0	20-Jun-94	43 A	831.9
409546	867.0	19-Jul-94	44 A	831.8
409546	867.0	10-Oct-94	45 A	831.1
409546	867.0	27-Jan-95	46 A	831.9
409546	867.0	06-Mar-95	46 A	831.9
409546	867.0	21-Jun-95	47 A	831.4
409546	867.0	05-Sep-95	48 A	831.1
409547	896.0	04-Mar-93	38 F	832.6
409547	896.0	18-Mar-94	42 F	836.2
409547	896.2	31-Mar-94	42 A	836.1
409547	896.2	10-Apr-94	43 A	836.0
409547	896.2	17-Apr-94	43 A	835.9
409547	896.2	18-Apr-94	43 A	836.5
409547	896.2	18-Apr-94	43 A	836.5
409547	896.2	18-Apr-94	43 A	836.5
409547	896.2	19-Apr-94	43 A	835.9
409547	896.2	20-Apr-94	43 A	835.9
409547	896.2	21-Apr-94	43 A	836.0
409547	896.2	22-Apr-94	43 A	836.1
409547	896.2	25-Apr-94	43 A	836.4
409547	896.2	26-Apr-94	43 A	836.5
409547	896.2	28-Apr-94	43 A	835.7
409547	896.2	29-Apr-94	43 A	835.8
409547	896.2	02-May-94	43 A	836.2
409547	896.2	09-May-94	43 A	836.0
409547	896.2	16-May-94	43 A	835.5
409547	896.2	23-May-94	43 A	835.4
409547	896.2	20-Jun-94	43 A	834.8
409547	896.2	19-Jul-94	44 A	835.0
409547	896.2	10-Oct-94	45 A	833.8
409547	896.0	27-Jan-95	46 A	834.5
409547	896.0	06-Mar-95	46 A	834.6
409547	896.0	21-Jun-95	47 A	834.3
409547	896.0	05-Sep-95	48 A	833.7
409548	867.0	09-Mar-93	38 F	826.5
409548	867.0	21-Mar-94	42 F	830.8
409548	867.0	31-Mar-94	42 A	832.7
409548	867.0	10-Apr-94	43 A	832.8
409548	867.0	17-Apr-94	43 A	832.9
409548	867.0	18-Apr-94	43 A	832.9
409548	867.0	18-Apr-94	43 A	833.0
409548	867.0	18-Apr-94	43 A	833.3
409548	867.0	19-Apr-94	43 A	832.4
409548	867.0	20-Apr-94	43 A	832.8
409548	867.0	21-Apr-94	43 A	832.9
409548	867.0	22-Apr-94	43 A	832.9
409548	867.0	25-Apr-94	43 A	833.0
409548	867.0	26-Apr-94	43 A	832.9
409548	867.0	28-Apr-94	43 A	832.2
409548	867.0	29-Apr-94	43 A	832.4
409548	867.0	02-May-94	43 A	832.9
409548	867.0	09-May-94	43 A	832.5
409548	867.0	16-May-94	43 A	832.0
409548	867.0	23-May-94	43 A	831.8
409548	867.0	20-Jun-94	43 A	830.9
409548	867.0	19-Jul-94	44 A	830.7
409548	867.0	10-Oct-94	45 A	830.1
409548	867.0	27-Jan-95	46 A	830.9
409548	867.0	06-Mar-95	46 A	831.0
409548	867.0	21-Jun-95	47 A	830.3
409548	867.0	05-Sep-95	48 A	830.1
409549	920.0	09-Mar-93	38 F	826.7
409549	920.0	09-Sep-93	40 F	827.9
409549	920.0	21-Mar-94	42 F	830.1
409550	912.0	08-Oct-92	36 A	840.8
409550	912.0	03-Mar-93	38 F	841.3
409550	912.0	10-Sep-93	40 F	842.4
409550	912.0	17-Mar-94	42 F	851.6
409550	912.0	12-Sep-94	44 F	841.4
409550	912.0	09-Mar-95	46 A	843.2
409550	912.0	06-Sep-95	48 A	842.5

TABLE II - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
409555	923.0	05-Mar-93	38 F	819.4
409555	923.0	22-Mar-94	42 F	822.5
409555	923.0	25-Mar-95	46 F	821.5
409556	960.0	23-Mar-94	42 F	829.4
409556	960.0	17-Mar-95	46 F	828.8
409557	896.0	04-Mar-93	38 F	834.8
409557	896.0	18-Mar-94	42 F	837.8
409557	896.3	31-Mar-94	42 A	838.5
409557	896.3	10-Apr-94	43 A	838.1
409557	896.3	17-Apr-94	43 A	838.1
409557	896.3	18-Apr-94	43 A	838.7
409557	896.3	18-Apr-94	43 A	838.8
409557	896.3	18-Apr-94	43 A	838.8
409557	896.3	19-Apr-94	43 A	838.2
409557	896.3	20-Apr-94	43 A	838.2
409557	896.3	21-Apr-94	43 A	838.2
409557	896.3	22-Apr-94	43 A	838.4
409557	896.3	25-Apr-94	43 A	838.8
409557	896.3	26-Apr-94	43 A	839.0
409557	896.3	28-Apr-94	43 A	838.1
409557	896.3	29-Apr-94	43 A	838.1
409557	896.3	02-May-94	43 A	838.4
409557	896.3	09-May-94	43 A	838.4
409557	896.3	16-May-94	43 A	837.9
409557	896.3	23-May-94	43 A	838.1
409557	896.3	20-Jun-94	43 A	837.6
409557	896.3	19-Jul-94	44 A	837.7
409557	896.3	10-Oct-94	45 A	836.2
409557	896.0	27-Jan-95	46 A	836.3
409557	896.0	06-Mar-95	46 A	836.3
409557	896.0	21-Jun-95	47 A	836.1
409557	896.0	05-Sep-95	48 A	835.5
409596	880.4	09-Mar-93	38 F	830.0
409596	880.4	18-Mar-94	42 F	835.1
409596	880.4	20-Mar-95	46 F	834.0
409597	880.3	04-Mar-93	38 F	829.6
409597	880.3	18-Mar-94	42 F	835.0
409597	880.3	20-Mar-95	46 F	833.8
482083	885.7	01-Mar-94	42 A	878.7
482083	885.7	06-Sep-94	44 A	879.5
482083	885.7	06-Mar-95	46 A	877.9
482083	885.7	05-Sep-95	48 A	880.3
482084	889.7	01-Mar-94	42 A	885.0
482084	889.7	06-Sep-94	44 A	884.5
482084	889.7	06-Mar-95	46 A	883.9
482084	889.7	05-Sep-95	48 A	885.0
482085	889.3	01-Mar-94	42 A	884.1
482085	889.3	06-Sep-94	44 A	886.3
482085	889.3	06-Mar-95	46 A	883.4
482085	889.3	05-Sep-95	48 A	886.3
482086	958.6	11-Mar-94	42 A	949.6
482086	958.6	02-Sep-94	44 A	Dry
482086	958.6	09-Mar-95	46 A	Dry
482086	958.6	07-Sep-95	48 A	Dry
482087	958.7	11-Mar-94	42 A	Dry
482087	958.7	02-Sep-94	44 A	Dry
482087	958.7	09-Mar-95	46 A	Dry
482087	958.7	07-Sep-95	48 A	944.3
482088	956.1	11-Mar-94	42 A	Dry
482088	956.1	02-Sep-94	44 A	Dry
482088	956.1	09-Mar-95	46 A	Dry
482088	956.1	07-Sep-95	48 A	Dry
482089	955.9	11-Mar-94	42 A	Dry
482089	955.9	02-Sep-94	44 A	Dry
482089	955.9	09-Mar-95	46 A	Dry
482089	955.9	07-Sep-95	48 A	Dry
482090	954.6	11-Mar-94	42 A	Dry
482090	954.6	02-Sep-94	44 A	Dry
482090	954.6	09-Mar-95	46 A	Dry
482090	954.6	07-Sep-95	48 A	Dry
500691	891.2	05-Mar-93	38 F	831.2
500691	891.3	30-Mar-94	42 A	834.1
500691	891.3	31-Mar-94	42 A	834.3
500691	891.3	10-Apr-94	43 A	834.5
500691	891.3	17-Apr-94	43 A	834.6
500691	891.3	18-Apr-94	43 A	834.6
500691	891.3	18-Apr-94	43 A	834.9
500691	891.3	18-Apr-94	43 A	834.9
500691	891.3	19-Apr-94	43 A	834.1
500691	891.3	20-Apr-94	43 A	834.4
500691	891.3	21-Apr-94	43 A	834.6
500691	891.3	22-Apr-94	43 A	834.7
500691	891.3	25-Apr-94	43 A	834.8
500691	891.3	26-Apr-94	43 A	834.6
500691	891.3	28-Apr-94	43 A	834.0
500691	891.3	29-Apr-94	43 A	834.0
500691	891.3	02-May-94	43 A	834.7
500691	891.3	09-May-94	43 A	834.5
500691	891.3	16-May-94	43 A	833.7
500691	891.3	23-May-94	43 A	833.4
500691	891.3	20-Jun-94	43 A	832.6
500691	891.3	19-Jul-94	44 A	832.4
500691	891.3	10-Oct-94	45 A	831.9
500691	891.3	27-Jan-95	46 A	832.6
500691	891.3	06-Mar-95	46 A	832.7
500691	891.2	21-Jun-95	47 A	831.9
500691	891.2	05-Sep-95	48 A	830.6
508115	910.7	05-Mar-93	38 F	830.1
509083		02-Aug-95	48 F	-257.0
519288	966.8	01-Mar-94	42 A	859.3
519288	966.8	02-Sep-94	44 A	858.1
519288	966.8	09-Mar-95	46 A	858.4
519288	966.8	14-Mar-95	46 F	858.3
519288	966.8	06-Sep-95	48 A	857.7
519288	966.8	08-Sep-95	48 F	854.3
519289	978.7	01-Mar-94	42 A	859.0
519289	978.7	02-Sep-94	44 A	857.9
519289	978.7	09-Mar-95	46 A	858.1
519289	978.7	14-Mar-95	46 F	858.0
519289	978.7	06-Sep-95	48 A	857.4
519289	978.7	08-Sep-95	48 F	854.5
519290	969.3	01-Mar-94	42 A	859.7
519290	969.3	02-Sep-94	44 A	858.5
519290	969.3	09-Mar-95	46 A	858.8
519290	969.3	14-Mar-95	46 F	858.7
519290	969.3	06-Sep-95	48 A	858.1
519290	969.3	08-Sep-95	48 F	855.8
519291	997.5	15-Mar-94	42 F	857.8
519291	997.5	08-Sep-94	44 F	856.8
519291	997.5	17-Mar-95	46 F	856.9
519291	997.5	12-Sep-95	48 F	854.0
520931	910.8	18-Apr-94	43 A	818.2
520931	910.8	19-Apr-94	43 A	821.7
520931	910.8	20-Apr-94	43 A	827.4
520931	910.8	22-Apr-94	43 A	830.3
520931	910.8	26-Apr-94	43 A	820.2
520931	910.8	28-Apr-94	43 A	819.7
520931	910.8	29-Apr-94	43 A	819.7

TABLE II - 1
TCAAP Groundwater Elevation Data

Well	TOS (1) (ft)	Date	Qtr (2)	Groundwater Elev.(ft)
520931	910.8	02-May-94	43 A	820.2
520931	910.8	09-May-94	43 A	828.4
520931	910.8	16-May-94	43 A	819.3
520931	910.8	20-Jun-94	43 A	818.1
520931	910.8	19-Jul-94	44 A	817.8
520931	910.8	10-Oct-94	45 A	816.9
520931	910.8	27-Jan-95	46 A	819.7
520931	910.8	06-Mar-95	46 A	819.7
520931	910.8	21-Jun-95	47 A	819.7
520931	910.8	05-Sep-95	48 A	819.7
MPCA6	914.40	08-Oct-92	37 A	840.8
MPCA6	914.40	02-Mar-93	38 A	841.8
MPCA6	914.40	10-Sep-93	40 A	843.2
MPCA6	912.0	01-Mar-94	42 A	844.7
MPCA6	912.0	02-Sep-94	44 A	843.2
MW15H	909.6	31-Mar-94	42 A	834.8
MW15H	909.6	10-Apr-94	43 A	834.7
MW15H	909.6	17-Apr-94	43 A	834.8
MW15H	909.6	18-Apr-94	43 A	835.2
MW15H	909.6	18-Apr-94	43 A	835.3
MW15H	909.6	18-Apr-94	43 A	835.3
MW15H	909.6	19-Apr-94	43 A	834.6
MW15H	909.6	20-Apr-94	43 A	834.7
MW15H	909.6	21-Apr-94	43 A	834.8
MW15H	909.6	22-Apr-94	43 A	834.9
MW15H	909.6	25-Apr-94	43 A	835.1
MW15H	909.6	26-Apr-94	43 A	835.2
MW15H	909.6	28-Apr-94	43 A	834.6
MW15H	909.6	29-Apr-94	43 A	834.6
MW15H	909.6	02-May-94	43 A	835.0
MW15H	909.6	09-May-94	43 A	834.8
MW15H	909.6	16-May-94	43 A	834.1
MW15H	909.6	23-May-94	43 A	834.1
MW15H	909.6	20-Jun-94	43 A	833.3
MW15H	909.6	19-Jul-94	44 A	833.1
MW15H	909.6	10-Oct-94	45 A	832.4
MW15H	909.6	27-Jan-95	46 A	833.1
MW15H	909.6	06-Mar-95	46 A	833.2
MW15H	909.6	21-Jun-95	47 A	832.9
MW15H	909.6	05-Sep-95	48 A	832.4
OW543U3	959.4	08-Oct-92	37 A	848.7
OW543U3	959.4	02-Mar-93	38 A	849.6
OW543U3	959.4	10-Sep-93	40 A	850.8
OW543U3	959.4	01-Mar-94	42 A	852.8
OW543U3	959.4	02-Sep-94	44 A	851.8
OW543U3	959.4	09-Mar-95	46 A	851.8
OW543U3	959.4	06-Sep-95	48 A	851.0
PJ#003	944.2	08-Oct-92	37 A	843.7
PJ#003	944.2	02-Mar-93	38 A	844.5
PJ#003	944.2	10-Sep-93	40 A	845.7
PJ#003	944.2	01-Mar-94	42 A	847.3
PJ#003	944.2	02-Sep-94	44 A	846.0
PJ#003	944.2	09-Mar-95	46 A	845.9
PJ#003	944.2	06-Sep-95	48 A	845.4
PJ#027	967.7	08-Oct-92	37 A	845.6
PJ#027	967.7	02-Mar-93	38 A	846.5
PJ#027	967.7	10-Sep-93	40 A	847.6
PJ#027	967.7	01-Mar-94	42 A	851.6
PJ#027	967.7	02-Sep-94	44 A	850.5
PJ#027	967.7	09-Mar-95	46 A	850.5
PJ#027	967.7	06-Sep-95	48 A	849.7
PJ#309	911.8	08-Oct-92	37 A	839.4
PJ#309	911.8	02-Mar-93	38 A	841.6
PJ#309	911.8	10-Sep-93	40 A	842.4
PJ#309	911.8	01-Mar-94	42 A	844.1
PJ#309	911.8	02-Sep-94	44 A	842.8
PJ#309	911.8	09-Mar-95	46 A	842.5
PJ#309	911.8	06-Sep-95	48 A	841.9
PJ#310	913.3	08-Oct-92	37 A	836.8
PJ#310	913.3	02-Mar-93	38 A	838.6
PJ#310	913.3	10-Sep-93	40 A	839.7
PJ#310	913.3	01-Mar-94	42 A	841.2
PJ#310	913.3	02-Sep-94	44 A	840.1
PJ#310	913.3	09-Mar-95	46 A	839.8
PJ#310	913.3	06-Sep-95	48 A	838.9
PJ#311	905.2	08-Oct-92	37 A	838.0
PJ#311	905.2	02-Mar-93	38 A	840.3
PJ#311	905.2	10-Sep-93	40 A	841.5
PJ#311	905.2	01-Mar-94	42 A	843.1
PJ#311	905.2	02-Sep-94	44 A	841.9
PJ#311	905.2	09-Mar-95	46 A	839.7
PJ#311	905.2	06-Sep-95	48 A	839.4
PJ#313	893.2	08-Oct-92	37 A	807.6
PJ#313	893.2	02-Mar-93	38 A	839.6
PJ#313	893.2	10-Sep-93	40 A	841.6
PJ#313	893.2	01-Mar-94	42 A	842.2
PJ#313	893.2	02-Sep-94	44 A	840.6
PJ#313	893.2	09-Mar-95	46 A	839.1
PJ#313	893.2	06-Sep-95	48 A	839.9
PJ#318	983.0	08-Mar-93	38 F	810.1
PJ#318	983.0	24-Mar-94	42 F	814.2
PJ#318	983.0	27-Mar-95	46 F	814.1
PJ#506	943.6	20-Jul-93	Well Abandoned	
PJ#507	946.6	22-Jul-93	Well Abandoned	
PJ#508	956.8	02-Aug-93	Well Abandoned	
PJ#802	902.7	08-Oct-92	37 A	843.5
PJ#802	902.7	02-Mar-93	38 A	844.3
PJ#802	902.7	10-Sep-93	40 A	845.5
PJ#802	902.7	01-Mar-94	42 A	847.1
PJ#802	902.7	02-Sep-94	44 A	845.8
PJ#802	902.7	09-Mar-95	46 A	845.9
PJ#802	902.7	06-Sep-95	48 A	845.3
PJ#806	909.4	08-Oct-92	37 A	841.4
PJ#806	909.4	02-Mar-93	38 A	842.3
PJ#806	909.4	10-Sep-93	40 A	843.7
PJ#806	909.4	01-Mar-94	42 A	845.3
PJ#806	909.4	02-Sep-94	44 A	843.7
PJ#806	909.4	09-Mar-95	46 A	843.7
PJ#806	909.4	06-Sep-95	48 A	843.0
S.G. #1	860.4	08-Oct-92	37 A	866.6
S.G. #1	860.4	02-Mar-93	38 A	866.9
S.G. #1	860.4	10-Sep-93	40 A	867.9
S.G. #1	860.4	01-Mar-94	42 A	851.0
S.G. #1	860.4	02-Sep-94	44 A	852.2
S.G. #2	862.8	08-Oct-92	37 A	866.8
S.G. #2	862.8	02-Mar-93	38 A	868.1
S.G. #2	862.8	10-Sep-93	40 A	868.1
S.G. #2	862.8	01-Mar-94	42 A	855.6
S.G. #2	862.8	02-Sep-94	44 A	856.8
S.G. #3	865.3	08-Oct-92	37 A	866.5
S.G. #3	865.3	02-Mar-93	38 A	867.6
S.G. #3	865.3	10-Sep-93	40 A	867.6
S.G. #3	865.3	01-Mar-94	42 A	NA
S.G. #3	865.3	02-Sep-94	44 A	NA

Table II-2

TCAAP Groundwater Quality Data (Organics)

Notes:

(1) The parameters are grouped by chemical categories. Benzene, toluene, and total xylenes comprise Category 7 -- all other parameters are Category 1. The Category 1 parameters are sub-grouped into the -ethene, -ethane, and miscellaneous compounds. Furthermore, within each sub-group the parameters are arranged in descending order with respect to the number of chloride ions. This order is intended to represent potential degradation pathways.

(2) Qtr = Quarter. Under this heading, F = FCC; A = Alliant Techsystems, Inc.; and M = MPCA. For MPCA data, "PP" = Peak Present, but not quantifiable. All MPCA data was validated and provided directly by the MPCA and was not retrieved through IRDMIS.

(3) TCAAP GW Action Criteria = groundwater action criteria set forth in revised Table 3.7A of the Federal Facilities Agreement.

(4) Duplicate sample collected for QA/QC purposes.

(5) Raw laboratory data not retrieved from IRDMIS.

(6) Field blanks collected at this location. See Appendix C for FY 95 field blank data.

(7) The relative percent difference of this value and its duplicate is greater than 25 percent and an evaluation of the data indicates that the value may not be valid. Therefore, this data should be considered an estimated value.

NC Trip blank not collected.
NA Trip blank collected and not analyzed.

Shading denotes FY 1995 exceedances or potential exceedances of TCAAP action criteria. Exceedances are concentrations greater than the TCAAP action criteria. Potential exceedances are values reported as "less than the method detection limit," where the method detection limit is greater than the TCAAP action criteria.

TCLEE	Tetrachloroethene
TRCLE	Trichloroethene
11DCE	1,1-Dichloroethene
12DCE	1,2-Dichloroethene
C12DCE	cis-1,2-Dichloroethene
T12DCE	trans 1,2-Dichloroethene
C2H3CL	Vinyl Chloride
111TCE	1,1,1-Trichloroethane
112TCE	1,1,2-Trichloroethane
11DCLE	1,1-Dichloroethane
12DCLE	1,2-Dichloroethane
CCL4	Carbon Tetrachloride
CHCL3	Chloroform
12DCLP	1,2-Dichloropropane
TCLTFE	1,1,2-Trichlorotrifluoroethane
CH2CL2	Methylene Chloride
C6H6	Benzene
MEC6H5	Toluene
TXYLEN	Total Xylenes
OXYLEN	ortho-Xylene
M&P XYL	meta- & para- Xylenes

TABLE II - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
01L816		Well Abandoned																								
01U036		08-Mar-93	F38	IBW 011		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U036		08-Mar-93	M38			<0.20	<0.10	<0.50		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
01U036	(4)	08-Mar-93	F38	IBW 012		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U036		07-Mar-94	F42	IKW 004	NC	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U036		07-Mar-94	M42			<1.00	<0.50	<1.00		<0.20	<0.20	<1.00	<2.00	<1.20	<1.00	<0.30	<1.70	<1.50	<1.00	<5.00	<5.00	<1.00	<1.00		<1.00	<1.00
01U036		08-Mar-95	F46	DRM 010	4998-01	<2.41	<1.04	<1.01		<0.89	1.39	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U038		09-Mar-94	F42	ITB 009	48275 (6)																					
01U038		08-Jun-94	F43	ITJ 011	124044																	1.15	<0.87	<8.28		
01U038		08-Sep-94	F44	ITR 008	209724																	2.59	<0.87	<8.28		
																						0.57	<0.87	<8.28		
01U039		01-Mar-93	F38	IBP 016		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1 00	<3.20					
01U039		09-Mar-94	F42	ITB 012	48275																					
01U039		09-Mar-94	F42	IUE 006	48275	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
01U039		08-Jun-94	F43	ITJ 014	124044																					
01U039		08-Sep-94	F44	ITQ 007	209724																	<0.41	<0.87	<8.28		
01U039		08-Mar-95	F46	DRM 005	4998-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41	<0.41	<0.87	<8.28		
01U040		07-Mar-94	F42	ITA 013	NC																					
01U040		07-Jun-94	F43	ITH 004	124044																	<0.41	<0.87	<8.28		
01U040		06-Sep-94	F44	ITP 012	208191																	<0.41	0.71	<8.28		
																						<0.41	<0.87	<8.28		
01U041		08-Mar-94	F42	ITA 005	48275																					
01U041		07-Jun-94	F43	ITH 006	124044																	<0.41	<0.87	<8.28		
01U041		06-Sep-94	F44	ITP 013	208191																	<0.41	<0.87	<8.28		
																						<0.41	<0.87	<8.28		
01U063		09-Mar-94	F42	ITB 011	48275																					
01U063		08-Jun-94	F43	ITJ 013	124044																	<0.41	<0.87	<8.28		
01U063		08-Sep-94	F44	ITQ 006	209724																	<0.41	<0.87	<8.28		
																						<0.41	<0.87	<8.28		
01U064		24-Mar-93	A38		(5)	<5.00	3.80	<5.00	300.00			16.00	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
01U064		11-Mar-94	A42	IUC 009	49735	<1.00	4.23	<1.00	320.00		17.00	10.80	<1.00	<1.00	4.99	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U064	(4)	11-Mar-94	A42	IUC 011	49735	<1.00	4.37	<1.00	350.00		17.00	9.76	<1.00	<1.00	5.01	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U064		24-Mar-95	A46	IZV 018	NC	<10.00	3.00	<10.00	160.00		2.10	<19.00	<10.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
01U067		08-Mar-94	F42	ITA 004	48275																					
01U067		07-Jun-94	F43	ITH 005	124044																	<0.41	<0.87	<8.28		
01U067		06-Sep-94	F44	IVO 006	208191	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.26	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
01U067		07-Sep-94	F44	ITO 006	208191																					
																						<0.41	<0.87	<8.28		
01U085		05-Mar-93	F38	IBW 007		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U085		16-Mar-94	F42	IUN 008	54690	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U085		08-Mar-95	F46	DRM 012	4998-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U098		03-Mar-93	F38	IBS 004		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U098		14-Mar-94	F42	IUH 008	NC	<1.00	0.38	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.34	<1.30	<0.72	<1.00	<1.00	<3.20					
01U098		08-Mar-95	F46	DRM 011	4998-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U098		09-Mar-95	F46	DRO 007	5015-01	<2.41	5.28	<1.01		<0.89	<1.06	<4.10	2.52	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U100		26-Jan-94	M42			<1.00	<0.5	<1.00		<0.20	<0.20	<1.00	<2.00	<1.20	<1.00	<0.30	<1.70	<1.50	<1.00	<5.00	<5.00	<1.00	<1.00		<1.00	<1.00
01U101		26-Jan-94	M42			<1.00	<0.5	<1.00		<0.20	<0.20	<1.00	<2.00	<1.20	<1.00	<0.30	<1.70	<1.50	<1.00	<5.00	<5.00	<1.00	<1.00		<1.00	<1.00
01U102		20-Oct-92	F36	IBK 005		130.00	61.00	<10.00	490.00			<19.00	<10.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
01U102		02-Mar-93	F38	FLV 008																						
01U102	(4)	02-Mar-93	F38	IBU 008		79.00	88.00	<20.00	590.00			<38.00	<20.00	<20.00	<16.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00	19.00	<17.00	<170.00		
01U102		02-Jun-93	F39	IHV 011		150.00	160.00	<10.00	590.00			<19.00	<10.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
01U102	(4)	02-Jun-93	F39	IHV 012		77.60	160.00	<1.00	540.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U102		02-Jun-93	F39	FLX 005																						
01U102	(4)	02-Jun-93	F39	FLX 006																		17.00	<8.70	<83.00		
01U102		08-Sep-93	F40	IHZ 012		55.00	39.00	<20.00	630.00			<38.00	<20.00	<20.00	<16.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00	14.90	<0.87	<8.28		
01U102		11-Mar-94	F42	IUF 009	NC	36.50	12.60	<1.00	540.00			<1.90	<1.00	<1.00	<0.78	0.39	<1.30	<0.72	<1.00	<1.00	<3.20					
01U102		11-Mar-94	F42	ITC 010	NC																					
																						7.96	<0.87	<8.28		

TABLE II - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well	Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN M&PXYL
TCAAP GW Action Criteria - ug/l (3)					0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00	
01U102	10-Jun-94	F43	ITN 004	125865																	<0.41	<0.87	<8.28	
01U102	12-Sep-94	F44	IVU 004	NC	9.91	1.71	<1.00	2.27			<1.90	<1.00	<1.00	<0.78	0.53	<1.30	<0.72	<1.00	<1.00	<3.20				
01U102	12-Sep-94	F44	ITT 004	NC																	<0.41	<0.87	<8.28	
01U102	22-Dec-94	F45	IZG 005	NC	5.06	0.54	<1.00	0.35			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20				
01U102	08-Mar-95	F46	DRN 014	4998-01																	<0.25	<0.25	<0.25	
01U102	08-Mar-95	F46	DRM 009	4998-01	8.66	<1.04	<1.01		1.39	1.39	<4.10	<1.16	<1.52	<0.97	<4.65	<1.20	<1.08	<3.94	<4.47	<1.41				
01U102	05-Jun-95	F47	EDR 003	NC	4.19	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41				
01U102	06-Sep-95	F48	EVG 014	NC	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	<1.08	<3.94	<4.47	<1.41				
01U103	01-Mar-93	F38	IBP 008		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20				
01U103	08-Sep-93	F40	IHZ 010		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20				
01U103	07-Mar-94	F42	ITA 008	NC																	<0.41	<0.87	<8.28	
01U103	11-Mar-94	F42	ITC 011	NC																	<0.41	<0.87	<8.28	
01U103	07-Jun-94	F43	ITH 013	124044																	<0.41	<0.87	<8.28	
01U103	07-Sep-94	F44	ITP 006	208191																	<0.41	<0.87	<8.28	
01U103	06-Mar-95	F46	DRK 009	4986-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41				
01U104	08-Mar-94	F42	ITB 005	48275																	<0.41	<0.87	<8.28	
01U104	07-Jun-94	F43	ITJ 004	124044																	<0.41	<0.87	<8.28	
01U104	07-Sep-94	F44	ITP 008	208191																	<0.41	<0.87	<8.28	
01U105	01-Mar-93	F38	IBP 010		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20				
01U105	09-Mar-94	F42	ITB 008	48275																	<0.41	<0.87	<8.28	
01U105	09-Mar-94	F42	IUE 004	48275	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20				
01U105	07-Jun-94	F43	ITH 014	124044																	<0.41	<0.87	<8.28	
01U105	08-Sep-94	F44	ITR 007	209724																	<0.41	<0.87	<8.28	
01U106	01-Mar-93	F38	IBP 007		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20				
01U106	08-Mar-94	F42	IUD 008	48275	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20				
01U106	08-Mar-94	F42	ITA 014	48275																	<0.41	<0.87	<8.28	
01U106	07-Jun-94	F43	ITH 012	124044																	<0.41	<0.87	<8.28	
01U106	07-Sep-94	F44	ITP 005	208191																	<0.41	<0.87	<8.28	
01U106	06-Mar-95	F46	DRK 008	4986-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41				
01U107	08-Mar-94	F42	ITA 012	48275																	<0.41	<0.87	<8.28	
01U107	07-Jun-94	F43	ITH 011	124044																	<0.41	<0.87	<8.28	
01U107	06-Sep-94	F44	ITR 017	208191																	<0.41	<0.87	<8.28	
01U108	20-Oct-92	F36	IBK 006		22.80	23.60	<1.00	14.40			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20				
01U108	03-Nov-92	F37	IBL 005		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20				
01U108	01-Dec-92	F37	IBM 005		210.00	210.00	<10.00	190.00			<19.00	<10.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00				
01U108	05-Jan-93	F38	IBN 007		53.00	67.00	<2.00	57.00			<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40				
01U108	02-Feb-93	F38	IBO 005		31.00	34.00	<2.00	17.00			<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40				
01U108	02-Mar-93	F38	IBR 004		25.40	27.70	<1.00	10.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20				
01U108	19-Apr-93	F39	IHQ 004		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20				
01U108	07-May-93	F39	IHS 005		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20				
01U108 (4)	07-May-93	F39	IHS 006		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20				
01U108	01-Jun-93	F39	IHU 005		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20				
01U108	22-Jul-93	F40	IHX 004		3.92	2.74	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20				
01U108	16-Aug-93	F40	IHY 005		22.10	8.59	<1.00	4.67			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20				
01U108	14-Sep-93	F40	IKD 005		13.90	5.68	<1.00	5.45			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20				
01U108	27-Oct-93	F41	IKI 008	274500	12.40	8.08	<1.00	7.81			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20				
01U108	09-Dec-93	F41	IKL 007	NC	(7) 34.9	(7) 22.2	<1.00	15.80			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	(7) <0.72	<1.00	<1.00	<3.20				
01U108 (4)	09-Dec-93	F41	IKL 005	NC	(7) 4.93	(7) 2.61	<1.00	13.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	(7) 11.5	<1.00	<1.00	<3.20				
01U108	27-Jan-94	F42	IKN 005	13234	17.00	12.80	<1.00	2.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20				
01U108	15-Feb-94	F42	IKO 007	29327	58.20	35.30	<1.00	3.13			<1.90	<1.00	<1.00	<0.78	0.85	<1.30	<0.72	<1.00	<1.00	<3.20				
01U108	15-Mar-94	F42	ITD 008	53384																	<0.41	<0.87	<8.28	
01U108	15-Mar-94	F42	IUI 007	53384	4.44	1.60	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.33	<1.30	<0.72	<1.00	<1.00	<3.20				
01U108	21-Apr-94	F43	IUZ 007	83402	0.83	0.39	<1.00	15.70			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20				
01U108	08-Jun-94	F43	IVE 007	124044	2.72	1.06	<1.00	0.91			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20				
01U108	08-Jun-94	F43	ITI 007	124044																	<0.41	<0.87	<8.28	
01U108	07-Sep-94	F44	ITP 014	208191																	<0.41	<0.87	<8.28	
01U108	06-Mar-95	F46	DRK 015	4986-01 (6)	27.50	5.12	<1.01		1.70	<1.06	<4.10	<1.16	<1.52	<0.97	<4.83	<1.20	<1.08	<3.94	<4.47	<1.41				
01U108 (4)	06-Mar-95	F46	DRK 016	4986-01 (6)	26.10	5.01	<1.01		1.70	<1.06	<4.10	<1.16	<1.52	<0.97	<4.83	<1.20	<1.08	<3.94	<4.47	<1.41				
01U108	05-Sep-95	F48	EVG 003	NC	180.00	260.00	<1.01		88.00	<1.06	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	<1.08	<3.94	<4.47	<1.41				

TABLE II - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
01U109		08-Mar-94	F42	ITB 007	48275																	<0.41	<0.87	<8.28		
01U109		07-Jun-94	F43	ITJ 006	124044																	<0.41	<0.87	<8.28		
01U109		12-Sep-94	F44	ITU 005	NC																	<0.41	<0.87	<8.28		
01U109		06-Mar-95	F46	DRK 013	4986-01	3.74	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U109		06-Mar-95	F46	DRN 010	4986-01																	<0.50	<0.31	<0.54		
01U110		08-Mar-94	F42	ITB 006	48275																	<0.41	<0.87	<8.28		
01U110		07-Jun-94	F43	ITJ 005	124044 (6)																	<0.41	<0.87	<8.28		
01U110		12-Sep-94	F44	ITU 004	NC (6)																	<0.41	<0.87	<8.28		
01U110		06-Mar-95	F46	DRN 007	4986-01																	<0.50	<0.31	<0.54		
01U110		06-Mar-95	F46	DRK 012	4986-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U115		01-Mar-93	F38	IBP 015		<1.00	7.97	<1.00	17.90			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U115		01-Jun-93	F39	IHU 010		<1.00	7.90	<1.00	9.67			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U115	(4)	01-Jun-93	F39	IHU 011		<1.00	6.96	<1.00	8.88			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U115		07-Sep-93	F40	IHZ 006		<1.00	4.52	<1.00	50.10			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U115		27-Oct-93	F41	IKI 005	247500	<1.00	5.53	<1.00	46.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U115		27-Oct-93	M41			<0.20	6.00	<0.50		42.00	2.20	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
01U115		10-Mar-94	F42	ITC 004	48771																	0.49	<0.87	<8.28		
01U115		10-Mar-94	F42	IUF 004	48771	<1.00	7.02	56.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U115		09-Jun-94	F43	ITL 007	124850 (6)																	0.26	<0.87	<8.28		
01U115		09-Sep-94	F44	ITS 006	NC																	<0.41	<0.87	<8.28		
01U115		09-Sep-94	F44	IVT 006	NC	<1.00	1.50	14.70	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U115		22-Dec-94	F45	IZG 007	NC	<1.00	1.21	<1.00	4.75			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U115		07-Mar-95	F46	DRL 011	4990-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U115		05-Jun-95	F47	EDR 004	NC	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U115		05-Sep-95	F48	EVG 007	NC	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	<1.08	<3.94	<4.47	<1.41					
01U116		01-Mar-93	F38	IBP 014		<1.00	2.20	<1.00	2.30			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U116		09-Mar-94	F42	ITA 020	48275																	<0.41	<0.87	<8.28		
01U116		09-Mar-94	F42	IUD 014	48275	<1.00	2.09	<1.00	6.85			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U116		08-Jun-94	F43	ITJ 010	124044																	<0.41	<0.87	<8.28		
01U116		08-Sep-94	F44	ITS 004	209724																	<0.41	<0.87	<8.28		
01U116		08-Sep-94	F44	IVT 004	209724	<1.00	1.67	<1.00	2.34			<1.90	<1.00	<1.00	<0.78	0.55	<1.30	<0.72	<1.00	<1.00	<3.20					
01U116		22-Dec-94	F45	IZG 008	NC	<1.00	1.19	<1.00	0.90			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U116		07-Mar-95	F46	DRL 009	4990-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U116		05-Jun-95	F47	EDR 005	NC	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U116		05-Sep-95	F48	EVG 006	NC	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	<1.08	<3.94	<4.47	<1.41					
01U117		02-Mar-93	F38	FLV 004																		<2.00	<4.40	<41.00		
01U117		02-Mar-93	F38	IBU 004		<5.00	47.00	<5.00	160.00			<9.50	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
01U117		01-Jun-93	F39	IHU 009		3.80	28.00	<2.00	100.00			<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
01U117		07-Sep-93	F40	IHZ 007		4.57	13.70	<1.00	43.10			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	2.47	<1.00	<1.00	<3.20					
01U117		10-Mar-94	F42	ITC 009	NC (6)																	1.01	<0.87	<8.28		
01U117		10-Mar-94	F42	IUF 008	NC (6)	2.54	27.40	<1.00	78.00			<1.90	<1.00	<1.00	<0.78	0.35	<1.30	<0.72	<1.00	<1.00	<3.20					
01U117		08-Jun-94	F43	ITL 004	124044																	0.64	<0.87	<8.28		
01U117		09-Sep-94	F44	ITS 011	NC (6)																	<0.41	<0.87	<8.28		
01U117		09-Sep-94	F44	IVT 011	NC (6)	2.49	11.90	<1.00	36.20			<1.90	<1.00	<1.00	<0.78	0.41	<1.30	2.56	<1.00	<1.00	<3.20					
01U117		27-Dec-94	F45	IZG 014	310522	1.75	3.71	<1.00	1.44			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	1.05	<1.00	<1.00	<3.20					
01U117		08-Mar-95	F46	DRM 007	4998-01	<2.41	4.00	<1.01		17.70	1.39	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	2.25	<3.94	<4.47	<1.41					
01U117		05-Jun-95	F47	EDR 006	NC	<2.41	4.76	<1.01		16.30	1.33	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	2.85	<3.94	<4.47	<1.41					
01U117		06-Sep-95	F48	EVG 013	NC	<2.41	3.17	<1.01		14.80	<1.06	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	<1.08	<3.94	<4.47	<1.41					
01U118		08-Mar-94	F42	ITB 004	48275																	<0.41	<0.87	<8.28		
01U118		07-Jun-94	F43	ITH 007	124044																	<0.41	<0.87	<8.28		
01U118		06-Sep-94	F44	ITR 014	208191																	<0.41	<0.87	<8.28		
01U118		06-Mar-95	F46	DRK 006	4986-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U118		06-Mar-95	F46	DRN 006	4986-01																	<0.50	<0.31	<0.54		
01U119		01-Mar-93	F38	IBP 009		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U119		08-Mar-94	F42	ITA 015	48275 (6)																	<0.41	<0.87	<8.28		
01U119		08-Mar-94	F42	IUD 009	48275 (6)	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U119		07-Jun-94	F43	ITH 010	124044 (6)																	<0.41	<0.87	<8.28		
01U119		07-Jun-94	F43	ITL 005	124044 (6)																	<0.41	<0.87	<8.28		

TABLE II - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
01U119		07-Sep-94	F44	ITP 007	208191																	<0.41	<0.87	<8.28		
01U119		06-Mar-95	F46	DRK 011	4986-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U120		01-Mar-93	F38	IBP 011		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U120		09-Mar-94	F42	IUD 013	48275	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U120		09-Mar-94	F42	ITA 019	48275																					
01U120		08-Jun-94	F43	ITJ 009	124044																	<0.41	<0.87	<8.28		
01U120		08-Sep-94	F44	ITR 006	209724																	<0.41	<0.87	<8.28		
01U120		07-Mar-95	F46	DRL 008	4990-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41	<0.41	<0.87	<8.28		
01U125		02-Mar-93	F38	IBR 006		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U125		10-Mar-94	F42	IUF 007	NC	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.29	<1.30	<0.72	<1.00	<1.00	<3.20					
01U125		10-Mar-94	F42	ITC 008	NC																					
01U125		09-Jun-94	F43	ITL 015	124850																	<0.41	<0.87	<8.28		
01U125		09-Jun-94	F43	ITL 018	124850																	<0.41	<0.87	<8.28		
01U125		09-Sep-94	F44	IVT 009	NC	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.25	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
01U125		09-Sep-94	F44	ITS 009	NC																					
01U125		27-Dec-94	F45	IZG 013	310522	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
01U125		07-Mar-95	F46	DRL 006	4990-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U125		05-Jun-95	F47	EDR 007	NC	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U125		05-Sep-95	F48	EVG 005	NC	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	<1.08	<3.94	<4.47	<1.41					
01U126		02-Mar-93	F38	IBR 009		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U126	(4)	02-Mar-93	F38	IBR 010		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U126		09-Mar-94	F42	ITA 017	48275																					
01U126		09-Mar-94	F42	IUD 011	48275	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
01U126		07-Jun-94	F43	ITJ 007	124044																					
01U126		07-Sep-94	F44	ITR 004	208191 (6)																	<0.41	<0.87	<8.28		
01U127		01-Mar-93	F38	IBP 012		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
01U127		09-Mar-94	F42	ITA 018	124044																					
01U127		09-Mar-94	F42	IUD 012	48275	1.30	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	1.30	<3.20					
01U127		07-Jun-94	F43	ITJ 008	124044																	<0.41	0.49	<8.28		
01U127		07-Sep-94	F44	ITR 005	208191																	<0.41	<0.87	<8.28		
01U127		07-Mar-95	F46	DRL 007	4990-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41	<0.41	<0.87	<8.28		
01U128		24-Mar-93	A38	IHO 004		<1.00	<0.50	<1.00	30.50		2.57	<1.90	<1.00	<1.00	1.20	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U128	(4)	24-Mar-93	A38	IHO 005		<1.00	<0.50	<1.00	28.20		2.17	<1.90	<1.00	<1.00	0.97	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U128		01-Mar-94	A42	IKQQ 012	39039	<1.00	<0.50	<1.00	26.80		2.60	<1.90	<1.00	<1.00	1.15	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U128		01-Mar-94	M42			<1.00	<0.5	<1.00		32.00	4.00	<1.00	<2.00	<1.20	<1.00	<0.30	<1.70	<1.50	<1.00	<5.00	<5.00					
01U128		07-Mar-95	A46	IZK 008	53961	<1.00	<0.50	<1.00	15.30		2.17	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<1.00	<1.00		<1.00	<1.00
01U133		07-Mar-94	F42	ITA 009	NC																					
01U133		08-Jun-94	F43	ITJ 012	124044																	<0.41	<0.87	<8.28		
01U133		08-Sep-94	F44	ITQ 005	209724																	<0.41	<0.87	<8.28		
01U135		01-Mar-93	F38	IBQ 005		<1.00	<0.50	<1.00	0.73			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
01U135	(4)	01-Mar-93	F38	IBQ 006		<1.00	<0.50	<1.00	0.71			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U135		09-Mar-94	F42	ITB 015	48275																					
01U135		09-Mar-94	F42	IUE 009	48275	<1.00	<0.50	<1.00	0.55			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U135		08-Jun-94	F43	ITJ 016	124044																	<0.41	<0.87	<8.28		
01U135		08-Sep-94	F44	ITQ 009	209724																	<0.41	<0.87	<8.28		
01U135		08-Mar-95	F46	DRM 006	4998-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41	<0.41	<0.87	<8.28		
01U136		02-Mar-93	F38	IBR 005		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U136		09-Mar-94	F42	ITB 013	48275																					
01U136		09-Mar-94	F42	IUE 007	48275	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
01U136		08-Jun-94	F43	ITJ 015	124044																					
01U136		08-Sep-94	F44	ITQ 008	209724																	<0.41	<0.87	<8.28		
01U137		01-Mar-93	F38	IBP 006		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
01U137		08-Mar-94	F42	ITA 010	48275																					
01U137		08-Mar-94	F42	IUD 006	48275	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U137		07-Jun-94	F43	ITH 008	124044																	<0.41	<0.87	<8.28		
01U137		06-Sep-94	F44	ITR 015	208191																	<0.41	<0.87	<8.28		

TABLE II - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
01U137		06-Mar-95	F46	DRK 007	4986-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U138		02-Mar-93	F38	IBR 011		<1.00	1.58	<1.00	0.79			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U138		10-Mar-94	F42	IUF 006	NC	<1.00	0.87	<1.00	0.37			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U138		10-Mar-94	F42	ITD 004	NC																	<0.41	<0.87	<8.28		
01U138		10-Mar-94	F42	ITC 007	NC																	<0.41	<0.87	<8.28		
01U138		09-Jun-94	F43	ITL 014	124850																	<0.41	<0.87	<8.28		
01U138		09-Sep-94	F44	IVT 008	NC	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.36	<1.30	<0.72	<1.00	<1.00	<3.20					
01U138		09-Sep-94	F44	ITS 008	NC																					
01U138		22-Dec-94	F45	IZG 006	NC	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	<0.41	<0.87	<8.28		
01U138		07-Mar-95	F46	DRL 005	4990-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U138		05-Jun-95	F47	EDR 009	NC	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U138		05-Sep-95	F48	EVG 004	NC	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	<1.08	<3.94	<4.47	<1.41					
01U139		02-Mar-93	F38	IBU 007		<5.00	<2.50	<5.00	160.00			<9.50	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
01U139		02-Mar-93	F38	FLV 007																		11.00	<4.40	<41.00		
01U139		07-Sep-93	F40	IHZ 008		<5.00	4.20	<5.00	160.00			<9.50	6.20	<5.00	<3.90	<2.50	<6.50	4.30	<5.00	<5.00	<16.00					
01U139		27-Oct-93	F41	IKJ 004	274500	<1.00	2.29	<1.00	240.00			<1.90	<1.00	<1.00	<0.78	0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U139		27-Oct-93	M41			<0.20	2.70	<0.50		130.00	7.70	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
01U139		10-Mar-94	F42	ITB 014	48771																	39.00	<8.70	<83.00		
01U139		10-Mar-94	F42	IUE 008	48771	<10.00	<5.00	<10.00	290.00			<19.00	<10.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
01U139		10-Mar-94	M42			<1.00	1.60	<1.00		180.00	7.30	<1.00	<2.00	<1.20	<1.00	<0.30	<1.70	<1.50	<1.00	<5.00	<5.00	55.00	<1.00		<1.00	1.20
01U139		08-Jun-94	F43	ITJ 017	124044 (6)																	4.66	<0.87	7.41		
01U139		08-Jun-94	F43	ITL 006	124044 (6)																	4.49	<0.87	<8.28		
01U139		09-Sep-94	F44	ITR 012	NC																	1.09	<0.87	<8.28		
01U139		27-Dec-94	F45	IZG 009	NC	<1.00	1.29	<1.00	47.70			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U139	(4)	27-Dec-94	F45	IZG 010	NC	<1.00	1.17	<1.00	44.10			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U139		07-Mar-95	F46	DRN 011	4990-01																	<0.50	<0.31	<0.54		
01U139		07-Mar-95	F46	DRL 014	4990-01	<2.41	<1.04	<1.01		13.30	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U139		06-Jun-95	F47	EDR 010	NC	<2.41	<1.04	<1.01		10.30	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U139		05-Sep-95	F48	EVG 011	NC	<2.41	<1.04	<1.01		16.20	<1.06	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	<1.08	<3.94	<4.47	<1.41					
01U140		02-Mar-93	F38	IBU 006		<10.00	<5.00	<10.00	290.00			<19.00	<10.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
01U140		02-Mar-93	F38	FLV 006																		23.00	<8.70	<83.00		
01U140		07-Sep-93	F40	IHZ 014		<1.00	0.58	<1.00	110.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U140		07-Mar-94	F42	ITA 006	NC																	6.46	<0.87	<8.28		
01U140		07-Mar-94	F42	IUD 004	NC	<1.00	0.58	<1.00	72.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U140		07-Mar-94	M42			<1.00	<0.5	<1.00		46.00	6.20	<1.00	<2.00	<1.20	<1.00	<0.30	<1.70	<1.50	<1.00	<5.00	<5.00	4.80	<1.00		<1.00	<1.00
01U140		08-Jun-94	F43	ITJ 018	124044																	7.61	<0.87	<8.28		
01U140		09-Sep-94	F44	ITR 013	NC																	6.20	<0.87	<8.28		
01U140		22-Dec-94	F45	IZG 004	NC	<1.00	0.65	<1.00	20.40			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U140		07-Mar-95	F46	DRL 015	4990-01 (6)	<2.41	<1.04	<1.01		(7) 9.32	1.46	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U140	(4)	07-Mar-95	F46	DRL 016	4990-01 (6)	<2.41	<1.04	<1.01		(7) 7.27	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U140		07-Mar-95	F46	DRN 012	4990-01 (6)																					
01U140	(4)	07-Mar-95	F46	DRN 013	4990-01 (6)																	1.16	<0.31	<0.54		
01U140		06-Jun-95	F47	EDR 011	NC	<2.41	<1.04	<1.01		19.80	3.70	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41	1.13	<0.31	<0.54		
01U140		05-Sep-95	F48	EVG 012	NC	<2.41	<1.04	<1.01		6.98	<1.06	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	<1.08	<3.94	<4.47	<1.41					
01U141		01-Mar-93	F38	IBP 005		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U141		08-Mar-94	F42	IUD 007	48275	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U141		08-Mar-94	F42	ITA 011	48275																					
01U141		07-Jun-94	F43	ITH 009	124044																	<0.41	<0.87	<8.28		
01U141		06-Sep-94	F44	ITR 016	208191																	<0.41	<0.87	<8.28		
																						<0.41	<0.87	<8.28		
01U157		10-Mar-94	F42	ITD 005	, NC																	51.00	<1.70	<17.00		
01U157		13-May-94	F43	IVB 008	106330	<1.00	1.48	<1.00	33.60			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	0.62	<3.20					
01U157	(4)	13-May-94	F43	IVC 005	106330	<1.00	1.62	<1.00	32.60			<1.90	<1.00	<1.00	<0.78	0.39	<1.30	<0.72	<1.00	<1.00	<3.20					
01U157		13-May-94	F43	ITF 011	106330																	1.07	<0.87	<8.28		
01U157	(4)	13-May-94	F43	ITG 005	106330																	0.86	<0.87	<8.28		
01U157		09-Jun-94	F43	ITL 016	124850																	0.84	<0.87	<8.28		
01U157		09-Sep-94	F44	IVT 010	NC	<1.00	0.69	<1.00	11.20			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U157		09-Sep-94	F44	ITS 010	NC																	1.60	<0.87	<8.28		
01U157		27-Dec-94	F45	IZG 012	310522	<1.00	3.49	<1.00	32.90			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U157		07-Mar-95	F46	DRL 013	4990-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U157		06-Jun-95	F47	EDR 012	NC	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					

TABLE II - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
01U157		05-Sep-95	F48	EVG 010	NC	<2.41	1.69	<1.01		1.69	<1.06	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	<1.08	<3.94	<4.47	<1.41					
01U158		10-Mar-94	F42	ITC 015	48771																	1.38	<0.87	<8.28		
01U158		13-May-94	F43	IVB 015	106330	2.20	2.80	<2.00	220.00			<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
01U158		13-May-94	F43	ITF 012	106330																	24.00	<1.70	<17.00		
01U158		09-Jun-94	F43	ITL 013	124850																	1.92	<0.87	<8.28		
01U158		09-Jun-94	F43	ITL 017	124850																	1.51	<0.87	<8.28		
01U158		09-Sep-94	F44	IVT 007	NC	<1.00	0.68	<1.00	6.58			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U158		09-Sep-94	F44	ITS 007	NC																	0.44	<0.87	<8.28		
01U158		27-Dec-94	F45	IZG 011	310522	<1.00	0.78	<1.00	8.57			<1.90	0.79	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U158		07-Mar-95	F46	DRL 012	4990-01	<2.41	<1.04	<1.01		4.01	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U158		06-Jun-95	F47	EDR 013	NC	<2.41	<1.04	<1.01		2.06	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U158		05-Sep-95	F48	EVG 008	NC	<2.41	<1.04	<1.01		1.84	<1.06	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	<1.08	<3.94	<4.47	<1.41					
01U350		20-Oct-92	F36	IBK 009		39.40	18.80	<1.00	33.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	1.02	<1.00	<1.00	<3.20					
01U350		03-Nov-92	F37	IBL 008		55.00	24.00	<2.00	41.00			<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	1.70	<2.00	<2.00	<6.40					
01U350		01-Dec-92	F37	IBM 007		53.00	24.00	<2.00	50.00			<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	1.70	<2.00	<2.00	<6.40					
01U350		05-Jan-93	F38	IBN 008		35.00	19.00	<2.00	35.00			<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	3.00	<2.00	<2.00	<6.40					
01U350		02-Feb-93	F38	IBO 007		33.00	19.00	<2.00	35.00			<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	1.70	<2.00	<2.00	<6.40					
01U350		02-Mar-93	F38	IBR 018		33.60	19.30	<1.00	33.30			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	2.42	<1.00	<1.00	<3.20					
01U350		19-Apr-93	F39	IHP 006		24.00	15.00	<2.00	22.00			<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	2.70	<2.00	<2.00	<6.40					
01U350		07-May-93	F39	IHS 007		28.50	15.90	<1.00	23.70			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	4.60	<1.00	<1.00	<3.20					
01U350		01-Jun-93	F39	IHU 006		19.30	10.50	<1.00	15.80			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	4.45	<1.00	<1.00	<3.20					
01U350		22-Jul-93	F40	IHX 005		23.80	10.70	<1.00	18.70			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	14.10	<1.00	<1.00	<3.20					
01U350		16-Aug-93	F40	IHY 006		19.30	9.43	<1.00	21.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	12.30	<1.00	<1.00	<3.20					
01U350		14-Sep-93	F40	IKD 006		24.90	11.40	<1.00	26.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	15.90	<1.00	<1.00	<3.20					
01U350		27-Oct-93	F41	IKI 009	NC	26.90	10.30	<1.00	23.60			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	28.00	<1.00	<1.00	<3.20					
01U350		09-Dec-93	F41	IKL 006	NC	37.70	13.70	<1.00	31.30			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	19.10	<1.00	<1.00	<3.20					
01U350		27-Jan-94	F42	IKN 007	13234 (6)	35.80	14.70	<1.00	31.20			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	17.00	<1.00	<1.00	<3.20					
01U350	(4)	27-Jan-94	F42	IKN 008	13234	31.80	15.00	<1.00	29.60			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	20.80	<1.00	<1.00	<3.20					
01U350		15-Feb-94	F42	IKO 008	29327	38.70	15.10	<1.00	27.50			<1.90	<1.00	<1.00	<0.78	0.90	<1.30	13.60	<1.00	<1.00	<3.20					
01U350		15-Mar-94	F42	ITD 011	53384																	0.43	0.58	56.10		
01U350		15-Mar-94	F42	IUI 010	53384	40.70	22.20	<1.00	31.90			<1.90	<1.00	<1.00	<0.78	0.34	<1.30	11.70	<1.00	<1.00	<3.20					
01U350		21-Apr-94	F43	IUZ 008	83402	32.80	12.30	<1.00	21.20			<1.90	<1.00	<1.00	<0.78	0.44	<1.30	10.00	<1.00	<1.00	<3.20					
01U350		13-May-94	F43	IVC 007	106330	50.60	18.00	<1.00	41.00			<1.90	<1.00	<1.00	<0.78	0.37	<1.30	10.90	<1.00	<1.00	<3.20					
01U350		08-Jun-94	F43	IVF 006	124044	34.10	12.90	<1.00	31.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	19.40	<1.00	<1.00	<3.20					
01U350		08-Jun-94	F43	ITK 004	124044																	0.34	0.97	37.50		
01U350		07-Sep-94	F44	IVO 005	208191	18.80	12.90	<1.00	29.40			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	10.10	<1.00	<1.00	<3.20					
01U350		07-Sep-94	F44	ITO 004	208191																	<2.00	<4.40	<41.00		
01U351		11-Mar-94	F42	ITC 019	NC																	<0.41	<0.87	<8.28		
01U351		13-May-94	F43	IVB 004	106330	<1.00	0.59	<1.00	2.64			<1.90	0.58	<1.00	<0.78	0.40	<1.30	<0.72	<1.00	<1.00	<3.20					
01U351		13-May-94	F43	ITF 004	106330																	<0.41	<0.87	<8.28		
01U351		09-Jun-94	F43	ITL 008	124850																	1.17	<0.87	<8.28		
01U351		09-Jun-94	F43	IVG 005	125210	3.70	4.27	<1.00	34.20			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U351		06-Jul-94	F44	IVJ 005	144800	1.58	3.47	<1.00	18.40			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	0.72	<1.00	<1.00	<3.20					
01U351		03-Aug-94	F44	IVL 007	172073	1.14	2.59	<1.00	11.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	0.50	<1.00	<1.00	<3.20					
01U351		07-Sep-94	F44	IVP 008	207160	0.81	2.67	<1.00	9.19			<1.90	<1.00	<1.00	<0.78	0.91	<1.30	<0.72	<1.00	<1.00	<3.20					
01U351		07-Sep-94	F44	ITP 016	208191																	<0.41	<0.87	<8.28		
01U351		10-Oct-94	F45	IVY 004	237256	<1.00	2.55	<1.00	7.56			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U351		08-Nov-94	F45	IZA 004		<1.00	1.54	<1.00	2.48			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U351		05-Dec-94	F45	IZC 008	285544	<1.00	1.26	<1.00	1.60			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U351		17-Jan-95	F46	IZI 009	10189	<1.00	1.07	<1.00	1.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U351		03-Mar-95	F46	DRJ 009	4979-01	<2.41	1.67	<1.01		1.47	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U351		03-Apr-95	F47	DSG 008	5170-01	<2.41	2.15	<1.01		2.11	<1.06	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	<1.08	<3.94	<4.47	<1.41					
01U351		08-May-95	F47	DYT 008	5405-01	<2.41	1.82	<1.01		1.90	<1.06	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	<1.08	<3.94	<4.47	<1.41					
01U351		11-Jul-95	F48	ENF 008	6038-01	<2.41	1.72	<1.01		1.60	<1.06	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	<1.08	<3.94	<4.47	<1.41					
01U351		08-Aug-95	F48	ESH 008	6304-01	<2.41	1.87	<1.01		2.06	<1.06	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	<1.08	<3.94	<4.47	<1.41					
01U351		07-Sep-95	F48	EWB 007	6479-01	<2.41	1.72	<1.01		2.09	<1.06	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	<1.08	<3.94	<4.47	<1.41					
01U352		11-Mar-94	F42	ITD 006	NC																	8.83	<0.87	<8.28		
01U352		13-May-94	F43	IVB 005	106330	<1.00	<0.50	<1.00	5.36			<1.90	<1.00	<1.00	<0.78	0.30	<1.30	<0.72	<1.00	<1.00	<3.20					
01U352		13-May-94	F43	ITF 005	106330																	3.11	<0.87	<8.28		
01U352		09-Jun-94	F43	ITM 004	124850																	270.00	3.14	35.30		
01U352		09-Jun-94	F43	IVG 004	125210	<10.00	3.20	<10.00	540.00			<19.00	<10.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					

TABLE II - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
01U352		06-Jul-94	F44	IVJ 004	144800	<5.00	5.00	<5.00	200.00			<9.50	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
01U352		03-Aug-94	F44	IVM 005	172073	0.59	3.76	<1.00	110.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U352		07-Sep-94	F44	IVP 009	207160	<5.00	5.90	<5.00	140.00			<9.50	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
01U352		07-Sep-94	F44	ITP 010	208191																	29.00	<4.40	<41.00		
01U352		07-Sep-94	F44	ITQ 004	208191																	25.00	<0.87	5.51		
01U352		10-Oct-94	F45	IVY 005	237256	<1.00	3.03	<1.00	36.60			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	0.48	<1.00	<1.00	<3.20					
01U352		08-Nov-94	F45	IZA 005		<1.00	3.57	<1.00	42.20			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U352		05-Dec-94	F45	IZC 009	285544	<1.00	4.20	<1.00	35.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U352		17-Jan-95	F46	IZI 010	10189	<1.00	3.81	<1.00	20.30			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U352		03-Mar-95	F46	DRJ 017	4979-01	<2.41	6.91	<1.01		30.50	3.88	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	2.85	<3.94	<4.47	<1.41					
01U352		11-Jul-95	F48	ENF 010	6038-01	<2.41	1.45	<1.01		9.43	<1.06	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	1.76	<3.94	<4.47	<1.41					
01U352		08-Aug-95	F48	ESH 009	6304-01	<2.41	2.94	<1.01		18.10	1.87	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	1.55	<3.94	<4.47	<1.41					
01U352		07-Sep-95	F48	EWB 009	6479-01	<2.41	<1.04	<1.01		3.94	<1.06	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	1.44	<3.94	<4.47	<1.41					
01U353		11-Mar-94	F42	ITC 018	NC																	3.52	<0.87	<8.28		
01U353		13-May-94	F43	ITF 006	106330																	0.49	<0.87	<8.28		
01U353		13-May-94	F43	IVB 006	106330	<1.00	1.03	<1.00	24.40			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	0.76	<3.20					
01U353		09-Jun-94	F43	ITL 009	124850																	110.00	1.92	17.30		
01U353		09-Jun-94	F43	IVG 006	125210	<5.00	7.00	<5.00	440.00			<9.50	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
01U353		06-Jul-94	F44	IVK 005	144800	<2.00	8.80	<2.00	250.00			<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
01U353		03-Aug-94	F44	IVM 006	172073	<1.00	7.88	<1.00	190.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U353		07-Sep-94	F44	IVP 010	207160	<5.00	13.00	<5.00	230.00			<9.50	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
01U353		07-Sep-94	F44	ITP 009	208191																	29.00	<4.40	<41.00		
01U353		10-Oct-94	F45	IVY 006	237256	<2.00	11.00	<2.00 (7)	150.00			<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
01U353	(4)	10-Oct-94	F45	IVY 007	237256	<2.00	9.40	<2.00 (7)	270.00			<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
01U353		08-Nov-94	F45	IZB 004		0.80	10.20	<1.00	230.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U353		05-Dec-94	F45	IZD 006	285544	<1.00	9.94	<1.00	350.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U353		17-Jan-95	F46	IZI 004	10189	<10.00	2.90	<10.00	250.00			<19.00	<10.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
01U353		03-Mar-95	F46	DRJ 016	4979-01	<2.41	3.00	<1.01		67.00	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U353		03-Apr-95	F47	DTI 008	5170-01	<12.00	<5.20	<5.00		18.00	7.90	<21.00	<5.80	<7.60	<4.90	<20.00	<6.00	<3.40	<20.00	<22.00	<7.00					
01U353		08-May-95	F47	DYT 009	5405-01	<2.41	4.58	<1.01		210.00	9.10	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	2.47	<3.94	<4.47	<1.41					
01U353		11-Jul-95	F48	ENF 011	6038-01	<24.00	<10.00	<10.00		140.00	<11.00	<41.00	<12.00	<15.00	<9.70	<39.00	<12.00	<11.00	<39.00	<45.00	<14.00					
01U353		08-Aug-95	F48	ESH 010	6304-01	<12.00	<5.20	<5.00		210.00	<5.30	<21.00	<5.80	<7.60	<4.90	<20.00	<6.00	<3.40	<20.00	<22.00	<7.00					
01U353		07-Sep-95	F48	EWB 011	6479-01	<12.00	<5.20	<5.00		360.00	6.70	<21.00	<5.80	<7.60	<4.90	<20.00	<6.00	14.00	<20.00	<22.00	<7.00					
01U354		10-Mar-94	F42	ITC 016	NC																	<0.41	<0.87	<8.28		
01U354		13-May-94	F43	ITF 007	106330																	<0.41	<0.87	<8.28		
01U354		13-May-94	F43	IVB 007	106330	<1.00	0.32	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U354		09-Jun-94	F43	ITM 005	124850																	0.31	<0.87	<8.28		
01U354		09-Jun-94	F43	IVG 007	125210	<1.00	0.56	<1.00	3.03			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U354		06-Jul-94	F44	IVJ 006	144800	<1.00	0.49	<1.00	6.61			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	0.66	<3.20					
01U354		03-Aug-94	F44	IVL 008	172073	<1.00	0.34	<1.00	14.30			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U354		07-Sep-94	F44	IVP 011	207160	<1.00	0.72	<1.00	28.00			<1.90	<1.00	<1.00	<0.78	0.44	<1.30	<0.72	<1.00	<1.00	<3.20					
01U354		07-Sep-94	F44	ITP 015	208191																	1.58	<0.87	<8.28		
01U354		07-Sep-94	F44	ITQ 014	208191																	1.90	<0.87	<8.28		
01U354		10-Oct-94	F45	IVY 008	237256	<1.00	0.65	<1.00	23.10			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U354		08-Nov-94	F45	IZA 006		<1.00	0.52	<1.00	19.10			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U354		05-Dec-94	F45	IZD 004	285544	<1.00	0.61	<1.00	17.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U354	(4)	05-Dec-94	F45	IZC 010	285544	<1.00	0.59	<1.00	16.40			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U354		17-Jan-95	F46	IZI 016	10189	<1.00	0.74	<1.00	14.70			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U354		03-Mar-95	F46	DRJ 011	4979-01	<2.41	<1.04	<1.01		22.50	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U354		03-Apr-95	F47	DSG 010	5170-01	<2.41	1.37	<1.01		16.10	<1.06	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	<1.08	<3.94	<4.47	<1.41					
01U354		08-May-95	F47	DYT 011	5405-01	<2.41	<1.04	<1.01		9.17	<1.06	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	<1.08	<3.94	<4.47	<1.41					
01U354		11-Jul-95	F48	ENH 004	6038-01	<2.41	<1.04	<1.01		5.64	<1.06	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	<1.08	<3.94	<4.47	<1.41					
01U354		08-Aug-95	F48	ESI 004	6304-01	<2.41	<1.04	<1.01		3.71	<1.06	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	<1.08	<3.94	<4.47	<1.41					
01U354		07-Sep-95	F48	EWC 004	6479-01	<2.41	<1.04	<1.01		1.19	<1.06	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	<1.08	<3.94	<4.47	<1.41					
01U355		10-Mar-94	F42	ITC 005	48771																	18.00	<0.87	<8.28		
01U355		13-May-94	F43	IVB 012	106330	<1.00	0.80	<1.00	83.00			<1.90	<1.00	<1.00	<0.78	0.48	<1.30	0.58	<1.00	<1.00	<3.20					
01U355		13-May-94	F43	ITF 008	106330																	10.20	<0.87	<8.28		
01U355		09-Jun-94	F43	ITL 010	124850																	30.00	<0.87	<8.28		
01U355		09-Jun-94	F43	IVG 008	125210	<1.00	1.48	<1.00	220.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U355		06-Jul-94	F44	IVK 006	144800	<2.00	1.70	<2.00	150.00			<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
01U355		03-Aug-94	F44	IVM 007	172073	<1.00	1.54	<1.00	140.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U355		07-Sep-94	F44	IVQ 004	207160	<2.00	1.70	<2.00	100.00			<3.80	<2.00	<2.00	<1.60	0.53	<2.60	<1.40	<2.00	<2.00	<6.40					

TABLE II - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
01U355		08-Sep-94	F44	ITQ 010	209724																	10.80	<0.87	<8.28		
01U355		08-Sep-94	F44	ITR 009	209724																	9.49	<0.87	<8.28		
01U355		10-Oct-94	F45	IVY 009	237256	<5.00	2.00	<5.00	110.00			<9.50	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
01U355		08-Nov-94	F45	IZB 005		<1.00	1.14	<1.00	72.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U355		05-Dec-94	F45	IZC 011	285544	<2.00	1.30	<2.00	61.00			<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
01U355		17-Jan-95	F46	IZI 012	10189	<2.00	0.75	<2.00	68.00			<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
01U355		03-Mar-95	F46	DRJ 015	4979-01	<2.41	<1.04	<1.01		53.00	3.90	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U355		03-Apr-95	F47	DTI 007	5170-01	<4.80	<2.10	<2.00		56.00	5.40	<8.20	<2.30	<3.00	<1.90	<7.90	<2.40	<2.20	<7.90	<8.90	<2.80					
01U355		08-May-95	F47	DYT 015	5405-01	<4.80	<2.10	<2.00		44.00	3.90	<8.20	<2.30	<3.00	<1.90	<7.90	<2.40	<2.20	<7.90	<8.90	<2.80					
01U355		11-Jul-95	F48	ENH 009	6038-01	<2.41	<1.04	<1.01		30.50	2.37	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	2.24	<3.94	<4.47	<1.41					
01U355		08-Aug-95	F48	ESI 009	6304-01	<2.41	<1.04	<1.01		27.60	2.01	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	2.30	<3.94	<4.47	<1.41					
01U355		07-Sep-95	F48	EWC 009	6479-01	<2.41	<1.04	<1.01		30.00	1.82	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	1.98	<3.94	<4.47	<1.41					
01U356		10-Mar-94	F42	ITB 016	48771																	3.07	<0.87	<8.28		
01U356		13-May-94	F43	ITF 009	106330																	3.40	<1.70	<17.00		
01U356		13-May-94	F43	IVB 013	106330	<2.00	3.40	<2.00	350.00			<3.80	<2.00	<2.00	<1.60	0.69	<2.60	<1.40	<2.00	<2.00	<6.40					
01U356		09-Jun-94	F43	ITL 011	124850																	3.11	<0.87	<8.28		
01U356		09-Jun-94	F43	IVG 009	125210	<1.00	2.42	<1.00	290.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U356		06-Jul-94	F44	IVK 007	144800	<5.00	2.00	<5.00	160.00			<9.50	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
01U356		03-Aug-94	F44	IVN 004	172073	<1.00	1.35	<1.00	130.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U356		07-Sep-94	F44	IVP 012	207160	<2.00	1.40	<2.00	100.00			<3.80	<2.00	<2.00	<1.60	0.69	<2.60	0.89	<2.00	<2.00	<6.40					
01U356		08-Sep-94	F44	ITQ 011	209724																	4.64	<0.87	<8.28		
01U356		10-Oct-94	F45	IVY 010	237256	<1.00	1.35	<1.00	<0.50			<1.90	<1.00	<1.00	78.00	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U356		08-Nov-94	F45	IZB 006		<1.00	0.99	<1.00	65.00			<1.90	0.76	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U356		05-Dec-94	F45	IZC 012	285544	<2.00	1.20	<2.00	59.00			<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
01U356		03-Mar-95	F46	DRJ 014	4979-01	<4.80	<2.10	<2.00		51.00	5.60	<8.20	<2.30	<3.00	<1.90	<7.90	<2.40	<2.20	<7.90	<8.90	<2.80					
01U356		03-Apr-95	F47	DTI 004	5170-01	<4.80	<2.10	<2.00		46.00	6.80	<8.20	<2.30	<3.00	<1.90	<7.90	<2.40	<2.20	<7.90	<8.90	<2.80					
01U356		08-May-95	F47	DYT 016	5405-01	<4.80	<2.10	<2.00		32.00	4.40	<8.20	<2.30	<3.00	<1.90	<7.90	<2.40	<2.20	<7.90	<8.90	<2.80					
01U356		11-Jul-95	F48	ENH 006	6038-01	<2.41	<1.04	<1.01		24.20	3.26	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	<1.08	<3.94	<4.47	<1.41					
01U356		08-Aug-95	F48	ESI 006	6304-01	<2.41	<1.04	<1.01		24.30	3.07	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	<1.08	<3.94	<4.47	<1.41					
01U356		07-Sep-95	F48	EWC 006	6479-01	<2.41	<1.04	<1.01		20.50	2.38	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	<1.08	<3.94	<4.47	<1.41					
01U357		10-Mar-94	F42	ITB 017	48771																	11.60	<0.87	<8.28		
01U357		13-May-94	F43	ITF 010	106330																	7.27	<0.87	<8.28		
01U357		13-May-94	F43	IVB 014	106330	<1.00	0.96	<1.00	54.00			<1.90	<1.00	<1.00	<0.78	0.44	<1.30	<0.72	<1.00	<1.00	<3.20					
01U357		09-Jun-94	F43	ITM 006	124850																	10.90	<0.87	<8.28		
01U357		09-Jun-94	F43	IVG 010	125210	<1.00	0.75	<1.00	68.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U357		06-Jul-94	F44	IVK 008	144800	<1.00	0.77	<1.00	70.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U357		03-Aug-94	F44	IVM 008	172073	<1.00	0.56	<1.00	65.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U357	(4)	03-Aug-94	F44	IVM 009	172073	<1.00	0.56	<1.00	76.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U357		07-Sep-94	F44	IVP 013	207160	<2.00	0.77	<2.00	63.00			<3.80	<2.00	<2.00	<1.60	0.59	<2.60	<1.40	<2.00	<2.00	4.30					
01U357		08-Sep-94	F44	ITQ 012	209724																	2.40	<0.87	<8.28		
01U357		08-Sep-94	F44	ITR 010	209724																	2.32	<0.87	<8.28		
01U357		10-Oct-94	F45	IVZ 005	237256	<1.00	0.66	<1.00	44.80			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U357		08-Nov-94	F45	IZA 007		<1.00	0.55	<1.00	51.40			<1.90	<1.00	<1.00	<0.78	0.32	<1.30	<0.72	<1.00	<1.00	<3.20					
01U357		05-Dec-94	F45	IZC 013	285544	<1.00	0.61	<1.00	37.90			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U357		17-Jan-95	F46	IZI 014	10189	<1.00	0.40	<1.00	33.10			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U357		03-Mar-95	F46	DRJ 018	4979-01	<2.41	<1.04	<1.01		50.40	6.22	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	2.54	<3.94	<4.47	<1.41					
01U357		03-Apr-95	F47	DTI 003	5170-01	<2.41	<1.04	<1.01		46.50	8.40	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	<1.08	<3.94	<4.47	<1.41					
01U357		08-May-95	F47	DYT 017	5405-01	<2.41	<1.04	<1.01		40.30	6.16	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	1.89	<3.94	<4.47	<1.41					
01U357		11-Jul-95	F48	ENH 008	6038-01	<2.41	<1.04	<1.01		26.90	3.96	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	1.53	<3.94	<4.47	<1.41					
01U357		08-Aug-95	F48	ESI 008	6304-01	<2.41	<1.04	<1.01		26.00	3.50	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	<1.08	<3.94	<4.47	<1.41					
01U357		07-Sep-95	F48	EWC 007	6479-01	<2.41	<1.04	<1.01		21.60	2.63	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	1.41	<3.94	<4.47	<1.41					
01U358		10-Mar-94	F42	ITC 014	48771																	<0.41	<0.87	<8.28		
01U358		13-May-94	F43	IVB 016	106330	<1.00	<0.50	<1.00	1.08			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U358		13-May-94	F43	ITF 016	106330																	0.22	<0.87	<8.28		
01U358		09-Jun-94	F43	ITL 012	124850																	3.80	<0.87	<8.28		
01U358		09-Jun-94	F43	IVG 011	125210	<1.00	<0.50	<1.00	28.60			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U358		06-Jul-94	F44	IVJ 007	144800	<1.00	0.33	<1.00	34.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U358		03-Aug-94	F44	IVL 009	172073	<1.00	0.31	<1.00	34.70			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U358		07-Sep-94	F44	IVP 014	207160	<1.00	0.45	<1.00	32.00			<1.90	<1.00	<1.00	<0.78	(7) 0.64	<1.30	<0.72	<1.00	<1.00	<3.20					
01U358	(4)	07-Sep-94	F44	IVP 015	207160	<1.00	0.47	<1.00	32.50			<1.90	<1.00	<1.00	<0.78	(7) 0.49	<1.30	<0.72	<1.00	<1.00	<3.20					
01U358		08-Sep-94	F44	ITQ 013	209724																	1.94	<0.87	<8.28		
01U358		10-Oct-94	F45	IVZ 006	237256	<1.00	0.41	<1.00	28.80			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					

TABLE II - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
01U358		08-Nov-94	F45	IZB 007		<1.00	0.40	<1.00	28.50			<1.90	<1.00	<1.00	<0.78	0.33	<1.30	<0.72	<1.00	<1.00	<3.20					
01U358	(4)	08-Nov-94	F45	IZB 008		<1.00	0.49	<1.00	29.30			<1.90	<1.00	<1.00	<0.78	0.35	<1.30	<0.72	<1.00	<1.00	<3.20					
01U358		05-Dec-94	F45	IZC 014	285544	<1.00	0.38	<1.00	26.60			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U358		17-Jan-95	F46	IZI 013	10189	<1.00	0.32	<1.00	28.40			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U358	(4)	17-Jan-95	F46	IZI 015	10189	<1.00	0.31	<1.00	29.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U358		03-Mar-95	F46	DRJ 012	4979-01	<2.41	<1.04	<1.01		28.40	3.43	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U358		03-Apr-95	F47	DSG 011	5170-01	<2.41	<1.04	<1.01		29.50	4.66	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	<1.08	<3.94	<4.47	<1.41					
01U358		08-May-95	F47	DYT 012	5405-01	<2.41	<1.04	<1.01		20.20	2.55	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	3.44	<3.94	<4.47	<1.41					
01U358		11-Jul-95	F48	ENH 005	6038-01	<2.41	<1.04	<1.01		13.00	1.51	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	<1.08	<3.94	<4.47	<1.41					
01U358		08-Aug-95	F48	ESI 005	6304-01	<2.41	<1.04	<1.01		10.10	1.54	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	1.75	<3.94	<4.47	<1.41					
01U358		07-Sep-95	F48	EWC 005	6479-01	<2.41	<1.04	<1.01		14.50	1.44	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	<1.08	<3.94	<4.47	<1.41					
01U526		05-Mar-93	F38	IBW 008		<1.00	2.75	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U526		17-Mar-94	F42	IUN 016	NC	<1.00	1.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U526		10-Mar-95	F46	DRO 015	5027-01 (6)	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U604		27-Mar-93	A38	IHO 014		<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U604		01-Mar-94	A42	IKQQ 008	39039	<1.00	1.16	<1.00	0.59		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U604		07-Mar-95	A46	IZK 011	53961	<1.00	0.31	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U611		27-Mar-93	A38	IHO 016		<2000.00	81000.00	<2000.00	<1000.00		<600.00	<3800.00	<2000.00	<2000.00	<1600.00	<1000.00	<2600.00	<1400.00	<2000.00	<2000.00	<6400.00					
01U611		01-Mar-94	A42	IKQQ 013	39039	<5000.00	180000.00	<5000.00	3900.00		<1500.00	<9500.00	<5000.00	<5000.00	<3900.00	<2500.00	<6500.00	<3600.00	<5000.00	<5000.00	<16000.00					
01U611		07-Mar-95	A46	IZK 005	53961	<500.00	35000.00	<500.00	5100.00		<150.00	<950.00	<500.00	<500.00	<390.00	<250.00	<650.00	<360.00	<500.00	<500.00	<1600.00					
01U615		24-Mar-93	A38	IHO 011		<500.00	17000.00	<500.00	930.00		<150.00	<950.00	<500.00	<500.00	<390.00	<250.00	<650.00	<360.00	<500.00	<500.00	<1600.00					
01U615		01-Mar-94	A42	IKQQ 004	39039	<200.00	17000.00	<200.00	920.00		80.00	<380.00	<200.00	<200.00	<160.00	<100.00	<260.00	<140.00	<200.00	<200.00	<640.00					
01U615		07-Mar-95	A46	IZK 004	53961	<250.00	12000.00	<250.00	1100.00		240.00	<480.00	<250.00	<250.00	<200.00	<130.00	<330.00	<180.00	<250.00	<250.00	<800.00					
01U617		24-Mar-93	A38	IHO 006		<1.00	1.31	<1.00	2.66		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U617		16-Sep-93	A40	IKF 008		<1.00	0.99	<1.00	1.75		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U617	(4)	16-Sep-93	A40	IKF 009		<1.00	1.14	<1.00	1.84		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U617		01-Mar-94	A42	IKP 004	39039	<1.00	1.30	<1.00	1.85		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U617	(4)	01-Mar-94	A42	IKP 005	39039	<1.00	1.38	<1.00	2.27		<0.30	<1.90	<1.00	<1.00	<0.78	0.75	<1.30	<0.72	<1.00	<1.00	<3.20					
01U617		06-Sep-94	A44	ZVO 004	NC	<1.00	0.93	<1.00	2.00		<0.30	<1.90	<1.00	<1.00	<0.78	0.48	<1.30	<0.72	<1.00	<1.00	<3.20					
01U617		07-Mar-95	A46	IZK 015	53961	<1.00	0.78	<1.00	2.42		0.37	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U617		05-Sep-95	A48	HWC 004	258830	<1.00	0.86	<1.00	2.97		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U618		27-Mar-93	A38	IHO 015		<1.00	5.30	<1.00	1.13		<0.30	<1.90	<1.00	<1.00	0.85	<0.50	<1.30	<0.72	<1.00	42.50	<3.20					
01U618		01-Mar-94	A42	IKQQ 010	39039	<1.00	3.43	<1.00	1.01		<0.30	<1.90	<1.00	<1.00	1.72	<0.50	<1.30	<0.72	<1.00	5.83	<3.20					
01U618		07-Mar-95	A46	IZK 014	53961	<1.00	3.56	<1.00	1.00		<0.30	<1.90	<1.00	<1.00	1.84	<0.50	<1.30	<0.72	<1.00	5.66	<3.20					
01U619		24-Mar-93	A38	IHO 010		<1.00	2.00	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	2.23	<0.50	<1.30	<0.72	<1.00	4.91	<3.20					
01U619		01-Mar-94	A42	IKQQ 009	39039	<1.00	1.85	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	26.70	<3.20					
01U619		07-Mar-95	A46	IZL 007	53961	<1.00	2.48	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	0.55	<0.50	<1.30	<0.72	<1.00	380.00	<3.20					
01U621		24-Mar-93	A38	IHO 009		<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U621		16-Sep-93	A40	IKF 010		<1.00	<0.50	<1.00	3.21		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U621		01-Mar-94	A42	IKP 006	39039	<1.00	<0.50	<1.00	5.21		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U621		06-Sep-94	A44	ZVO 005	NC	<1.00	<0.50	<1.00	12.00		<0.30	<1.90	<1.00	<1.00	<0.78	0.27	<1.30	<0.72	<1.00	<1.00	<3.20					
01U621	(4)	06-Sep-94	A44	ZVO 006	NC	<1.00	<0.50	<1.00	12.10		<0.30	<1.90	<1.00	<1.00	<0.78	0.26	<1.30	<0.72	<1.00	<1.00	<3.20					
01U621		07-Mar-95	A46	IZK 013	53961	<1.00	<0.50	<1.00	9.64		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U621		05-Sep-95	A48	HWC 005	258830	<1.00	<0.50	<1.00	11.10		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U621	(4)	05-Sep-95	A48	HWC 006	258830	<1.00	<0.50	<1.00	11.70		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U639		11-Mar-94	A42	IUC 010	49735	<1.00	1.58	<1.00	1.25		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U901		01-Dec-92	F37	IBM 004		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U901		02-Mar-93	F38	IBR 007		<1.00	<0.50	<1.00	0.57			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U901		08-Sep-93	F40	IHZ 011		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U901	(4)	08-Sep-93	F40	IHZ 013		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U901		11-Mar-94	F42	ITC 013	NC																	<0.41	<0.87	<8.28		
01U901		11-Mar-94	F42	IUF 011	NC	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U901		09-Jun-94	F43	IVG 017	125210	<2.00	<1.00	<2.00	2.20			<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
01U901		10-Jun-94	F43	ITM 008	125865																					
01U901		06-Jul-94	F44	IVK 009	144800	<1.00	<0.50	<1.00	9.53			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20	11.40	11.00	<8.28		

TABLE II - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
01U901		03-Aug-94	F44	IVL 006	172073	<1.00	<0.50	<1.00	1.44			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U901		07-Sep-94	F44	IVP 007	207160	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.45	<1.30	<0.72	<1.00	<1.00	<3.20					
01U901		12-Sep-94	F44	ITT 005	NC																	<0.41	<0.87	<8.28		
01U901		12-Sep-94	F44	IVU 005	NC	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.44	<1.30	<0.72	<1.00	<1.00	<3.20					
01U901		10-Oct-94	F45	IVZ 011	237256	<1.00	<0.50	<1.00	0.39			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U901		08-Nov-94	F45	IZB 011		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U901		05-Dec-94	F45	IZC 007	285544	<1.00	<0.50	<1.00	1.25			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U901		17-Jan-95	F46	IZI 008	10189	<1.00	<0.50	<1.00	5.97			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U901		03-Mar-95	F46	DRJ 007	4979-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.83	<1.20	<1.08	<3.94	<4.47	<1.41					
01U901		03-Apr-95	F47	DSG 005	5170-01	<2.41	1.29	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	<1.08	<3.94	<4.47	<1.41					
01U901		01-May-95	F47	DYT 005	5405-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	<1.08	<3.94	<4.47	<1.41					
01U901		11-Jul-95	F48	ENF 004	6038-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	<1.08	<3.94	<4.47	<1.41					
01U901		08-Aug-95	F48	ESH 004	6304-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	<1.08	<3.94	<4.47	<1.41					
01U901		07-Sep-95	F48	EWB 004	6479-01	<2.41	1.33	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	<1.08	<3.94	<4.47	<1.41					
01U902		20-Oct-92	F36	IBK 004		<2.00	2.60	<2.00	85.00			<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
01U902		20-Oct-92	M37			<0.20	2.00	<0.50		76.00	3.10	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
01U902		03-Nov-92	F37	IBL 007		<1.00	2.55	<1.00	100.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U902		01-Dec-92	F37	IBM 009		<1.00	3.11	<1.00	120.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U902		05-Jan-93	F38	IBN 006		<2.00	<1.00	<2.00	48.00			<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
01U902		02-Feb-93	F38	IBO 004		<2.00	2.40	<2.00	100.00			<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
01U902	(4)	02-Feb-93	F38	IBO 010		<2.00	3.90	<2.00	100.00			<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
01U902		02-Mar-93	F38	IBQ 011		<1.00	2.40	<1.00	110.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U902	(4)	02-Mar-93	F38	IBR 012		<5.00	<2.50	<5.00	100.00			<9.50	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
01U902		18-Mar-93	F38	IHI 014		<1.00	2.40	<1.00	98.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U902		19-Mar-93	F38	FLW 004																		1.25	<0.87	<8.28		
01U902		19-Apr-93	F39	IHQ 005		<1.00	2.39	<1.00	120.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U902	(4)	19-Apr-93	F39	IHQ 006		<1.00	2.07	<1.00	98.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U902		07-May-93	F39	IHS 004		<2.00	2.40	<2.00	100.00			<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
01U902		01-Jun-93	F39	IHU 007		<2.00	1.70	<2.00	85.00			<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
01U902		22-Jul-93	F40	IHX 008		<1.00	1.96	<1.00	100.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U902		16-Aug-93	F40	IHY 004		<5.00	<2.50	<5.00	110.00			<9.50	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
01U902		14-Sep-93	F40	IKC 005		<1.00	1.89	<1.00	110.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U902	(4)	14-Sep-93	F40	IKC 006		<1.00	1.62	<1.00	100.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U902		27-Oct-93	F41	IKI 010		<1.00	1.67	<1.00	98.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U902		09-Dec-93	F41	IKL 008	NC	<1.00	1.68	<1.00	70.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U902		27-Jan-94	F42	IKN 006	13234	<1.00	1.76	<1.00	110.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U902		15-Feb-94	F42	IKO 004	29327	<1.00	2.02	<1.00	92.60			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U902		23-Mar-94	F42	ITE 004	62588 (6)																	1.70	<1.70	<17.00		
01U902		23-Mar-94	F42	IUW 006	62588 (6)	<2.00	2.00	<2.00	100.00			<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
01U902		24-Mar-94	M42			<0.20	2.40	0.60		98.00	5.70	<0.50	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	2.20	0.30		<0.20	0.40
01U902		21-Apr-94	F43	IUZ 004	83402	<5.00	(7) 2.50	<5.00	87.00			<9.50	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
01U902	(4)	21-Apr-94	F43	IUZ 005	83402	<5.00	(7) 1.60	<5.00	82.00			<9.50	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
01U902		09-Jun-94	F43	IVG 016	125210	<1.00	1.54	<1.00	100.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U902		10-Jun-94	F43	IVI 005	125865 (6)	<1.00	1.23	<1.00	94.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U902		10-Jun-94	F43	ITM 010	125865 (6)																	1.78	<0.87	<8.28		
01U902		06-Jul-94	F44	IVK 004	144800	<5.00	2.10	<5.00	98.00			<9.50	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
01U902		03-Aug-94	F44	IVM 004	172073	<1.00	1.52	<1.00	93.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U902		07-Sep-94	F44	IVP 006	207160	<5.00	1.60	<5.00	98.00			<9.50	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
01U902		12-Sep-94	F44	IVU 006	NC	<2.00	1.90	<2.00	100.00			<3.80	<2.00	<2.00	<1.60	0.53	<2.60	<1.40	<2.00	<2.00	<6.40					
01U902		12-Sep-94	F44	ITT 008	NC																	1.07	<0.87	<8.28		
01U902		10-Oct-94	F45	IVZ 010	237256	<1.00	1.41	<1.00	87.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U902		08-Nov-94	F45	IZB 013		<1.00	0.92	<1.00	65.00			<1.90	<1.00	<1.00	<0.78	0.28	<1.30	<0.72	<1.00	<1.00	<3.20					
01U902		05-Dec-94	F45	IZC 006	285544	<2.00	<1.00	<2.00	74.00			<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
01U902		17-Jan-95	F46	IZI 006	10189	<1.00	1.13	<1.00	92.00			<1.90	0.91	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U902		03-Mar-95	F46	DRJ 004	4979-01	<2.41	<1.04	<1.01		58.00	2.90	<4.10	<1.16	<1.52	<0.97	<4.83	<1.20	<1.08	<3.94	<4.47	<1.41					
01U902		03-Apr-95	F47	DTI 005	5170-01	<4.80	<2.10	<2.01		27.80	<1.06	<4.10	<2.30	<3.00	<0.97	<7.90	<2.40	<2.20	<7.90	<4.47	<1.41					
01U902		01-May-95	F47	DYT 014	5405-01	<4.80	<2.10	<2.00		44.00	<2.10	<8.20	<2.30	<3.00	<1.90	<7.90	<2.40	<2.20	<7.90	<8.90	<2.80					
01U902		11-Jul-95	F48	ENF 009	6038-01	<4.80	<2.10	<2.00		56.00	<2.10	<8.20	<2.30	<3.00	<1.90	<7.90	<2.40	<2.20	<7.90	<8.90	<2.80					
01U902		08-Aug-95	F48	ESH 011	6304-01	<2.41	<1.04	<1.01		43.00	1.95	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	<1.08	<3.94	<4.47	<1.41					
01U902		07-Sep-95	F48	EWB 010	6479-01	<2.41	1.53	<1.01		56.00	2.67	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	<1.08	<3.94	<4.47	<1.41					
01U903		11-Mar-94	F42	IUI 005	NC	<1.00	0.91	<1.00	1.02			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U903		13-May-94	F43	IVB 009	106330	<1.00	<0.50	<1.00	0.75			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U903		13-May-94	F43	ITF 013	106330																	<0.41	<0.87	<8.28		

TABLE II - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
01U903		09-Jun-94	F43	IVG 014	125210	<1.00	<0.50	<1.00	0.67			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U903		09-Jun-94	M43			<0.20	0.60	<0.50		1.00	0.10	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	1.20	1.80		0.40	0.90
01U903		09-Jun-94	M43			<0.20	0.60	<0.50		1.00	0.10	<0.50	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	1.20	1.80		0.40	0.90
01U903		10-Jun-94	F43	ITM 012	125865																	<0.41	<0.87	<8.28		
01U903		06-Jul-94	F44	IVJ 009	144800	<1.00	0.37	<1.00	0.55			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U903		03-Aug-94	F44	IVL 004	172073	<1.00	<0.50	<1.00	0.57			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U903		07-Sep-94	F44	IVP 004	207160	<1.00	0.55	<1.00	0.78			<1.90	0.61	<1.00	<0.78	0.51	<1.30	<0.72	<1.00	<1.00	1.91					
01U903		12-Sep-94	F44	IVU 015	NC	<1.00	0.42	<1.00	0.54			<1.90	<1.00	<1.00	<0.78	0.40	<1.30	<0.72	<1.00	<1.00	<3.20					
01U903		12-Sep-94	F44	ITT 009	NC																	<0.41	<0.87	<8.28		
01U903		10-Oct-94	F45	IVZ 008	237256	<1.00	0.52	<1.00	0.73			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U903		08-Nov-94	F45	IZB 009		<1.00	0.41	<1.00	0.65			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U903		05-Dec-94	F45	IZC 004	285544	<1.00	0.38	<1.00	0.60			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U903		17-Jan-95	F46	IZI 005	10189	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U903		03-Mar-95	F46	DRJ 003	4979-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U903		03-Apr-95	F47	DSG 006	5170-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	<1.08	<3.94	<4.47	<1.41					
01U903		01-May-95	F47	DYT 006	5405-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	<1.08	<3.94	<4.47	<1.41					
01U903		11-Jul-95	F48	ENF 005	6038-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	<1.08	<3.94	<4.47	<1.41					
01U903		08-Aug-95	F48	ESH 005	6304-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	<1.08	<3.94	<4.47	<1.41					
01U903		07-Sep-95	F48	EWB 005	6479-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	<1.08	<3.94	<4.47	<1.41					
01U904		11-Mar-94	F42	ITC 020	NC (6)																	2.41	<0.87	<8.28		
01U904		13-May-94	F43	IVB 010	106330	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U904	(4)	13-May-94	F43	IVC 004	106330 (6)	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	1.08	<3.20					
01U904		13-May-94	F43	ITF 014	106330																	<0.41	<0.87	<8.28		
01U904	(4)	13-May-94	F43	ITG 004	106330 (6)																	<0.41	<0.87	<8.28		
01U904		09-Jun-94	F43	IVG 015	125210	<1.00	0.58	<1.00	48.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U904		09-Jun-94	M43			<0.20	0.90	<0.50		51.00	5.20	<0.50	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	1.20	<0.20		<0.20	<0.20
01U904		09-Jun-94	M43			<0.20	0.90	<0.50		51.00	5.20	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	1.20	<0.20		<0.20	<0.20
01U904		10-Jun-94	F43	ITM 007	125865																	<0.41	<0.87	<8.28		
01U904		06-Jul-94	F44	IVJ 010	144800	<1.00	<0.50	<1.00	18.10			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U904		03-Aug-94	F44	IVL 005	172073	<1.00	<0.50	<1.00	2.06			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U904		07-Sep-94	F44	IVP 005	207160	<1.00	<0.50	<1.00	13.80			<1.90	0.65	<1.00	<0.78	0.52	<1.30	<0.72	<1.00	<1.00	1.51					
01U904		12-Sep-94	F44	ITT 006	NC																	<0.41	<0.87	<8.28		
01U904		12-Sep-94	F44	IVU 007	NC	<1.00	<0.50	<1.00	0.37			<1.90	<1.00	<1.00	<0.78	0.40	<1.30	<0.72	<1.00	<1.00	<3.20					
01U904		12-Sep-94	F44	IVU 009	NC	<1.00	71.00	5.10	1.43			<1.90	14.10	<1.00	11.40	0.68	<1.30	<0.72	<1.00	<1.00	<3.20					
01U904		10-Oct-94	F45	IVZ 009	237256	<1.00	<0.50	<1.00	17.90			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U904		08-Nov-94	F45	IZB 010		<1.00	<0.50	<1.00	19.40			<1.90	<1.00	<1.00	<0.78	0.25	<1.30	<0.72	<1.00	<1.00	<3.20					
01U904		05-Dec-94	F45	IZC 005	285544	<1.00	<0.50	<1.00	10.20			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U904		17-Jan-95	F46	IZI 007	10189	<1.00	<0.50	<1.00	2.59			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
01U904		03-Mar-95	F46	DRJ 008	4979-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
01U904		03-Apr-95	F47	DSG 007	5170-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	<1.08	<3.94	<4.47	<1.41					
01U904		01-May-95	F47	DYT 007	5405-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	<1.08	<3.94	<4.47	<1.41					
01U904		11-Jul-95	F48	ENF 006	6038-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	<1.08	<3.94	<4.47	<1.41					
01U904		08-Aug-95	F48	ESH 006	6304-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	<1.08	<3.94	<4.47	<1.41					
01U904		07-Sep-95	F48	EWB 006	6479-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	<1.08	<3.94	<4.47	<1.41					
03F302		03-Mar-93	A38	ZBT 005		<20.00	840.00	<20.00	28.00		<6.00	<38.00	45.00	<20.00	<16.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
03F302		15-Sep-93	A40	ZKD 013		<10.00	860.00	<10.00	26.00		<3.00	<19.00	35.00	<10.00	9.40	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03F302		03-Mar-94	A42	IKS 010	44113	<20.00	430.00	<20.00	<10.00		<6.00	<38.00	<20.00	<20.00	<16.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
03F302		07-Sep-94	A44	ZVQ 012	NA	<10.00	520.00	<10.00	16.00		<3.00	<19.00	16.00	<10.00	5.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03F302		14-Mar-95	A46	IZP 006	59420	<10.00	400.00	<10.00	13.00		<3.00	<19.00	15.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03F302	(4)	14-Mar-95	A46	IZP 007	59420	<10.00	390.00	<10.00	14.00		<3.00	<19.00	15.00	<10.00	4.10	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03F302		11-Sep-95	A48	HWD 011	267619	<20.00	360.00	<20.00	8.90		<180.00	<38.00	19.00	<20.00	<16.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
03F302	(4)	11-Sep-95	A48	HWD 012	267619	<20.00	360.00	<20.00	8.90		<180.00	<38.00	17.00	<20.00	<16.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
03F303		03-Mar-93	A38	ZBS 016		6.10	340.00	5.90	10.00		<1.50	<9.50	21.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
03F303		15-Sep-93	A40	IKE 004		<10.00	390.00	<10.00	9.80		<3.00	<19.00	41.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03F303	(4)	15-Sep-93	A40	ZKD 014		6.10	350.00	<5.00	7.60		<1.50	<9.50	33.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
03F303		03-Mar-94	A42	IKS 011	44113	<10.00	250.00	<10.00	<5.00		<3.00	<19.00	48.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03F303		07-Sep-94	A44	IVR 009	NA	5.10	160.00	9.30	4.60		<0.60	<3.80	41.00	2.50	4.60	1.30	<2.60	0.78	<2.00	<2.00	<6.40					
03F303	(4)	07-Sep-94	A44	IVR 010	NA	4.90	180.00	8.60	4.60		<0.60	<3.80	41.00	2.50	4.60	1.20	<2.60	<1.40	<2.00	<2.00	<6.40					
03F303		14-Mar-95	A46	IZQ 005	59420	3.80	120.00	8.60	3.50		<1.50	<9.50	33.00	<5.00	5.20	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
03F303		11-Sep-95	A48	HWD 010	267619	5.00	140.00	8.10	3.20		<44.00	<9.50	36.00	<5.00	4.50	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
03F304		03-Mar-93	A38	ZBS 015		<1.00	7.48	3.50	<0.50		<0.30	<1.90	25.80	1.27	1.87	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					

TABLE II - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
03F304	(4)	03-Mar-93	A38	ZBT 006		<1.00	8.84	3.43	<0.50		<0.30	<1.90	28.40	1.30	1.94	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03F304		15-Sep-93	A40	IKE 005		<1.00	12.10	4.78	<0.50		<0.30	<1.90	40.10	1.19	2.51	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03F304		03-Mar-94	A42	IKS 012	44113	<1.00	17.60	5.47	<0.50		<0.30	<1.90	39.20	<1.00	2.74	0.72	<1.30	<0.72	<1.00	<1.00	<3.20					
03F304		07-Sep-94	A44	IVR 011	NA	<1.00	31.50	8.94	0.47		<0.30	<1.90	38.20	1.05	3.98	0.97	<1.30	<0.72	<1.00	<1.00	<3.20					
03F304		14-Mar-95	A46	IZQ 006	59420	<1.00	19.50	4.92	0.42		<0.30	<1.90	17.90	0.64	3.76	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03F304		11-Sep-95	A48	HWD 009	267619	<1.00	27.40	6.28	0.57		<8.82	<1.90	19.30	<1.00	4.06	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03F305		03-Mar-93	A38	ZBT 007		<50.00	2600.00	140.00	65.00		<15.00	<95.00	1100.00	<50.00	170.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03F305		15-Sep-93	A40	IKE 006		<100.00	2700.00	140.00	58.00		<30.00	<190.00	940.00	<100.00	150.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03F305		03-Mar-94	A42	IKS 013	44113	<100.00	2800.00	<100.00	<50.00		<30.00	<190.00	910.00	<100.00	130.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03F305		07-Sep-94	A44	IVR 012	NA	<50.00	2600.00	160.00	65.00		<15.00	<95.00	820.00	<50.00	160.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03F305		14-Mar-95	A46	IZQ 010	59420	<50.00	1900.00	130.00	<25.00		<15.00	<95.00	620.00	<50.00	150.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03F305		11-Sep-95	A48	HWD 008	267619	<100.00	2300.00	110.00	62.00		<880.00	<190.00	590.00	<100.00	120.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03F306		03-Mar-93	A38	ZBT 016		<100.00	7300.00	170.00	<50.00		<30.00	<190.00	1800.00	<100.00	95.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03F306		15-Sep-93	A40	IKE 008		<100.00	7500.00	130.00	<50.00		<30.00	<190.00	1400.00	<100.00	<78.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03F306		03-Mar-94	A42	IKS 014	44113	<200.00	4900.00	<200.00	<100.00		<60.00	<380.00	1100.00	<200.00	<160.00	<100.00	<260.00	<140.00	<200.00	<200.00	<640.00					
03F306	(4)	03-Mar-94	A42	IKS 015	44113	<200.00	5600.00	<200.00	<100.00		<60.00	<380.00	1200.00	<200.00	<160.00	<100.00	<260.00	<140.00	<200.00	<200.00	<640.00					
03F306		07-Sep-94	A44	IVR 014	NA	<100.00	4900.00	140.00	<50.00		<30.00	<190.00	820.00	<100.00	71.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03F306		14-Mar-95	A46	IZQ 008	59420	<100.00	3400.00	130.00	<50.00		<30.00	<190.00	670.00	<100.00	57.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03F306		11-Sep-95	A48	HWE 005	267619	<50.00	4300.00	110.00	<25.00		<15.00	<95.00	620.00	<50.00	63.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03F307		03-Mar-93	A38	ZBT 008		<50.00	2100.00	81.00	<25.00		<15.00	<95.00	360.00	<50.00	84.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03F307		15-Sep-93	A40	IKF 004		<50.00	2400.00	<50.00	<25.00		<15.00	<95.00	350.00	<50.00	53.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03F307		03-Mar-94	A42	IKS 016	44113	<50.00	1600.00	<50.00	<25.00		<15.00	<95.00	210.00	<50.00	<39.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03F307		07-Sep-94	A44	IVS 004	NA	<20.00	1400.00	39.00	7.60		<6.00	<38.00	120.00	<20.00	42.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
03F307		14-Mar-95	A46	IZQ 013	59420	<20.00	770.00	30.00	<10.00		<6.00	<38.00	93.00	<20.00	30.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
03F307		11-Sep-95	A48	HWD 006	267619	1.19	840.00	23.10	4.43		<8.82	<1.90	65.00	<1.00	26.70	0.78	<1.30	<0.72	<1.00	<1.00	<3.20					
03F308		03-Mar-93	A38	ZBT 010		<1.00	9.73	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03F308		15-Sep-93	A40	IKE 010		<1.00	7.78	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03F308		03-Mar-94	A42	IKS 017	44113	<1.00	5.41	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03F308		07-Sep-94	A44	IVS 006	NA	<1.00	5.21	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.95	<1.30	<0.72	<1.00	<1.00	<3.20					
03F308		14-Mar-95	A46	IZQ 015	59420	<1.00	3.18	<1.00	<0.50		<0.30	<1.90	0.59	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03F308		11-Sep-95	A48	HWC 016	267619	<1.00	3.56	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03F312		03-Mar-93	A38	ZBS 014		<1.00	16.70	<1.00	0.82		<0.30	<1.90	<1.00	<1.00	1.31	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03F312		15-Sep-93	A40	ZKD 012		<1.00	14.90	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03F312		03-Mar-94	A42	IKU 004	44113	<1.00	16.10	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03F312		07-Sep-94	A44	ZVQ 011	NA	<1.00	13.60	<1.00	0.36		<0.30	<1.90	<1.00	<1.00	0.59	0.86	<1.30	<0.72	<1.00	<1.00	<3.20					
03F312		14-Mar-95	A46	IZQ 004	59420	<1.00	8.20	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03F312		11-Sep-95	A48	HWD 004	267619	<1.00	9.46	<1.00	<0.50		<8.82	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L001		11-Mar-93	A38	ZHB 010		<1.00	1.05	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L001		15-Sep-93	A40	ZKD 004		<1.00	0.74	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L001		07-Mar-94	A42	ZKW 004	NC	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L001		07-Sep-94	A44	ZVQ 006	NA	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.65	<1.30	<0.72	<1.00	<1.00	<3.20					
03L001		15-Mar-95	A46	IZT 004	NC	<1.00	0.46	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L001		13-Sep-95	A48	HWF 009	269743	<1.00	0.54	<1.00	<0.50		<0.30	<1.90	0.63	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L002		09-Mar-93	A38	ZBZ 009		<5.00	320.00	<5.00	4.60		<1.50	<9.50	42.00	<5.00	9.50	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
03L002		04-Mar-94	A42	IKV 009	44113	<10.00	200.00	<10.00	<5.00		<3.00	<19.00	11.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03L002		16-Mar-95	A46	IZT 019	NC	<10.00	250.00	9.30	<5.00		<3.00	<19.00	42.00	<10.00	6.70	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03L005		09-Mar-93	F38	IBZ 005		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L005		17-Mar-94	F42	IUO 004	NT-2	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.25	<1.30	<0.72	<1.00	<1.00	<3.20					
03L005		24-Mar-95	F46	DSC 007	5121-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03L007		14-Mar-94	F42	IUH 011	NC	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.93	<1.30	<0.72	<1.00	<1.00	<3.20					
03L017		12-Mar-93	A38	IHD 006		<1.00	10.90	<1.00	<0.50		<0.30	<1.90	1.45	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L017		03-Mar-94	A42	IKU 014	44113	<1.00	9.18	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L017		13-Mar-95	A46	IZO 021	59420	<1.00	1.53	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L018		18-Mar-93	A38	ZHI 010		<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					

TABLE II - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
03L018		03-Mar-94	A42	IKR 011	44113	<1.00	16.40	<1.00	<0.50		<0.30	<1.90	4.36	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L018		21-Mar-95	A46	IZV 015	NC	<1.00	1.33	<1.00	<0.50		<0.30	<1.90	0.96	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L021		15-Mar-93	A38	ZHF 006		<2.00	100.00	2.40	2.40		<0.60	<3.80	6.00	<2.00	8.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
03L021		02-Mar-94	A42	IKT 012	NC	<2.00	77.00	<2.00	2.10		<0.60	<3.80	3.50	<2.00	4.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
03L021	(4)	02-Mar-94	A42	IKT 013	NC	<2.00	79.00	<2.00	2.00		<0.60	<3.80	3.70	<2.00	4.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
03L021		14-Mar-95	A46	IZQ 022	59420	<1.00	34.00	1.09	0.85		<0.30	<1.90	1.05	<1.00	2.53	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L077		09-Mar-93	A38	ZBZ 004		<100.00	5500.00	56.00	<50.00		<30.00	<190.00	950.00	<100.00	<78.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03L077		08-Mar-94	A42	IKZ 011	46809	<50.00	1200.00	<50.00	<25.00		<15.00	<95.00	180.00	<50.00	<39.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03L077		15-Mar-95	A46	IZS 004	NC	0.76	970.00	25.30	5.53		0.22	<1.90	160.00	10.50	8.45	1.02	<1.30	0.42	<1.00	<1.00	<3.20					
03L078		12-Mar-93	A38	IHD 010		<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L078		08-Mar-94	A42	IKY 010	46809	<1.00	0.71	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L078		16-Mar-95	A46	IZT 016	NC	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L078	(4)	16-Mar-95	A46	IZT 015	NC	<1.00	0.32	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L079		15-Mar-93	A38	ZHF 011		<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	1.15	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L079		09-Mar-94	A42	IUB 010	NC	<1.00	1.11	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L079		16-Mar-95	A46	IZT 021	NC	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L080		15-Mar-93	A38	ZHF 004		<1.00	0.64	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L080		07-Mar-94	A42	IKX 012	NC	<1.00	1.23	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L080		13-Mar-95	A46	IZO 010	59420	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L081		09-Mar-93	F38	IBY 005		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L081		16-Mar-94	F42	IUN 007	54690	<1.00	0.94	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.30	<1.30	<0.72	<1.00	<1.00	<3.20					
03L081		22-Mar-95	F46	DSA 010	5107-01 (6)	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03L084		08-Mar-93	A38	ZBY 004		<1.00	0.67	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L084		08-Mar-94	A42	IKZ 009	46809	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L084	(4)	08-Mar-94	A42	IKZ 010	46809	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L084		15-Mar-95	A46	IZS 022	NC	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L091		05-Mar-93	F38	IBV 005		<1.00	1.16	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L091		15-Mar-94	F42	IUN 004	53384 (6)	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	(7) 0.53	<1.30	<0.72	<1.00	<1.00	<3.20					
03L091	(4)	15-Mar-94	F42	IUM 014	53384	<1.00	0.36	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	(7) 0.35	<1.30	<0.72	<1.00	<1.00	<3.20					
03L091		28-Mar-95	F46	DSF 008	5137-01	<2.41	8.20	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03L113		03-Mar-93	F38	IBS 005		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L113		15-Mar-94	F42	IUM 007	53384	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L113		22-Mar-95	F46	DSA 008	5107-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03L138		05-Mar-93	F38	IBW 004		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L138	(4)	05-Mar-93	F38	IBW 005		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L138		16-Mar-94	F42	IUM 016	54690	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L138	(4)	16-Mar-94	F42	IUN 014	54690	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L138		22-Mar-95	F46	DSA 009	5107-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03L673		03-Mar-93	A38	ZBS 004		<200.00	2100.00	<200.00	<100.00		<60.00	<380.00	<200.00	<200.00	<160.00	<100.00	<260.00	<140.00	<200.00	<200.00	<640.00					
03L673		04-Mar-94	A42	IKV 007	44113	<100.00	3300.00	<100.00	59.00		<30.00	<190.00	<100.00	<100.00	<78.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03L673		06-Jun-94	A43	IVD 007	126780	<25.00	2000.00	<25.00	46.00		<7.50	<48.00	<25.00	<25.00	<20.00	<13.00	<33.00	<18.00	<25.00	<25.00	<80.00					
03L673	(4)	06-Jun-94	A43	IVD 008	126780	<25.00	2000.00	<25.00	49.00		<7.50	<48.00	<25.00	<25.00	<20.00	<13.00	<33.00	<18.00	<25.00	<25.00	<80.00					
03L673		14-Sep-94	A44	IVV 013	218146	<50.00	1600.00	27.00	<25.00		<15.00	<95.00	<50.00	<50.00	<39.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03L673		08-Dec-94	A45	IZF 010	288420	<20.00	1400.00	<20.00	28.00		<6.00	<38.00	<20.00	<20.00	<16.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
03L673		15-Mar-95	A46	IZS 016	NC	<25.00	910.00	<25.00	30.00		<7.50	<48.00	<25.00	<25.00	<20.00	<13.00	<33.00	<18.00	<25.00	<25.00	<80.00					
03L802		04-Mar-93	A38	ZBV 010		<1.00	45.20	1.08	1.03		<0.30	<1.90	1.71	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L802		13-Sep-93	A40	ZKC 008		<1.00	42.20	<1.00	0.69		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L802		03-Mar-94	A42	IKR 004	44113	<1.00	29.90	<1.00	0.58		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L802		09-Sep-94	A44	ZVT 007	211540	<1.00	28.90	<1.00	0.50		<0.30	<1.90	0.58	<1.00	<0.78	0.35	<1.30	<0.72	<1.00	<1.00	<3.20					
03L802		14-Mar-95	A46	IZR 006	59420	<1.00	17.80	<1.00	<0.50		<0.30	<1.90	0.65	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L802		12-Sep-95	A48	HWE 008	NC	<1.00	17.30	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L806		03-Mar-93	A38	ZBT 012		<10.00	410.00	110.00	82.00		<3.00	<19.00	25.00	<10.00	240.00	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					

TABLE II - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
03L806		13-Sep-93	A40	ZKC 004		<10.00	390.00	30.00	12.00		<3.00	<19.00	100.00	<10.00	68.00	<5.00	<13.00	<7.20	13.00	<10.00	<32.00					
03L806		02-Mar-94	A42	IKQ 009	NC	<1.00	230.00	11.80	3.07		<0.30	<1.90	50.10	3.20	12.80	1.09	<1.30	<0.72	<1.00	<1.00	<3.20					
03L806		09-Sep-94	A44	ZVT 005	211540	<5.00	120.00	10.00	3.90		<1.50	<9.50	26.00	2.60	15.00	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
03L806		13-Mar-95	A46	IZO 019	59420	<5.00	80.00	7.00	2.10		<1.50	<9.50	35.00	<5.00	9.00	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
03L806		12-Sep-95	A48	HWF 005	NC	<2.00	120.00	15.00	3.00		<0.60	<3.80	51.00	5.40	20.00	0.57	<2.60	<1.40	<2.00	<2.00	<6.40					
03L809		10-Mar-93	F38	IHA 004		<10.00	390.00	<10.00	9.30			<19.00	180.00	<10.00	36.00	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03L809		03-Mar-94	A42	IKR 008	44113	<10.00	280.00	19.00	<5.00		<3.00	<19.00	93.00	<10.00	17.00	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03L809		17-Mar-94	F42	IUO 008	NC	<5.00	180.00	12.00	4.10			<9.50	38.00	6.70	10.00	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
03L809		13-Mar-95	A46	IZP 004	59420	<2.00	110.00	5.20	1.90		<0.60	<3.80	17.00	3.90	3.40	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
03L809		28-Mar-95	F46	DSF 006	5137-01	<2.41	69.00	5.09		1.14	<1.06	<4.10	10.90	2.47	3.30	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03L811		12-Mar-93	F38	IHC 006		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	6.79	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L811	(4)	12-Mar-93	F38	IHC 007		<1.00	<0.50	<1.00	<0.50			<1.90	1.62	<1.00	8.11	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L811		18-Mar-94	F42	IUO 011	57070	<1.00	1.13	1.43	0.68			<1.90	0.79	<1.00	7.47	0.66	<1.30	<0.72	<1.00	<1.00	<3.20					
03L811		23-Mar-95	F46	DSB 010	5115-01	<2.41	<1.04	1.46		<0.89	<1.06	<4.10	<1.16	<1.52	8.16	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03L822		12-Mar-93	F38	IHC 009		<1.00	<0.50	14.60	2.40			<1.90	40.00	<1.00	19.20	1.09	<1.30	0.77	<1.00	<1.00	<3.20					
03L822		18-Mar-94	F42	IUP 008	57070	<1.00	0.51	29.60	4.38			<1.90	52.70	<1.00	27.70	2.09	<1.30	1.05	<1.00	<1.00	<3.20					
03L822		15-Mar-95	F46	DRT 006	5054-01	<2.41	<1.04	40.30		4.00	<1.06	<4.10	21.50	<1.52	31.10	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03L832		16-Mar-93	F38	IHG 006		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L832		10-Jun-94	A43	ZVI 008	126780	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L832		13-Sep-94	A44	IVV 009	215473	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L832		07-Dec-94	A45	ZZD 020	288420	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L832		10-Mar-95	A46	IZN 005	NC	2.09	0.46	<1.00	<0.50		<0.30	<1.90	0.62	1.70	<0.78	0.49	<1.30	<0.72	<1.00	<1.00	<3.20					
03L833		08-Mar-93	F38		(5)	<1.00	140.00	<1.00	<0.50			<1.90	2.37	<1.00	0.89	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L833		11-May-93	F39	IHT 006		<5.00	160.00	<5.00	<2.50			<9.50	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
03L833	(4)	11-May-93	F39	IHT 007		<5.00	160.00	<5.00	<2.50			<9.50	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
03L833		04-Mar-94	A42	IKT 020	44113	<5.00	170.00	<5.00	<2.50		<1.50	<9.50	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
03L833		08-Sep-94	A44	IVS 013	NA	<1.00	35.70	<1.00	<0.50		<0.30	<1.90	0.80	<1.00	0.62	0.29	<1.30	<0.72	<1.00	<1.00	<3.20					
03L833		17-Mar-95	A46	IZV 005	63649	<1.00	62.00	<1.00	<0.50		<0.30	<1.90	0.92	<1.00	0.51	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L833		12-Sep-95	A48	HWE 009	NC	<2.00	69.00	<2.00	<1.00		<0.60	<3.80	1.50	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
03L833	(4)	12-Sep-95	A48	HWE 010	NC	<2.00	73.00	<2.00	<1.00		<0.60	<3.80	1.30	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
03L841		10-Mar-93	F38	IHA 009		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L841		17-Mar-94	F42	IUO 007	NC	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L841		23-Mar-95	F46	DSB 005	5115-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03L846		15-Mar-93	F38	IHF 006		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L846		21-Mar-94	F42	IUU 005	59021 (6)	<1.00	0.37	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L846		20-Mar-95	F46	DRW 009	5087-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03L848		09-Mar-93	F38	IBY 007		<1.00	52.90	<1.00	1.91			<1.90	0.74	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L848		06-Jun-94	A43	IVD 011	126780	<1.00	27.00	<1.00	1.57		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L848		15-Sep-94	A44	IVX 007	218146	<1.00	27.10	<1.00	1.29		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L848		08-Dec-94	A45	IZF 006	288420	<1.00	22.00	<1.00	1.02		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L848		10-Mar-95	A46	IZN 012	NC	<1.00	16.60	<1.00	1.14		<0.30	<1.90	0.54	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L853		11-Mar-93	F38	IHB 007		<10.00	420.00	<10.00	<5.00			<19.00	69.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03L853		18-Mar-94	F42	IUO 015	57070	<10.00	240.00	10.00	<5.00			<19.00	35.00	<10.00	7.50	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03L853		16-Mar-95	F46	DRU 009	5072-01	<2.41	35.70	7.34		1.17	<1.06	<4.10	1.89	<1.52	8.20	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03L854		15-Mar-93	F38	IHE 011		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L854		21-Mar-94	F42	IUU 012	59021	<1.00	4.88	<1.00	<0.50			<1.90	0.98	<1.00	0.73	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L854		16-Mar-95	F46	DRU 007	5072-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03L855		08-Mar-93	M38			<1.00	110.00	<1.00		<0.20	<0.20	<1.00	<2.00	<1.20	<1.00	<0.30	<1.70	<1.50	<1.00	<5.00	<5.00	<1.00	<1.00		<1.00	<1.00
03L855		13-May-93	M39			<0.20	110.00	<0.50		0.80	<0.20	<1.00	2.60	<0.20	<0.20	0.50	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	0.40		<0.20	<0.20
03L856		17-Mar-93	F38	IHH 008		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L856		21-Mar-94	F42	IUS 009	59021	<1.00	0.61	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L856		23-Mar-95	F46	DSB 007	5115-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					

TABLE II - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
03L858		23-Mar-93	F38	IHL 010		<1.00	6.67	<1.00	2.03			<1.90	<1.00	<1.00	<0.78	<0.50	30.80	8.54	<1.00	<1.00	<3.20					
03L858		22-Mar-94	F42	IUW 004	62588	<1.00	8.58	<1.00	3.43			<1.90	<1.00	<1.00	<0.78	0.59	30.40	10.60	1.92	<1.00	<3.20					
03L858	(4)	22-Mar-94	F42	IUW 016	62588	<1.00	8.67	<1.00	3.47			<1.90	<1.00	<1.00	<0.78	0.68	29.60	10.60	<1.00	<1.00	<3.20					
03L858		16-Mar-95	F46	DRU 011	5072-01 (6)	22.41	41.20	<1.01		2.00	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	6.55	8.95	<3.94	<4.47	<1.41					
03L858	(4)	16-Mar-95	F46	DRU 012	5072-01 (6)	<2.41	39.20	<1.01		1.85	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	6.79	9.02	<3.94	<4.47	<1.41					
03L859		11-Mar-93	F38	IHB 006		<1.00	3.50	<1.00	0.65			<1.90	1.04	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L859		18-Mar-94	F42	IUO 012	57070	<1.00	2.98	<1.00	0.53			<1.90	<1.00	<1.00	0.50	0.28	<1.30	<0.72	<1.00	<1.00	<3.20					
03L859		09-Jun-94	A43	ZVH 006	126780	<1.00	6.27	<1.00	0.95		<0.30	<1.90	0.54	<1.00	0.50	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L859		14-Sep-94	A44	IVV 020	218146	<1.00	5.67	<1.00	0.54		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L859	(4)	14-Sep-94	A44	IVV 021	218146	<1.00	5.67	<1.00	0.54		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L859		07-Dec-94	A45	IZE 010	288420	<1.00	4.75	<1.00	0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L859		10-Mar-95	A46	IZN 010	NC	<1.00	4.55	<1.00	0.58		<0.30	<1.90	1.06	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L860		10-Mar-93	F38	IHA 006		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L860		07-Jun-94	A43	ZVF 005	126780	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L860		15-Sep-94	A44	IVX 008	218146	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L860		08-Dec-94	A45	IZF 004	288420	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L860		10-Mar-95	A46	IZM 009	56391	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L860	(4)	10-Mar-95	A46	IZM 010	56391	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L861		12-Mar-93	F38	IHE 017		<1.00	<0.50	<1.00	<0.50			<1.90	0.62	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L861		08-Jun-94	A43	ZVG 004	126780	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L861		14-Sep-94	A44	IVV 014	215473	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L861		06-Dec-94	A45	ZZD 015	288420	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03L861		09-Mar-95	A46	IZL 018	56391	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	0.84	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03M005		05-Mar-93	F38	IBW 009		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03M005		17-Mar-94	F42	IUN 018	NC	<1.00	0.29	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03M005		14-Mar-95	F46	DRQ 005		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03M017		12-Mar-93	A38	IHD 004		<5.00	210.00	16.00	<2.50		<1.50	<9.50	150.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
03M017		03-Mar-94	A42	IKS 009	44113	<5.00	130.00	<5.00	<2.50		<1.50	<9.50	45.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
03M017		13-Mar-95	A46	IZO 006	59420	<2.00	49.00	1.60	<1.00		<0.60	<3.80	15.00	<2.00	<1.60	<1.00	<2.60	21.40	<2.00	<2.00	<6.40					
03M020		16-Mar-93	A38	ZHG 004		<200.00	3900.00	<200.00	120.00		<60.00	<380.00	890.00	<200.00	190.00	<100.00	<260.00	<140.00	<200.00	<200.00	<640.00					
03M020		04-Mar-94	A42	IKY 004	44113	<50.00	1100.00	<50.00	<25.00		<15.00	<95.00	130.00	<50.00	<39.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03M020		13-Mar-95	A46	IZO 013	59420 (6)	<10.00	330.00	<10.00	4.00		<3.00	<19.00	31.00	<10.00	9.70	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03M505	Well Abandoned																									
03M713		08-Mar-93	A38	IBX 013		<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03M713		07-Mar-94	A42	IKX 005	NC	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03M713		14-Mar-95	A46	IZR 014	59420	<1.00	0.37	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03M802		04-Mar-93	A38	ZBV 012		<5.00	470.00	<5.00	9.80		<1.50	<9.50	8.20	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
03M802		03-Mar-94	A42	IKS 004	44113	<10.00	260.00	<10.00	<5.00		<3.00	<19.00	<10.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03M802		14-Mar-95	A46	IZR 010	59420	<1.00	46.10	<1.00	0.78		<0.30	<1.90	0.86	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03M806		04-Mar-93	A38	ZBV 004		<1.00	43.30	1.41	1.47		<0.30	<1.90	<1.00	<1.00	10.30	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03M806		02-Mar-94	A42	IKQ 007	NC	<1.00	62.00	1.35	0.87		<0.30	<1.90	5.27	<1.00	3.85	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03M806		13-Mar-95	A46	IZP 008	59420	<1.00	39.70	13.80	1.18		<0.30	<1.90	64.70	1.77	23.10	0.28	<1.30	0.38	<1.00	<1.00	<3.20					
03M843		11-Mar-93	F38	IHB 012		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03M843		18-Mar-94	F42	IUO 013	57070	<1.00	0.81	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.31	<1.30	<0.72	<1.00	<1.00	<3.20					
03M843		15-Mar-95	F46	DRT 009	5054-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03M848		09-Mar-93	F38	IBY 016		<10.00	1300.00	<10.00	96.00			<19.00	<10.00	<10.00	8.60	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03M848	(4)	09-Mar-93	F38	IBY 017		<1.00	970.00	3.71	87.00			<1.90	3.49	<1.00	8.51	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03M848		17-Mar-94	F42	IUP 004	NC	<25.00	910.00	<25.00	98.00			<48.00	<25.00	<25.00	17.00	<13.00	<33.00	<18.00	<25.00	<25.00	<80.00					
03M848		16-Mar-95	F46	DRU 010	5072-01	<2.41	59.00	9.34		6.49	<1.06	<4.10	<1.16	<1.52	11.80	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03U003		22-Mar-93	A38	ZHJ 013		<20.00	450.00	<20.00	<10.00		<6.00	<38.00	27.00	<20.00	<16.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
03U003		29-Jul-93	A40	ZHX 004		<1.00	340.00	1.51	3.02		<0.30	<1.90	11.30	<1.00	1.88	<0.50	<1.30	0.94	<1.00	<1.00	<3.20					
03U003		15-Sep-93	A40	ZKD 007		<5.00	320.00	<5.00	<2.50		<1.50	<9.50	9.80	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					

TABLE II - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
03U003		02-Mar-94	A42	JKT 008	NC	<5.00	220.00	<5.00	<2.50		<1.50	<9.50	11.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
03U003		07-Jun-94	A43	IVD 015	122254	<10.00	250.00	<10.00	5.80		<3.00	<19.00	26.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03U003		09-Sep-94	A44	ZVT 009	211540	<10.00	200.00	<10.00	<5.00		<3.00	<19.00	9.30	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03U003		14-Mar-95	A46	IZP 015	59420	<5.00	110.00	<5.00	2.30		<1.50	<9.50	15.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
03U003		06-Jun-95	A47	IZY 005	NC	<10.00	190.00	9.20	9.60		<3.00	<19.00	59.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03U003		14-Sep-95	A48	HWF 013	NC	<2.00	130.00	3.20	3.70		<0.60	<3.80	17.00	<2.00	2.30	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
03U004		22-Mar-93	A38	ZHJ 008		<1.00	7.75	<1.00	0.67		<0.30	<1.90	3.35	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U004		*07-Mar-94*	*A42*	*IKX 010*	*NC*	*<1.00*	*1.20*	*<1.00*	*<0.50*		*<0.30*	*<1.90*	*<1.00*	*<1.00*	*<0.78*	*<0.50*	*<1.30*	*<0.72*	*<1.00*	*<1.00*	*<3.20*					
03U004		13-Mar-95	A46	IZO 008	59420	<1.00	0.86	<1.00	0.47		<0.30	<1.90	1.07	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U005		09-Mar-93	F38	IBY 015		<1.00	1.13	<1.00	1.36			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U005	(4)	09-Mar-93	F38	IBZ 004		<1.00	<0.50	<1.00	1.36			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U005		17-Mar-94	F42	IUN 017	NC	<1.00	<0.50	<1.00	2.76			<1.90	<1.00	<1.00	<0.78	0.27	<1.30	<0.72	<1.00	<1.00	<3.20					
03U005		13-Mar-95	F46	DRP 011	5036-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03U007		14-Mar-94	F42	IUH 005	NC	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U009		11-Mar-94	F42	IUG 004	NC	<1.00	<0.50	<1.00	<0.50			<1.90	1.45	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U009		08-Sep-95	F48	EWD 007	6484-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	<1.08	<3.94	<4.47	<1.41					
03U014		22-Mar-93	A38	ZHJ 005		<1.00	19.30	<1.00	<0.50		<0.30	<1.90	8.24	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U014		07-Mar-94	A42	IKX 011	NC	<25.00	480.00	<25.00	<13.00		<7.50	<48.00	130.00	<25.00	<20.00	<13.00	<33.00	<18.00	<25.00	<25.00	<80.00					
03U014		21-Mar-95	A46	IZV 009	NC	<10.00	380.00	24.00	4.60		<3.00	<19.00	210.00	<10.00	4.40	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03U015		04-Mar-93	F38	IBU 012		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U015		14-Mar-94	F42	IUL 017	NC	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.35	<1.30	<0.72	<1.00	<1.00	<3.20					
03U015		09-Mar-95	F46	DRO 011	5015-01 (6)	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03U015	(4)	09-Mar-95	F46	DRO 012	5015-01 (6)	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03U016		04-Mar-93	F38	IBT 005		<1.00	1.04	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U016		14-Mar-94	F42	IUL 014	NC	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.40	<1.30	<0.72	<1.00	<1.00	<3.20					
03U016		09-Mar-95	F46	DRO 010	5015-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03U017		12-Mar-93	A38	IHD 005		<1.00	49.00	1.18	<0.50		<0.30	<1.90	11.40	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U017		03-Mar-94	A42	IKS 005	44113	<1.00	26.20	<1.00	<0.50		<0.30	<1.90	5.31	<1.00	<0.78	0.54	<1.30	<0.72	<1.00	<1.00	<3.20					
03U017		13-Mar-95	A46	IZO 004	59420	<1.00	10.20	<1.00	<0.50		<0.30	<1.90	2.43	<1.00	<0.78	(7) 0.45	<1.30	<0.72	<1.00	<1.00	<3.20					
03U017	(4)	13-Mar-95	A46	IZO 005	59420	<1.00	11.40	<1.00	<0.50		<0.30	<1.90	2.53	<1.00	<0.78	(7) 0.65	<1.30	<0.72	<1.00	<1.00	<3.20					
03U018		18-Mar-93	A38	ZHI 008		<500.00	4700.00	<500.00	<250.00		<150.00	<950.00	930.00	<500.00	<390.00	<250.00	<650.00	<360.00	<500.00	<500.00	<1600.00					
03U018		03-Mar-94	A42	IKR 010	44113	<50.00	910.00	<50.00	<25.00		<15.00	<95.00	280.00	<50.00	<39.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03U018		21-Mar-95	A46	IZV 016	NC	<100.00	3800.00	72.00	<50.00		<30.00	<190.00	780.00	<100.00	46.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03U019		05-Mar-93	F38	IBW 006		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U019		16-Mar-94	F42	IUN 005	54690	<1.00	0.51	<1.00	<0.50			<1.90	0.80	<1.00	<0.78	0.49	<1.30	<0.72	<1.00	<1.00	<3.20					
03U019	(4)	16-Mar-94	F42	IUN 015	54690	<1.00	<0.50	<1.00	<0.50			<1.90	0.69	<1.00	<0.78	0.43	<1.30	<0.72	<1.00	<1.00	<3.20					
03U019		13-Mar-95	F46	DRP 005	5036-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03U020		22-Mar-93	A38	ZHJ 006		<100.00	3100.00	<100.00	120.00		<30.00	<190.00	1000.00	<100.00	93.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03U020	(4)	22-Mar-93	A38	ZHJ 012		<100.00	3200.00	<100.00	130.00		<30.00	<190.00	1000.00	<100.00	95.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03U020		04-Mar-94	A42	IKV 012	44113	<100.00	3600.00	<100.00	120.00		<30.00	<190.00	1300.00	<100.00	93.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03U020		13-Mar-95	A46	IZO 012	59420	<50.00	1900.00	81.00	71.00		<15.00	<95.00	570.00	<50.00	58.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03U021		15-Mar-93	A38	ZHF 012		<1.00	5100.00	43.70	34.30		<0.30	<1.90	2200.00	<1.00	44.50	2.24	<1.30	1.30	<1.00	<1.00	<3.20					
03U021		02-Mar-94	A42	IKT 011	NC	<20.00	600.00	26.00	26.00		<6.00	<38.00	190.00	<20.00	27.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
03U021		14-Mar-95	A46	IZR 007	59420	<20.00	910.00	65.00	74.00		<6.00	<38.00	350.00	<20.00	74.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
03U023		02-Mar-93	F38	IBQ 009		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U023		07-Mar-94	F42	IKW 005	NC (6)	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U023		06-Mar-95	F46	DRK 005	4986-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03U026		09-Mar-93	F38	IBY 013		<1.00	44.70	<1.00	1.24			<1.90	3.26	<1.00	<0.78	<0.50	<1.30	39.60	<1.00	<1.00	<3.20					
03U026		16-Mar-94	F42	IUL 019	54690	<1.00	30.70	<1.00	1.32			<1.90	(7) 23.40	<1.00	<0.78	0.56	<1.30	24.90	<1.00	<1.00	<3.20					
03U026	(4)	16-Mar-94	F42	IUN 012	54690	<1.00	31.30	<1.00	1.38			<1.90	(7) 2.25	<1.00	<0.78	0.60	<1.30	25.70	<1.00	<1.00	<3.20					
03U026		13-Mar-95	F46	DRP 007	5036-01	<2.41	45.10	<1.01		1.04	<1.06	<4.10	7.67	<1.52	<0.97	<4.63	<1.20	37.80	<3.94	<4.47	<1.41					

TABLE II - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
03U026	(4)	13-Mar-95	F46	DRP 009	5036-01	<2.41	42.70	<1.01		1.09	<1.06	<4.10	7.40	<1.52	<0.97	<4.63	<1.20	36.90	<3.94	<4.47	<1.41					
03U027		18-Mar-93	A38	ZHI 004		<5.00	91.00	<5.00	<2.50		<1.50	<9.50	18.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
03U027	(4)	18-Mar-93	A38	ZHI 005		<5.00	97.00	<5.00	<2.50		<1.50	<9.50	25.00	5.70	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
03U027		07-Mar-94	A42	IKX 008	NC	<2.00	69.00	3.00	3.50		<0.60	<3.80	13.00	7.20	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
03U027		15-Mar-95	A46	IZS 008	NC	<1.00	27.00	1.73	2.16		<0.30	<1.90	5.91	3.33	<0.78	<0.50	<1.30	0.68	<1.00	<1.00	<3.20					
03U028		23-Mar-93	A38	ZHL 006		<25.00	720.00	<25.00	17.00		<7.50	<48.00	57.00	<25.00	<20.00	<13.00	<33.00	<18.00	<25.00	<25.00	<80.00					
03U028		10-Mar-94	A42	IUC 005	NC	<20.00	490.00	<20.00	52.00		<6.00	<38.00	29.00	<20.00	<16.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
03U028		20-Mar-95	A46	IZV 013	NC	<1.00	64.00	0.88	9.88		<0.30	<1.90	4.13	0.66	0.43	<0.50	<1.30	0.90	<1.00	<1.00	<3.20					
03U029		23-Mar-93	A38	ZHL 005		<10.00	270.00	<10.00	13.00		<3.00	<19.00	18.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03U029		10-Mar-94	A42	IUC 006	NC	<10.00	360.00	<10.00	28.00		<3.00	<19.00	20.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03U029		21-Mar-95	A46	IZV 006	NC	<10.00	430.00	<10.00	66.00		<3.00	<19.00	43.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03U030		23-Mar-93	A38	ZHL 004		<1.00	9.32	<1.00	<0.50		<0.30	<1.90	1.32	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U030		10-Mar-94	A42	IUC 004	NC	<1.00	7.05	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U030		20-Mar-95	A46	IZU 019	NC	<1.00	15.30	<1.00	0.41		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U031		18-Mar-93	A38	ZHI 009		<1.00	13.30	<1.00	<0.50		<0.30	<1.90	1.43	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U031		07-Mar-94	A42	IKZ 005	NC	<1.00	1.79	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U031		13-Mar-95	A46	IZO 011	59420	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U032		04-Mar-93	F38	IBU 016		<1.00	1.46	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U032		15-Mar-94	F42	IUM 010	53384	<1.00	1.88	<1.00	<0.50			<1.90	1.18	<1.00	0.62	0.44	<1.30	<0.72	<1.00	<1.00	<3.20					
03U032		17-Mar-95	F46	DRV 007		<2.41	3.86	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03U075		16-Mar-93	A38	ZHG 005		<1.00	0.62	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U075		03-Mar-94	A42	IKR 012	44113	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U075	(4)	03-Mar-94	A42	IKR 013	44113	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U075		15-Mar-95	A46	IZS 015	NC	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U077		09-Mar-93	A38	ZBZ 007		<10.00	470.00	25.00	<5.00		<3.00	<19.00	340.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03U077	(4)	09-Mar-93	A38	ZBZ 008		<10.00	450.00	26.00	<5.00		<3.00	<19.00	340.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03U077		08-Mar-94	A42	IKZ 012	46809	<50.00	700.00	<50.00	<25.00		<15.00	<95.00	260.00	<50.00	<39.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03U077		15-Mar-95	A46	IZS 009	NC	<50.00	640.00	54.00	<25.00		<15.00	<95.00	290.00	<50.00	<39.00	<25.00	<65.00	<36.00	<50.00	<50.00	100.00					
03U078		12-Mar-93	A38	IHD 009		11.00	90.00	4.80	<1.00		<0.60	<3.80	49.00	<2.00	2.50	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
03U078		08-Mar-94	A42	IKY 009	46809	12.90	84.00	9.52	1.79		<0.30	<1.90	69.50	<1.00	5.08	1.16	<1.30	1.75	<1.00	<1.00	<3.20					
03U078		16-Mar-95	A46	IZT 013	NC	13.00	190.00	25.00	3.00		<3.00	<19.00	79.00	<10.00	18.00	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03U079		15-Mar-93	A38	ZHF 009		<20.00	1500.00	<20.00	39.00		<6.00	<38.00	190.00	<20.00	<16.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
03U079	(4)	15-Mar-93	A38	ZHF 010		<20.00	1100.00	<20.00	35.00		<6.00	<38.00	190.00	<20.00	<16.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
03U079		09-Mar-94	A42	IUB 009	NC	<20.00	710.00	<20.00	22.00		<6.00	<38.00	91.00	<20.00	<16.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
03U079		16-Mar-95	A46	IZT 020	NC	<50.00	860.00	<50.00	29.00		<15.00	<95.00	77.00	<50.00	<39.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03U082		09-Mar-94	F42	IUI 004	48275	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U083		*05-Mar-93*	*F38*	*FLV 010*																		<0.41	<0.87	<8.28		
03U083		05-Mar-93	F38	IBU 010		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U083		16-Mar-94	F42	IUN 009	54690 (6)	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U083		10-Mar-95	F46	DRN 015	5027-01																	<0.25	<0.25	<0.25		
03U083		10-Mar-95	F46	DRO 014	5027-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03U084		08-Mar-93	A38	ZBY 006		<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U084		08-Mar-94	A42	IKZ 008	46809	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U084		15-Mar-95	A46	IZS 023	NC	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U087		04-Mar-93	F38	IBU 015		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U087		04-Mar-93	F38	IBU 014		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U087		15-Mar-94	F42	IUM 005	53384	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.33	<1.30	<0.72	<1.00	<1.00	<3.20					
03U087		22-Mar-95	F46	DSA 007	5107-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03U089		03-Mar-93	F38	IBS 006		1.83	0.92	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U089		14-Mar-94	F42	IUL 016	NC	1.06	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.55	<1.30	<0.72	<1.00	<1.00	<3.20					

TABLE II - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
03U089		10-Mar-95	F46	DRO 013	5027-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03U090		04-Mar-93	F38	IBU 017		<1.00	20.10	1.26	1.80			<1.90	54.30	<1.00	<0.78	<0.50	<1.30	1.43	<1.00	<1.00	<3.20					
03U090		16-Mar-94	F42	IUL 018	54690	<1.00	14.30	4.51	2.63			<1.90	38.10	<1.00	<0.78	(7) 0.56	<1.30	1.89	<1.00	<1.00	<3.20					
03U090	(4)	16-Mar-94	F42	IUN 011	54690	<1.00	13.40	4.17	2.59			<1.90	35.90	<1.00	<0.78	(7) 0.45	<1.30	1.84	<1.00	<1.00	<3.20					
03U090		13-Mar-95	F46	DRP 010	5036-01	<2.41	16.90	2.86		2.93	<1.06	<4.10	31.50	<1.52	<0.97	<4.63	<1.20	2.18	<3.94	<4.47	<1.41					
03U092		10-Mar-93	F38	IBZ 010		<1.00	24.50	1.77	<0.50			<1.90	26.60	<1.00	<0.78	<0.50	<1.30	36.80	<1.00	<1.00	<3.20					
03U092		16-Mar-94	F42	IUN 006	54690	<2.00	58.00	1.40	3.90			<3.80	6.00	<2.00	<1.60	<1.00	<2.60	53.00	<2.00	<2.00	<6.40					
03U092		14-Mar-95	F46	DRQ 006		<2.41	59.00	<1.01		2.04	<1.06	<4.10	4.15	<1.52	<0.97	<4.63	<1.20	29.00	<3.94	<4.47	<1.41					
03U093		17-Mar-93	A38	IHN 005		<20.00	340.00	<20.00	<10.00		<6.00	<38.00	100.00	<20.00	<16.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
03U093		18-Mar-93	M38			<0.20	320.00	15.00		3.80	<0.20	<1.00	97.00	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
03U093		15-Sep-93	A40	ZKD 010		<10.00	940.00	24.00	6.50		<3.00	<19.00	280.00	<10.00	17.00	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03U093		09-Mar-94	A42	IUB 008	NC	<1.00	430.00	12.20	2.67		<0.30	<1.90	140.00	<1.00	1.90	0.52	<1.30	<0.72	<1.00	<1.00	<3.20					
03U093		09-Sep-94	A44	ZVU 005	211540	<20.00	520.00	13.00	<10.00		<6.00	<38.00	140.00	<20.00	8.20	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
03U093		17-Mar-95	A46	IZU 010	63649	<20.00	280.00	<20.00	<10.00		<6.00	<38.00	89.00	<20.00	<16.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
03U093	(4)	17-Mar-95	A46	IZU 011	63649	<10.00	290.00	14.00	<5.00		<3.00	<19.00	92.00	<10.00	5.40	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03U093		14-Sep-95	A48	HWF 015	NC	<10.00	380.00	16.00	<5.00		<3.00	<19.00	110.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03U094		18-Mar-93	A38	ZHI 006		<200.00	3200.00	<200.00	<100.00		<60.00	<380.00	2100.00	<200.00	<160.00	<100.00	<260.00	<140.00	<200.00	<200.00	<640.00					
03U094		09-Mar-94	A42	IUB 011	NC	<10.00	1000.00	75.00	5.80		<3.00	<19.00	980.00	<10.00	17.00	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03U094		21-Mar-95	A46	IZV 012	NC	<20.00	640.00	61.00	<10.00		<6.00	<38.00	470.00	<20.00	<16.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
03U096		17-Mar-93	A38	IHN 013		<1.00	480.00	38.90	0.65		<0.30	<1.90	350.00	<1.00	11.00	<0.50	<1.30	<0.72	<1.00	6.18	<3.20					
03U096		09-Mar-94	A42	IUB 007	NC	<50.00	750.00	65.00	<25.00		<15.00	<95.00	390.00	<50.00	46.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03U096		17-Mar-95	A46	IZU 012	63649 (6)	<5.00	140.00	15.00	<2.50		<1.50	<9.50	93.00	<5.00	10.00	<2.50	<6.50	<3.60	<5.00	3.60	<16.00					
03U097		03-Mar-93	F38	IBS 007		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U097		14-Mar-94	F42	IUH 009	NC	<1.00	0.39	<1.00	<0.50			<1.90	0.71	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U097		09-Mar-95	F46	DRO 008	5015-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03U099		03-Mar-93	F38	IBR 015		<1.00	1.92	<1.00	<0.50			<1.90	4.74	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U099	(4)	03-Mar-93	F38	IBR 016		<1.00	1.65	<1.00	<0.50			<1.90	4.09	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U099		14-Mar-94	F42	IUH 007	NC	<1.00	1.46	<1.00	<0.50			<1.90	1.99	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U112		08-Mar-93	F38	IBW 014		<1.00	25.40	<1.00	<0.50			<1.90	1.73	<1.00	<0.78	<0.50	<1.30	41.30	<1.00	<1.00	<3.20					
03U112		12-Sep-94	F44	IVU 013	NC	<1.00	43.70	<1.00	0.82			<1.90	2.97	<1.00	<0.78	0.52	<1.30	32.80	<1.00	<1.00	<3.20					
03U112		14-Mar-95	F46	DRQ 008		<2.41	32.00	<1.01		<0.89	<1.06	<4.10	2.18	<1.52	<0.97	<4.63	<1.20	36.50	<3.94	<4.47	<1.41					
03U113		03-Mar-93	F38	IBR 017		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U113		15-Mar-94	F42	IUM 004	53384	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U113		13-Mar-95	F46	DRP 012	5036-01 (6)	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03U114		05-Mar-93	F38	IBV 007		<1.00	20.60	1.68	<0.50			<1.90	47.30	<1.00	<0.78	<0.50	<1.30	1.96	<1.00	<1.00	<3.20					
03U114		16-Mar-94	F42	IUL 020	54690	<1.00	15.70	6.15	<0.50			<1.90	39.50	<1.00	<0.78	0.49	0.64	4.26	<1.00	<1.00	<3.20					
03U114	(4)	16-Mar-94	F42	IUN 013	54690	<1.00	14.80	5.99	<0.50			<1.90	36.60	<1.00	<0.78	0.47	0.61	4.16	<1.00	<1.00	<3.20					
03U114		13-Mar-95	F46	DRP 006	5036-01	<2.41	24.20	4.41		8.76	<1.06	<4.10	33.70	<1.52	<0.97	<4.63	1.93	<1.08	<3.94	<4.47	<1.41					
03U121		08-Mar-93	F38	IBW 015		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U121		12-Sep-94	F44	IVU 014	NC	<2.00	160.00	5.00	1.20			<3.80	29.00	<2.00	7.00	0.51	<2.60	<1.40	<2.00	<2.00	<6.40					
03U121		22-Mar-95	F46	DSA 006	5107-01	<2.41	8.89	<1.01		<0.89	<1.06	<4.10	2.20	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03U124		04-Mar-93	F38	IBU 011		<1.00	2.02	<1.00	<0.50			<1.90	5.24	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U124		14-Mar-94	F42	IUL 015	NC	<1.00	10.40	1.79	<0.50			<1.90	17.70	<1.00	<0.78	0.45	<1.30	<0.72	<1.00	<1.00	<3.20					
03U124		17-Mar-95	F46	DRV 008		<2.41	2.66	<1.01		<0.89	<1.06	<4.10	4.37	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03U301		03-Mar-93	A38	ZBS 009		<100.00	1500.00	<100.00	88.00		<30.00	<190.00	<100.00	<100.00	<78.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03U301	(4)	03-Mar-93	A38	ZBS 010		<20.00	1600.00	<20.00	89.00		<6.00	<38.00	64.00	<20.00	<16.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
03U301		15-Sep-93	A40	ZKD 011		<50.00	1400.00	<50.00	76.00		<15.00	<95.00	72.00	<50.00	<39.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03U301		03-Mar-94	A42	IKU 008	44113	<50.00	1800.00	<50.00	60.00		<15.00	<95.00	<50.00	<50.00	<39.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03U301	(4)	03-Mar-94	A42	IKU 009	44113	<50.00	1800.00	<50.00	49.00		<15.00	<95.00	<50.00	<50.00	<39.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03U301		07-Sep-94	A44	IVR 004	NA	<50.00	1800.00	<50.00	100.00		<15.00	<95.00	51.00	<50.00	<39.00	<25.00	<65.00	24.00	<50.00	<50.00	<160.00					
03U301		14-Mar-95	A46	IZP 005	59420	<25.00	780.00	<25.00	65.00		<7.50	<48.00	26.00	<25.00	<20.00	<13.00	<33.00	<18.00	<25.00	<25.00	<80.00					
03U301		11-Sep-95	A48	HWD 015	267619	<50.00	1300.00	<50.00	71.00		<440.00	<95.00	<50.00	<50.00	<39.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					

TABLE II - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
03U314		03-Mar-93	A38	ZBT 004		<50.00	2600.00	86.00	54.00		<15.00	<95.00	1200.00	<50.00	95.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03U314		15-Sep-93	A40	IKE 012		<50.00	1600.00	<50.00	<25.00		<15.00	<95.00	670.00	<50.00	<39.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03U314	(4)	15-Sep-93	A40	IKE 013		<50.00	1500.00	<50.00	<25.00		<15.00	<95.00	670.00	<50.00	<39.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03U314		03-Mar-94	A42	IKU 015	44113	<50.00	1300.00	<50.00	<25.00		<15.00	<95.00	570.00	<50.00	<39.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03U314		07-Sep-94	A44	ZVQ 010	NA	<1.00	1100.00	70.00	13.90		<0.30	<1.90	450.00	<1.00	36.00	1.86	1.15	0.51	<1.00	<1.00	<3.20					
03U314		14-Mar-95	A46	IZQ 017	59420	<20.00	670.00	35.00	7.20		<6.00	<38.00	250.00	<20.00	27.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
03U314		*11-Sep-95*	*A48*	*HWD 014*	*267619*	<20.00	600.00	37.00	<10.00		<180.00	<38.00	270.00	<20.00	13.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
03U315		03-Mar-93	A38	ZBS 013		<2.00	150.00	5.20	<1.00		<0.60	<3.80	56.00	<2.00	3.80	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
03U315		15-Sep-93	A40	IKE 014		<2.00	88.00	3.50	<1.00		<0.60	<3.80	35.00	<2.00	1.90	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
03U315		03-Mar-94	A42	IKU 010	44113	<5.00	110.00	<5.00	<2.50		<1.50	<9.50	45.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
03U315		07-Sep-94	A44	ZVQ 009	NA	<1.00	69.00	3.20	<0.50		<0.30	<1.90	33.20	<1.00	1.61	0.78	<1.30	<0.72	<1.00	<1.00	<3.20					
03U315		*14-Mar-95*	*A46*	*IZQ 018*	*59420*	<1.00	41.60	2.52	<0.50		<0.30	<1.90	18.10	<1.00	1.12	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U315		11-Sep-95	A48	HWD 013	267619	<1.00	51.30	3.19	<0.50		<8.82	<1.90	21.20	<1.00	0.66	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U316		03-Mar-93	A38	ZBS 012		<1.00	17.80	2.27	<0.50		<0.30	<1.90	16.60	<1.00	2.99	<0.50	<1.30	3.84	<1.00	<1.00	<3.20					
03U316		15-Sep-93	A40	IKE 017		<1.00	22.70	1.66	<0.50		<0.30	<1.90	14.00	<1.00	2.31	<0.50	<1.30	3.77	<1.00	<1.00	<3.20					
03U316		03-Mar-94	A42	IKU 011	44113	<1.00	23.20	1.26	<0.50		<0.30	<1.90	14.10	<1.00	1.29	<0.50	<1.30	3.02	<1.00	<1.00	<3.20					
03U316		07-Sep-94	A44	IVR 007	NA	<1.00	24.20	2.16	0.34		<0.30	<1.90	10.20	<1.00	2.00	(7) 0.99	<1.30	3.12	<1.00	<1.00	<3.20					
03U316	(4)	07-Sep-94	A44	IVR 008	NA	<1.00	23.00	2.05	0.34		<0.30	<1.90	9.61	<1.00	1.88	(7) 0.48	<1.30	2.88	<1.00	<1.00	<3.20					
03U316		14-Mar-95	A46	IZQ 019	59420	<1.00	14.40	1.57	<0.50		<0.30	<1.90	7.64	<1.00	1.46	<0.50	<1.30	1.51	<1.00	<1.00	<3.20					
03U316	(4)	14-Mar-95	A46	IZQ 020	59420	<1.00	12.40	1.26	<0.50		<0.30	<1.90	6.91	<1.00	1.25	<0.50	<1.30	1.30	<1.00	<1.00	<3.20					
03U316		11-Sep-95	A48	HWE 004	267619	<1.00	19.40	1.92	0.29		<0.30	<1.90	9.92	<1.00	1.38	<0.50	<1.30	1.39	<1.00	<1.00	<3.20					
03U317		*03-Mar-93*	*A38*	*ZBS 011*		<250.00	12000.00	<250.00	<130.00		<75.00	<480.00	4600.00	<250.00	<200.00	<130.00	<330.00	<180.00	<250.00	<250.00	<800.00					
03U317		15-Sep-93	A40	IKE 015		<200.00	14000.00	240.00	<100.00		<60.00	<380.00	4700.00	<200.00	<160.00	<100.00	<260.00	<140.00	<200.00	<200.00	<640.00					
03U317		03-Mar-94	A42	IKU 012	44115	<250.00	15000.00	<250.00	<130.00		<75.00	<480.00	4900.00	<250.00	<200.00	<130.00	<330.00	<180.00	<250.00	<250.00	<800.00					
03U317		07-Sep-94	A44	ZVQ 008	NA	<500.00	12000.00	<500.00	<250.00		<150.00	<950.00	3100.00	<500.00	<390.00	<250.00	<650.00	<360.00	<500.00	<500.00	<1600.00					
03U317		14-Mar-95	A46	IZQ 021	59420	<200.00	6700.00	120.00	<100.00		<60.00	<380.00	2300.00	<200.00	<160.00	<100.00	<260.00	<140.00	<200.00	<200.00	<640.00					
03U317		11-Sep-95	A48	HWF 004	267619	25.00	8400.00	33.00	6.00		<3.00	<19.00	2800.00	<10.00	40.00	8.60	<13.00	<7.20	<10.00	26.00	<32.00					
03U658		22-Mar-93	A38	ZHJ 004		<1.00	0.79	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U658		08-Mar-94	A42	ZUD 004	46809	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U658	(4)	08-Mar-94	A42	IKY 007	46809	<1.00	1.15	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U658		13-Mar-95	A46	IZO 009	59420	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U659		*23-Mar-93*	*A38*	*ZHL 007*		<1.00	730.00	2.82	68.00		<0.30	<1.90	32.60	<1.00	2.60	<0.50	<1.30	1.80	<1.00	<1.00	<3.20					
03U659		10-Mar-94	A42	IUC 007	NC	<100.00	4400.00	<100.00	460.00		<30.00	<190.00	190.00	<100.00	<78.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03U659		21-Mar-95	A46	IZV 007	NC	<10.00	340.00	<10.00	48.00		<3.00	<19.00	21.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03U659	(4)	21-Mar-95	A46	IZV 008	NC	<10.00	340.00	<10.00	48.00		<3.00	<19.00	25.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03U671		22-Mar-93	A38	ZHJ 007		<50.00	1400.00	110.00	<25.00		<15.00	<95.00	980.00	<50.00	58.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03U671		*02-Mar-94*	*A42*	*IKT 014*	*NC*	<25.00	940.00	43.00	27.00		<7.50	<48.00	310.00	<25.00	34.00	<13.00	<33.00	<18.00	<25.00	<25.00	<80.00					
03U671		15-Mar-95	A46	IZS 014	NC	<25.00	560.00	51.00	9.30		<7.50	<48.00	210.00	<25.00	37.00	<13.00	<33.00	<18.00	<25.00	<25.00	<80.00					
03U672		10-Mar-93	A38	ZHA 004		<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U672		13-Sep-93	A40	ZKB 006		<1.00	1.60	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U672	(4)	13-Sep-93	A40	ZKB 007		<1.00	1.65	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U672		04-Mar-94	A42	*IKT 015*	*44113*	*<1.00*	*1.14*	*<1.00*	*<0.50*		*<0.30*	*<1.90*	*<1.00*	*<1.00*	*<0.78*	*<0.50*	*<1.30*	*<0.72*	*<1.00*	*<1.00*	*<3.20*					
03U672		09-Sep-94	A44	ZVT 008	211540	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.60	<1.30	<0.72	<1.00	<1.00	<3.20					
03U672		17-Mar-95	A46	IZU 007	63649	<1.00	0.39	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U672		12-Sep-95	A48	HWE 007	NC	<1.00	0.69	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U673		03-Mar-93	A38	ZBS 007		<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U673		13-Sep-93	A40	ZKB 005		*<1.00*	*<0.50*	*<1.00*	*<0.50*		*<0.30*	*<1.90*	*<1.00*	*<1.00*	*<0.78*	*<0.50*	<1.30	<0.72	<1.00	<1.00	<3.20					
03U673		04-Mar-94	A42	IKV 006	44113	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U673		06-Jun-94	A43	IVD 009	126780	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U673		08-Sep-94	A44	IVS 011	NA	<1.00	0.37	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.73	<1.30	<0.72	<1.00	<1.00	<3.20					
03U673		08-Dec-94	A45	IZF 009	288420	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U673		15-Mar-95	A46	IZS 020	NC	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U673		12-Sep-95	A48	HWD 016	NC	<1.00	<0.50	<1.00	<0.50		<8.82	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U701		08-Mar-93	A38	IBX 012		<2.00	58.00	2.60	2.20		<0.60	<3.80	16.00	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
03U701		09-Mar-94	A42	IUB 012	NC	<1.00	40.60	1.16	1.49		<0.30	<1.90	6.54	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					

TABLE II - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
03U701		17-Mar-95	A46	IZU 005	63649	<1.00	32.00	0.72	0.89		<0.30	<1.90	4.19	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U702		08-Mar-93	A38	IBX 004		<1.00	5.09	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U702	(4)	08-Mar-93	A38	IBX 005							<0.30															
03U702		08-Mar-94	A42	IUA 007	46809	<1.00	9.71	<1.00	<0.50		<0.30	<1.90	1.22	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U702		13-Mar-95	A46	IZP 011	NC	<1.00	5.00	<1.00	<0.50		<0.30	<1.90	0.86	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U703		15-Mar-93	A38	ZHF 007		<5.00	180.00	<5.00	7.60		<1.50	<9.50	14.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
03U703		08-Mar-94	A42	IKY 008	46809	<1.00	140.00	1.12	3.19		<0.30	<1.90	3.44	<1.00	1.57	0.52	<1.30	<0.72	<1.00	<1.00	<3.20					
03U703		22-Mar-95	A46	IZV 011	NC	<5.00	200.00	4.40	6.00		<1.50	<9.50	25.00	<5.00	2.50	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
03U704		17-Mar-93	A38	IHN 009		<1.00	0.94	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U704		09-Mar-94	A42	IUB 005	NC	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U704		16-Mar-95	A46	IZT 010	NC	<1.00	0.33	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U705		16-Mar-93	A38	ZHH 006		<1.00	6.31	<1.00	<0.50		<0.30	<1.90	3.21	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U705		14-Sep-93	A40	ZKB 009		<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U705		08-Mar-94	A42	IKY 011	46809	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U705		09-Sep-94	A44	ZVU 007	211540	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U705	(4)	09-Sep-94	A44	ZVU 008	211540	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U705		16-Mar-95	A46	IZT 011	NC	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U705		14-Sep-95	A48	HWF 016	NC	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U705	(4)	14-Sep-95	A48	HWF 017	NC	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U706		16-Mar-93	A38	ZHH 005		<1.00	4.70	<1.00	<0.50		<0.30	<1.90	1.73	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U706		08-Mar-94	A42	IKY 006	46809	<1.00	0.58	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U706		15-Mar-95	A46	IZS 012	NC	<1.00	0.32	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U706		14-Sep-95	A48	HWF 018	NC	<1.00	0.35	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U707		16-Mar-93	A38	ZHG 009		<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U707		08-Mar-94	A42	IUA 006	46809	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.52	<1.30	<0.72	<1.00	<1.00	<3.20					
03U707		15-Mar-95	A46	IZS 013	NC	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U708		12-Mar-93	A38	IHD 012		28.90	560.00	89.00	6.20		<0.30	<1.90	820.00	3.10	28.50	2.08	3.26	1.61	<1.00	<1.00	<3.20					
03U708		09-Mar-94	A42	ZUG 008	NC	<100.00	2800.00	130.00	77.00		<30.00	<190.00	1500.00	<100.00	130.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03U708		14-Mar-95	A46	IZS 007	59420 (6)	9.47	880.00	86.00	32.00		<0.30	<1.90	380.00	<1.00	49.10	1.58	<1.30	2.04	<1.00	<1.00	1.56					
03U709		17-Mar-93	A38	ZHH 009		<50.00	1300.00	76.00	<25.00		<15.00	<95.00	510.00	<50.00	100.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03U709	(4)	17-Mar-93	A38	ZHH 010		<50.00	1300.00	76.00	<25.00		<15.00	<95.00	500.00	<50.00	110.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03U709		09-Mar-94	A42	IUB 015	NC	<10.00	300.00	25.00	<5.00		<3.00	<19.00	51.00	<10.00	48.00	<5.00	<13.00	<7.20	<10.00	<10.00	58.00					
03U709		15-Mar-95	A46	IZT 007	NC	<10.00	130.00	14.00	<5.00		<3.00	<19.00	33.00	<10.00	24.00	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03U710		22-Mar-93	A38	ZHJ 010		<20.00	600.00	<20.00	12.00		<6.00	<38.00	99.00	<20.00	<16.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
03U710		04-Mar-94	A42	IKV 008	44113	<25.00	670.00	<25.00	<13.00		<7.50	<48.00	85.00	<25.00	<20.00	<13.00	<33.00	<18.00	<25.00	<25.00	<80.00					
03U710		22-Mar-95	A46	IZV 010	NC	<10.00	260.00	<10.00	7.60		<3.00	<19.00	35.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03U711		04-Mar-93	A38	ZBV 005		23.00	140.00	37.00	<5.00		<3.00	<19.00	370.00	<10.00	13.00	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03U711		14-Sep-93	A40	ZKC 009		<20.00	490.00	78.00	11.00		<6.00	<38.00	600.00	<20.00	36.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
03U711		14-Sep-93	M40			20.00	370.00	120.00		11.00	<0.20	<1.00	520.00	3.50	43.00	1.40	3.20	3.10	<0.20	<0.20	1.20	0.20	<0.20		<0.20	<0.20
03U711		04-Mar-94	A42	IKT 018	44113	<50.00	970.00	97.00	<25.00		<15.00	<95.00	670.00	<50.00	68.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03U711		07-Sep-94	A44	IVS 008	NA	15.00	1000.00	120.00	15.00		<3.00	<19.00	420.00	<10.00	87.00	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03U711	(4)	07-Sep-94	A44	IVS 009	NA	14.00	990.00	110.00	15.00		<3.00	<19.00	420.00	<10.00	80.00	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03U711		16-Mar-95	A46	IZU 009	NC	<25.00	540.00	70.00	7.90		<7.50	<48.00	260.00	<25.00	45.00	<13.00	<33.00	<18.00	<25.00	<25.00	<80.00					
03U711		12-Sep-95	A48	HWE 013	NC	<20.00	470.00	41.00	<10.00		<6.00	<38.00	170.00	<20.00	30.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
03U801		04-Mar-93	A38	ZBV 008		<200.00	11000.00	<200.00	310.00		<60.00	<380.00	<200.00	<200.00	<160.00	<100.00	<260.00	<140.00	<200.00	<200.00	<640.00					
03U801		03-Mar-94	A42	IKR 006	44113	<200.00	5200.00	<200.00	<100.00		<60.00	<380.00	<200.00	<200.00	<160.00	<100.00	<260.00	<140.00	<200.00	<200.00	<640.00					
03U801		17-Mar-95	A46	IZU 004	63649	<25.00	990.00	<25.00	20.00		<7.50	<48.00	<25.00	<25.00	<20.00	<13.00	<33.00	<18.00	<25.00	<25.00	<80.00					
03U804		04-Mar-93	A38	ZBV 006		<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U804		02-Mar-94	A42	IKT 005	NC	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U804		16-Mar-95	A46	IZT 022	NC	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U805		10-Mar-93	A38	ZHA 005		<1.00	<0.50	<1.00	0.62		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U805		03-Mar-94	A42	IKR 009	44113	<1.00	1.22	<1.00	<0.50		<0.30	<1.90	2.41	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					

TABLE II - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
03U805		17-Mar-95	A46	IZV 004	63649	<1.00	<0.50	<1.00	1.27		<0.30	<1.90	0.75	<1.00	0.45	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U806		04-Mar-93	A38	ZBV 013		<25.00	2700.00	95.00	22.00		<7.50	<48.00	80.00	<25.00	200.00	<13.00	<33.00	<18.00	<25.00	<25.00	<80.00					
03U806		13-Sep-93	A40	ZKC 006		<50.00	2500.00	81.00	<25.00		<15.00	<95.00	82.00	<50.00	180.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03U806		02-Mar-94	A42	IKT 004	NC	<100.00	2500.00	<100.00	<50.00		<30.00	<190.00	<100.00	<100.00	150.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
03U806		09-Sep-94	A44	ZVT 006	211540	<20.00	1500.00	61.00	10.00		<6.00	<38.00	51.00	<20.00	110.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
03U806		13-Mar-95	A46	IZO 020	59420	<50.00	1200.00	49.00	<25.00		<15.00	<95.00	110.00	<50.00	95.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03U806		13-Sep-95	A48	HWE 015	269743	<50.00	1100.00	39.00	<25.00		<15.00	<95.00	82.00	<50.00	63.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
03U811		10-Mar-93	F38	IHA 005		<1.00	0.95	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U811		18-Mar-94	F42	IUO 010	57070	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U811		23-Mar-95	F46	DSB 008	5115-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03U821		11-Mar-93	F38	IHB 011		<10.00	300.00	<10.00	<5.00			<19.00	42.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
03U821		18-Mar-94	F42	IUO 017	57070	<5.00	110.00	4.60	<2.50			<9.50	14.00	<5.00	4.20	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
03U821		15-Mar-95	F46	DRT 012	5054-01 (6)	<2.41	17.20	3.47		1.68	<1.06	<4.10	4.29	<1.52	4.28	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03U821	(4)	15-Mar-95	F46	DRT 013	5054-01 (6)	<2.41	<1.04	<1.01		1.68	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03U822		12-Mar-93	F38	IHC 008		<1.00	<0.50	11.20	1.99			<1.90	19.50	<1.00	18.10	0.76	<1.30	<0.72	<1.00	<1.00	<3.20					
03U822		18-Mar-94	F42	IUP 007	57070	<1.00	2.70	8.41	1.72			1.20	2.60	<1.00	15.20	1.13	<1.30	<0.72	<1.00	<1.00	<3.20					
03U822		15-Mar-95	F46	DRT 005	5054-01	<2.41	9.10	9.25		1.34	<1.06	<4.10	3.96	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03U824		18-Mar-94	F42	IUP 011	57070	<1.00	94.00	3.64	6.98			<1.90	8.32	<1.00	14.50	1.14	<1.30	<0.72	<1.00	<1.00	<3.20					
03U824		15-Mar-95	F46	DRT 010	5054-01	<2.41	19.70	5.89		3.40	<1.06	<4.10	4.78	<1.52	8.61	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03U831		12-Mar-93	F38	IHE 007		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U831		21-Mar-94	F42	IUS 018	59021	<1.00	0.47	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U831		16-Mar-95	F46	DRU 005	5072-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
03U832		16-Mar-93	F38	IHG 007		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
03U832		21-Mar-94	F42	IUS 010	59021	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.29	<1.30	<0.72	<1.00	<1.00	<3.20					
03U832		16-Mar-95	F46	DRU 008	5072-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
04J077		09-Mar-93	A38	ZBZ 005		<20.00	1100.00	43.00	17.00		<6.00	<38.00	270.00	<20.00	76.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
04J077		08-Mar-94	A42	IKZ 017	46809	<25.00	800.00	54.00	20.00		<7.50	<48.00	180.00	<25.00	74.00	<13.00	<33.00	<18.00	<25.00	<25.00	<80.00					
04J077	(4)	08-Mar-94	A42	IKZ 018	46809	<50.00	910.00	59.00	<25.00		<15.00	<95.00	160.00	<50.00	74.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
04J077		15-Mar-95	A46	IZR 016	NC (6)	<100.00	1500.00	140.00	<50.00		<30.00	<190.00	500.00	<100.00	120.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
04J702		08-Mar-93	A38	IBX 007		<5.00	180.00	<5.00	<2.50		<1.50	<9.50	28.00	<5.00	4.60	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
04J702		07-Mar-94	A42	IKX 006	NC	<1.00	32.10	<1.00	<0.50		<0.30	<1.90	2.56	<1.00	2.13	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J702	(4)	07-Mar-94	A42	IKX 007	NC	<1.00	36.60	<1.00	<0.50		<0.30	<1.90	2.89	<1.00	2.15	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J702		13-Mar-95	A46	IZP 010	59420	<1.00	24.10	0.94	<0.50		<0.30	<1.90	4.12	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J708		12-Mar-93	A38	IHD 008		<1.00	20.80	<1.00	0.77		<0.30	<1.90	2.14	<1.00	2.72	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J708		09-Mar-94	A42	ZUG 007	NC	<1.00	15.50	<1.00	<0.50		<0.30	<1.90	1.96	<1.00	1.81	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J708		14-Mar-95	A46	IZR 008	59420	<1.00	11.60	<1.00	0.36		<0.30	<1.90	(7) 1.24	<1.00	1.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J708	(4)	14-Mar-95	A46	IZR 009	59420	<1.00	10.60	<1.00	0.35		<0.30	<1.90	(7) 1.96	<1.00	1.69	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J713		08-Mar-93	A38	IBX 010		<1.00	10.80	<1.00	<0.50		<0.30	<1.90	1.88	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J713		07-Mar-94	A42	IKX 004	NC	<1.00	2.38	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J713		14-Mar-95	A46	IZR 012	59420	<1.00	5.85	<1.00	<0.50		<0.30	<1.90	1.26	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J714		11-Mar-93	A38	ZHB 008		<1.00	5.17	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J714		14-Sep-93	A40	ZKC 012		<1.00	4.61	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J714		07-Mar-94	A42	ZKW 007	NC	<1.00	3.55	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J714		07-Sep-94	A44	ZVQ 004	NA	<1.00	3.27	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.61	<1.30	<0.72	<1.00	<1.00	<3.20					
04J714		16-Mar-95	A46	IZT 012	NC	<1.00	1.53	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J714		13-Sep-95	A48	HWF 008	269743	<1.00	2.17	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J815		09-Mar-93	M38			<1.00	<0.50	<1.00		<0.20	<0.20	<1.00	<2.00	<1.20	<1.00	<0.30	<1.70	<1.50	<1.00	<5.00	<5.00	<1.00	<1.00		<1.00	<1.00
04J815		13-May-93	M39			<0.20	<0.10	<0.50		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
04J834		08-Mar-93	F38		(5)	<1.00	11.60	<1.00	<0.50			<1.90	1.05	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J834		12-May-93	F39	IHT 011		<1.00	11.10	<1.00	<0.50			<1.90	1.83	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J834		23-Mar-94	F42	IUW 010	62588	<1.00	1.45	0.58	0.74			<1.90	<1.00	<1.00	2.33	0.34	<1.30	<0.72	<1.00	<1.00	<3.20					

TABLE II - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
04J834		24-Mar-94	M42			<0.20	2.20	<0.50		1.20	<0.20	<1.00	0.50	<0.20	2.80	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	0.40	1.10		0.30	0.70
04J834		24-Mar-94	M42			<0.20	2.20	<0.50		1.20	<0.10	<0.50	0.50	<0.20	2.80	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	0.40	1.10		0.30	0.70
04J834		27-Mar-95	F46	DSE 011	5131-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	1.30	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
04J834		11-Sep-95	F48	EWD 014	NC	<2.41	1.97	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	<1.08	<3.94	<4.47	<1.41					
04J835		09-Mar-93	F38		(5)	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J835		12-May-93	F39	IHT 013		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J835		24-Mar-94	F42	IUX 005	63410	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J835		24-Mar-94	M42			<0.20	0.20	<0.50		<0.20	<0.10	<0.50	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50					
04J835		24-Mar-94	M42			<0.20	0.20	<0.50		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	0.40		<0.20	<0.20
04J835		27-Mar-95	F46	DSE 012	5131-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41	<0.20	0.40		<0.20	0.30
04J835		12-Sep-95	F48	EWD 015	6502-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	<1.08	<3.94	<4.47	<1.41					
04J844		08-Mar-93	M38			<1.00	9.70	<1.00		<0.20	<0.20	<1.00	<2.00	<1.20	<1.00	<0.30	<1.70	<1.50	<1.00	<5.00	<5.00	<1.00	<1.00		<1.00	<1.00
04J844		13-May-93	M39			<0.20	11.00	1.10		0.30	<0.20	<1.00	0.20	<0.20	1.00	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	0.30		<0.20	<0.20
04J864		26-Feb-93	A38	ZBP 004		<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J864		07-Jun-94	A43	ZVE 006	126780	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.70	<1.30	<0.72	<1.00	<1.00	<3.20					
04J864		07-Jun-94	M43			<0.20	<0.10	<0.50		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
04J864		07-Jun-94	M43			<0.20	<0.10	<0.50		<0.20	<0.10	<0.50	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
04J864		13-Sep-94	A44	IVV 006	215473	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.46	<1.30	<0.72	<1.00	<1.00	<3.20					
04J864		06-Dec-94	A45	ZZD 011	NC	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J864		08-Mar-95	A46	IZL 009	56391	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J864		09-Jun-95	A47	IZY 015	288420	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J866		13-Apr-93	A39	ZHP 009		<1.00	6.49	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J866		09-Jun-94	A43	ZVG 007	126780	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J866		15-Sep-94	A44	IVX 013	218146	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	2.28					
04J866		08-Dec-94	A45	IZE 018	288420	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	0.58	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	(7) 9.22					
04J866	(4)	08-Dec-94	A45	IZE 019	288420	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	(7) 1.84					
04J866		09-Mar-95	A46	IZL 014	56391	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J866		07-Jun-95	A47	IZY 012	NC	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J882		08-Mar-93	F38		(5)	<1.00	0.84	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J882		08-Mar-93	M38			<1.00	<0.50	<1.00		<0.20	<0.20	<1.00	<2.00	<1.20	<1.00	<0.30	<1.70	<1.50	<1.00	<5.00	<5.00	<1.00	<1.00		<1.00	<1.00
04J882	(4)	08-Mar-93	F38		(5)	<1.00	0.81	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J882		11-May-93	F39	IHT 009		<5.00	<2.50	<5.00	<2.50			<9.50	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
04J882		13-May-93	M39			<0.20	0.30	<0.50		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	0.40		<0.20	0.20
04J882		23-Mar-94	F42	IUW 008	62588	<1.00	0.99	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04J882		24-Mar-94	M42			<0.20	0.30	<0.50		<0.20	<0.10	<0.50	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	1.20	2.60		0.80	1.60
04J882		27-Mar-95	F46	DSE 007	5130-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
04J882		11-Sep-95	F48	EWD 011	NC	<2.41	24.00	<1.01		<0.89	<1.06	<4.10	2.49	<1.52	1.59	<3.94	<1.20	<1.08	<3.94	<4.47	<1.41					
04U001		11-Mar-93	A38	ZHB 004		<1.00	4.17	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U001		15-Sep-93	A40	ZKD 005		<1.00	3.47	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U001		07-Mar-94	A42	ZKW 005	NC	<1.00	2.80	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U001		07-Sep-94	A44	ZVQ 007	NA	<1.00	1.26	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.42	<1.30	<0.72	<1.00	<1.00	<3.20					
04U001		15-Mar-95	A46	IZS 021	NC	<1.00	2.56	<1.00	<0.50		<0.30	<1.90	0.66	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U001		13-Sep-95	A48	HWF 011	269743	<1.00	3.21	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U002		09-Mar-93	A38	ZBZ 010		<1.00	51.10	1.14	<0.50		<0.30	<1.90	8.62	<1.00	2.90	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U002		04-Mar-94	A42	IKV 010	44113	<1.00	36.20	<1.00	1.09		<0.30	<1.90	4.51	<1.00	2.58	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U002		16-Mar-95	A46	IZT 017	NC (6)	<1.00	16.30	0.97	<0.50		<0.30	<1.90	2.63	<1.00	1.45	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U003		17-Mar-93	A38	IHN 006		<1.00	4.23	<1.00	<0.50		<0.30	<1.90	1.27	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U003		15-Sep-93	A40	ZKD 008		<1.00	1.22	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U003	(4)	15-Sep-93	A40	ZKD 009		<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U003		02-Mar-94	A42	IKT 007	NC	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U003		09-Sep-94	A44	ZVU 004	211540	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.49	<1.30	<0.72	<1.00	<1.00	<3.20					
04U003		14-Mar-95	A46	IZP 016	59420	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U003		14-Sep-95	A48	HWF 014	NC	<1.00	0.37	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U007		14-Mar-94	F42	IUH 004	NC	<1.00	(7) 0.36	<1.00	1.41			<1.90	<1.00	<1.00	<0.78	0.31	<1.30	<0.72	<1.00	<1.00	<3.20					
04U007	(4)	14-Mar-94	F42	IUH 010	NC	<1.00	(7) 0.51	<1.00	1.33			<1.90	<1.00	<1.00	<0.78	0.39	<1.30	<0.72	<1.00	<1.00	<3.20					
04U007		08-Sep-95	F48	EWD 006	6484-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	<1.08	<3.94	<4.47	<1.41					

TABLE II - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Loi #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
04U020		16-Mar-93	A38	ZHG 008		<2.00	56.00	<2.00	1.50		<0.60	<3.80	4.90	<2.00	5.90	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
04U020		04-Mar-94	A42	IKV 013	44113	<1.00	60.00	<1.00	1.80		<0.30	<1.90	3.30	<1.00	11.10	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U020		20-Mar-95	A46	IZU 016	NC	<1.00	9.32	<1.00	<0.50		<0.30	<1.90	0.68	<1.00	1.05	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U027		18-Mar-93	A38	ZHI 007		<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U027		07-Mar-94	A42	IKX 009	NC	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U027		15-Mar-95	A46	IZS 010	NC	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U027	(4)	15-Mar-95	A46	IZS 011	NC	<1.00	0.46	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U077		09-Mar-93	A38	ZBZ 006		<25.00	1700.00	30.00	<13.00		<7.50	<48.00	440.00	<25.00	21.00	<13.00	<33.00	<18.00	<25.00	<25.00	<80.00					
04U077		08-Mar-94	A42	IKZ 013	46809	<25.00	540.00	<25.00	<13.00		<7.50	<48.00	57.00	<25.00	23.00	<13.00	<33.00	<18.00	<25.00	<25.00	<80.00					
04U077		15-Mar-95	A46	IZS 005	NC	<20.00	820.00	28.00	<10.00		<6.00	<38.00	140.00	<20.00	<16.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
04U414		09-Jun-94	A43	ZVH 008	126780	<1.00	0.65	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U510		11-Mar-94	F42	IUG 005	NC	<1.00	<0.50	<1.00	<0.50			<1.90	0.89	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U673		03-Mar-93	A38	ZBS 005		<20.00	280.00	<20.00	11.00		<6.00	<38.00	<20.00	<20.00	<16.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
04U673		13-Sep-93	A40	ZKC 007		<5.00	190.00	<5.00	7.60		<1.50	<9.50	6.70	<5.00	<3.90	<2.50	<6.50	<3.60	7.40	<5.00	<16.00					
04U673		03-Mar-94	A42	IKR 007	44113	<10.00	270.00	<10.00	6.90		<3.00	<19.00	33.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
04U673		06-Jun-94	A43	IVD 006	126780	<2.00	210.00	1.20	7.20		<0.60	<3.80	2.00	<2.00	1.00	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
04U673		08-Sep-94	A44	IVS 012	NA	<5.00	170.00	<5.00	8.20		<1.50	<9.50	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
04U673		08-Dec-94	A45	IZF 011	288420	<2.00	190.00	<2.00	5.70		<0.60	<3.80	1.60	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
04U673		15-Mar-95	A46	IZS 018	NC	<5.00	160.00	<5.00	6.00		<1.50	<9.50	3.40	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
04U673	(4)	15-Mar-95	A46	IZS 019	NC	<5.00	140.00	<5.00	6.00		<1.50	<9.50	3.20	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
04U673		12-Sep-95	A48	HWD 017	NC	<3.00	260.00	<5.00	6.50		<44.00	<9.50	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
04U701		08-Mar-93	A38	IBX 014		<5.00	80.00	<5.00	<2.50		<1.50	<9.50	15.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
04U701		09-Mar-94	A42	IUB 014	NC	<2.00	67.00	<2.00	<1.00		<0.60	<3.80	8.60	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	6.40					
04U701		17-Mar-95	A46	IZU 006	63649	<1.00	35.50	1.31	<0.50		<0.30	<1.90	5.70	<1.00	0.66	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U702		08-Mar-93	A38	IBX 008		<2.00	56.00	<2.00	<1.00		<0.60	<3.80	8.00	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
04U702	(4)	08-Mar-93	A38	IBX 009		<2.00	60.00	<2.00	<1.00		<0.60	<3.80	9.10	<2.00	<1.60	<1.00	<2.60	<1.40	2.50	<2.00	<6.40					
04U702		08-Mar-94	A42	IUA 004	46809	<1.00	45.20	<1.00	<0.50		<0.30	<1.90	6.28	<1.00	<0.78	0.67	<1.30	<0.72	<1.00	<1.00	<3.20					
04U702		13-Mar-95	A46	IZP 009	59420	<5.00	97.00	3.80	<2.50		<1.50	<9.50	18.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
04U708		12-Mar-93	A38	IHD 007		<1.00	22.50	<1.00	0.63		<0.30	<1.90	2.26	<1.00	1.76	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U708		09-Mar-94	A42	IUB 016	NC	<1.00	11.20	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	1.18	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U708		14-Mar-95	A46	IZR 004	59420	<1.00	6.46	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	0.41	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U709		17-Mar-93	A38	IHN 004		<10.00	270.00	<10.00	<5.00		<3.00	<19.00	20.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
04U709		18-Mar-93	M38			<0.20	150.00	9.50		2.30	<0.20	<1.00	19.00	<0.20	7.50	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
04U709		09-Mar-94	A42	ZUG 006	NC	<5.00	180.00	<5.00	<2.50		<1.50	<9.50	18.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
04U709		15-Mar-95	A46	IZT 008	NC	<2.00	73.00	2.00	0.54		<0.60	<3.80	7.00	<2.00	2.10	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
04U711		04-Mar-93	A38	ZBV 007		<1.00	1.95	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	1.94	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U711		14-Sep-93	A40	ZKC 010		<1.00	2.78	<1.00	<0.50		<0.30	<1.90	1.09	<1.00	2.12	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U711		14-Sep-93	M40			<0.20	3.50	<0.50		<0.20	<0.20	<1.00	1.20	<0.20	2.80	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
04U711		04-Mar-94	A42	IKT 016	44113	<1.00	5.83	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	2.42	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U711	(4)	04-Mar-94	A42	IKT 017	44113	<1.00	6.62	<1.00	0.55		<0.30	<1.90	1.34	<1.00	2.52	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U711		07-Sep-94	A44	IVS 021	NA	<1.00	4.66	<1.00	0.38		<0.30	<1.90	0.77	<1.00	2.26	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U711		16-Mar-95	A46	IZT 023	NC	<1.00	3.40	<1.00	<0.50		<0.30	<1.90	0.60	<1.00	1.16	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U711		12-Sep-95	A48	HWE 014	NC	<1.00	6.89	<1.00	<0.50		<0.30	<1.90	0.70	<1.00	0.60	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U713		08-Mar-93	A38	IBX 011		<1.00	1.48	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U713		07-Mar-94	A42	ZKW 008	NC	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U713		14-Mar-95	A46	IZR 013	59420	<1.00	1.78	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U714		11-Mar-93	A38	ZHB 006		<1.00	12.70	<1.00	<0.50		<0.30	<1.90	1.39	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U714	(4)	11-Mar-93	A38	ZHB 007		<1.00	12.00	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U714		14-Sep-93	A40	ZKC 011		<1.00	5.61	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U714		07-Mar-94	A42	ZKW 006	NC	<1.00	4.53	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U714		07-Sep-94	A44	ZVQ 005	NA	<1.00	3.15	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U714		16-Mar-95	A46	IZT 009	NC	<1.00	5.03	<1.00	<0.50		<0.30	<1.90	0.61	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					

TABLE II - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
04U714		13-Sep-95	A48	HWF 007	269743	<1.00	6.76	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U802		17-Mar-93	A38	IHN 010		<1.00	1.05	<1.00	<0.50		<0.30	<1.90	1.47	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U802		03-Mar-94	A42	IKR 005	44113	<1.00	1.89	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U802		14-Mar-95	A46	IZR 005	59420	<1.00	0.90	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U806		03-Mar-93	A38	ZBS 008		<200.00	3200.00	300.00	120.00		<60.00	<380.00	720.00	<200.00	420.00	<100.00	<260.00	<140.00	<200.00	<200.00	<640.00					
04U806		13-Sep-93	A40	ZKC 005		<100.00	3300.00	210.00	76.00		<30.00	<190.00	700.00	<100.00	380.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
04U806		02-Mar-94	A42	IKQ 004	NC	<100.00	2300.00	140.00	65.00		<30.00	<190.00	400.00	<100.00	240.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
04U806	(4)	02-Mar-94	A42	IKQ 005	NC	<100.00	2500.00	150.00	68.00		<30.00	<190.00	460.00	<100.00	250.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
04U806		09-Sep-94	A44	ZVT 004	211540	<50.00	1100.00	65.00	38.00		<15.00	<95.00	88.00	<50.00	170.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
04U806		13-Mar-95	A46	IZO 017	59420	<10.00	450.00	29.00	(7) 11.00		<3.00	<19.00	94.00	<10.00	(7) 45.00	2.60	<13.00	<7.20	<10.00	<10.00	<32.00					
04U806	(4)	13-Mar-95	A46	IZO 018	59420	<20.00	390.00	26.00	(7) 8.10		<6.00	<38.00	84.00	<20.00	(7) 34.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
04U806		12-Sep-95	A48	HWE 012	NC	<10.00	450.00	19.00	5.10		<3.00	<19.00	66.00	<10.00	15.00	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
04U821		11-Mar-93	F38	IHB 009		<10.00	190.00	<10.00	<5.00			<19.00	34.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
04U821	(4)	11-Mar-93	F38	IHB 010		<10.00	280.00	<10.00	<5.00			<19.00	42.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
04U821		18-Mar-94	F42	IUP 006	57070 (6)	<5.00	140.00	5.40	<2.50			<9.50	15.00	<5.00	5.00	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
04U821		15-Mar-95	F46	DRT 011	5054-01	<2.41	20.90	4.43		<0.89	<1.06	<4.10	8.96	<1.52	4.11	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
04U832		16-Mar-93	F38	IHG 004		<1.00	42.00	<1.00	0.72			<1.90	4.54	<1.00	1.34	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U832	(4)	16-Mar-93	F38	IHG 005		<1.00	45.90	1.12	1.01			<1.90	7.88	<1.00	1.50	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U832		10-Jun-94	A43	ZVI 004	126780	<1.00	49.00	2.66	0.54		<0.30	<1.90	7.93	<1.00	3.28	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U832		13-Sep-94	A44	IVV 010	215473	<1.00	49.50	2.40	0.43		<0.30	<1.90	6.99	<1.00	1.91	0.73	<1.30	<0.72	<1.00	<1.00	<3.20					
04U832		07-Dec-94	A45	IZE 005	288420	<1.00	43.30	1.63	0.27		<0.30	<1.90	6.21	<1.00	1.53	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U832	(4)	07-Dec-94	A45	IZE 006	288420	<1.00	47.10	1.97	0.29		<0.30	<1.90	6.65	<1.00	1.66	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U832		10-Mar-95	A46	IZN 004	NC	<2.00	56.00	3.00	<1.00		<0.60	<3.80	10.00	<2.00	2.50	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
04U833		08-Mar-93	F38		(5)	<1.00	150.00	4.22	0.78			<1.90	26.00	<1.00	2.11	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U833		11-May-93	F39		(5)	<5.00	100.00	<5.00	<2.50			<9.50	14.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
04U833		04-Mar-94	A42	IKV 004	44113	<5.00	150.00	<5.00	<2.50		<1.50	<9.50	13.00	<5.00	5.80	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
04U833		17-Mar-95	A46	IZU 014	63649	<5.00	120.00	<5.00	<2.50		<1.50	<9.50	7.70	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
04U833		12-Sep-95	A48	HWE 011	NC	<5.00	150.00	<5.00	<2.50		<1.50	<9.50	6.70	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
04U834		12-May-93	F39		(5)	<1.00	21.10	<1.00	<0.50			<1.90	1.73	<1.00	1.42	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U834		23-Mar-94	F42	IUW 012	62588	<1.00	6.65	<1.00	0.47			<1.90	<1.00	<1.00	1.71	0.33	<1.30	<0.72	<1.00	<1.00	<3.20					
04U834		24-Mar-94	M42			<0.20	18.00	1.60		1.00	<0.20	<1.00	2.50	<0.20	2.60	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	1.20	1.70		1.00	1.20
04U834		24-Mar-94	M42			<0.20	18.00	1.60		1.00	<0.10	<0.50	2.50	<0.20	2.60	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	1.20	1.70		1.00	1.20
04U834		27-Mar-95	F46	DSE 010	5131-01	<2.41	12.40	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	3.18	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
04U834		11-Sep-95	F48	EWD 013	NC	<2.41	8.15	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	<1.08	<3.94	<4.47	<1.41					
04U841		10-Mar-93	F38	IHA 007		<1.00	8.13	<1.00	<0.50			<1.90	1.86	<1.00	0.92	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U841	(4)	10-Mar-93	F38	IHA 008		<1.00	9.66	<1.00	<0.50			<1.90	2.38	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U841		17-Mar-94	F42	IUO 006	NC	<1.00	8.74	0.99	0.56			<1.90	2.16	<1.00	1.20	0.53	<1.30	<0.72	<1.00	<1.00	<3.20					
04U841		23-Mar-95	F46	DSB 006	5115-01	<2.41	8.07	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
04U843		12-Mar-93	F38	IHE 006		<1.00	15.00	4.16	<0.50			<1.90	11.80	<1.00	4.33	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U843		18-Mar-94	F42	IUO 016	57070	<1.00	6.93	2.90	<0.50			<1.90	6.22	<1.00	3.76	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U843		15-Mar-95	F46	DRT 007	5054-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
04U844		15-Mar-93	F38	IHE 014		<20.00	1100.00	30.00	<10.00			<38.00	130.00	<20.00	27.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
04U844	(4)	15-Mar-93	F38	IHE 015		<20.00	1100.00	32.00	<10.00			<38.00	140.00	<20.00	23.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
04U844		12-May-93	F39	IHT 012		<1.00	22.60	<1.00	<0.50			<1.90	1.78	<1.00	1.50	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U844		13-May-93	M39			<0.20	22.00	1.30		0.60	<0.20	<1.00	1.70	<0.20	1.90	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	0.30	0.70		<0.20	0.40
04U844		08-Jun-94	F43	IVF 004	124044	<20.00	710.00	35.00	<10.00			<38.00	110.00	<20.00	21.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
04U845		15-Mar-93	F38	IHE 010		<2.00	84.00	<2.00	2.40			<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
04U845		08-Jun-94	A43	ZVF 009	126780	<1.00	64.00	<1.00	2.93		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U845		13-Sep-94	A44	IVW 004	215473	<1.00	70.00	<1.00	2.44		<0.30	<1.90	<1.00	<1.00	<0.78	0.59	<1.30	<0.72	<1.00	<1.00	<3.20					
04U845		07-Dec-94	A45	IZE 004	288420	<1.00	54.00	<1.00	2.53		<0.30	<1.90	0.71	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U845		10-Mar-95	A46	IZN 006	NC	<1.00	39.50	<1.00	2.11		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U846		16-Mar-93	F38	IHG 009		<1.00	2.70	<1.00	<0.50			<1.90	1.75	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U846		21-Mar-94	F42	IUU 004	59021	<2.00	100.00	4.10	1.10			<3.80	17.00	<2.00	4.20	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
04U846		20-Mar-95	F46	DRW 008	5087-01	<2.41	7.60	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					

TABLE II - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
04U847		10-Mar-93	F38	IBZ 007		<25.00	1300.00	62.00	16.00			<48.00	440.00	<25.00	120.00	<13.00	<33.00	<18.00	<25.00	<25.00	<80.00					
04U847		10-Sep-93	F40	IKB 006		<100.00	1800.00	130.00	<50.00			<190.00	610.00	<100.00	130.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
04U847		17-Mar-94	F42	IUO 005	NC	<20.00	790.00	130.00	15.00			<38.00	270.00	<20.00	99.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
04U847		12-Sep-94	F44	IVU 010	NC (6)	<20.00	750.00	93.00	9.20			<38.00	180.00	<20.00	74.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
04U847		28-Mar-95	F46	DSF 005	5137-01	<2.41	140.00	160.00		5.68	<1.06	<4.10	170.00	<1.52	84.00	<4.63	<1.20	1.70	<3.94	<4.47	<1.41					
04U847		06-Sep-95	F48	EVG 015	NC	<2.41	68.00	100.00		5.33	<1.06	<4.10	28.10	<1.52	84.00	<3.94	<1.20	<1.08	<3.94	<4.47	<1.41					
04U848		10-Mar-93	F38	IBZ 011		<1.00	26.00	<1.00	0.58			<1.90	1.52	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U848		06-Jun-94	A43	IVD 010	126780	<1.00	12.20	<1.00	0.77		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U848		15-Sep-94	A44	IVX 006	218146	<1.00	16.80	<1.00	0.63		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U848		08-Dec-94	A45	IZF 007	288420	<1.00	15.60	<1.00	0.61		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U848		10-Mar-95	A46	IZN 011	NC	<1.00	9.94	<1.00	0.61		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U849		17-Mar-93	F38	IHH 005		<1.00	50.90	2.23	<0.50			<1.90	13.00	<1.00	3.65	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U849		21-Mar-94	F42	IUU 024	59021	<1.00	70.00	6.70	0.97			<1.90	25.80	<1.00	8.07	0.46	<1.30	<0.72	<1.00	<1.00	<3.20					
04U849		23-Mar-95	F46	DSB 011	5115-01	<2.41	46.60	3.04		<0.89	<1.06	<4.10	8.32	<1.52	1.64	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
04U850		18-Mar-93	F38	IHI 004		<20.00	560.00	<20.00	<10.00			<38.00	58.00	<20.00	<16.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
04U850		22-Mar-94	F42	IUU 021	62405	<25.00	910.00	35.00	<13.00			<48.00	120.00	<25.00	37.00	<13.00	<33.00	<18.00	<25.00	<25.00	<80.00					
04U850		24-Mar-95	F46	DSC 008	5121-01	<2.41	340.00	24.40		2.34	<1.06	<4.10	38.10	<1.52	15.70	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
04U851		18-Mar-93	F38	IHI 005		<1.00	2.48	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U851		10-Jun-94	A43	ZVI 009	126780	<1.00	1.39	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U851		06-Sep-94	A44	IVS 020	NC	<1.00	1.89	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U851		06-Dec-94	A45	ZZD 014	288420	<1.00	0.83	<1.00	<0.50		<0.30	<1.90	0.64	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U851		08-Mar-95	A46	IZL 010	56391	<1.00	0.75	<1.00	<0.50		<0.30	<1.90	1.16	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U852		23-Mar-93	F38	IHL 012		<1.00	0.75	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U852		22-Mar-94	F42	IUW 005	62588	<1.00	3.20	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U852		28-Mar-95	F46	DSF 010	5137-01 (6)	<2.41	1.29	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
04U854		15-Mar-93	F38	IHF 004		<5.00	70.00	<5.00	3.20			<9.50	<5.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
04U854		08-Jun-94	A43	ZVG 006	126780	<1.00	35.30	<1.00	2.02		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U854		14-Sep-94	A44	IVV 012	215473	<1.00	36.60	<1.00	1.57		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U854		07-Dec-94	A45	ZZD 018	288420	<1.00	32.00	<1.00	1.49		<0.30	<1.90	0.53	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U854		09-Mar-95	A46	IZM 005	56391	<1.00	25.00	<1.00	1.56		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U855		08-Mar-93	M38			<1.00	130.00	1.80		0.30	<0.20	<1.00	23.00	<1.20	1.30	<0.30	<1.70	<1.50	<1.00	<5.00	<5.00	<1.00	<1.00		<1.00	<1.00
04U855		16-Mar-93	F38	IHG 011		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U855		11-May-93	F39	IHT 008		<5.00	110.00	<5.00	<2.50			<9.50	14.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
04U855		13-May-93	M39			<0.20	110.00	5.40		1.40	<0.20	<1.00	13.00	<0.20	4.10	<0.20	<0.20	0.10	<0.20	<0.20	<0.50	<0.20	0.40		<0.20	0.30
04U855		21-Mar-94	F42	IUS 008	59021	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.31	<1.30	<0.72	<1.00	<1.00	<3.20					
04U855		08-Sep-94	A44	IVS 014	NA	<1.00	13.40	0.57	1.06		<0.30	<1.90	0.74	<1.00	4.05	0.67	<1.30	<0.72	<1.00	<1.00	<3.20					
04U855		23-Mar-95	F46	DSB 012	5115-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
04U859		11-Mar-93	F38	IHB 005		<1.00	40.50	2.14	2.28			<1.90	9.31	<1.00	3.17	<0.50	<1.30	<0.72	1.73	<1.00	<3.20					
04U859		18-Mar-94	F42	IUO 014	57070	<2.00	47.00	5.20	2.60			<3.80	13.00	<2.00	5.90	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
04U859	(4)	18-Mar-94	F42	IUP 013	57070	<1.00	49.50	5.44	2.31			<1.90	14.10	1.03	5.78	0.44	<1.30	<0.72	<1.00	<1.00	<3.20					
04U859		09-Jun-94	A43	ZVH 005	126780	<1.00	48.90	5.57	2.54		<0.30	<1.90	14.60	<1.00	5.64	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U859		14-Sep-94	A44	IVX 004	218146	<1.00	64.00	4.88	2.29		<0.30	<1.90	15.90	<1.00	5.17	0.42	<1.30	<0.72	<1.00	<1.00	<3.20					
04U859		07-Dec-94	A45	IZE 011	288420	<1.00	32.50	4.66	1.78		<0.30	<1.90	14.70	<1.00	4.79	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U859		10-Mar-95	A46	IZN 008	NC	<1.00	43.80	4.09	2.07		<0.30	<1.90	14.90	<1.00	5.38	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U860		10-Mar-93	F38	IBZ 012		<1.00	1.64	<1.00	<0.50			<1.90	1.75	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U860		07-Jun-94	A43	ZVF 006	126780	<1.00	0.73	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U860		15-Sep-94	A44	IVX 009	218146	<1.00	0.90	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.41	<1.30	<0.72	<1.00	<1.00	<3.20					
04U860		08-Dec-94	A45	IZF 005	288420	<1.00	0.64	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U860		10-Mar-95	A46	IZM 011	56391	<1.00	0.59	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U861		12-Mar-93	F38	IHE 008		<1.00	7.22	<1.00	<0.50			<1.90	1.26	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U861		08-Jun-94	A43	ZVF 007	126780	<1.00	9.69	0.70	0.33		<0.30	<1.90	2.01	<1.00	0.84	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U861	(4)	08-Jun-94	A43	ZVF 008	126780	<1.00	10.40	0.78	0.38		<0.30	<1.90	2.18	<1.00	0.89	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U861		14-Sep-94	A44	IVV 015	215473	<1.00	8.26	<1.00	<0.50		<0.30	<1.90	0.99	<1.00	0.44	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U861		06-Dec-94	A45	ZZD 016	288420	<1.00	12.00	0.60	0.43		<0.30	<1.90	1.63	<1.00	0.77	<0.30	<1.30	<0.72	<1.00	<1.00	<3.20					

TABLE II - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
04U861		09-Mar-95	A46	IZM 004	56391	<1.00	6.42	<1.00	0.49		<0.30	<1.90	1.80	<1.00	0.71	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U863		09-Jun-94	A43	ZVH 007	126780	<1.00	5.10	<1.00	0.30		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U863		14-Sep-94	A44	IVV 018	215473	<1.00	2.64	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.45	<1.30	<0.72	<1.00	<1.00	<3.20					
04U863		07-Dec-94	A45	IZE 007	288420	<1.00	8.05	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U863		09-Mar-95	A46	IZL 015	56391	<1.00	7.05	<1.00	0.32		<0.30	<1.90	1.41	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U863		12-Jun-95	A47	IZY 016	NC	<1.00	5.04	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U864		26-Feb-93	A38	ZBP 005		<1.00	2.56	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U864		07-Jun-94	A43	IVD 004	126780	<1.00	0.97	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.39	<1.30	<0.72	<1.00	<1.00	<3.20					
04U864		07-Jun-94	M43			<0.20	1.70	<0.50		<0.20	<0.10	<0.50	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
04U864		07-Jun-94	M43			<0.20	1.70	<0.50		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
04U864		13-Sep-94	A44	IVV 004	215473	<1.00	1.79	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.77	<1.30	<0.72	<1.00	<1.00	<3.20					
04U864	(4)	13-Sep-94	A44	IVV 005	215473	<1.00	1.82	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.83	<1.30	<0.72	<1.00	<1.00	<3.20					
04U864		06-Dec-94	A45	ZZD 010	288420	<1.00	1.20	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U864		08-Mar-95	A46	IZL 008	56391	<1.00	1.13	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U864		09-Jun-95	A47	IZY 014	NC	<1.00	0.99	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U865		13-Apr-93	A39	ZHP 004		<1.00	11.40	<1.00	0.60		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U865	(4)	13-Apr-93	A39	ZHP 006		<1.00	10.20	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U865		10-Jun-94	A43	ZVH 009	126780	<1.00	4.87	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U865		15-Sep-94	A44	IVX 010	218146	<1.00	11.90	<1.00	0.36		<0.30	<1.90	<1.00	<1.00	<0.78	0.42	<1.30	<0.72	<1.00	<1.00	<3.20					
04U865	(4)	15-Sep-94	A44	IVX 011	218146	<1.00	12.10	<1.00	0.38		<0.30	<1.90	<1.00	<1.00	<0.78	0.42	<1.30	<0.72	<1.00	<1.00	<3.20					
04U865		08-Dec-94	A45	IZE 016	288420	<1.00	9.83	<1.00	0.30		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U865		09-Mar-95	A46	IZL 011	56391	<1.00	8.91	<1.00	0.44		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U865		12-Jun-95	A47	IZY 017	NC	<1.00	7.82	<1.00	0.36		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U866		13-Apr-93	A39	ZHP 008		<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U866		09-Jun-94	A43	ZVG 008	126780	<1.00	8.76	<1.00	0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U866		15-Sep-94	A44	IVX 012	218146	<1.00	14.30	<1.00	0.35		<0.30	<1.90	<1.00	<1.00	0.54	0.27	<1.30	<0.72	<1.00	<1.00	<3.20					
04U866		08-Dec-94	A45	IZE 017	288420	<1.00	7.74	<1.00	<0.50		<0.30	<1.90	0.54	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U866		09-Mar-95	A46	IZL 012	56391	<1.00	15.30	0.70	0.53		<0.30	<1.90	0.82	<1.00	1.15	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U866	(4)	09-Mar-95	A46	IZL 013	56391	<1.00	15.60	0.60	0.52		<0.30	<1.90	1.06	<1.00	1.12	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U866		07-Jun-95	A47	IZY 011	NC	<1.00	14.90	0.64	0.50		<0.30	<1.90	<1.00	<1.00	0.82	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U871		18-Mar-93	F38	IHI 009		<5.00	100.00	<5.00	<2.50			<9.50	11.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
04U871	(4)	18-Mar-93	F38	IHI 010		<5.00	91.00	<5.00	<2.50			<9.50	9.30	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
04U871		22-Mar-94	F42	IUW 017	62588	<1.00	13.70	0.60	0.34			<1.90	<1.00	<1.00	1.35	0.34	<1.30	<0.72	<1.00	<1.00	<3.20					
04U871		20-Mar-95	F46	DRW 010	5087-01 (6)	<2.41	8.71	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
04U871	(4)	20-Mar-95	F46	DRW 011	5087-01 (6)	<2.41	8.83	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
04U872		18-Mar-93	F38	IHI 006		<1.00	14.20	<1.00	<0.50			<1.90	1.07	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U872		23-Mar-94	F42	IUW 014	62588	<1.00	34.50	1.36	0.59			<1.90	0.53	<1.00	1.66	0.36	<1.30	<0.72	<1.00	<1.00	<3.20					
04U872		24-Mar-95	F46	DSC 012	5121-01 (6)	<2.41	20.90	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
04U875		19-Mar-93	F38	IHJ 005		<1.00	22.30	<1.00	<0.50			<1.90	4.25	<1.00	0.94	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U875		24-Mar-94	F42	IUV 007	63410	<1.00	12.60	0.64	<0.50			<1.90	0.90	<1.00	1.44	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U875		24-Mar-95	F46	DSC 011	5121-01	<2.41	16.40	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
04U877		17-Mar-93	F38	IHH 009		<1.00	30.80	<1.00	0.84			<1.90	2.45	<1.00	0.99	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U877		22-Mar-94	F42	IUV 005	62588	<1.00	16.70	1.11	0.88			<1.90	0.68	<1.00	1.04	0.32	<1.30	<0.72	<1.00	<1.00	<3.20					
04U877		24-Mar-95	F46	DSC 009	5121-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
04U879		18-Mar-93	F38	IHI 008		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U879		18-Mar-93	M38			<0.20	<0.10	<0.50		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
04U879		22-Mar-94	F42	IUU 020	62588	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U879	(4)	22-Mar-94	F42	IUW 015	62588 (6)	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U879		23-Mar-95	F46	DSB 013	5115-01 (6)	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
04U879	(4)	23-Mar-95	F46	DSB 014	5115-01 (6)	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
04U880		23-Mar-93	F38	IHL 005		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U880		24-Mar-94	F42	IUV 006	63410	<1.00	(7) 0.59	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U880	(4)	24-Mar-94	F42	IUV 012	63410	<1.00	(7) 0.89	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U880		25-Mar-95	F46	DSC 015	5123-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					

TABLE II - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
04U881		23-Mar-93	F38	IHL 006		<1.00	0.89	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U881		23-Mar-94	F42	IUW 013	62588	<1.00	3.19	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.29	<1.30	<0.72	<1.00	<1.00	<3.20					
04U881		25-Mar-95	F46	DSC 016	5123-01 (6)	<2.41	2.40	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
04U882		19-Mar-93	F38	IHJ 006		<2.00	45.00	<2.00	<1.00			<3.80	5.80	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
04U882		10-Sep-93	F40	IKB 008		<1.00	32.10	<1.00	<0.50			<1.90	4.33	<1.00	0.94	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U882		23-Mar-94	F42	IUW 009	62588	<1.00	25.90	1.22	<0.50			<1.90	2.58	<1.00	1.19	0.25	<1.30	<0.72	<1.00	<1.00	<3.20					
04U882		24-Mar-94	M42			<0.20	23.00	1.90		0.50	<0.10	<0.50	3.80	<0.20	1.60	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	0.80	1.60		1.70	2.20
04U882		24-Mar-94	M42			<0.20	23.00	1.90		0.50	<0.20	<1.00	3.80	<0.20	1.60	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	0.80	1.60		1.70	2.20
04U882		12-Sep-94	F44	IVU 011	NC	<1.00	67.00	4.95	1.39			<1.90	14.40	<1.00	11.40	0.72	<1.30	<0.72	<1.00	<1.00	<3.20					
04U882		27-Mar-95	F46	DSE 009	5130-01	<2.41	20.70	1.82		<0.89	<1.06	<4.10	3.69	<1.52	3.18	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
04U882		11-Sep-95	F48	EWD 012	NC	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<3.94	<1.20	<1.08	<3.94	<4.47	<1.41					
04U883		23-Mar-93	F38	IHL 009		<1.00	2.24	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U883		23-Mar-94	F42	IUW 011	62588	<1.00	2.49	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
04U883		24-Mar-94	M42			<0.20	3.30	<0.50		<0.20	<0.10	<0.50	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	0.20	1.00		0.50	1.10
04U883		24-Mar-94	M42			<0.20	3.30	<0.50		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	0.20	1.00		0.50	1.10
04U883		27-Mar-95	F46	DSE 013	5131-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
MW15H		09-Jun-94	A43	ZVH 004	126780	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
MW15H		16-Sep-94	A44	IVX 016	218146	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
MW15H		08-Dec-94	A45	IZE 013	288420	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
MW15H		10-Mar-95	A46	IZN 007	NC	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
MW15H		09-Jun-95	A47	IZY 013	NC	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#003		17-Mar-93	A38	IHN 007		<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#003		02-Mar-94	A42	IKT 009	NC	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#003		14-Mar-95	A46	IZP 017	59420	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#309		03-Mar-93	A38	ZBT 015		<2.00	130.00	4.30	2.10		<0.60	<3.80	18.00	<2.00	7.40	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
PJ#309		15-Sep-93	A40	IKE 007		<2.00	110.00	3.00	1.40		<0.60	<3.80	17.00	<2.00	6.30	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
PJ#309		03-Mar-94	A42	IKS 018	44113	<1.00	92.00	2.50	0.84		<0.30	<1.90	11.20	<1.00	4.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#309		07-Sep-94	A44	IVR 013	NA	<1.00	73.00	2.63	0.97		<0.30	<1.90	8.16	<1.00	3.69	0.86	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#309		14-Mar-95	A46	IZQ 007	59420	<1.00	49.00	2.09	0.70		<0.30	<1.90	7.17	<1.00	2.93	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#309		11-Sep-95	A48	HWF 006	267619	<1.00	56.00	1.90	0.66		<0.30	<1.90	6.44	<1.00	2.47	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#310		03-Mar-93	A38	ZBT 017		<10.00	580.00	26.00	9.20		<3.00	<19.00	150.00	<10.00	31.00	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
PJ#310		15-Sep-93	A40	IKF 013		<10.00	480.00	21.00	6.00		<3.00	<19.00	130.00	<10.00	22.00	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
PJ#310		03-Mar-94	A42	IKU 005	44113	<20.00	450.00	<20.00	<10.00		<6.00	<38.00	*180.00*	<20.00	<16.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
PJ#310		07-Sep-94	A44	IVR 015	NA	<10.00	380.00	15.00	4.20		<3.00	<19.00	71.00	<10.00	15.00	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
PJ#310		14-Mar-95	A46	IZQ 009	59420	<10.00	330.00	18.00	3.60		<3.00	<19.00	77.00	<10.00	15.00	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
PJ#310		11-Sep-95	A48	HWD 007	267619	<20.00	340.00	16.00	<10.00		<180.00	<38.00	78.00	<20.00	<16.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00					
PJ#311		03-Mar-93	A38	ZBT 009		<1.00	19.60	<1.00	<0.50		<0.30	<1.90	4.24	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#311		15-Sep-93	A40	IKE 009		<1.00	21.70	<1.00	<0.50		<0.30	<1.90	4.47	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#311		03-Mar-94	A42	IKU 006	44113	<1.00	19.20	<1.00	<0.50		<0.30	<1.90	4.02	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#311		07-Sep-94	A44	IVS 005	NA	<1.00	22.60	0.64	<0.50		<0.30	<1.90	3.05	<1.00	<0.78	0.78	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#311		14-Mar-95	A46	IZQ 014	59420	<1.00	13.70	<1.00	<0.50		<0.30	<1.90	2.29	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#311		11-Sep-95	A48	HWC 017	267619	<1.00	14.70	<1.00	<0.50		<0.30	<1.90	2.99	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#313		03-Mar-93	A38	ZBT 011		<1.00	4.95	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#313		15-Sep-93	A40	IKE 011		<1.00	4.17	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#313		03-Mar-94	A42	IKU 007	44113	<1.00	4.47	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#313		07-Sep-94	A44	IVS 007	NA	<1.00	3.84	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.91	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#313		14-Mar-95	A46	IZQ 016	59420	<1.00	2.51	<1.00	<0.50		<0.30	<1.90	0.53	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#313		11-Sep-95	A48	HWC 014	267619	<1.00	2.61	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#313	(4)	11-Sep-95	A48	HWC 015	267619	<1.00	2.61	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#318		23-Mar-93	F38	IHL 011		<1.00	2.75	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#318		24-Mar-94	F42	IUV 008	63410 (6)	<1.00	11.20	<1.00	0.32			<1.90	0.78	<1.00	0.64	0.30	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#318	(4)	24-Mar-94	F42	IUV 011	63410 (6)	<1.00	11.30	<1.00	0.42			<1.90	0.78	<1.00	0.69	0.38	<1.30	<0.72	<1.00	<1.00	<3.20					
PJ#318		27-Mar-95	F46	DSE 014	5131-01 (6)	<2.41	4.48	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
PJ#318	(4)	27-Mar-95	F46	DSE 015	5131-01 (6)	<2.41	4.60	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
PJ#806		03-Mar-93	A38	ZBT 014		<25.00	1300.00	92.00	30.00		<7.50	<48.00	240.00	<25.00	150.00	<13.00	<33.00	<18.00	<25.00	<25.00	<80.00					

TABLE II - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
PJ#806	(4)	03-Mar-93	A38	ZBT 018		<25.00	1600.00	97.00	33.00		<7.50	<48.00	2500.00	<25.00	160.00	<13.00	<33.00	<18.00	<25.00	<25.00	<80.00					
PJ#806		02-Mar-94	A42	IKQ 006	NC	<100.00	2100.00	130.00	<50.00		<30.00	<190.00	450.00	<100.00	160.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
PJ#806		13-Mar-95	A46	IZO 016	59420	<25.00	910.00	68.00	19.00		<7.50	<48.00	240.00	<25.00	90.00	8.20	<33.00	<18.00	<25.00	<25.00	<80.00					
110485		09-Jun-94	F43	IVF 007	124850	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
110485		21-Mar-95	F46	DRX 012	5093-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
112344		20-Mar-94	F42	IUQ 011	58963	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.58	<1.30	<0.72	<1.00	<1.00	<3.20					
112344	(4)	20-Mar-94	F42	IUQ 012	58963	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
151568		21-Mar-94	F42	IUQ 019	58963	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.62	<1.30	<0.72	<1.00	<1.00	<3.20					
156076		18-Mar-94	F42	IUK 012	NC	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.32	<1.30	<0.72	<1.00	<1.00	<3.20					
161432		22-Mar-94	F42	IUU 018	62588	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.29	<1.30	<0.72	<1.00	<1.00	<3.20					
200076		08-Mar-93	F38	IBW 017		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
200076		22-Mar-94	F42	IUR 012	60178	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.72	<1.30	<0.72	<1.00	<1.00	<3.20					
200076		25-Mar-94	F42	IUV 015	64629	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.40	<1.30	<0.72	<1.00	<1.00	<3.20					
200076		21-Mar-95	F46	DRX 014	5093-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
200149		21-Mar-94	F42	IUQ 021	59226	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	0.60	<1.00	<0.78	0.59	<1.30	<0.72	<1.00	<1.00	<3.20					
200173		22-Mar-94	F42	IUR 011	60178	<1.00	3.13	<1.00	12.60		3.82	1.51	<1.00	<1.00	3.29	0.58	<1.30	<0.72	<1.00	<1.00	<3.20					
200524		10-Apr-95	S47				17.00	B 0.10		0.20	<0.20		1.00		0.60											
200525		25-Mar-94	F42	IUU 011	NC	<1.00	0.39	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.29	<1.30	<0.72	<1.00	<1.00	<3.20					
200803		22-Apr-93	M39			<0.20	20.00	1.50		0.40	<0.20	<1.00	1.30	<0.20	0.90	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
200803		10-Apr-95	S47				24.00	B 2.10		0.20	<0.20		1.00		0.80											
200804		22-Apr-93	M39			<0.20	20.00	1.40		0.50	<0.20	<1.00	1.70	<0.20	0.80	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
200812		02-Jun-93	F39	IHV 010		<2.00	140.00	3.90	<1.00			<3.80	17.00	<2.00	4.20	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
200812		20-Jul-93	M40			<0.20	92.00	8.20		0.80	<0.20	<1.00	15.00	<0.20	3.80	0.20	<0.20	0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
200812		10-Sep-93	F40	IKA 013		<5.00	80.00	<5.00	<2.50			<9.50	13.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
200812		10-Jun-94	F43	IVH 004	125865	<2.00	84.00	3.70	0.63			<3.80	11.00	<2.00	3.00	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
200812		09-Sep-94	F44	IVT 013	NC	<1.00	73.00	2.50	0.42			<1.90	6.70	<1.00	2.04	0.93	<1.30	<0.72	<1.00	<1.00	<3.20					
200812		11-Sep-95	F48	EWD 008	NC	<2.41	56.30	2.14		<0.89	<1.06	<4.10	7.43	<1.52	<0.97	<3.94	<1.20	<1.08	<3.94	<4.47	<1.41					
206688		30-Mar-94	F42	IUX 006	67253	<1.00	13.40	0.96	<0.50		<0.30	<1.90	2.97	<1.00	1.02	0.43	<1.30	<0.72	<1.00	<1.00	<3.20					
206754		17-Mar-94	F42	IUL 007	57428	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.35	<1.30	<0.72	<1.00	<1.00	<3.20					
206756		17-Mar-94	F42	IUL 008	57428	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.42	<1.30	<0.72	<1.00	<1.00	<3.20					
206763		23-Mar-94	F42	IUT 010	60755	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.30	<1.30	<0.72	<1.00	<1.00	<3.20					
206763	(4)	23-Mar-94	F42	IUT 011	60755	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.31	<1.30	<0.72	<1.00	<1.00	<3.20					
206766		20-Mar-94	F42	IUQ 007	58963	<1.00	0.47	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.52	<1.30	<0.72	<1.00	<1.00	<3.20					
206787		02-Jun-93	F39	IHV 008		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
206787		10-Sep-93	F40	IKB 004		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
206787		09-Jun-94	F43	IVF 008	124850	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
206791		21-Mar-95	F46	DRX 013	5093-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
206792		22-Mar-94	F42	IUU 022	62588	0.87	540.00	18.70	2.51			<1.90	70.60	0.70	16.50	1.30	<1.30	0.61	<1.00	<1.00	<3.20					
206792		21-Mar-95	F46	DRX 007	5093-01	<2.41	310.00	21.60		1.89	<1.06	<4.10	41.00	<1.52	11.50	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
206793		08-Mar-93	F38	IBW 018		<5.00	560.00	13.00	2.90			<9.50	77.00	<5.00	13.00	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
206793		22-Mar-94	F42	IUU 023	62588	<10.00	640.00	21.00	4.50			<19.00	99.00	<10.00	22.00	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00					
206793		21-Mar-95	F46	DRX 008	5093-01	<2.41	220.00	16.70		1.41	<1.06	<4.10	34.30	<1.52	8.88	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
206794		22-Mar-94	F42	IUU 013	62588	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					

TABLE II - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
206795		22-Mar-94	F42	IUU 016	62588	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.29	<1.30	<0.72	<1.00	<1.00	<3.20					
206795		21-Mar-95	F46	DRX 006	5093-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
206796		22-Mar-94	F42	IUU 014	62588	<5.00	260.00	9.20	2.40			<9.50	29.00	<5.00	10.00	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
206796		21-Mar-95	F46	DRX 009	5093-01	<2.41	130.00	8.04		<0.89	<1.06	<4.10	17.90	<1.52	4.59	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
206797		08-Mar-93	F38	IBW 019		<2.00	270.00	8.00	1.40			<3.80	47.00	<2.00	6.30	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
206797		22-Mar-94	F42	IUU 015	62588	<5.00	190.00	8.10	<2.50			<9.50	29.00	<5.00	7.90	1.60	<6.50	<3.60	<5.00	<5.00	<16.00					
206797		21-Mar-95	F46	DRX 011	5093-01	<2.41	110.00	7.69		<0.89	<1.06	<4.10	18.40	<1.52	3.21	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
234301		22-Mar-94	F42	IUT 004	60755	<1.00	2.34	<1.00	0.51		<0.30	<1.90	<1.00	<1.00	0.68	0.33	<1.30	<0.72	<1.00	0.81	<3.20					
234301	(4)	22-Mar-94	F42	IUT 005	60755	<1.00	2.12	<1.00	0.44		0.31	<1.90	<1.00	<1.00	0.71	0.29	<1.30	<0.72	<1.00	<1.00	<3.20					
234304		04-Feb-94	M42			<0.20	<0.10	<0.50		<0.20	<0.10	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
234306		20-Mar-94	F42	IUQ 008	58963	<1.00	0.47	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.70	<1.30	<0.72	<1.00	<1.00	<3.20					
234307		04-Feb-94	M42			<0.20	<0.10	<0.50		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
234307		22-Mar-94	F42	IUT 008	60755	<1.00	<0.50	<1.00	<0.50		0.16	<1.90	<1.00	<1.00	<0.78	0.29	<1.30	<0.72	<1.00	<1.00	<3.20					
234308		24-Mar-94	F42	IUS 004	63282	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.52	<1.30	<0.72	<1.00	<1.00	<3.20					
234310		20-Mar-94	F42	IUQ 010	58963	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.58	<1.30	<0.72	<1.00	<1.00	<3.20					
234311		20-Mar-94	F42	IUQ 005	58963	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.70	<1.30	<0.72	<1.00	<1.00	<3.20					
234312		20-Mar-94	F42	IUQ 009	58963	<1.00	0.68	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.47	<1.30	<0.72	<1.00	<1.00	<3.20					
234313		22-Mar-94	F42	IUT 007	60755	<1.00	<0.50	<1.00	<0.50		0.24	<1.90	<1.00	<1.00	<0.78	0.35	<1.30	<0.72	<1.00	<1.00	<3.20					
234318		21-Mar-94	F42	IUQ 018	58963	<1.00	0.51	<1.00	<0.50		0.16	<1.90	0.61	<1.00	<0.78	0.39	<1.30	<0.72	<1.00	<1.00	<3.20					
234331		20-Mar-94	F42	IUQ 006	58963	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.59	<1.30	<0.72	<1.00	<1.00	<3.20					
234334		17-Mar-94	F42	IUK 015	57428	<1.00	6.31	<1.00	<0.50		<0.30	<1.90	1.34	<1.00	0.49	0.53	<1.30	<0.72	<1.00	<1.00	<3.20					
234345		22-Mar-94	F42	IUR 006	60127	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.48	<1.30	<0.72	<1.00	<1.00	<3.20					
234350		18-Mar-94	F42	IUL 011	57428	<1.00	110.00	1.03	4.93		<0.30	<1.90	<1.00	<1.00	1.34	0.46	<1.30	<0.72	<1.00	<1.00	<3.20					
234350	(4)	18-Mar-94	F42	IUL 012	57428	<1.00	110.00	1.15	5.19		<0.30	<1.90	1.78	<1.00	1.43	0.57	<1.30	<0.72	<1.00	<1.00	<3.20					
234352		07-Jun-94	F43	IVF 005	124044	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	3.13	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
234352		07-Jun-94	F43	IVE 004	124044	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	3.16	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
234356		21-Mar-94	F42	IUQ 013	58963	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	0.58	<1.00	<0.78	0.55	<1.30	<0.72	<1.00	<1.00	<3.20					
234357		18-Mar-94	F42	IUL 009	57428	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	0.74	0.43	<1.30	<0.72	<1.00	<1.00	<3.20					
234368		17-Mar-94	F42	IUK 005	56294	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
234368		17-Mar-94	F42	IUJ 010	56294	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.45	<1.30	<0.72	<1.00	<1.00	<3.20					
234372		21-Mar-94	F42	IUP 015	58742	<1.00	1.58	<1.00	8.74		1.02	<1.90	<1.00	<1.00	<0.78	0.53	<1.30	<0.72	<1.00	<1.00	<3.20					
234374		20-Mar-94	F42	IUQ 004	58963	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.58	<1.30	<0.72	<1.00	<1.00	<3.20					
234377		17-Mar-94	F42	IUI 011	56197	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
234377		18-Mar-94	F42	IUK 009	NC	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.38	<1.30	<0.72	<1.00	<1.00	<3.20					
234394		22-Mar-94	F42	IUR 008	60127	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.67	<1.30	<0.72	<1.00	<1.00	<3.20					
234421		18-Mar-94	F42	IUL 010	57428	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.56	<1.30	<0.72	<1.00	<1.00	3.29					
234426		17-Mar-94	F42	IUI 013	56197	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.32	<1.30	<0.72	<1.00	<1.00	<3.20					

TABLE II - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
234429		21-Mar-94	F42	IUQ 016	58936	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.49	<1.30	<0.72	<1.00	<1.00	<3.20					
234449		17-Mar-94	F42	IUJ 004	56197	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.36	<1.30	<0.72	<1.00	<1.00	<3.20					
234450		17-Mar-94	F42	IUI 014	56197	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.38	<1.30	<0.72	<1.00	<1.00	<3.20					
234507		17-Mar-94	F42	IUK 006	56294	<1.00	0.70	<1.00	0.69		<0.30	<1.90	<1.00	<1.00	0.83	1.88	<1.30	<0.72	<1.00	<1.00	<3.20					
234546		09-Mar-93	F38	IBY 011		<1.00	35.70	0.96	<0.50			<1.90	3.49	<1.00	1.02	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
234546		02-Jun-93	F39	IHV 006		<2.00	99.00	2.80	<1.00			<3.80	12.00	<2.00	3.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
234546		25-Mar-94	F42	IUV 013	64629	<1.00	40.90	1.44	0.46			<1.90	3.78	<1.00	1.62	0.44	<1.30	<0.72	<1.00	<1.00	<3.20					
234546		21-Mar-95	F46	DRX 016	5093-01 (6)	<2.41	(7) 32.70	1.42		<0.89	<1.06	<4.10	3.06	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
234546	(4)	21-Mar-95	F46	DRX 017	5093-01 (6)	<2.41	(7) 8.02	1.42		<0.89	<1.06	<4.10	3.06	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
234547		09-Mar-93	F38	IBY 010		<1.00	15.80	<1.00	<0.50			<1.90	2.05	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
234547		02-Jun-93	F39	IHV 005		<1.00	27.80	<1.00	<0.50			<1.90	2.90	<1.00	1.31	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
234547		25-Mar-94	F42	IUV 014	64629	<1.00	24.50	1.14	<0.50			<1.90	1.57	<1.00	1.63	0.36	<1.30	<0.72	<1.00	1.97	<3.20					
234547		21-Mar-95	F46	DRX 015	5093-01	<2.41	7.29	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
234549		17-Mar-94	F42	IUL 005	57428	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.39	<1.30	<0.72	<1.00	<1.00	<3.20					
234571		24-Mar-94	F42	IUT 017	62685	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.45	<1.30	<0.72	<1.00	<1.00	2.94					
234571	(4)	24-Mar-94	F42	IUT 018	62685	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.44	<1.30	<0.72	<1.00	<1.00	3.46					
242207		17-Mar-94	F42	IUJ 009	56294	10.90	2.63	<1.00	1.10		<0.30	<1.90	0.75	<1.00	<0.78	0.55	<1.30	<0.72	<1.00	<1.00	<3.20					
242219		23-Mar-94	F42	IUR 018	61212	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	99.00	<1.30	<0.72	<1.00	<1.00	<3.20					
249003		18-Mar-94	F42	IUK 013	NC	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.34	<1.30	<0.72	<1.00	<1.00	<3.20					
249004		20-Oct-92	M37			<0.20	<0.10	<0.50		1.40	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
249004		08-Sep-93	M40			<1.00	<0.50	<1.00	1.35			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
249004		08-Sep-93	F40	IKA 007		<1.00	<0.50	<1.00	1.47			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
249004		22-Mar-94	F42	IUR 007	60127	<1.00	<0.50	<1.00	1.45		<0.30	<1.90	<1.00	<1.00	<0.78	0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
249134		24-Mar-94	F42	IUT 014	62685	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	1.07	<1.30	<0.72	<1.00	<1.00	<3.20					
249137		24-Mar-94	F42	IUT 015	62685	<1.00	<0.50	<1.00	<0.50		(7) 0.19	<1.90	<1.00	<1.00	<0.78	0.36	<1.30	<0.72	<1.00	<1.00	<3.20					
249137	(4)	24-Mar-94	F42	IUT 016	62685	<1.00	<0.50	<1.00	<0.50		(7) 0.38	<1.90	<1.00	<1.00	<0.78	0.33	<1.30	<0.72	<1.00	<1.00	<3.20					
249139		30-Mar-94	F42	IUX 007	67253	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.31	<1.30	<0.72	<1.00	<1.00	<3.20					
249143		21-Mar-94	F42	IUP 016	58742	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.26	<1.30	<0.72	<1.00	0.95	<3.20					
249144		25-Mar-94	F42	IUU 010	NC	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.31	<1.30	<0.72	<1.00	<1.00	<3.20					
249145		23-Mar-94	F42	IUR 016	61190	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.70	<1.30	<0.72	<1.00	<1.00	<3.20					
249147		18-Mar-94	F42	IUK 011	NC	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
249148		25-Mar-94	F42	IUU 009	NC	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.27	<1.30	<0.72	<1.00	<1.00	<3.20					
249149		18-Mar-94	F42	IUK 014	NC	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.28	<1.30	<0.72	<1.00	<1.00	<3.20					
249152		21-Mar-94	F42	IUP 017	58742	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.34	<1.30	<0.72	<1.00	<1.00	<3.20					
249153		21-Mar-94	F42	IUQ 014	58963	<1.00	0.51	<1.00	<0.50		<0.30	<1.90	1.72	<1.00	0.43	0.63	<1.30	<0.72	<1.00	<1.00	<3.20					
249159		21-Mar-94	F42	IUP 014	58742	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.40	<1.30	<0.72	<1.00	<1.00	<3.20					
249160		23-Mar-94	F42	IUR 015	61190	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.56	<1.30	<0.72	<1.00	<1.00	<3.20					
249186		17-Mar-94	F42	IUJ 011	56294	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
249196		21-Mar-94	F42	IUS 012	59013	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.29	<1.30	<0.72	<1.00	<1.00	<3.20					

TABLE II - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
249199		17-Mar-94	F42	IUK 004	56294	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	0.49	1.24	<1.30	<0.72	<1.00	<1.00	<3.20					
249200		17-Mar-94	F42	IUJ 008	56294	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	0.54	<1.00	<0.78	0.36	<1.30	<0.72	<1.00	<1.00	<3.20					
249601		21-Mar-94	F42	IUQ 022	59226	<1.00	0.70	<1.00	0.39		<0.30	<1.90	<1.00	<1.00	<0.78	1.38	<1.30	<0.72	<1.00	<1.00	<3.20					
249601	(4)	21-Mar-94	F42	IUR 004	59226	11.90	0.85	<1.00	0.50		<0.30	<1.90	<1.00	<1.00	0.80	1.67	<1.30	<0.72	<1.00	<1.00	<3.20					
249603		17-Mar-94	F42	IUJ 006	56294	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	(7) 0.41	<1.30	<0.72	<1.00	<1.00	<3.20					
249603	(4)	17-Mar-94	F42	IUJ 007	56294	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	(7) 0.32	<1.30	<0.72	<1.00	<1.00	<3.20					
249608		18-Mar-94	F42	IUK 008	57258	<1.00	1.30	<1.00	0.85		0.69	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
249630		22-Mar-94	F42	IUT 009	60755	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.28	<1.30	<0.72	<1.00	<1.00	<3.20					
249631		23-Mar-94	F42	IUT 012	60755	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.35	<1.30	<0.72	<1.00	<1.00	<3.20					
249632		17-Mar-94	F42	IUL 006	57428	<1.00	0.82	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.28	<1.30	<0.72	<1.00	<1.00	<3.20					
249635		18-Mar-94	F42	IUK 010	NC	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.54	<1.30	<0.72	<1.00	<1.00	<3.20					
249636		17-Mar-94	F42	IUI 012	56197	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.27	<1.30	<0.72	<1.00	<1.00	<3.20					
249638		22-Mar-94	F42	IUR 010	60127	<1.00	1.32	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.43	<1.30	<0.72	<1.00	<1.00	<3.20					
249639		24-Mar-94	F42	IUS 005	63282	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	(7) 0.75	<1.30	<0.72	<1.00	<1.00	<3.20					
249639	(4)	24-Mar-94	F42	IUS 006	63282	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	0.53	<0.78	(7) 0.58	<1.30	1.65	<1.00	<1.00	<3.20					
249643		30-Mar-94	F42	IUX 008	67253	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.32	<1.30	<0.72	<1.00	<1.00	<3.20					
249825		21-Mar-94	F42	IUQ 015	58963	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.49	<1.30	<0.72	<1.00	<1.00	<3.20					
405651		09-Mar-93	F38	IBY 009		<1.00	3.49	0.79	15.40			<1.90	<1.00	<1.00	2.76	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
405651		02-Jun-93	F39	IHV 007		<1.00	3.05	<1.00	12.90			<1.90	<1.00	<1.00	3.10	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
409546		16-Mar-93	F38	IHG 010		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	1.64	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
409546		21-Mar-94	F42	IUU 007	59021	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	2.41	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
409546		17-Mar-95	F46	DRV 010		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	3.14	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
409547		12-Mar-93	F38	IHE 004		<1.00	4.46	<1.00	<0.50			<1.90	1.68	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
409547		21-Mar-94	F42	IUS 017	59021	<1.00	7.11	1.20	0.51			<1.90	3.71	<1.00	1.60	0.43	<1.30	<0.72	<1.00	<1.00	<3.20					
409547		10-Jun-94	A43	ZVH 011	126780	<1.00	5.16	0.90	0.29		<0.30	<1.90	3.79	<1.00	1.20	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
409547		14-Sep-94	A44	IVV 016	215473	<1.00	6.96	0.81	<0.50		<0.30	<1.90	5.24	<1.00	1.19	0.25	<1.30	<0.72	<1.00	<1.00	<3.20					
409547		07-Dec-94	A45	IZE 012	288420	<1.00	9.58	1.00	0.35		<0.30	<1.90	6.71	<1.00	1.43	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
409547		10-Mar-95	A46	IZM 006	56391	<1.00	7.80	1.63	0.36		<0.30	<1.90	5.71	<1.00	1.66	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
409548		18-Mar-93	F38	IHI 007		<1.00	1.05	<1.00	<0.50			<1.90	<1.00	<1.00	2.43	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
409548		18-Mar-93	M38			<0.20	2.00	1.50		0.20	<0.20	<1.00	0.60	<0.20	2.40	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
409548		21-Mar-94	F42	IUU 006	59021	<1.00	2.66	0.83	<0.50			<1.90	(7) 0.77	<1.00	1.90	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
409548	(4)	21-Mar-94	F42	IUS 015	59021	<1.00	2.96	0.87	<0.50			<1.90	(7) 0.53	<1.00	2.22	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
409548		09-Jun-94	A43	ZVG 009	126780	<1.00	2.80	0.85	<0.50		<0.30	<1.90	0.53	<1.00	2.35	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
409548		16-Sep-94	A44	IVX 019	218146	<1.00	2.73	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	1.93	0.53	<1.30	<0.72	<1.00	<1.00	<3.20					
409548		09-Dec-94	A45	IZF 012	288420	<1.00	22.70	<1.00	<0.50		<0.30	<1.90	0.63	<1.00	1.52	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
409548		10-Mar-95	A46	IZM 015	NC	<1.00	2.03	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	1.71	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
409549		17-Mar-93	F38	IHH 006		<1.00	120.00	2.85	0.77			<1.90	21.70	<1.00	3.92	0.51	<1.30	<0.72	<1.00	<1.00	<3.20					
409549		21-Mar-94	F42	IUS 011	59021	<1.00	91.00	6.36	1.09			<1.90	22.50	<1.00	6.60	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
409549		28-Mar-95	F46	DSF 009	5137-01	<2.41	46.00	3.07		<0.89	<1.06	<4.10	7.76	<1.52	3.39	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
409550		10-Mar-93	F38	IBZ 008		<50.00	2300.00	<50.00	<25.00			<95.00	570.00	<50.00	<39.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
409550		10-Sep-93	F40	IKB 007		<100.00	2800.00	<100.00	<50.00			<190.00	690.00	<100.00	<78.00	<50.00	<130.00	<72.00	<100.00	<100.00	<320.00					
409550	(4)	10-Sep-93	F40	IKD 004		26.30	2800.00	68.80	8.15			<1.90	750.00	2.03	33.10	3.05	2.70	1.17	<1.00	6.40	<3.20					
409550		17-Mar-94	F42	IUP 005	NC (6)	31.00	1800.00	81.00	<25.00			<95.00	430.00	<50.00	46.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
409550		12-Sep-94	F44	IVU 012	NC	<50.00	1800.00	54.00	<25.00			<95.00	280.00	<50.00	46.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
409550		05-Apr-95	A47	IZW 006	NC	<50.00	1700.00	140.00	<25.00		<15.00	<95.00	510.00	<50.00	30.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					

TABLE II - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
409550		13-Sep-95	A48	HWE 016	269743	<50.00	2000.00	65.00	<25.00		<15.00	<95.00	480.00	<50.00	<39.00	<25.00	<65.00	<36.00	<50.00	<50.00	<160.00					
409555		19-Mar-93	F38	IHJ 008		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
409555		22-Mar-94	F42	IUV 004	62588	<1.00	11.70	<1.00	<0.50			<1.90	1.11	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
409555		25-Mar-95	F46	DSC 013	5123-01	<2.41	2.66	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
409555	(4)	25-Mar-95	F46	DSC 014	5123-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
409556		28-Oct-93	F41	FLY 004																		<0.41	<0.87	<8.28		
409556		28-Oct-93	F41	IKJ 004		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	0.87	<1.00	<1.00	<3.20					
409556		09-Nov-93	M41			<1.00	0.70	<1.00		<0.20	<0.20	<1.00	<2.00	<1.20	<1.00	<0.30	<1.70	<1.50	<1.00	<5.00	<5.00	<1.00	<1.00		<1.00	<1.00
409556		12-Jan-94	M42			<1.00	<0.50	<1.00		<0.20	<0.20	<1.00	<2.00	<1.20	<1.00	<0.30	<1.70	<1.50	<1.00	<5.00	<5.00	<1.00	<1.00		<1.00	<1.00
409556		23-Mar-94	F42	IUX 004	62588	<1.00	3.70	<1.00	<0.50			<1.90	0.71	<1.00	<0.78	0.30	<1.30	<0.72	<1.00	<1.00	<3.20					
409556		23-Mar-94	M42			<1.00	1.70	<1.00		<0.20	<0.20	<1.00	<2.00	<1.20	<1.00	<0.30	<1.70	<1.50	<1.00	<5.00	<5.00	<1.00	<1.00		<1.00	<1.00
409556		17-Mar-95	F46	DRV 009		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
409557		12-Mar-93	F38	IHC 010		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
409557		21-Mar-94	F42	IUS 016	59021	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
409557		10-Jun-94	A43	ZVH 010	126780	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	1.52					
409557		14-Sep-94	A44	IVV 017	215473	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
409557		07-Dec-94	A45	IZE 008	288420	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	1.24	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
409557		10-Mar-95	A46	IZM 008	56391	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	0.81	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
409596		15-Mar-93	F38	IHF 005		<1.00	14.40	1.82	0.58			<1.90	5.77	<1.00	2.76	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
409596		18-Mar-94	F42	IUP 009	57070	<1.00	15.50	3.07	0.76			<1.90	2.92	<1.00	3.68	0.58	<1.30	<0.72	<1.00	<1.00	<3.20					
409596		20-Mar-95	F46	DRW 005	5087-01	<2.41	7.26	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	1.66	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
409597		15-Mar-93	F38	IHE 016		<5.00	200.00	11.00	<2.50			<9.50	32.00	<5.00	11.00	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
409597		18-Mar-94	F42	IUP 010	57070	<1.00	330.00	19.10	2.98			<1.90	68.60	1.18	18.40	1.11	<1.30	<0.72	<1.00	<1.00	<3.20					
409597		20-Mar-95	F46	DRW 006	5087-01	<2.41	150.00	15.10		1.62	<1.06	<4.10	26.40	<1.52	12.20	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
437758		22-Mar-94	F42	IUT 006	60755	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.29	<1.30	<0.72	<1.00	<1.00	<3.20					
480785		21-Mar-94	F42	IUQ 017	58936	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.45	<1.30	<0.72	<1.00	<1.00	<3.20					
482083		01-Mar-94	A42	IKP 009	39039	<1.00	16.80	<1.00	1.47		<0.30	<1.90	<1.00	<1.00	6.80	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
482083		07-Mar-95	A46	IZK 010	56391	<1.00	9.56	<1.00	1.25		<0.30	<1.90	<1.00	<1.00	4.39	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
482084		01-Mar-94	A42	IKQQ 007	39039	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
482085		01-Mar-94	A42	IKP 008	39039	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
482086		11-Mar-94	A42	ZUG 004	49735	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	3.55	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
500691		23-Mar-93	F38	IHL 007		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
500691		16-Sep-94	A44	IVX 018	218146	<1.00	1.90	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.25	<1.30	<0.72	<1.00	<1.00	<3.20					
500691		06-Dec-94	A45	ZZD 017	288420	<1.00	0.78	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
500691		09-Mar-95	A46	IZL 017	56391	<1.00	1.35	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
500691		12-Jun-95	A47	IZY 019	NC	<1.00	0.64	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50		<0.72	<1.00	<1.00	<3.20					
508115		17-Mar-93	F38	IHH 010		<1.00	4.13	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
509052		22-Mar-94	F42	IUR 013	60178	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	1.41	<0.78	0.58	<1.30	20.40	<1.00	<1.00	<3.20					
509083		22-Mar-94	F42	IUU 017	62588	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.25	<1.30	<0.72	<1.00	<1.00	<3.20					
509083		21-Mar-95	F46	DRX 005	5093-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
512761		20-Jul-93	M40			<0.20	100.00	8.90		1.00	<0.20	<1.00	18.00	<0.20	4.60	0.30	<0.20	0.20	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
512761		09-Sep-93	F40	IKA 010		<5.00	140.00	<5.00	<2.50			<9.50	20.00	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00					
512761		10-Jun-94	F43	IVH 005	125865	<2.00	90.00	4.10	0.74			<3.80	11.00	<2.00	3.20	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40					
512761		11-Sep-95	F48	EWD 010	NC	<2.41	74.00	3.96		<0.89	<1.06	<4.10	11.10	<1.52	1.92	<3.94	<1.20	<1.08	<3.94	<4.47	<1.41					
519288		15-Mar-94	F42	IUM 006	53384	<1.00	0.32	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
519288		14-Mar-95	F46	DRQ 009		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
519289		15-Mar-94	F42	IUM 008	53384	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					

TABLE II - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)						0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
519289	(4)	15-Mar-94	F42	IUM 011	53384	0.72	0.38	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.31	<1.30	<0.72	<1.00	<1.00	<3.20					
519289		14-Mar-95	F46	DRQ 010		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
519290		15-Mar-94	F42	IUM 009	53384	<1.00	0.36	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	0.35	<1.30	<0.72	<1.00	<1.00	<3.20					
519290		14-Mar-95	F46	DRQ 011		<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
519291		15-Mar-94	F42	IUM 012	53384	<1.00	47.50	3.66	3.36			<1.90	35.60	<1.00	3.11	1.35	<1.30	0.69	<1.00	<1.00	<3.20					
519291	(4)	15-Mar-94	F42	IUM 013	53384	<1.00	51.00	4.38	3.30			<1.90	37.90	<1.00	2.99	1.27	<1.30	0.68	<1.00	<1.00	<3.20					
519291		17-Mar-95	F46	DRV 006		<2.41	14.30	<1.01		1.77	<1.06	<4.10	4.40	<1.52	1.17	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41					
520931		18-Apr-94	A43	ZUZ 004	NC	<1.00	6.83	<1.00	0.35		<0.30	<1.90	5.50	<1.00	<0.78	0.53	<1.30	<0.72	<1.00	<1.00	<3.20					
520931		03-May-94	A43	IVA 004	NC	<1.00	6.73	<1.00	0.40		<0.30	<1.90	<1.00	<1.00	<0.78	0.54	<1.30	<0.72	<1.00	<1.00	<3.20					
520931		07-Jun-94	M43			<0.20	9.30	<0.50		0.80	<0.10	<0.50	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
520931	(4)	07-Jun-94	A43	ZVF 004	126780	<1.00	9.21	<1.00	0.46		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
520931		07-Jun-94	M43			<0.20	9.30	<0.50		0.80	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
520931		07-Jun-94	A43	IVD 016	126780	<1.00	9.11	<1.00	0.46		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	1.64					
520931		05-Jul-94	A44	ZVJ 004	NC	<1.00	13.40	<1.00	0.51		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
520931		02-Aug-94	A44	ZVL 008	NC	<1.00	15.10	<1.00	0.53		<0.30	<1.90	0.85	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
520931		06-Sep-94	A44	IVS 018	NC	<1.00	16.80	<1.00	0.51		<0.30	<1.90	0.58	<1.00	0.55	1.02	<1.30	<0.72	<1.00	<1.00	<3.20					
520931	(4)	06-Sep-94	A44	IVS 019	NC	<1.00	16.10	<1.00	0.50		<0.30	<1.90	0.68	<1.00	0.56	1.19	<1.30	<0.72	<1.00	<1.00	<3.20					
520931		04-Oct-94	A45	ZVY 007	NC	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
520931		01-Nov-94	A45	ZZA 006	NC	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
520931	(4)	01-Nov-94	A45	ZZA 007	NC	<1.00	15.20	<1.00	0.89		<0.30	<1.90	0.68	<1.00	0.41	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
520931		06-Dec-94	A45	ZZD 007	288420	<1.00	12.30	<1.00	0.32		<0.30	<1.90	0.65	<1.00	0.42	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
520931	(4)	06-Dec-94	A45	ZZD 008	288420	<1.00	13.80	<1.00	<0.50		<0.30	<1.90	0.56	<1.00	0.46	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
520931		03-Jan-95	A46	YZG 004	418	<1.00	13.40	<1.00	0.37		<0.30	<1.90	0.92	1.03	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
520931	(4)	03-Jan-95	A46	YZG 005	418	<1.00	13.40	<1.00	0.33		<0.30	<1.90	1.10	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
520931		10-Feb-95	A46	IZJ 009	NC	<1.00	9.13	<1.00	0.30		<0.30	<1.90	0.65	<1.00	<0.78	1.01	<1.30	<0.72	<1.00	<1.00	<3.20					
520931		07-Mar-95	A46	IZL 004	56391	<1.00	11.70	<1.00	0.39		<0.30	<1.90	0.79	<1.00	0.47	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
520931	(4)	07-Mar-95	A46	IZL 005	56391	<1.00	11.80	<1.00	0.39		<0.30	<1.90	0.64	<1.00	0.44	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
520931		04-Apr-95	A47	IZW 004	NC	<1.00	11.20	<1.00	0.40		<0.30	<1.90	0.76	<1.00	0.60	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
520931		02-May-95	A47	IZX 007	119970	<1.00	10.70	<1.00	0.42		<0.30	<1.90	0.61	<1.00	0.55	<0.50	<1.30	<0.72	<1.00	<1.00	1.83					
520931	(4)	02-May-95	A47	IZX 008	119970	<1.00	10.90	<1.00	0.45		<0.30	<1.90	0.57	<1.00	0.55	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
520931		06-Jun-95	A47	IZY 010	NC	<1.00	11.90	<1.00	0.40		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
520931	(4)	06-Jun-95	A47	IZY 009	NC	<1.00	12.40	<1.00	0.40		<0.30	<1.90	<1.00	<1.00	0.43	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
520931		06-Jul-95	A48	IZZ 004	194379	<1.00	13.10	<1.00	0.40		<0.30	<1.90	<1.00	<1.00	0.50	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
520931		01-Aug-95	A48	HWB 006	224944	<1.00	16.50	0.61	0.46		<0.30	<1.90	0.62	<1.00	0.69	0.59	<1.30	<0.72	<1.00	<1.00	<3.20					
520931		05-Sep-95	A48	HWC 008	258830	<1.00	17.90	0.68	0.35		<0.30	<1.90	1.25	<1.00	0.59	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
520931	(4)	05-Sep-95	A48	HWC 009	258830	<1.00	18.00	0.58	0.35		<0.30	<1.90	1.23	<1.00	0.64	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
BEAULIEU		29-Jun-93	M39			<0.20	<0.10	<0.50		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
BIG TEN		16-Apr-93	M39			<0.20	2.50	0.60		<0.20	<0.20	<1.00	0.80	<0.20	1.10	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
BIG TEN		20-May-93	M39			<0.20	3.00	<0.50		<0.20	<0.20	<1.00	1.00	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
BIG TEN		14-Sep-93	M40			<0.20	2.20	<0.50		<0.20	<0.20	<1.00	1.90	<0.20	2.40	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
BOCH,IN		08-Sep-93	M40			<0.20	<0.10	<0.50		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
BOCH,OUT		08-Sep-93	M40			<0.20	10.00	<0.50		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
GAFFY		20-Oct-92	M37			<0.20	<0.10	<0.50		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
GAFFY		08-Sep-93	M40			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
JNSN FILT		23-Jun-93	M39			<0.20	28.00	1.60		0.30	<0.20	<1.00	1.00	<0.20	1.60	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
J.GRUNDN		29-Jun-93	M39			<0.20	<0.10	<0.50		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
L.GRUNDN		29-Jun-93	M39			<0.20	<0.10	<0.50		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
MARTIN		20-Oct-92	M37			<0.20	1.40	<0.50		3.20	0.90	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	1.20	<0.20		<0.20	<0.20
MARTIN		08-Sep-93	M40			<1.00	1.13	<1.00	2.62			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
MEYER		20-Oct-92	M37			<0.20	<0.10	<0.50		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
MEYER		08-Sep-93	M40			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					

TABLE II - 2
TCAAP Groundwater Quality Data (Organics) - ug/l (1)

Well	Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN	OXYLEN	M&PXYL
TCAAP GW Action Criteria - ug/l (3)					0.70	2.80	0.24		70.00	70.00	0.02	22.00	3.00	70.00	0.40	3.00	0.19	6.00			0.70	2000.00	440.00		
PECK	29-Jun-93	M39			<0.20	<0.10	<0.50		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
SIGSTAD	20-Oct-92	M37			<0.20	<0.10	<0.50		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
SIGSTAD	08-Sep-93	M40			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
TRAN	29-Jun-93	M39			<0.20	<0.10	<0.50		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
WINIECK	20-Jul-93	M40			<0.20	<0.10	<0.50		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
1725OAKWD	08-Sep-93	F40	IKA 005		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
1740PINEW	12-Nov-92	M37			<0.20	<0.10	<0.50		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
1754PINEWD	10-Sep-93	F40	IKA 011		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
1758HILLVW	08-Sep-93	F40	IKA 004		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
1831CTYRDI	08-Sep-93	F40	IKA 008		<1.00	1.21	<1.00	2.85			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
5592SCHUT	12-Nov-92	M37			<0.20	<0.10	<0.50		<0.20	<0.20	<1.00	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.50	<0.20	<0.20		<0.20	<0.20
5592SCHUT	08-Sep-93	F40	IKA 006		<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
5592SCHUT	08-Sep-93	M40			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					
5592SCHUT	08-Sep-93	M40			<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20					

Table II-3

TCAAP Groundwater Quality Data (Inorganics)

Notes:

(1) The parameters are grouped by the following chemical categories as separated by vertical lines: Category 2, Category 3, Category 4, Category 8, Category 9, and Category 10.

(2) Qtr = Quarter. Under this heading, F = FCC; A = Alliant Techsystems, Inc.; and M = MPCA.

(3) TCAAP GW Action Criteria = groundwater action criteria set forth in Table 3.7A of the Federal Facilities Agreement.

(4) Duplicate sample collected for QA/QC purposes.

(5) Field blank collected at this location. See Appendix C for FY 95 field blank data.

(6) These entries are the lot and sample numbers for the corresponding data points.

NC Trip blank not collected.

Shading denotes FY 1995 exceedances or potential exceedances of TCAAP action criteria. Exceedances are concentrations greater than the TCAAP action criteria. Potential exceedances are values reported as "less than the method detection limit," where the method detection limit is greater than the TCAAP action criteria.

TABLE II - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well		Trip Blank Lab #	Date	Qtr (2)	Silver AG (ug/l)	Arsenic AS (ug/l)	Barium BA (ug/l)	Beryllium BE (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Manganese MN (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Antimony SB (ug/l)	Selenium SE (ug/l)	Thallium TL (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Nitrate NIT (ug/l)
TCAAP GW Action Criteria - ug/l (3)					0.09	0.20	1000.00	0.08	4.00	50.00	1.00		70.00	5.00	1.00	10.00	0.30	1.00	100.00	
01L816			Well Abandoned																	
01U035			09-Mar-94	F42														<0.74		
01U035	(6)		09-Mar-94															IJL 031		
01U036			09-Mar-94	F42														<0.74		
01U036	(6)		09-Mar-94															IJL 030		
01U038	(5)	48275	09-Mar-94	F42		<3.00	103.00		<5.00	<15.00			<5.00	<4.00				<0.74		
01U038	(6)		09-Mar-94			EAX 003	IQB 020		IQB 020	IQB 020			EOQ 022	EBX 021				IJL 027		
01U038			08-Sep-94	F44	<12.50						<20.00	862.00			<37.10	<75.00	<100.00			
01U038	(6)		08-Sep-94		IQR 018						IQR 018	IQR 018			IQR 018	IQR 018	IQR 018			
01U039		48232	09-Mar-94	F42		<3.00	<20.00		<5.00	<15.00			<5.00	<4.00				<0.74		
01U039	(6)		09-Mar-94			EAX 023	IQB 023		IQB 023	IQB 023			EOQ 023	EBX 022				IJL 029		
01U039			08-Sep-94	F44	<12.50						<20.00	8.03			<37.10	<75.00	<100.00			
01U039	(6)		08-Sep-94		IQS 005						IQS 005	IQS 005			IQS 005	IQS 005	IQS 005			
01U040		NC	07-Mar-94	F42		<3.00	32.30		<5.00	<15.00			<5.00	<4.00				<0.74		
01U040	(6)		07-Mar-94			EAY 009	IQC 011		IQC 011	IQC 011			EOS 009	EBY 009				IJM 009		
01U040		208191	06-Sep-94	F44	<12.50						<20.00	<5.11			<37.10	<75.00	<100.00			
01U040	(6)		06-Sep-94		IQR 004						IQR 004	IQR 004			IQR 004	IQR 004	IQR 004			
01U041		48275	08-Mar-94	F42		<3.00	26.20		<5.00	<15.00			<5.00	<4.00				<0.74		
01U041	(6)		08-Mar-94			EAX 006	IQB 005		IQB 005	IQB 005			EOQ 006	EBX 023				IJL 007		
01U041		208191	06-Sep-94	F44	<12.50						<20.00	70.30			<37.10	<75.00	<100.00			
01U041	(6)		06-Sep-94		IQR 008						IQR 008	IQR 008			IQR 008	IQR 008	IQR 008			
01U045			08-Mar-93	F38															<8.17	<10.00
01U045	(4)		08-Mar-93	F38																
01U045			22-Mar-94	F42																
01U045	(6)		22-Mar-94																	
01U045			08-Mar-95	F46																
01U045			08-Mar-95																	
01U063		48275	09-Mar-94	F42		<3.00	54.40		<5.00	<15.00			<5.00	<4.00				<0.74		
01U063	(6)		09-Mar-94			EAX 022	IQB 021		IQB 021	IQB 021			EOQ 003	EBX 003				IJL 028		
01U063			08-Sep-94	F44	<12.50						<20.00	218.00			<37.10	<75.00	<100.00			
01U063	(6)		08-Sep-94		IQS 004						IQS 004	IQS 004			IQS 004	IQS 004	IQS 004			
01U067		48275	08-Mar-94	F42		<3.00	24.20		<5.00	<15.00			<5.00	<4.00				<0.74		
01U067	(6)		08-Mar-94			EAX 002	IQB 004		IQB 004	IQB 004			EOQ 002	EBX 002				IJL 004		
01U067		208191	06-Sep-94	F44	<12.50						<20.00	<5.11			<37.10	<75.00	<100.00			
01U067	(6)		06-Sep-94		IQR 007						IQR 007	IQR 007			IQR 007	IQR 007	IQR 007			

TABLE II - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well		Trip Blank Lab #	Date	Qtr (2)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMMAS (pC/l)	Zinc ZN (ug/l)	luminum AL (ug/l)	Calcium CA (ug/l)	Cobalt CO (ug/l)	Iron FE (ug/l)	Potassium K (ug/l)	Magnesium MG (ug/l)	Molybdenum MO (ug/l)	Sodium NA (ug/l)	Vanadium V (ug/l)
TCAAP GW Action Criteria - ug/l (3)										700.00			1.00						20.00
01L816			Well Abandoned																
01U035			09-Mar-94	F42															
01U035	(6)		09-Mar-94																
01U036			09-Mar-94	F42															
01U036	(6)		09-Mar-94																
01U038	(5)	48275	09-Mar-94	F42						15.30			<1.00						<20.00
01U038	(6)		09-Mar-94							IQB 020			EOP 022						IQB 020
01U038			08-Sep-94	F44													<30.90		
01U038	(6)		08-Sep-94														IQR 018		
01U039		48232	09-Mar-94	F42						18.30			<1.00						<20.00
01U039	(6)		09-Mar-94							IQB 023			EOP 023						IQB 023
01U039			08-Sep-94	F44													<30.90		
01U039	(6)		08-Sep-94														IQS 005		
01U040		NC	07-Mar-94	F42						<13.00			<1.00						<20.00
01U040	(6)		07-Mar-94							IQC 011			EOR 009						IQC 011
01U040		208191	06-Sep-94	F44													<30.90		
01U040	(6)		06-Sep-94														IQR 004		
01U041		48275	08-Mar-94	F42						35.60			<1.00						<20.00
01U041	(6)		08-Mar-94							IQB 005			EOP 006						IQB 005
01U041		208191	06-Sep-94	F44													<30.90		
01U041	(6)		06-Sep-94														IQR 008		
01U045			08-Mar-93	F38	<10.30	100.00													
01U045	(4)		08-Mar-93	F38		100.00													
01U045			22-Mar-94	F42		58.10													
01U045	(6)		22-Mar-94			ISB 008													
01U045			08-Mar-95	F46		26.10													
01U045			08-Mar-95			DSD 004													
01U063		48275	09-Mar-94	F42						13.20			<1.00						<20.00
01U063	(6)		09-Mar-94							IQB 021			EOP 003						IQB 021
01U063			08-Sep-94	F44													<30.90		
01U063	(6)		08-Sep-94														IQS 004		
01U067		48275	08-Mar-94	F42						21.40			<1.00						<20.00
01U067	(6)		08-Mar-94							IQB 004			EOP 002						IQB 004
01U067		208191	06-Sep-94	F44													<30.90		
01U067	(6)		06-Sep-94														IQR 007		

TABLE II - 3

TCAAP Groundwater Quality Data (Inorganics) - (1)

Well		Trip Blank Lab #	Date	Qtr (2)	Silver AG (ug/l)	Arsenic AS (ug/l)	Barium BA (ug/l)	Beryllium BE (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Manganese MN (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Antimony SB (ug/l)	Selenium SE (ug/l)	Thallium TL (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Nitrate NIT (ug/l)
TCAAP GW Action Criteria - ug/l (3)					0.09	0.20	1000.00	0.08	4.00	50.00	1.00		70.00	5.00	1.00	10.00	0.30	1.00	100.00	
01U100			26-Jan-94	M42	1.00	5.00	110.00	<0.20	<0.20	0.60	2.00	2700.00	10.00	<2.00	<6.00	<5.00	5.00	<0.20		
01U101			22-Feb-93	M38	<10.00			<0.20						<2.00	<6.00	<5.00	<2.00			
01U101			26-Jan-94	M42	<1.00	<2.00	10.00	<0.20	<0.20	0.80	<1.00	20.00	<6.00	<2.00	<6.00	<5.00	<2.00	<0.20		
01U102		NC	11-Mar-94	F42		<3.00	160.00		<5.00	<15.00			10.40	<4.00				<0.74		
01U102	(6)		11-Mar-94			EAY 018	IQC 020		IQC 020	IQC 020			EOS 018	EBY 018				IJM 022		
01U102		NC	12-Sep-94	F44	<12.50						<20.00	90.40			<37.10	<75.00	<100.00			
01U102	(6)		12-Sep-94		IQS 016						IQS 016	IQS 016			IQS 016	IQS 016	IQS 016			
01U103		NC	07-Mar-94	F42		<3.00	106.00		<5.00	<15.00			<5.00	<4.00				<0.74		
01U103			07-Mar-94	M42		<2.00									79.00		<2.00			
01U103	(6)		07-Mar-94			EAY 003	IQC 006		IQC 006	IQC 006			EOS 003	EBY 003				IJM 004		
01U103		124044	07-Jun-94	F43													<100.00			
01U103	(6)		07-Jun-94														IQK 004			
01U103		208191	07-Sep-94	F44	<12.50						<20.00	<5.11			127.00	<75.00	<100.00			
01U103	(6)		07-Sep-94		IQP 005						IQP 005	IQP 005			IQP 005	IQP 005	IQP 005			
01U104		48275	08-Mar-94	F42		<3.00	103.00		<5.00	<15.00			5.90	<4.00				<0.74		
01U104	(6)		08-Mar-94			EAX 014	IQB 013		IQB 013	IQB 013			EOQ 014	EBX 013				IJL 017		
01U104		208191	07-Sep-94	F44	<12.50						<20.00	502.00			<37.10	<75.00	<100.00			
01U104	(6)		07-Sep-94		IQP 007						IQP 007	IQP 007			IQP 007	IQP 007	IQP 007			
01U105		48275	09-Mar-94	F42		<3.00	29.20		<5.00	<15.00			<5.00	<4.00				<0.74		
01U105	(6)		09-Mar-94			EAX 021	IQB 022		IQB 022	IQB 022			EOQ 021	EBX 020				IJL 024		
01U105			08-Sep-94	F44	<12.50						<20.00	146.00			<37.10	<75.00	<100.00			
01U105	(6)		08-Sep-94		IQR 017						IQR 017	IQR 017			IQR 017	IQR 017	IQR 017			
01U106		48275	08-Mar-94	F42		<3.00	37.30		<5.00	<15.00			<5.00	<4.00				<0.74		
01U106	(6)		08-Mar-94			EAX 012	IQB 011		IQB 011	IQB 011			EOQ 012	EBX 011				IJL 013		
01U106		208191	07-Sep-94	F44	<12.50						<20.00	20.10			<37.10	<75.00	<100.00			
01U106	(6)		07-Sep-94		IQP 004						IQP 004	IQP 004			IQP 004	IQP 004	IQP 004			
01U107		48275	08-Mar-94	F42		<3.00	252.00		<5.00	<15.00			<5.00	<4.00				<0.74		
01U107	(6)		08-Mar-94			EAX 010	IQB 009		IQB 009	IQB 009			EOQ 010	EBX 009				IJL 011		
01U107		208191	06-Sep-94	F44	<12.50						<20.00	116.00			<37.10	<75.00	<100.00			
01U107	(6)		06-Sep-94		IQR 012						IQR 012	IQR 012			IQR 012	IQR 012	IQR 012			
01U108		53384	15-Mar-94	F42		<3.00	61.50		<5.00	<15.00			<5.00	<4.00				<0.74		
01U108	(6)		15-Mar-94			EAZ 011	IQE 014		IQE 014	IQE 014			EOX 012	EQA 012				IJN 017		
01U108		208191	07-Sep-94	F44	<12.50						<20.00	1300.00			<37.10	<75.00	<100.00			
01U108	(6)		07-Sep-94		IQP 011						IQP 011	IQP 011			IQP 011	IQP 011	IQP 011			

TABLE II - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well		Trip Blank Lab #	Date	Qtr (2)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMMAS (pC/l)	Zinc ZN (ug/l)	luminum AL (ug/l)	Calcium CA (ug/l)	Cobalt CO (ug/l)	Iron FE (ug/l)	Potassium K (ug/l)	Magnesium MG (ug/l)	Molybdenum MO (ug/l)	Sodium NA (ug/l)	Vanadium V (ug/l)
TCAAP GW Action Criteria - ug/l (3)										700.00			1.00						20.00
01U100			26-Jan-94	M42						50.00									4.00
01U101			22-Feb-93	M38									2.00						
01U101			26-Jan-94	M42						<10.00									4.00
01U102		NC	11-Mar-94	F42						<13.00			<1.00						<20.00
01U102	(6)		11-Mar-94							IQC 020			EOR 018						IQC 020
01U102		NC	12-Sep-94	F44													<30.90		
01U102	(6)		12-Sep-94														IQS 016		
01U103		NC	07-Mar-94	F42						32.60			<1.00						<20.00
01U103			07-Mar-94	M42															
01U103	(6)		07-Mar-94							IQC 006			EOR 003						IQC 006
01U103		124044	07-Jun-94	F43															
01U103	(6)		07-Jun-94																
01U103		208191	07-Sep-94	F44													<30.90		
01U103	(6)		07-Sep-94														IQP 005		
01U104		48275	08-Mar-94	F42						13.20			<1.00						<20.00
01U104	(6)		08-Mar-94							IQB 013			EOP 014						IQB 013
01U104		208191	07-Sep-94	F44													<30.90		
01U104	(6)		07-Sep-94														IQP 007		
01U105		48275	09-Mar-94	F42						<13.00			<1.00						<20.00
01U105	(6)		09-Mar-94							IQB 022			EOP 021						IQB 022
01U105			08-Sep-94	F44													<30.90		
01U105	(6)		08-Sep-94														IQR 017		
01U106		48275	08-Mar-94	F42						14.20			<1.00						<20.00
01U106	(6)		08-Mar-94							IQB 011			EOP 012						IQB 011
01U106		208191	07-Sep-94	F44													<30.90		
01U106	(6)		07-Sep-94														IQP 004		
01U107		48275	08-Mar-94	F42						15.30			<1.00						<20.00
01U107	(6)		08-Mar-94							IQB 009			EOP 010						IQB 009
01U107		208191	06-Sep-94	F44													<30.90		
01U107	(6)		06-Sep-94														IQR 012		
01U108		53384	15-Mar-94	F42						<13.00			<1.00						<20.00
01U108	(6)		15-Mar-94							IQE 014			EOY 012						IQE 014
01U108		208191	07-Sep-94	F44													<30.90		
01U108	(6)		07-Sep-94														IQP 011		

TABLE II - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well		Trip Blank Lab #	Date	Qtr (2)	Silver AG (ug/l)	Arsenic AS (ug/l)	Barium BA (ug/l)	Beryllium BE (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Manganese MN (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Antimony SB (ug/l)	Selenium SE (ug/l)	Thallium TL (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Nitrate NIT (ug/l)
TCAAP GW Action Criteria - ug/l (3)					0.09	0.20	1000.00	0.08	4.00	50.00	1.00		70.00	5.00	1.00	10.00	0.30	1.00	100.00	
01U109		48275	08-Mar-94	F42		<3.00	101.00		<5.00	<15.00			<5.00	<4.00				<0.74		
01U109	(6)		08-Mar-94			EAX 016	IQB 015		IQB 015	IQB 015			EOQ 016	EBX 015				IJL 019		
01U109			07-Sep-94	F44	<12.50						<20.00	238.00			<37.10	<75.00	<100.00			
01U109	(6)		07-Sep-94		IQP 009						IQP 009	IQP 009			IQP 009	IQP 009	IQP 009			
01U110		48275	08-Mar-94	F42		<3.00	28.20		<5.00	<15.00			<5.00	<4.00				<0.74		
01U110	(6)		08-Mar-94			EAX 015	IQB 014		IQB 014	IQB 014			EOQ 015	EBX 014				IJL 018		
01U110			07-Sep-94	F44	<12.50						<20.00	64.30			<37.10	<75.00	<100.00			
01U110	(6)		07-Sep-94		IQP 008						IQP 008	IQP 008			IQP 008	IQP 008	IQP 008			
01U115		48771	10-Mar-94	F42		<3.00	32.30		<5.00	<15.00			<5.00	<4.00				<0.74		
01U115	(6)		10-Mar-94			EAZ 009	IQE 009		IQE 009	IQE 009			EOX 010	EQA 010				IJN 012		
01U115		NC	09-Sep-94	F44	<12.50						<20.00	18.10			<37.10	<75.00	<100.00			
01U115	(6)		09-Sep-94		IQS 023						IQS 023	IQS 023			IQS 023	IQS 023	IQS 023			
01U116		48275	09-Mar-94	F42		<3.00	57.50		<5.00	<15.00			<5.00	<4.00				<0.74		
01U116	(6)		09-Mar-94			EAX 020	IQB 019		IQB 019	IQB 019			EOQ 020	EBX 019				IJL 023		
01U116			08-Sep-94	F44	<12.50						<20.00	66.30			<37.10	<75.00	<100.00			
01U116	(6)		08-Sep-94		IQR 016						IQR 016	IQR 016			IQR 016	IQR 016	IQR 016			
01U117	(5)	NC	10-Mar-94	F42		<3.00	112.00		<5.00	<15.00			<5.00	<4.00				<0.74		
01U117	(6)		10-Mar-94			EAY 013	IQC 015		IQC 015	IQC 015			EOS 013	EBY 013				IJM 015		
01U117	(5)	NC	09-Sep-94	F44	<12.50						<20.00	231.00			<37.10	<75.00	<100.00			
01U117	(6)		09-Sep-94		IQT 006						IQT 006	IQT 006			IQT 006	IQT 006	IQT 006			
01U118		48275	08-Mar-94	F42		<3.00	42.30		<5.00	<15.00			<5.00	<4.00				<0.74		
01U118	(6)		08-Mar-94			EAX 007	IQB 006		IQB 006	IQB 006			EOQ 007	EBX 006				IJL 008		
01U118		208191	06-Sep-94	F44	<12.50						<20.00	15.10			<37.10	<75.00	<100.00			
01U118	(6)		06-Sep-94		IQR 009						IQR 009	IQR 009			IQR 009	IQR 009	IQR 009			
01U119	(5)	48275	08-Mar-94	F42		<3.00	42.30		<5.00	<15.00			<5.00	<4.00				<0.74		
01U119	(6)		08-Mar-94			EAX 013	IQB 012		IQB 012	IQB 012			EOQ 013	EBX 012				IJL 014		
01U119		208191	07-Sep-94	F44	<12.50						<20.00	396.00			<37.10	<75.00	<100.00			
01U119	(6)		07-Sep-94		IQP 006						IQP 006	IQP 006			IQP 006	IQP 006	IQP 006			
01U120		48275	09-Mar-94	F42		<3.00	26.20		<5.00	<15.00			<5.00	<4.00				<0.74		
01U120	(6)		09-Mar-94			EAX 019	IQB 018		IQB 018	IQB 018			EOQ 019	EBX 018				IJL 022		
01U120			08-Sep-94	F44	<12.50						<20.00	109.00			<37.10	<75.00	<100.00			
01U120	(6)		08-Sep-94		IQR 015						IQR 015	IQR 015			IQR 015	IQR 015	IQR 015			
01U125		NC	10-Mar-94	F42		<3.00	21.20		<5.00	<15.00			<5.00	<4.00				<0.74		
01U125	(6)		10-Mar-94			EAY 011	IQC 013		IQC 013	IQC 013			EOS 011	EBY 011				IJM 011		
01U125		NC	09-Sep-94	F44	<12.50						<20.00	8.03			<37.10	<75.00	<100.00			
01U125	(6)		09-Sep-94		IQT 004						IQT 004	IQT 004			IQT 004	IQT 004	IQT 004			

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TCAAP Groundwater Quality Data (Inorganics) - (1)

Well		Trip Blank Lab #	Date	Qtr (2)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMMAS (pC/l)	Zinc ZN (ug/l)	luminum AL (ug/l)	Calcium CA (ug/l)	Cobalt CO (ug/l)	Iron FE (ug/l)	Potassium K (ug/l)	Magnesium MG (ug/l)	Molybdenum MO (ug/l)	Sodium NA (ug/l)	Vanadium V (ug/l)
TCAAP GW Action Criteria - ug/l (3)										700.00			1.00						20.00
01U109		48275	08-Mar-94	F42						20.30			<1.00						<20.00
01U109	(6)		08-Mar-94							IQB 015			EOP 016						IQB 015
01U109			07-Sep-94	F44													<30.90		
01U109	(6)		07-Sep-94														IQP 009		
01U110		48275	08-Mar-94	F42						21.40			<1.00						<20.00
01U110	(6)		08-Mar-94							IQB 014			EOP 015						IQB 014
01U110			07-Sep-94	F44													<30.90		
01U110	(6)		07-Sep-94														IQP 008		
01U115		48771	10-Mar-94	F42						<13.00			<1.00						<20.00
01U115	*(6)*		*10-Mar-94*							*IQE 009*			*EOY 010*						*IQE 009*
01U115		NC	09-Sep-94	F44													<30.90		
01U115	(6)		09-Sep-94														IQS 023		
01U116		48275	09-Mar-94	F42						13.20			<1.00						<20.00
01U116	(6)		09-Mar-94							IQB 019			EOP 020						IQB 019
01U116			08-Sep-94	F44													<30.90		
01U116	(6)		08-Sep-94														IQR 016		
01U117	(5)	NC	10-Mar-94	F42						<13.00			<1.00						<20.00
01U117	(6)		10-Mar-94							IQC 015			EOR 013						IQC 015
01U117	(5)	NC	09-Sep-94	F44													<30.90		
01U117	(6)		09-Sep-94														IQT 006		
01U118		48275	08-Mar-94	F42						19.30			<1.00						<20.00
01U118	(6)		08-Mar-94							IQB 006			EOP 007						IQB 006
01U118		208191	06-Sep-94	F44													<30.90		
01U118	(6)		06-Sep-94														IQR 009		
01U119	(5)	48275	08-Mar-94	F42						16.30			<1.00						<20.00
01U119	(6)		08-Mar-94							IQB 012			EOP 013						IQB 012
01U119		208191	07-Sep-94	F44													<30.90		
01U119	(6)		07-Sep-94														IQP 006		
01U120		48275	09-Mar-94	F42						16.30			<1.00						<20.00
01U120	(6)		09-Mar-94							IQB 018			EOP 019						IQB 018
01U120			08-Sep-94	F44													<30.90		
01U120	(6)		08-Sep-94														IQR 015		
01U125		NC	10-Mar-94	F42						<13.00			<1.00						<20.00
01U125	(6)		10-Mar-94							IQC 013			EOR 011						IQC 013
01U125		NC	09-Sep-94	F44													<30.90		
01U125	(6)		09-Sep-94														IQT 004		

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TCAAP Groundwater Quality Data (Inorganics) - (1)

Well		Trip Blank Lab #	Date	Qtr (2)	Silver AG (ug/l)	Arsenic AS (ug/l)	Barium BA (ug/l)	Beryllium BE (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Manganese MN (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Antimony SB (ug/l)	Selenium SE (ug/l)	Thallium TL (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Nitrate NIT (ug/l)
TCAAP GW Action Criteria - ug/l (3)					0.09	0.20	1000.00	0.08	4.00	50.00	1.00		70.00	5.00	1.00	10.00	0.30	1.00	100.00	
01U126		48275	09-Mar-94	F42		<3.00	51.40		<5.00	<15.00			<5.00	<4.00				<0.74		
01U126	(6)		09-Mar-94			EAX 017	IQB 016		IQB 016	IQB 016			EOQ 017	EBX 016				IJL 020		
01U126	(5)	208191	07-Sep-94	F44	<12.50						<20.00	390.00			<37.10	<75.00	<100.00			
01U126	(6)		07-Sep-94		IQP 018						IQP 018	IQP 018			IQP 018	IQP 018	IQP 018			
01U127		48275	09-Mar-94	F42		<3.00	66.50		<5.00	<15.00			<5.00	<4.00				<0.74		
01U127	(6)		09-Mar-94			EAX 018	IQB 017		IQB 017	IQB 017			EOQ 018	EBX 017				IJL 021		
01U127		208191	07-Sep-94	F44	<12.50						<20.00	<5.11			<37.10	<75.00	<100.00			
01U127	(6)		07-Sep-94		IQP 019						IQP 019	IQP 019			IQP 019	IQP 019	IQP 019			
01U128			01-Mar-94	M42	<1.00			<0.20				3000.00	<20.00		<6.00	<5.00	5.00	<0.20		
01U133		NC	07-Mar-94	F42		<3.00	109.00		<5.00	<15.00			<5.00	<4.00				<0.74		
01U133			07-Mar-94	M42		<2.00									<6.00		<2.00			
01U133	(6)		07-Mar-94			EAY 007	IQC 009		IQC 009	IQC 009			EOS 007	EBY 007				IJM 005		
01U133		124044	08-Jun-94	F43													<100.00			
01U133	(6)		08-Jun-94														IQK 006			
01U133			08-Sep-94	F44	<12.50						<20.00	360.00			<37.10	<75.00	<100.00			
01U133	(6)		08-Sep-94		IQR 019						IQR 019	IQR 019			IQR 019	IQR 019	IQR 019			
01U135		48275	09-Mar-94	F42		<3.00	55.40		<5.00	<15.00			<5.00	<4.00						
01U135	(6)		09-Mar-94			EAY 006	IQC 005		IQC 005	IQC 005			EOS 006	EBY 002						
01U135			08-Sep-94	F44	<12.50						<20.00	133.00			<37.10	<75.00	<100.00			
01U135	(6)		08-Sep-94		IQS 009						IQS 009	IQS 009			IQS 009	IQS 009	IQS 009			
01U136		48275	09-Mar-94	F42		<3.00	290.00		<5.00	<15.00			42.80	<4.00						
01U136	(6)		09-Mar-94			EAY 002	IQC 004		IQC 004	IQC 004			EOS 002	EBY 006						
01U136			08-Sep-94	F44	<12.50						<20.00	339.00			<37.10	<75.00	<100.00			
01U136	(6)		08-Sep-94		IQS 008						IQS 008	IQS 008			IQS 008	IQS 008	IQS 008			
01U137		48275	08-Mar-94	F42		<3.00	<20.00		<5.00	<15.00			<5.00	<4.00				<0.74		
01U137	(6)		08-Mar-94			EAX 008	IQB 007		IQB 007	IQB 007			EOQ 008	EBX 007				IJL 009		
01U137		208191	06-Sep-94	F44	<12.50						<20.00	9.04			<37.10	<75.00	<100.00			
01U137	(6)		06-Sep-94		IQR 010						IQR 010	IQR 010			IQR 010	IQR 010	IQR 010			
01U138		NC	10-Mar-94	F42		<3.00	41.30		<5.00	<15.00			<5.00	<4.00				<0.74		
01U138	(6)		10-Mar-94			EAY 010	IQC 012		IQC 012	IQC 012			EOS 010	EBY 010				IJM 010		
01U138		NC	09-Sep-94	F44	<12.50						<20.00	37.10			<37.10	<75.00	<100.00			
01U138	(6)		09-Sep-94		IQS 025						IQS 025	IQS 025			IQS 025	IQS 025	IQS 025			
01U139		48771	10-Mar-94	F42		<3.00	68.50		<5.00	<15.00			<1.00	<4.00				<0.74		
01U139	(6)		10-Mar-94			EAY 023	IQC 025		IQC 025	IQC 025			EOS 022	EBY 023				IJN 004		
01U139		NC	09-Sep-94	F44	<12.50						<20.00	468.00			<37.10	<75.00	<100.00			

TABLE II - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well		Trip Blank Lab #	Date	Qtr (2)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMMAS (pC/l)	Zinc ZN (ug/l)	luminum AL (ug/l)	Calcium CA (ug/l)	Cobalt CO (ug/l)	Iron FE (ug/l)	Potassium K (ug/l)	Magnesium MG (ug/l)	Molybdenum MO (ug/l)	Sodium NA (ug/l)	Vanadium V (ug/l)
TCAAP GW Action Criteria - ug/l (3)										700.00			1.00						20.00
01U126		48275	09-Mar-94	F42						17.30			<1.00						<20.00
01U126	(6)		09-Mar-94							IQB 016			EOP 017						IQB 016
01U126	(5)	208191	07-Sep-94	F44													<30.90		
01U126	(6)		07-Sep-94														IQP 018		
01U127		48275	09-Mar-94	F42						41.70			<1.00						<20.00
01U127	(6)		09-Mar-94							IQB 017			EOP 018						IQB 017
01U127		208191	07-Sep-94	F44													<30.90		
01U127	(6)		07-Sep-94														IQP 019		
01U128			01-Mar-94	M42						<20.00									
01U133		NC	07-Mar-94	F42						15.30			<1.00						<20.00
01U133			07-Mar-94	M42															
01U133	(6)		07-Mar-94							IQC 009			EOR 007						IQC 009
01U133		124044	08-Jun-94	F43															
01U133	(6)		08-Jun-94																
01U133			08-Sep-94	F44													<30.90		
01U133	(6)		08-Sep-94														IQR 019		
01U135		48275	09-Mar-94	F42						<13.00			<1.00						<20.00
01U135	(6)		09-Mar-94							IQC 005			EOR 006						IQC 005
01U135			08-Sep-94	F44													<30.90		
01U135	(6)		08-Sep-94														IQS 009		
01U136		48275	09-Mar-94	F42						<13.00			3.08						<20.00
01U136	(6)		09-Mar-94							IQC 004			EOR 002						IQC 004
01U136			08-Sep-94	F44													<30.90		
01U136	(6)		08-Sep-94														IQS 008		
01U137		48275	08-Mar-94	F42						13.20			<1.00						<20.00
01U137	(6)		08-Mar-94							IQB 007			EOP 008						IQB 007
01U137		208191	06-Sep-94	F44													<30.90		
01U137	(6)		06-Sep-94														IQR 010		
01U138		NC	10-Mar-94	F42						<13.00			<1.00						<20.00
01U138	(6)		10-Mar-94							IQC 012			EOR 010						IQC 012
01U138		NC	09-Sep-94	F44													<30.90		
01U138	(6)		09-Sep-94														IQS 025		
01U139		48771	10-Mar-94	F42						<13.00			<1.00						<20.00
01U139	(6)		10-Mar-94							IQC 025			EOR 023						IQC 025
01U139		NC	09-Sep-94	F44													<30.90		

TABLE II - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well		Trip Blank Lab #	Date	Qtr (2)	Silver AG (ug/l)	Arsenic AS (ug/l)	Barium BA (ug/l)	Beryllium BE (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Manganese MN (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Antimony SB (ug/l)	Selenium SE (ug/l)	Thallium TL (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Nitrate NIT (ug/l)
TCAAP GW Action Criteria - ug/l (3)					0.09	0.20	1000.00	0.08	4.00	50.00	1.00		70.00	5.00	1.00	10.00	0.30	1.00	100.00	
01U139	(6)		09-Sep-94		IQS 021						IQS 021	IQS 021			IQS 021	IQS 021	IQS 021			
01U140		NC	07-Mar-94	F42		<3.00	64.50		<5.00	<15.00			<5.00	<4.00				<0.74		
01U140	(6)		07-Mar-94			EAY 008	IQC 010		IQC 010	IQC 010			EOS 008	EBY 008				IJM 008		
01U140		NC	09-Sep-94	F44	<12.50						<20.00	312.00			<37.10	<75.00	<100.00			
01U140	(6)		09-Sep-94		IQS 022						IQS 022	IQS 022			IQS 022	IQS 022	IQS 022			
01U141		48275	08-Mar-94	F42		<3.00	<20.00		<5.00	<15.00			<5.00	<4.00				<0.74		
01U141	(6)		08-Mar-94			EAX 009	IQB 008		IQB 008	IQB 008			EOQ 009	EBX 008				IJL 010		
01U141		208191	06-Sep-94	F44	<12.50						<20.00	<5.11			<37.10	<75.00	<100.00			
01U141	(6)		06-Sep-94		IQR 011						IQR 011	IQR 011			IQR 011	IQR 011	IQR 011			
01U157		NC	10-Mar-94	F42		<3.00	54.40		<5.00	<15.00			<5.00	<4.00				<0.74		
01U157	(6)		10-Mar-94			EAY 012	IQC 014		IQC 014	IQC 014			EOS 012	EBY 012				IJM 014		
01U157		106330	13-May-94	F43		<3.00	98.80		<5.00	<15.00	<20.00		19.10	<4.00				<0.74	<8.17	
01U157	(4)	106330	13-May-94	F43		<3.00	93.80		<5.00	<15.00	<20.00			<4.00				<0.74	<8.17	
01U157	(6)		13-May-94			ESM 013	IQJ 015		IQJ 015	IQJ 015	IQJ 015		EWB 013	EQF 013				IJQ 013	IMG 014	
01U157	(6)		13-May-94			ESM 017	IQJ 019		IQJ 019	IQJ 019	IQJ 019			EQF 017				IJQ 019	IMG 017	
01U157		NC	09-Sep-94	F44	<12.50						<20.00	143.00			<37.10	<75.00	<100.00			
01U157	(6)		09-Sep-94		IQT 005						IQT 005	IQT 005			IQT 005	IQT 005	IQT 005			
01U158		48771	10-Mar-94	F42		<3.00	67.50		<5.00	<15.00			<5.00	<4.00				<0.74		
01U158	(6)		10-Mar-94			EAZ 013	IQE 008		IQE 008	IQE 008		EOX 009		EQA 009				IJN 011		
01U158			13-May-94	F43			<20.00		<5.00	<15.00	259.00									
01U158		106330	13-May-94	F43		<3.00	82.70		<5.00	<15.00	<20.00		7.96	<4.00				<0.74	<8.17	
01U158	(4)		13-May-94	F43									15.50							
01U158	(6)		13-May-94				BA		CD	CR	CU									
01U158	(6)		13-May-94				IQJ 014		IQJ 014	IQJ 014	IQJ 014									
01U158	(6)		13-May-94			ESM 014	IQJ 016		IQJ 016	IQJ 016	IQJ 016		EWB 014	EQF 014				IJQ 016	IMG 015	
01U158	(6)		13-May-94										EWB 015							
01U158		NC	09-Sep-94	F44	<12.50						<20.00	318.00			<37.10	<75.00	<100.00			
01U158	(6)		09-Sep-94		IQS 024						IQS 024	IQS 024			IQS 024	IQS 024	IQS 024			
01U350			20-Oct-92	F37		<6.01	131.00		<5.00	<15.00			<5.32	<1.26						1000.00
01U350			03-Nov-92	F37		<6.01	138.00		<5.00	<15.00			<5.32							1200.00
01U350			01-Dec-92	F37		<6.01	161.00		<5.00	<15.00			6.08	<1.26						1300.00
01U350			05-Jan-93	F38		<6.01	125.00		<5.00	<15.00			<5.32	<1.26						1500.00
01U350			02-Feb-93	F38		<6.01	111.00		<5.00	<15.00			<5.32	<1.26						1200.00
01U350			02-Mar-93	F38		<6.01	106.00		<5.00	<15.00			<5.32	<1.26						1100.00
01U350			19-Apr-93	F39		<6.01	98.80		<5.00	<15.00			<5.32	2.64						1200.00
01U350			07-May-93	F39		<6.01	95.80		<5.00	<15.00			<5.32	<1.26						
01U350			01-Jun-93	F39		<6.01	91.70		<5.00	<15.00			<5.32	<1.26						
01U350	(4)		01-Jun-93	F39															<8.17	1200.00
01U350			22-Jul-93	F40		<6.01	117.00		<5.00	<15.00			<5.32	9.10					<8.17	
																				1200.00

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TCAAP Groundwater Quality Data (Inorganics) - (1)

Well		Trip Blank Lab #	Date	Qtr (2)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMMAS (pC/l)	Zinc ZN (ug/l)	luminum AL (ug/l)	Calcium CA (ug/l)	Cobalt CO (ug/l)	Iron FE (ug/l)	Potassium K (ug/l)	Magnesium MG (ug/l)	Molybdenum MO (ug/l)	Sodium NA (ug/l)	Vanadium V (ug/l)
TCAAP GW Action Criteria - ug/l (3)										700.00			1.00						20.00
01U139	(6)		09-Sep-94														IQS 021		
01U140		NC	07-Mar-94	F42						17.30			<1.00						<20.00
01U140	(6)		07-Mar-94							IQC 010			EOR 008						IQC 010
01U140		NC	09-Sep-94	F44													<30.90		
01U140	(6)		09-Sep-94														IQS 022		
01U141		48275	08-Mar-94	F42						14.20			<1.00						<20.00
01U141	(6)		08-Mar-94							IQB 008			EOP 009						IQB 008
01U141		208191	06-Sep-94	F44													<30.90		
01U141	(6)		06-Sep-94														IQR 011		
01U157		NC	10-Mar-94	F42						<13.00			<1.00						<20.00
01U157	(6)		10-Mar-94							IQC 014			EOR 012						IQC 014
01U157		106330	13-May-94	F43						22.40									
01U157	(4)	106330	13-May-94	F43						13.20									
01U157	(6)		13-May-94							IQJ 015									
01U157	(6)		13-May-94							IQJ 019									
01U157		NC	09-Sep-94	F44													<30.90		
01U157	(6)		09-Sep-94														IQT 005		
01U158		48771	10-Mar-94	F42						<13.00			<1.00						<20.00
01U158	(6)		10-Mar-94							IQE 008			EOY 009						IQE 008
01U158			13-May-94	F43						112.00									
01U158		106330	13-May-94	F43						16.30									
01U158	(4)		13-May-94	F43															
01U158	(6)		13-May-94							ZN									
01U158	(6)		13-May-94							IQJ 014									
01U158	(6)		13-May-94							IQJ 016									
01U158	(6)		13-May-94																
01U158		NC	09-Sep-94	F44													<30.90		
01U158	(6)		09-Sep-94														IQS 024		
01U350			20-Oct-92	F37	14.30	51.40				25.40									
01U350			03-Nov-92	F37	19.30	76.20				19.30									
01U350			01-Dec-92	F37	82.50	100.00				24.40									
01U350			05-Jan-93	F38	16.50	33.20				37.60									
01U350			02-Feb-93	F38	32.40	33.20				32.60									
01U350			02-Mar-93	F38	15.50	17.50				40.70									
01U350			19-Apr-93	F39	11.00	24.50				47.80									
01U350			07-May-93	F39	<10.30	24.50				46.80									
01U350			01-Jun-93	F39	<10.30	31.20				25.40									
01U350	(4)		01-Jun-93	F39															
01U350			22-Jul-93	F40	14.20	10.90				433.00									

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TCAAP Groundwater Quality Data (Inorganics) - (1)

Well		Trip Blank Lab #	Date	Qtr (2)	Silver AG (ug/l)	Arsenic AS (ug/l)	Barium BA (ug/l)	Beryllium BE (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Manganese MN (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Antimony SB (ug/l)	Selenium SE (ug/l)	Thallium TL (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Nitrate NIT (ug/l)
TCAAP GW Action Criteria - ug/l (3)					0.09	0.20	1000.00	0.08	4.00	50.00	1.00		70.00	5.00	1.00	10.00	0.30	1.00	100.00	
01U350			16-Aug-93	F40		<6.01	130.00		<5.00	<15.00			<5.32	<1.26						1100.00
01U350			14-Sep-93	F40		<6.01	143.00		<5.00	<15.00			<5.32	1.44						1100.00
01U350		NC	27-Oct-93	F41		<6.01	128.00		<5.00	<15.00			<5.32	<1.26						1100.00
01U350	(6)		27-Oct-93			JAK 004	IFN 004		IFN 004	IFN 004			GPQ 004	JBJ 004						IAP 004
01U350		NC	09-Dec-93	F41		<6.01	110.00		<5.00	<15.00			<5.32	7.14						1100.00
01U350	(6)		09-Dec-93			JAL 004	IFS 004		IFS 004	IFS 004			GPR 004	JBK 004						IAQ 004
01U350	(5)	13234	27-Jan-94	F42		<12.00	109.00		<5.00	<15.00			<5.00	15.50						1200.00
01U350	(6)		27-Jan-94			EAS 002	IFX 004		IFX 004	IFX 004			EJY 002	EBS 002						IAU 004
01U350		29327	15-Feb-94	F42		<3.00	118.00		<5.00	<15.00			<5.00	25.80						1100.00
01U350	(6)		15-Feb-94			EAV 005	IFZ 004		IFZ 004	IFZ 004			EOJ 002	EBV 002						IAU 008
01U350		53384	15-Mar-94	F42		<3.00	83.70		<5.00	<15.00			<5.00	<4.00				<0.74		1100.00
01U350	(6)		15-Mar-94			EAZ 010	IQE 013		IQE 013	IQE 013			EOX 011	EQA 011				IJN 014		IAX 008
01U350		83402	21-Apr-94	F43		<3.00	73.60		<5.00	<15.00			<5.00	4.68						
01U350	(6)		21-Apr-94			ESH 002	IQH 004		IQH 004	IQH 004			EVA 003	EQD 003						
01U350		124044	08-Jun-94	F43		<3.00	88.70		<5.00	<15.00			<5.00	<4.00						
01U350	(6)		08-Jun-94			ESN 002	IQK 005		IQK 005	IQK 005			EXA 002	EQG 002						
01U350		208191	07-Sep-94	F44	<12.50						<20.00	166.00			<37.10	<75.00	<100.00			
01U350	(6)		07-Sep-94		IQP 010						IQP 010	IQP 010			IQP 010	IQP 010	IQP 010			
01U351		NC	11-Mar-94	F42		3.19	37.30		<5.00	<15.00			<5.00	<4.00				<0.74		
01U351	(6)		11-Mar-94			EAY 017	IQC 019		IQC 019	IQC 019			EOS 017	EBY 017				IJM 019		
01U351		106330	13-May-94	F43		<3.00	38.30		<5.00	<15.00	93.40		20.10	76.00				<0.74	<8.17	
01U351	(6)		13-May-94			ESM 003	IQJ 004		IQJ 004	IQJ 004	IQJ 004		EWB 003	EQF 003				IJQ 004	IMG 004	
01U351		125210	09-Jun-94	F43	<13.00	<3.00	47.40	<2.50	<5.00	<15.00	20.10	189.00	<5.00	<4.00	<37.10	<75.00	<100.00	<0.74		
01U351	(6)		09-Jun-94		IQKK 004	ESN 006	IQK 007	IQK 007	IQK 007	IQK 007	IQK 007	IQKK 004	EXA 006	EQG 006	IQK 007	IQK 007	IQK 007	IJR 004		
01U351		144800	06-Jul-94	F44	<13.00	<62.90	47.40	<2.50	<5.00	<15.00	<20.00	244.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U351	(6)		06-Jul-94		IQL 007	IQL 007	IQL 007	IQL 007	IQL 007	IQL 007	IQL 007	IQL 007	IQL 007	IQL 007	IQL 007	IQL 007	IQL 007	IJS 004		
01U351		172073	03-Aug-94	F44	<13.00	<62.90	51.40	<2.50	<5.00	<15.00	<20.00	280.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U351	(6)		03-Aug-94		IQM 004	IQM 004	IQM 004	IQM 004	IQM 004	IQM 004	IQM 004	IQM 004	IQM 004	IQM 004	IQM 004	IQM 004	IQM 004	IJT 005		
01U351		207160	07-Sep-94	F44	<12.50	<62.90	65.50	<2.50	<5.00	<15.00	<20.00	333.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U351		208191	07-Sep-94	F44																
01U351	(6)		07-Sep-94		IQP 021	IQP 021	IQP 021	IQP 021	IQP 021	IQP 021	IQP 021	IQP 021	IQP 021	IQP 021	IQP 021	IQP 021	IQP 021	IJV 004		
01U351	(6)		07-Sep-94																	
01U351			10-Oct-94	F45	<12.50	<62.90	63.50	<2.50	<5.00	<15.00	<20.00	325.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U351			10-Oct-94		IQU 004	IQU 004	IQU 004	IQU 004	IQU 004	IQU 004	IQU 004	IQU 004	IQU 004	IQU 004	IQU 004	IQU 004	IQU 004	IJX 004		
01U351			08-Nov-94	F45	<12.50	<62.90	63.50	<2.50	<5.00	<15.00	<20.00	340.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U351			08-Nov-94		IQV 005	IQV 005	IQV 005	IQV 005	IQV 005	IQV 005	IQV 005	IQV 005	IQV 005	IQV 005	IQV 005	IQV 005	IQV 005	IJY 005		
01U351			05-Dec-94	F45	<62.90	<2.50	56.90	<5.00	<15.00	<120.00	<1250.00	273.00	<37.10	<75.00	<100.00	<20.00	<13.00	<0.74		
01U351			05-Dec-94		IQW 005	IQW 005	IQW 005	IQW 005	IQW 005	IQW 005	IQW 005	IQW 005	IQW 005	IQW 005	IQW 005	IQW 005	IQW 005	IJZ 005		
01U351			17-Jan-95	F46	<12.50	<62.90	53.40	<2.50	<5.00	<15.00	<20.00	218.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U351			17-Jan-95		IQX 005	IQX 005	IQX 005	IQX 005	IQX 005	IQX 005	IQX 005	IQX 005	IQX 005	IQX 005	IQX 005	IQX 005	IQX 005	JDA 004		
01U351			08-Feb-95	F46	<1.93				<0.10	<2.18	15.20		<5.94	<2.65				<0.70		
01U351			08-Feb-95		DPY 013				DPS 014	DPT 014	DPU 016		DPW 014	DPV 007				DQC 008		
01U351			03-Mar-95	F46								347.00					<2.70	<0.70		

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TCAAP Groundwater Quality Data (Inorganics) - (1)

Well		Trip Blank Lab #	Date	Qtr (2)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMMAS (pC/l)	Zinc ZN (ug/l)	luminum AL (ug/l)	Calcium CA (ug/l)	Cobalt CO (ug/l)	Iron FE (ug/l)	Potassium K (ug/l)	Magnesium MG (ug/l)	Molybdenum MO (ug/l)	Sodium NA (ug/l)	Vanadium V (ug/l)
TCAAP GW Action Criteria - ug/l (3)										700.00			1.00						20.00
01U350			16-Aug-93	F40	21.30	19.90				37.60									
01U350			14-Sep-93	F40	46.50	81.20				99.70									
01U350		NC	27-Oct-93	F41	15.70	35.30				44.80									
01U350	(6)		27-Oct-93		IIJ 004	GXW 004				IFN 004									
01U350		NC	09-Dec-93	F41	24.30	35.00				446.00									
01U350	(6)		09-Dec-93		IIL 004	GXX 004				IFS 004									
01U350	(5)	13234	27-Jan-94	F42	20.20	28.60				49.80									
01U350	(6)		27-Jan-94		IIO 004	GXZ 004				IFX 004									
01U350		29327	15-Feb-94	F42	23.30	58.70				207.00									
01U350	(6)		15-Feb-94		IIQ 004	ISA 004				IFZ 004									
01U350		53384	15-Mar-94	F42	28.90	50.40				16.30			<1.00						<20.00
01U350	(6)		15-Mar-94		IIS 008	ISB 007				IQE 013			EOY 011						IQE 013
01U350		83402	21-Apr-94	F43	13.20	40.60				35.60									
01U350	(6)		21-Apr-94		IIU 004	ISD 004				IQH 004									
01U350		124044	08-Jun-94	F43															
01U350	(6)		08-Jun-94																
01U350		208191	07-Sep-94	F44													<30.90		
01U350	(6)		07-Sep-94														IQP 010		
01U351		NC	11-Mar-94	F42						<13.00			<1.00						<20.00
01U351	(6)		11-Mar-94							IQC 019			EOR 017						IQC 019
01U351		106330	13-May-94	F43						3300.00									
01U351	(6)		13-May-94																
01U351		125210	09-Jun-94	F43						162.00									
01U351	(6)		09-Jun-94							IQK 007									
01U351		144800	06-Jul-94	F44						71.20									
01U351	(6)		06-Jul-94							IQL 007									
01U351		172073	03-Aug-94	F44						60.00									
01U351	(6)		03-Aug-94							IQM 004									
01U351		207160	07-Sep-94	F44						36.60									
01U351		208191	07-Sep-94	F44													<30.90		
01U351	(6)		07-Sep-94							IQP 021									
01U351	(6)		07-Sep-94														IQP 017		
01U351			10-Oct-94	F45						87.50									
01U351			10-Oct-94							IQU 004									
01U351			08-Nov-94	F45						B 75.30									
01U351			08-Nov-94							IQV 005									
01U351			05-Dec-94	F45						74.10									
01U351			05-Dec-94							IQW 005									
01U351			17-Jan-95	F46						B 48.80									
01U351			17-Jan-95							IQX 005									
01U351			08-Feb-95	F46						<29.40									
01U351			08-Feb-95							DQA 014									
01U351			03-Mar-95	F46						48.10									

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TCAAP Groundwater Quality Data (Inorganics) - (1)

Well	Trip Blank Lab #	Date	Qtr (2)	Silver AG (ug/l)	Arsenic AS (ug/l)	Barium BA (ug/l)	Beryllium BE (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Manganese MN (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Antimony SB (ug/l)	Selenium SE (ug/l)	Thallium TL (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Nitrate NIT (ug/l)
TCAAP GW Action Criteria - ug/l (3)				0.09	0.20	1000.00	0.08	4.00	50.00	1.00		70.00	5.00	1.00	10.00	0.30	1.00	100.00	
01U351		03-Mar-95									DRC 004					DRA 004	RD 006		
01U351		03-Apr-95	F47	<1.93	<4.81	100.00	<1.47	<0.10	<2.18	8.57	380.00	17.50	<2.65	<10.00	<3.06	<2.70	<0.70		
01U351		03-Apr-95		DSR 004	DSI 004	DSJ 004	DSK 004	DSL 004	DSM 004	DSN 004	DSU 004	DSP 004	DSO 004	DSH 004	DSQ 004	DSS 004	DSV 006		
01U351		08-May-95	F47	<1.93	<4.81	85.40	<1.47	0.10	5.23	7.63	385.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
01U351		08-May-95		DYK 004	YB 004	YC 004	YD 004	DYE 004	DYF 022	YG 020	DYN 004	DYI 020	YH 020	YA 013	DYJ 004	DYL 004	YO 006		
01U351		01-Jun-95	F47	<1.93	<4.81	71.50	<1.47	<0.10	<2.18	4.48	425.00	8.79	3.57	<10.00	<3.06	<2.70	<0.70		
01U351		01-Jun-95		ECV 014	CM 004	ECN 014	ECO 004	ECP 004	ECQ 009	ECR 004	ECY 004	ECT 004	ECS 004	ECL 009	ECU 014	CW 014	ECZ 011		
01U351		11-Jul-95	F48	<1.93	<4.81	111.00	<1.47	0.26	<2.18	4.80	445.00	<5.94	5.06	<10.00	<3.06	<2.70	<0.70		
01U351		11-Jul-95		EMW 004	MN 004	MO 004	EMP 004	MQ 021	EMR 021	EMS 004	EMZ 004	MU 021	MT 004	MM 021	MV 004	MX 004	ENA 011		
01U351		08-Aug-95	F48	<1.93	<4.81	85.30	<1.47	0.71	<2.18	2.94	460.00	8.69	6.33	<10.00	<3.06	<2.70	L <0.70		
01U351		08-Aug-95		ERY 004	ERP 004	ERQ 013	ERR 018	ERS 022	ERT 022	ERU 022	ESB 004	RW 022	ERV 052	ERO 022	ERX 004	ERZ 004	ESC 022		
01U351		07-Sep-95	F48	<1.93	<4.81	82.40	<15.00	0.50	<2.18	6.73	419.00	R <5.94	R 6.43	<10.00	R <3.06	<2.70	<0.70		
01U351		07-Sep-95		EVR 045	EVI 017	EVJ 041	EVK 114	EVL 017	EVM 006	EVN 140	EVU 004	EVP 055	EVO 041	EVH 012	EVQ 004	EVS 004	EVV 006		
01U352	NC	11-Mar-94	F42		<3.00	55.40		<5.00	<15.00			<5.00	<4.00				<0.74		
01U352 (6)		11-Mar-94			EAY 016	IQC 018		IQC 018	IQC 018			EOS 016	EBY 016				IJM 018		
01U352	106330	13-May-94	F43		<3.00	40.30		<5.00	<15.00	480.00		14.30	74.00				<0.74	<8.17	
01U352 (4)		13-May-94	F43														<0.74		
01U352 (6)		13-May-94			ESM 002	IQJ 007		IQJ 007	IQJ 007	IQJ 007		EWB 002	EQF 002				IJQ 005	IMG 007	
01U352 (6)		13-May-94															IJQ 006		
01U352	125210	09-Jun-94	F43	<13.00	<3.00	117.00	<2.50	<5.00	<15.00	20.10	498.00	<5.00	11.60	<37.10	<75.00	<100.00	<0.74		
01U352 (6)		09-Jun-94		IQKK 007	ESN 007	IQK 010	IQK 010	IQK 010	IQK 010	IQK 010	IQKK 007	EXA 003	EQG 003	IQK 010	IQK 010	IQK 010	IJR 005		
01U352	144800	06-Jul-94	F44	<13.00	<62.90	134.00	<2.50	<5.00	<15.00	<20.00	436.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U352 (6)		06-Jul-94		IQL 008	IQL 008	IQL 008	IQL 008	IQL 008	IQL 008	IQL 008	IQL 008	IQL 008	IQL 008	IQL 008	IQL 008	IQL 008	IJS 007		
01U352	172073	03-Aug-94	F44	<13.00	<62.90	99.80	<2.50	<5.00	<15.00	<20.00	427.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U352 (6)		03-Aug-94		IQM 005	IQM 005	IQM 005	IQM 005	IQM 005	IQM 005	IQM 005	IQM 005	IQM 005	IQM 005	IQM 005	IQM 005	IQM 005	IJT 006		
01U352	207160	07-Sep-94	F44	<12.50	<62.90	101.00	<2.50	<5.00	<15.00	<20.00	400.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U352	208191	07-Sep-94	F44																
01U352	208191	07-Sep-94	F44																
01U352 (6)		07-Sep-94		IQP 022	IQP 022	IQP 022	IQP 022	IQP 022	IQP 022	IQP 022	IQP 022	IQP 022	IQP 022	IQP 022	IQP 022	IQP 022	IJV 005		
01U352 (6)		07-Sep-94																	
01U352 (6)		07-Sep-94																	
01U352		10-Oct-94	F45	<12.50	<62.90	80.60	<2.50	<5.00	<15.00	<20.00	241.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U352		10-Oct-94		IQU 005	IQU 005	IQU 005	IQU 005	IQU 005	IQU 005	IQU 005	IQU 005	IQU 005	IQU 005	IQU 005	IQU 005	IQU 005	IJX 005		
01U352		08-Nov-94	F45	<12.50	<62.90	114.00	<2.50	<5.00	<15.00	<20.00	450.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U352		08-Nov-94		IQV 006	IQV 006	IQV 006	IQV 006	IQV 006	IQV 006	IQV 006	IQV 006	IQV 006	IQV 006	IQV 006	IQV 006	IQV 006	IJY 006		
01U352		05-Dec-94	F45	<62.90	<2.50	114.00	<5.00	<15.00	<120.00	<1250.00	440.00	<37.10	<75.00	<100.00	<20.00	<13.00	<0.74		
01U352		05-Dec-94		IQW 008	IQW 008	IQW 008	IQW 008	IQW 008	IQW 008	IQW 008	IQW 008	IQW 008	IQW 008	IQW 008	IQW 008	IQW 008	IJZ 006		
01U352		17-Jan-95	F46	<12.50	<62.90	87.70	<2.50	<5.00	<15.00	<20.00	57.20	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U352		17-Jan-95		IQX 008	IQX 008	IQX 008	IQX 008	IQX 008	IQX 008	IQX 008	IQX 008	IQX 008	IQX 008	IQX 008	IQX 008	IQX 008	JDA 005		
01U352		03-Mar-95	F46								482.00					2.70	<0.70		
01U352		03-Mar-95									DRC 005					DRA 005	RD 007		
01U352		01-Jun-95	F47	<1.93	<4.81	148.00	<1.47	<0.10	3.59	4.56	411.00	24.10	<2.65	<10.00	<3.06	<2.70	<0.70		
01U352		01-Jun-95		ECV 015	CM 005	ECN 015	ECO 005	ECP 005	ECQ 010	ECR 005	ECY 005	ECT 005	ECS 005	ECL 010	ECU 015	CW 015	ECZ 012		

TABLE II - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well	Trip Blank Lab #	Date	Qtr (2)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMMAS (pC/l)	Zinc ZN (ug/l)	luminum AL (ug/l)	Calcium CA (ug/l)	Cobalt CO (ug/l)	Iron FE (ug/l)	Potassium K (ug/l)	Magnesium MG (ug/l)	Molybdenum MO (ug/l)	Sodium NA (ug/l)	Vanadium V (ug/l)
TCAAP GW Action Criteria - ug/l (3)									700.00			1.00						20.00
01U351		03-Mar-95							DRB 004									
01U351		03-Apr-95	F47						51.10									
01U351		03-Apr-95							DST 004									
01U351		08-May-95	F47						43.10									
01U351		08-May-95							DYM 020									
01U351		01-Jun-95	F47						65.10									
01U351		01-Jun-95							ECX 004									
01U351		11-Jul-95	F48						160.00									
01U351		11-Jul-95							EMY 004									
01U351		08-Aug-95	F48						143.00									
01U351		08-Aug-95							ESA 018									
01U351		07-Sep-95	F48						R 156.00									
01U351		07-Sep-95							EVT 027									
01U352	NC	11-Mar-94	F42						15.30			<1.00						<20.00
01U352	(6)	11-Mar-94							IQC 018			EOR 016						IQC 018
01U352	106330	13-May-94	F43						3520.00									
01U352	(4)	13-May-94	F43															
01U352	(6)	13-May-94							IQJ 007									
01U352	(6)	13-May-94																
01U352	125210	09-Jun-94	F43						349.00									
01U352	(6)	09-Jun-94							IQK 010									
01U352	144800	06-Jul-94	F44						589.00									
01U352	(6)	06-Jul-94							IQL 008									
01U352	172073	03-Aug-94	F44						69.20									
01U352	(6)	03-Aug-94							IQM 005									
01U352	207160	07-Sep-94	F44						45.80									
01U352	208191	07-Sep-94	F44													<30.90		
01U352	208191	07-Sep-94	F44													<30.90		
01U352	(6)	07-Sep-94							IQP 022									
01U352	(6)	07-Sep-94														IQP 016		
01U352	(6)	07-Sep-94														IQR 014		
01U352		10-Oct-94	F45						84.40									
01U352		10-Oct-94							IQU 005									
01U352		08-Nov-94	F45						B 62.10									
01U352		08-Nov-94							IQV 006									
01U352		05-Dec-94	F45						51.10									
01U352		05-Dec-94							IQW 008									
01U352		17-Jan-95	F46						B 138.00									
01U352		17-Jan-95							IQX 008									
01U352		03-Mar-95	F46						58.10									
01U352		03-Mar-95							DRB 005									
01U352		01-Jun-95	F47						53.10									
01U352		01-Jun-95							ECX 005									

TABLE II - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well	Trip Blank Lab #	Date	Qtr (2)	Silver AG (ug/l)	Arsenic AS (ug/l)	Barium BA (ug/l)	Beryllium BE (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Manganese MN (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Antimony SB (ug/l)	Selenium SE (ug/l)	Thallium TL (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Nitrate NIT (ug/l)
TCAAP GW Action Criteria - ug/l (3)				0.09	0.20	1000.00	0.08	4.00	50.00	1.00		70.00	5.00	1.00	10.00	0.30	1.00	100.00	
01U352		11-Jul-95	F48	<1.93	<4.81	68.10	<1.47	0.34	<2.18	17.00	117.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
01U352		11-Jul-95		EMW 005	MN 005	MO 005	EMP 005	MQ 022	EMR 022	EMS 005	EMZ 005	MU 022	MT 005	MM 022	MV 005	MX 005	ENA 012		
01U352		08-Aug-95	F48	<1.93	<4.81	125.00	<1.47	0.68	<2.18	18.30	152.00	6.74	<2.65	<10.00	<3.06	<2.70	L <0.70		
01U352		08-Aug-95		ERY 005	ERP 005	ERQ 015	ERR 019	ERS 023	ERT 023	ERU 023	ESB 005	RW 023	ERV 054	ERO 023	ERX 005	ERZ 005	ESC 023		
01U352		07-Sep-95	F48	<1.93	<4.81	78.40	<15.00	0.22	<2.18	32.00	37.50	R 9.01	R <2.65	<10.00	R <3.06	<2.70	<0.70		
01U352		07-Sep-95		EVR 047	EVI 020	EVJ 043	EVK 116	EVL 019	EVM 007	EVN 143	EVU 005	EVP 058	EVO 043	EVH 014	EVQ 005	EVS 005	EVV 007		
01U353	NC	11-Mar-94	F42		<3.00	60.50		<5.00	<15.00			<5.00	<4.00				<0.74		
01U353	(6)	11-Mar-94			EAY 015	IQC 017		IQC 017	IQC 017			EOS 015	EBY 015				IJM 017		
01U353	106330	13-May-94	F43		<3.00	64.50		<5.00	<15.00	82.30		<5.00	6.40				<0.74	<8.17	
01U353	(6)	13-May-94			ESM 006	IQJ 008		IQJ 008	IQJ 008	IQJ 008		EWB 006	EQF 006				IJQ 007	IMG 008	
01U353	125210	09-Jun-94	F43	<13.00	<3.00	103.00	<2.50	<5.00	<15.00	<20.00	644.00	<5.00	<4.00	<37.10	<75.00	<100.00	<0.74		
01U353	(6)	09-Jun-94		IQKK 008	ESN 003	IQK 011	IQK 011	IQK 011	IQK 011	IQK 011	IQKK 008	EXA 007	EQG 007	IQK 011	IQK 011	IQK 011	IJR 006		
01U353	144800	06-Jul-94	F44	<13.00	<62.90	110.00	<2.50	<5.00	<15.00	<20.00	682.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U353	(6)	06-Jul-94		IQL 009	IQL 009	IQL 009	IQL 009	IQL 009	IQL 009	IQL 009	IQL 009	IQL 009	IQL 009	IQL 009	IQL 009	IQL 009	IJS 008		
01U353	172073	03-Aug-94	F44	16.30	<62.90	99.80	<2.50	<5.00	<15.00	<20.00	660.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U353	(6)	03-Aug-94		IQM 006	IQM 006	IQM 006	IQM 006	IQM 006	IQM 006	IQM 006	IQM 006	IQM 006	IQM 006	IQM 006	IQM 006	IQM 006	IJT 007		
01U353	207160	07-Sep-94	F44	<12.50	<62.90	122.00	<2.50	<5.00	<15.00	<20.00	690.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U353	208191	07-Sep-94	F44																
01U353	(6)	07-Sep-94		IQP 023	IQP 023	IQP 023	IQP 023	IQP 023	IQP 023	IQP 023	IQP 023	IQP 023	IQP 023	IQP 023	IQP 023	IQP 023	IJV 006		
01U353	(6)	07-Sep-94																	
01U353		10-Oct-94	F45	<12.50	<62.90	107.00	<2.50	<5.00	<15.00	<20.00	637.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U353		10-Oct-94		IQU 006	IQU 006	IQU 006	IQU 006	IQU 006	IQU 006	IQU 006	IQU 006	IQU 006	IQU 006	IQU 006	IQU 006	IQU 006	IJX 006		
01U353	D	10-Oct-94	F45	<12.50	<62.90	106.00	<2.50	<5.00	<15.00	<20.00	657.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U353	D	10-Oct-94		IQU 009	IQU 009	IQU 009	IQU 009	IQU 009	IQU 009	IQU 009	IQU 009	IQU 009	IQU 009	IQU 009	IQU 009	IQU 009	IJX 007		
01U353		08-Nov-94	F45	<12.50	<62.90	114.00	<2.50	<5.00	<15.00	<20.00	651.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U353		08-Nov-94		IQV 007	IQV 007	IQV 007	IQV 007	IQV 007	IQV 007	IQV 007	IQV 007	IQV 007	IQV 007	IQV 007	IQV 007	IQV 007	IJY 007		
01U353		05-Dec-94	F45	<62.90	<2.50	98.00	<5.00	<15.00	<120.00	<1250.00	614.00	<37.10	<75.00	<100.00	<20.00	<13.00	<0.74		
01U353		05-Dec-94		IQW 009	IQW 009	IQW 009	IQW 009	IQW 009	IQW 009	IQW 009	IQW 009	IQW 009	IQW 009	IQW 009	IQW 009	IQW 009	IJZ 007		
01U353		17-Jan-95	F46	<12.50	<62.90	113.00	<2.50	<5.00	<15.00	<20.00	689.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U353		17-Jan-95		IQX 009	IQX 009	IQX 009	IQX 009	IQX 009	IQX 009	IQX 009	IQX 009	IQX 009	IQX 009	IQX 009	IQX 009	IQX 009	JDA 006		
01U353		08-Feb-95	F46	<1.93				<0.10	<2.18	28.00		<5.94	2.73				<0.70		
01U353		08-Feb-95		DPY 014				DPS 015	DPT 015	DPU 017		DPW 015	DPV 008				DQC 009		
01U353		03-Mar-95	F46								755.00					<2.70	<0.70		
01U353		03-Mar-95									DRC 006					DRA 006	RD 008		
01U353		03-Apr-95	F47	<1.93	<4.81	169.00	<1.47	<0.10	<2.18	4.60	691.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
01U353		03-Apr-95		DSR 005	DSI 005	DSJ 005	DSK 005	DSL 005	DSM 005	DSN 005	DSU 005	DSP 005	DSO 005	DSH 005	DSQ 005	DSS 005	DSV 007		
01U353		08-May-95	F47	<1.93	<4.81	128.00	<1.47	<0.10	2.80	10.60	583.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
01U353		08-May-95		DYK 005	YB 005	YC 005	YD 005	DYE 005	DYF 023	YG 021	DYN 005	DYI 021	YH 021	YA 014	DYJ 005	DYL 005	YO 007		
01U353		01-Jun-95	F47	<1.93	<4.81	122.00	<1.47	<0.10	<2.18	5.49	569.00	19.50	3.23	<10.00	<3.06	<2.70	<0.70		
01U353		01-Jun-95		ECV 016	CM 006	ECN 016	ECO 006	ECP 006	ECQ 011	ECR 006	ECY 006	ECT 006	ECS 006	ECL 011	ECU 016	CW 016	ECZ 015		
01U353		11-Jul-95	F48	<1.93	<4.81	153.00	<1.47	0.25	<2.18	10.30	608.00	9.83	5.39	<10.00	<3.06	<2.70	<0.70		
01U353		11-Jul-95		EMW 006	MN 006	MO 006	EMP 006	MQ 023	EMR 023	EMS 006	EMZ 006	MU 023	MT 006	MM 023	MV 006	MX 006	ENA 015		
01U353		08-Aug-95	F48	<1.93	<4.81	61.80	<1.47	0.49	<2.18	4.81	176.00	<5.94	8.37	<10.00	<3.06	<2.70	L <0.70		

TABLE II - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well	Trip Blank	Lab #	Date	Qtr (2)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMMAS (pC/l)	Zinc ZN (ug/l)	luminum AL (ug/l)	Calcium CA (ug/l)	Cobalt CO (ug/l)	Iron FE (ug/l)	Potassium K (ug/l)	Magnesium MG (ug/l)	Molybdenum MO (ug/l)	Sodium NA (ug/l)	Vanadium V (ug/l)
TCAAP GW Action Criteria - ug/l (3)										700.00			1.00						20.00
01U352			11-Jul-95	F48						135.00									
01U352			11-Jul-95							EMY 005									
01U352			08-Aug-95	F48						230.00									
01U352			08-Aug-95							ESA 019									
01U352			07-Sep-95	F48						R 153.00									
01U352			07-Sep-95							EVT 029									
01U353		NC	11-Mar-94	F42						13.20			<1.00						<20.00
01U353	(6)		11-Mar-94							IQC 017			EOR 015						IQC 017
01U353		106330	13-May-94	F43						298.00									
01U353	(6)		13-May-94							IQJ 008									
01U353		125210	09-Jun-94	F43						60.00									
01U353	(6)		09-Jun-94							IQK 011									
01U353		144800	06-Jul-94	F44						42.70									
01U353	(6)		06-Jul-94							IQL 009									
01U353		172073	03-Aug-94	F44						44.80									
01U353	(6)		03-Aug-94							IQM 006									
01U353		207160	07-Sep-94	F44						40.70									
01U353		208191	07-Sep-94	F44													<30.90		
01U353	(6)		07-Sep-94							IQP 023									
01U353	(6)		07-Sep-94														IQP 015		
01U353			10-Oct-94	F45						108.00									
01U353			10-Oct-94							IQU 006									
01U353	D		10-Oct-94	F45						105.00									
01U353	D		10-Oct-94							IQU 009									
01U353			08-Nov-94	F45						B 77.30									
01U353			08-Nov-94							IQV 007									
01U353			05-Dec-94	F45						74.10									
01U353			05-Dec-94							IQW 009									
01U353			17-Jan-95	F46						B 80.40									
01U353			17-Jan-95							IQX 009									
01U353			08-Feb-95	F46						113.00									
01U353			08-Feb-95							DQA 015									
01U353			03-Mar-95	F46						<29.40									
01U353			03-Mar-95							DRB 006									
01U353			03-Apr-95	F47						41.10									
01U353			03-Apr-95							DST 005									
01U353			08-May-95	F47						38.10									
01U353			08-May-95							DYM 021									
01U353			01-Jun-95	F47						107.00									
01U353			01-Jun-95							ECX 006									
01U353			11-Jul-95	F48						116.00									
01U353			11-Jul-95							EMY 006									
01U353			08-Aug-95	F48						191.00									

TABLE H - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well		Trip Blank Lab #	Date	Qtr (2)	Silver AG (ug/l)	Arsenic AS (ug/l)	Barium BA (ug/l)	Beryllium BE (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Manganese MN (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Antimony SB (ug/l)	Selenium SE (ug/l)	Thallium TL (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Nitrate NIT (ug/l)
TCAAP GW Action Criteria - ug/l (3)					0.09	0.20	1000.00	0.08	4.00	50.00	1.00		70.00	5.00	1.00	10.00	0.30	1.00	100.00	
01U353			08-Aug-95		ERY 006	ERP 006	ERQ 017	ERR 020	ERS 024	ERT 024	ERU 024	ESB 006	RW 024	ERV 056	ERO 024	ERX 006	ERZ 006	ESC 024		
01U353			07-Sep-95	F48	<1.93	<4.81	88.20	<15.00	0.40	<2.18	1.98	546.00	R <5.94	R <2.65	<10.00	R <3.06	<2.70	<0.70		
01U353			07-Sep-95		EVR 051	EVI 021	EVJ 120	EVK 118	EVL 021	EVM 008	EVN 145	EVU 006	EVP 059	EVO 045	EVH 016	EVQ 006	EVS 006	EVV 008		
01U354		NC	10-Mar-94	F42		<3.00	35.30		<5.00	<15.00			<5.00	<4.00				<0.74		
01U354	(6)		10-Mar-94			EAY 014	IQC 016		IQC 016	IQC 016			EOS 014	EBY 014				IJM 016		
01U354		106330	13-May-94	F43		<3.00	98.80		<5.00	<15.00	707.00		10.40	86.00				<0.74	<8.17	
01U354	(4)		13-May-94	F43		<3.00	64.50		<5.00	<15.00	343.00		<5.00	31.90						
01U354	(6)		13-May-94			ESM 007	IQJ 009		IQJ 009	IQJ 009	IQJ 009		EWB 007	EQF 007				IJQ 008	IMG 009	
01U354	(6)		13-May-94			ESM 008	IQJ 010		IQJ 010	IQJ 010	IQJ 010		EWB 008	EQF 008						
01U354		125210	09-Jun-94	F43	<13.00	4.29	29.20	<2.50	<5.00	<15.00	<20.00	279.00	<5.00	<4.00	<37.10	<75.00	<100.00	<0.74		
01U354	(6)		09-Jun-94		IQKK 009	ESN 008	IQK 012	IQK 012	IQK 012	IQK 012	IQK 012	IQKK 009	EXA 008	EQG 008	IQK 012	IQK 012	IQK 012	IJR 007		
01U354		144800	06-Jul-94	F44	<13.00	<62.90	40.30	<2.50	<5.00	<15.00	<20.00	244.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U354	(6)		06-Jul-94		IQL 010	IQL 010	IQL 010	IQL 010	IQL 010	IQL 010	IQL 010	IQL 010	IQL 010	IQL 010	IQL 010	IQL 010	IQL 010	IJS 009		
01U354		172073	03-Aug-94	F44	<13.00	<62.90	38.30	<2.50	<5.00	<15.00	<20.00	237.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U354	(6)		03-Aug-94		IQM 009	IQM 009	IQM 009	IQM 009	IQM 009	IQM 009	IQM 009	IQM 009	IQM 009	IQM 009	IQM 009	IQM 009	IQM 009	IJT 008		
01U354		207160	07-Sep-94	F44	<12.50	<62.90	44.40	<2.50	<5.00	<15.00	<20.00	253.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U354		208191	07-Sep-94	F44																
01U354		208191	07-Sep-94	F44																
01U354	(6)		07-Sep-94		IQP 024	IQP 024	IQP 024	IQP 024	IQP 024	IQP 024	IQP 024	IQP 024	IQP 024	IQP 024	IQP 024	IQP 024	IQP 024	IJV 007		
01U354	(6)		07-Sep-94																	
01U354	(6)		07-Sep-94																	
01U354			10-Oct-94	F45	<12.50	<62.90	40.30	<2.50	<5.00	<15.00	<20.00	245.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U354			10-Oct-94		IQU 010	IQU 010	IQU 010	IQU 010	IQU 010	IQU 010	IQU 010	IQU 010	IQU 010	IQU 010	IQU 010	IQU 010	IQU 010	IJX 010		
01U354			08-Nov-94	F45	<12.50	<62.90	42.30	<2.50	<5.00	<15.00	<20.00	264.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U354			08-Nov-94		IQV 008	IQV 008	IQV 008	IQV 008	IQV 008	IQV 008	IQV 008	IQV 008	IQV 008	IQV 008	IQV 008	IQV 008	IQV 008	IJY 008		
01U354			05-Dec-94	F45	<62.90	<2.50	36.30	<5.00	<15.00	<120.00	<1250.00	247.00	<37.10	<75.00	<100.00	<20.00	<13.00	<0.74		
01U354			05-Dec-94		IQW 010	IQW 010	IQW 010	IQW 010	IQW 010	IQW 010	IQW 010	IQW 010	IQW 010	IQW 010	IQW 010	IQW 010	IQW 010	IJZ 010		
01U354	D		05-Dec-94	F45	<62.90	<2.50	37.30	<5.00	<15.00	<120.00	<1250.00	244.00	<37.10	<75.00	<100.00	<20.00	<13.00	<0.74		
01U354	D		05-Dec-94		IQW 011	IQW 011	IQW 011	IQW 011	IQW 011	IQW 011	IQW 011	IQW 011	IQW 011	IQW 011	IQW 011	IQW 011	IQW 011	IJZ 011		
01U354			17-Jan-95	F46	<12.50	<62.90	42.30	<2.50	<5.00	<15.00	<20.00	256.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U354			17-Jan-95		IQX 010	IQX 010	IQX 010	IQX 010	IQX 010	IQX 010	IQX 010	IQX 010	IQX 010	IQX 010	IQX 010	IQX 010	IQX 010	JDA 007		
01U354			08-Feb-95	F46	<1.93				<0.10	<2.18	25.00		<5.94	<2.65				<0.70		
01U354			08-Feb-95		DPY 015				DPS 016	DPT 016	DPU 018		DPW 016	DPV 009				DQC 010		
01U354			03-Mar-95	F46								295.00					<2.70	<0.70		
01U354			03-Mar-95									DRC 007					DRA 007	RD 009		
01U354			03-Apr-95	F47	<1.93	<4.81	69.70	<1.47	<0.10	<2.18	12.60	266.00	<5.94	4.67	<10.00	<3.06	<2.70	<0.70		
01U354			03-Apr-95		DSR 006	DSI 006	DSJ 006	DSK 006	DSL 006	DSM 006	DSN 006	DSU 006	DSP 006	DSO 006	DSH 006	DSQ 006	DSS 006	DSV 008		
01U354			08-May-95	F47	<1.93	<4.81	53.00	<1.47	<0.10	<2.18	4.06	267.00	<5.94	5.64	<10.00	<3.06	<2.70	<0.70		
01U354			08-May-95		DYK 006	YB 006	YC 006	YD 006	DYE 006	DYF 024	YG 022	DYN 006	DYI 022	YH 022	YA 015	DYJ 006	DYL 006	YO 008		
01U354			01-Jun-95	F47	<1.93	<4.81	51.30	<1.47	<0.10	<2.18	4.05	228.00	6.57	7.04	<10.00	<3.06	<2.70	<0.70		
01U354			01-Jun-95		ECV 017	CM 007	ECN 017	ECO 007	ECP 007	ECQ 012	ECR 007	ECY 007	ECT 007	ECS 007	ECL 012	ECU 017	CW 017	ECZ 016		
01U354			11-Jul-95	F48	<1.93	<4.81	68.10	<1.47	0.55	<2.18	2.49	236.00	<5.94	9.76	<10.00	<3.06	<2.70	<0.70		
01U354			11-Jul-95		EMW 007	MN 007	MO 007	EMP 007	MQ 024	EMR 024	EMS 007	EMZ 007	MU 024	MT 007	MM 024	MV 007	MX 007	ENA 016		

TABLE II - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well	Trip Blank Lab #	Date	Qtr (2)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMMAS (pC/l)	Zinc ZN (ug/l)	luminum AL (ug/l)	Calcium CA (ug/l)	Cobalt CO (ug/l)	Iron FE (ug/l)	Potassium K (ug/l)	Magnesium MG (ug/l)	Molybdenum MO (ug/l)	Sodium NA (ug/l)	Vanadium V (ug/l)
TCAAP GW Action Criteria - ug/l (3)									700.00			1.00						20.00
01U353		08-Aug-95							ESA 020									
01U353		07-Sep-95	F48						R 202.00									
01U353		07-Sep-95							EVT 030									
01U354	NC	10-Mar-94	F42						<13.00			<1.00						<20.00
01U354	(6)	10-Mar-94							IQC 016			EOR 014						IQC 016
01U354	106330	13-May-94	F43						1460.00									
01U354	(4)	13-May-94	F43						439.00									
01U354	(6)	13-May-94							IQJ 009									
01U354	(6)	13-May-94							IQJ 010									
01U354	125210	09-Jun-94	F43						44.80									
01U354	(6)	09-Jun-94							IQK 012									
01U354	144800	06-Jul-94	F44						35.60									
01U354	(6)	06-Jul-94							IQL 010									
01U354	172073	03-Aug-94	F44						48.80									
01U354	(6)	03-Aug-94							IQM 009									
01U354	207160	07-Sep-94	F44						31.50									
01U354	208191	07-Sep-94	F44													<30.90		
01U354	208191	07-Sep-94	F44													<30.90		
01U354	(6)	07-Sep-94							IQP 024									
01U354	(6)	07-Sep-94														IQP 012		
01U354	(6)	07-Sep-94														IQR 013		
01U354		10-Oct-94	F45						47.80									
01U354		10-Oct-94							IQU 010									
01U354		08-Nov-94	F45						B 43.70									
01U354		08-Nov-94							IQV 008									
01U354		05-Dec-94	F45						37.00									
01U354		05-Dec-94							IQW 010									
01U354	D	05-Dec-94	F45						31.00									
01U354	D	05-Dec-94							IQW 011									
01U354		17-Jan-95	F46						B 47.80									
01U354		17-Jan-95							IQX 010									
01U354		08-Feb-95	F46						<29.40									
01U354		08-Feb-95							DQA 016									
01U354		03-Mar-95	F46						<29.40									
01U354		03-Mar-95							DRB 007									
01U354		03-Apr-95	F47						31.10									
01U354		03-Apr-95							DST 006									
01U354		08-May-95	F47						<29.40									
01U354		08-May-95							DYM 022									
01U354		01-Jun-95	F47						78.20									
01U354		01-Jun-95							ECX 007									
01U354		11-Jul-95	F48						150.00									
01U354		11-Jul-95							EMY 007									

TABLE II - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well	Trip Blank Lab #	Date	Qtr (2)	Silver AG (ug/l)	Arsenic AS (ug/l)	Barium BA (ug/l)	Beryllium BE (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Manganese MN (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Antimony SB (ug/l)	Selenium SE (ug/l)	Thallium TL (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Nitrate NIT (ug/l)
TCAAP GW Action Criteria - ug/l (3)				0.09	0.20	1000.00	0.08	4.00	50.00	1.00		70.00	5.00	1.00	10.00	0.30	1.00	100.00	
01U354		08-Aug-95	F48	<1.93	<4.81	118.00	<1.47	0.69	<2.18	0.89	582.00	<5.94	<2.65	<10.00	<3.06	<2.70	L <0.70		
01U354		08-Aug-95		ERY 007	ERP 007	ERQ 019	ERR 021	ERS 025	ERT 025	ERU 025	ESB 007	RW 025	ERV 060	ERO 025	ERX 007	ERZ 007	ESC 027		
01U354		07-Sep-95	F48	<1.93	<4.81	38.20	<15.00	<0.10	<2.18	61.00	53.30	R 6.63	R 3.98	<10.00	R <3.06	<2.70	<0.70		
01U354		07-Sep-95		EVR 053	EVI 022	EVJ 122	EVK 122	EVL 023	EVM 009	EVN 148	EVU 007	EVP 060	EVO 047	EVH 020	EVQ 007	EVS 007	EVV 009		
01U355	48771	10-Mar-94	F42		7.78	<20.00		<5.00	<15.00			<5.00	<4.00				<0.74		
01U355	(6)	10-Mar-94			EAZ 002	IQE 004		IQE 004	IQE 004			EOX 002	EQA 002				IJN 005		
01U355	106330	13-May-94	F43		5.84	<20.00		<5.00	<15.00	37.10		<5.00	<4.00				<0.74	<8.17	
01U355	(6)	13-May-94			ESM 009	IQJ 011		IQJ 011		IQJ 011		EWB 009	EQF 009				IJQ 009	IMG 010	
01U355	125210	09-Jun-94	F43	<13.00	<3.00	90.70	<2.50	<5.00	<15.00	<20.00	633.00	<5.00	<4.00	<37.10	<75.00	<100.00	<0.74		
01U355	(6)	09-Jun-94		IQKK 010	ESN 009	IQK 013	IQK 013	IQK 013	IQK 013	IQK 013	IQKK 010	EXA 009	EQG 009	IQK 013	IQK 013	IQK 013	IJR 008		
01U355	144800	06-Jul-94	F44	<13.00	<62.90	89.70	<2.50	<5.00	<15.00	24.10	580.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U355	(6)	06-Jul-94		IQL 011	IQL 011	IQL 011	IQL 011	IQL 011	IQL 011	IQL 011	IQL 011	IQL 011	IQL 011	IQL 011	IQL 011	IQL 011	IJS 010		
01U355	172073	03-Aug-94	F44	<13.00	<62.90	78.60	<2.50	<5.00	<15.00	<20.00	2050.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U355	(6)	03-Aug-94		IQM 010	IQM 010	IQM 010	IQM 010	IQM 010	IQM 010	IQM 010	IQM 010	IQM 010	IQM 010	IQM 010	IQM 010	IQM 010	IJT 009		
01U355	207160	07-Sep-94	F44	<12.50	<62.90	67.50	<2.50	<5.00	<15.00	<20.00	489.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U355	(6)	07-Sep-94		IQQ 004	IQQ 004	IQQ 004	IQQ 004	IQQ 004	IQQ 004	IQQ 004	IQQ 004	IQQ 004	IQQ 004	IQQ 004	IQQ 004	IQQ 004	IJV 010		
01U355		08-Sep-94	F44																
01U355		08-Sep-94	F44																
01U355	(6)	08-Sep-94																	
01U355	(6)	08-Sep-94																	
01U355		10-Oct-94	F45	<12.50	<62.90	67.50	<2.50	<5.00	<15.00	<20.00	514.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U355		10-Oct-94		IQU 011	IQU 011	IQU 011	IQU 011	IQU 011	IQU 011	IQU 011	IQU 011	IQU 011	IQU 011	IQU 011	IQU 011	IQU 011	IJX 011		
01U355		08-Nov-94	F45	<12.50	<62.90	77.60	<2.50	<5.00	<15.00	<20.00	537.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U355		08-Nov-94		IQV 009	IQV 009	IQV 009	IQV 009	IQV 009	IQV 009	IQV 009	IQV 009	IQV 009	IQV 009	IQV 009	IQV 009	IQV 009	IJY 011		
01U355		05-Dec-94	F45	<62.90	<2.50	70.60	<5.00	<15.00	<120.00	<1250.00	525.00	<37.10	<75.00	<100.00	<20.00	<13.00	<0.74		
01U355		05-Dec-94		IQW 012	IQW 012	IQW 012	IQW 012	IQW 012	IQW 012	IQW 012	IQW 012	IQW 012	IQW 012	IQW 012	IQW 012	IQW 012	IJZ 012		
01U355		17-Jan-95	F46	<12.50	<62.90	72.60	<2.50	<5.00	<15.00	<20.00	534.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U355		17-Jan-95		IQX 011	IQX 011	IQX 011	IQX 011	IQX 011	IQX 011	IQX 011	IQX 011	IQX 011	IQX 011	IQX 011	IQX 011	IQX 011	JDA 008		
01U355		08-Feb-95	F46	<1.93				<0.10	<2.18	12.50		<5.94	<2.65				<0.70		
01U355		08-Feb-95		DPY 017				DPS 018	DPT 018	DPU 020		DPW 018	DPV 011				DQC 012		
01U355		03-Mar-95	F46								521.00					<2.70	<0.70		
01U355		03-Mar-95									DRC 008					DRA 008	RD 010		
01U355		03-Apr-95	F47	<1.93	<4.81	109.00	<1.47	<0.10	<2.18	15.20	527.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
01U355		03-Apr-95		DSR 008	DSI 008	DSJ 008	DSK 008	DSL 008	DSM 008	DSN 008	DSU 008	DSP 008	DSO 008	DSH 008	DSQ 008	DSS 008	DSV 010		
01U355		08-May-95	F47	<1.93	<4.81	95.50	<1.47	<0.10	<2.18	4.82	523.00	<5.94	3.80	<10.00	<3.06	<2.70	<0.70		
01U355		08-May-95		DYK 008	YB 008	YC 008	YD 008	DYE 008	DYF 026	YG 024	DYN 008	DYI 024	YH 024	YA 017	DYJ 008	DYL 008	YO 010		
01U355		01-Jun-95	F47	<1.93	<4.81	97.60	<1.47	<0.10	<2.18	2.31	497.00	9.13	<2.65	<10.00	<3.06	<2.70	<0.70		
01U355		01-Jun-95		ECV 018	CM 008	ECN 018	ECO 008	ECP 008	ECQ 013	ECR 008	ECY 008	ECT 008	ECS 008	ECL 013	ECU 018	CW 018	ECZ 017		
01U355		11-Jul-95	F48	<1.93	<4.81	104.00	<1.47	0.17	<2.18	3.83	468.00	8.17	<2.65	<10.00	<3.06	<2.70	<0.70		
01U355		11-Jul-95		EMW 008	MN 008	MO 008	EMP 008	MQ 025	EMR 025	EMS 008	EMZ 008	MU 025	MT 008	MM 025	MV 008	MX 008	ENA 017		
01U355		08-Aug-95	F48	<1.93	<4.81	77.50	<1.47	0.50	<2.18	3.46	407.00	<5.94	<2.65	<10.00	<3.06	<2.70	L <0.70		
01U355		08-Aug-95		ERY 008	ERP 008	ERQ 023	ERR 022	ERS 026	ERT 026	ERU 026	ESB 008	RW 026	ERV 062	ERO 026	ERX 008	ERZ 008	ESC 028		
01U355		07-Sep-95	F48	<1.93	<4.81	63.70	<15.00	<0.10	<2.18	12.90	130.00	R 11.40	R 7.65	<10.00	R <3.06	<2.70	<0.70		

TABLE II - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well	Trip Blank Lab #	Date	Qtr (2)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMMAS (pC/l)	Zinc ZN (ug/l)	luminum AL (ug/l)	Calcium CA (ug/l)	Cobalt CO (ug/l)	Iron FE (ug/l)	Potassium K (ug/l)	Magnesium MG (ug/l)	Molybdenum MO (ug/l)	Sodium NA (ug/l)	Vanadium V (ug/l)
TCAAP GW Action Criteria - ug/l (3)									700.00			1.00						20.00
01U354		08-Aug-95	F48						118.00									
01U354		08-Aug-95							ESA 021									
01U354		07-Sep-95	F48						R 267.00									
01U354		07-Sep-95							EVT 031									
01U355	48771	10-Mar-94	F42						17.30			<1.00						<20.00
01U355 (6)		10-Mar-94							IQE 004			EOY 002						IQE 004
01U355	106330	13-May-94	F43						138.00									
01U355 (6)		13-May-94							IQJ 011			IQJ 011						
01U355	125210	09-Jun-94	F43						60.00									
01U355 (6)		09-Jun-94							IQK 013									
01U355	144800	06-Jul-94	F44						167.00									
01U355 (6)		06-Jul-94							IQL 011									
01U355	172073	03-Aug-94	F44						72.20									
01U355 (6)		03-Aug-94							IQM 010									
01U355	207160	07-Sep-94	F44						24.40									
01U355 (6)		07-Sep-94							IQQ 004									
01U355		08-Sep-94	F44													<30.90		
01U355		08-Sep-94	F44													<30.90		
01U355 (6)		08-Sep-94														IQS 010		
01U355 (6)		08-Sep-94														IQS 014		
01U355		10-Oct-94	F45						53.90									
01U355		10-Oct-94							IQU 011									
01U355		08-Nov-94	F45						B 45.80									
01U355		08-Nov-94							IQV 009									
01U355		05-Dec-94	F45						23.00									
01U355		05-Dec-94							IQW 012									
01U355		17-Jan-95	F46						B 33.60									
01U355		17-Jan-95							IQX 011									
01U355		08-Feb-95	F46						<29.40									
01U355		08-Feb-95							DQA 018									
01U355		03-Mar-95	F46						<29.40									
01U355		03-Mar-95							DRB 008									
01U355		03-Apr-95	F47						41.10									
01U355		03-Apr-95							DST 008									
01U355		08-May-95	F47						52.10									
01U355		08-May-95							DYM 024									
01U355		01-Jun-95	F47						<29.40									
01U355		01-Jun-95							ECX 008									
01U355		11-Jul-95	F48						63.10									
01U355		11-Jul-95							EMY 008									
01U355		08-Aug-95	F48						63.10									
01U355		08-Aug-95							ESA 022									
01U355		07-Sep-95	F48						R 180.00									

TABLE II - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well		Trip Blank Lab #	Date	Qtr (2)	Silver AG (ug/l)	Arsenic AS (ug/l)	Barium BA (ug/l)	Beryllium BE (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Manganese MN (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Antimony SB (ug/l)	Selenium SE (ug/l)	Thallium TL (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Nitrate NIT (ug/l)
TCAAP GW Action Criteria - ug/l (3)					0.09	0.20	1000.00	0.08	4.00	50.00	1.00		70.00	5.00	1.00	10.00	0.30	1.00	100.00	
01U355			07-Sep-95		EVR 055	EVI 023	EVJ 124	EVK 124	EVL 126	EVM 010	EVN 152	EVU 008	EVP 061	EVO 049	EVH 022	EVQ 008	EVS 008	EVV 010		
01U356		48771	10-Mar-94	F42		<3.00	57.50		<5.00	<15.00			<5.00	<4.00				<0.74		
01U356	(6)		10-Mar-94			EAZ 006	IQE 005		IQE 005	IQE 005			EOX 006	EQA 006				IJN 006		
01U356		106330	13-May-94	F43		<3.00	73.60		<5.00	<15.00	229.00		20.60	17.40				<0.74	<8.17	
01U356	(6)		13-May-94			ESM 010	IQJ 012		IQJ 012	IQJ 012	IQJ 012		EWB 010	EQF 010				IJQ 010	IMG 011	
01U356		125210	09-Jun-94	F43	<13.00	<3.00	74.60	<2.50	<5.00	<15.00	<20.00	569.00	<5.00	6.44	<37.10	<75.00	<100.00	<0.74		
01U356	(6)		09-Jun-94		IQKK 011	ESN 010	IQK 014	IQK 014	IQK 014	IQK 014	IQK 014	IQKK 011	EXA 010	EQG 010	IQK 014	IQK 014	IQK 014	IJR 009		
01U356		144800	06-Jul-94	F44	<13.00	<62.90	153.00	<2.50	<5.00	<15.00	23.10	503.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U356	(6)		06-Jul-94		IQL 012	IQL 012	IQL 012	IQL 012	IQL 012	IQL 012	IQL 012	IQL 012	IQL 012	IQL 012	IQL 012	IQL 012	IQL 012	IJS 011		
01U356		172073	03-Aug-94	F44	<13.00	<62.90	59.50	<2.50	<5.00	<15.00	<20.00	444.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U356	(6)		03-Aug-94		IQM 011	IQM 011	IQM 011	IQM 011	IQM 011	IQM 011	IQM 011	IQM 011	IQM 011	IQM 011	IQM 011	IQM 011	IQM 011	IJT 010		
01U356		207160	07-Sep-94	F44	<12.50	<62.90	54.40	<2.50	<5.00	<15.00	<20.00	419.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U356	(6)		07-Sep-94		IQQ 005	IQQ 005	IQQ 005	IQQ 005	IQQ 005	IQQ 005	IQQ 005	IQQ 005	IQQ 005	IQQ 005	IQQ 005	IQQ 005	IQQ 005	IJV 011		
01U356			08-Sep-94	F44																
01U356	(6)		08-Sep-94																	
01U356			10-Oct-94	F45	<12.50	<62.90	58.50	<2.50	<5.00	<15.00	<20.00	439.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U356			10-Oct-94		IQU 012	IQU 012	IQU 012	IQU 012	IQU 012	IQU 012	IQU 012	IQU 012	IQU 012	IQU 012	IQU 012	IQU 012	IQU 012	IJX 012		
01U356			08-Nov-94	F45	<12.50	<62.90	60.50	<2.50	<5.00	<15.00	<20.00	430.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U356			08-Nov-94		IQV 010	IQV 010	IQV 010	IQV 010	IQV 010	IQV 010	IQV 010	IQV 010	IQV 010	IQV 010	IQV 010	IQV 010	IQV 010	IJY 012		
01U356			05-Dec-94	F45	<62.90	<2.50	54.90	<5.00	<15.00	<120.00	<1250.00	381.00	<37.10	<75.00	<100.00	<20.00	<13.00	<0.74		
01U356			05-Dec-94		IQW 013	IQW 013	IQW 013	IQW 013	IQW 013	IQW 013	IQW 013	IQW 013	IQW 013	IQW 013	IQW 013	IQW 013	IQW 013	IJZ 013		
01U356			08-Feb-95	F46	<1.93				<0.10	<2.18	11.90		<5.94	<2.65				<0.70		
01U356			08-Feb-95		DPY 018				DPS 019	DPT 019	DPU 021		DPW 019	DPV 012				DQC 015		
01U356			03-Mar-95	F46								429.00					<2.70	<0.70		
01U356			03-Mar-95									DRC 009					DRA 009	RD 011		
01U356			03-Apr-95	F47	<1.93	<4.81	93.60	<1.47	0.16	<2.18	14.80	396.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
01U356			03-Apr-95		DSR 009	DSI 009	DSJ 009	DSK 009	DSL 009	DSM 009	DSN 009	DSU 009	DSP 009	DSO 009	DSH 009	DSQ 009	DSS 009	DSV 011		
01U356			08-May-95	F47	<1.93	<4.81	83.30	<1.47	0.25	<2.18	6.60	374.00	8.98	<2.65	<10.00	<3.06	<2.70	<0.70		
01U356			08-May-95		DYK 009	YB 009	YC 009	YD 009	DYE 009	DYF 027	YG 025	DYN 009	DYI 025	YH 025	YA 018	DYJ 009	DYL 009	YO 011		
01U356			01-Jun-95	F47	<1.93	<4.81	69.50	<1.47	<0.10	<2.18	4.29	358.00	9.46	<2.65	<10.00	<3.06	<2.70	<0.70		
01U356			01-Jun-95		ECV 019	CM 009	ECN 019	ECO 009	ECP 009	ECQ 014	ECR 009	ECY 009	ECT 009	ECS 009	ECL 014	ECU 019	CW 019	ECZ 018		
01U356			11-Jul-95	F48	<1.93	<4.81	97.70	<1.47	0.16	<2.18	1.17	372.00	7.16	7.64	<10.00	<3.06	<2.70	<0.70		
01U356			11-Jul-95		EMW 009	MN 009	MO 009	EMP 009	MQ 026	EMR 026	EMS 009	EMZ 009	MU 026	MT 009	MM 026	MV 009	MX 009	ENA 018		
01U356			08-Aug-95	F48	<1.93	<4.81	82.40	<1.47	0.72	<2.18	1.49	331.00	8.08	4.29	<10.00	<3.06	<2.70	L <0.70		
01U356			08-Aug-95		ERY 009	ERP 009	ERQ 025	ERR 023	ERS 027	ERT 027	ERU 027	ESB 009	RW 027	ERV 064	ERO 027	ERX 009	ERZ 009	ESC 029		
01U356			07-Sep-95	F48	<1.93	<4.81	58.80	<15.00	0.18	<2.18	6.83	250.00	R <5.94	R <2.65	<10.00	R <3.06	<2.70	<0.70		
01U356			07-Sep-95		EVR 057	EVI 024	EVJ 126	EVK 126	EVL 029	EVM 011	EVN 154	EVU 009	EVP 062	EVO 073	EVH 024	EVQ 009	EVS 009	EVV 011		
01U357		48771	10-Mar-94	F42		<3.00	25.20		<5.00	<15.00			<5.00	6.71				<0.74		
01U357	(6)		10-Mar-94			EAZ 007	IQE 006		IQE 006	IQE 006			EOX 007	EQA 007				IJN 007		
01U357		106330	13-May-94	F43		<3.00	36.30		<5.00	<15.00	46.20		<5.00	<4.00				<0.74	<8.17	
01U357	(6)		13-May-94			ESM 011	IQJ 013		IQJ 013		IQJ 013		EWB 011	EQF 011				IJQ 011	IMG 012	
01U357		125210	09-Jun-94	F43	<13.00	<3.00	61.50	<2.50	<5.00	<15.00	<20.00	256.00	<5.00	<4.00	<37.10	<75.00	<100.00	<0.74		

TABLE II - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well	Trip Blank	Lab #	Date	Qtr (2)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMMAS (pC/l)	Zinc ZN (ug/l)	luminum AL (ug/l)	Calcium CA (ug/l)	Cobalt CO (ug/l)	Iron FE (ug/l)	Potassium K (ug/l)	Magnesium MG (ug/l)	Molybdenum MO (ug/l)	Sodium NA (ug/l)	Vanadium V (ug/l)
TCAAP GW Action Criteria - ug/l (3)										700.00			1.00						20.00
01U355			07-Sep-95							EVT 032									
01U356		48771	10-Mar-94	F42						13.20			<1.00						<20.00
01U356	(6)		10-Mar-94							IQE 005			EOY 006						IQE 005
01U356		106330	13-May-94	F43						101.00									
01U356	(6)		13-May-94							IQJ 012									
01U356		125210	09-Jun-94	F43						23.40									
01U356	(6)		09-Jun-94							IQK 014									
01U356		144800	06-Jul-94	F44						426.00									
01U356	(6)		06-Jul-94							IQL 012									
01U356		172073	03-Aug-94	F44						30.50									
01U356	(6)		03-Aug-94							IQM 011									
01U356		207160	07-Sep-94	F44						18.30									
01U356	(6)		07-Sep-94							IQQ 005									
01U356			08-Sep-94	F44													<30.90		
01U356	(6)		08-Sep-94														IQS 011		
01U356			10-Oct-94	F45						49.80									
01U356			10-Oct-94							IQU 012									
01U356			08-Nov-94	F45						B 49.80									
01U356			08-Nov-94							IQV 010									
01U356			05-Dec-94	F45						211.00									
01U356			05-Dec-94							IQW 013									
01U356			08-Feb-95	F46						<29.40									
01U356			08-Feb-95							DQA 019									
01U356			03-Mar-95	F46						<29.40									
01U356			03-Mar-95							DRB 009									
01U356			03-Apr-95	F47						46.10									
01U356			03-Apr-95							DST 009									
01U356			08-May-95	F47						49.10									
01U356			08-May-95							DYM 025									
01U356			01-Jun-95	F47						178.00									
01U356			01-Jun-95							ECX 009									
01U356			11-Jul-95	F48						116.00									
01U356			11-Jul-95							EMY 009									
01U356			08-Aug-95	F48						149.00									
01U356			08-Aug-95							ESA 023									
01U356			07-Sep-95	F48						R 93.20									
01U356			07-Sep-95							EVT 033									
01U357		48771	10-Mar-94	F42						<13.00			<1.00						<20.00
01U357	(6)		10-Mar-94							IQE 006			EOY 007						IQE 006
01U357		106330	13-May-94	F43						29.50									
01U357	(6)		13-May-94							IQJ 013			IQJ 013						
01U357		125210	09-Jun-94	F43						26.40									

TABLE II - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well		Trip Blank Lab #	Date	Qtr (2)	Silver AG (ug/l)	Arsenic AS (ug/l)	Barium BA (ug/l)	Beryllium BE (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Manganese MN (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Antimony SB (ug/l)	Selenium SE (ug/l)	Thallium TL (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Nitrate NIT (ug/l)
TCAAP GW Action Criteria - ug/l (3)					0.09	0.20	1000.00	0.08	4.00	50.00	1.00		70.00	5.00	1.00	10.00	0.30	1.00	100.00	
01U357	(6)		09-Jun-94		IQKK 012	ESN 011	IQK 015	IQK 015	IQK 015	IQK 015	IQK 015	IQKK 012	EXA 011	EQG 011	IQK 015	IQK 015	IQK 015	IJR 010		
01U357		144800	06-Jul-94	F44	<13.00	<62.90	52.40	<2.50	<5.00	<15.00	<20.00	228.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U357	(6)		06-Jul-94		IQL 013	IQL 013	IQL 013	IQL 013	IQL 013	IQL 013	IQL 013	IQL 013	IQL 013	IQL 013	IQL 013	IQL 013	IQL 013	IJS 012		
01U357		172073	03-Aug-94	F44	<13.00	<62.90	41.30	<2.50	<5.00	<15.00	<20.00	227.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U357	(6)		03-Aug-94		IQM 012	IQM 012	IQM 012	IQM 012	IQM 012	IQM 012	IQM 012	IQM 012	IQM 012	IQM 012	IQM 012	IQM 012	IQM 012	IJT 011		
01U357		207160	07-Sep-94	F44	<12.50	<62.90	42.30	<2.50	<5.00	<15.00	<20.00	201.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U357	(6)		07-Sep-94		IQQ 006	IQQ 006	IQQ 006	IQQ 006	IQQ 006	IQQ 006	IQQ 006	IQQ 006	IQQ 006	IQQ 006	IQQ 006	IQQ 006	IQQ 006	IJV 012		
01U357			08-Sep-94	F44																
01U357			08-Sep-94	F44																
01U357	(6)		08-Sep-94																	
01U357	(6)		08-Sep-94																	
01U357			10-Oct-94	F45	<12.50	<62.90	43.30	<2.50	<5.00	<15.00	<20.00	179.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U357			10-Oct-94		IQU 013	IQU 013	IQU 013	IQU 013	IQU 013	IQU 013	IQU 013	IQU 013	IQU 013	IQU 013	IQU 013	IQU 013	IQU 013	IJX 013		
01U357			08-Nov-94	F45	<12.50	<62.90	47.40	<2.50	<5.00	<15.00	<20.00	242.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U357			08-Nov-94		IQV 011	IQV 011	IQV 011	IQV 011	IQV 011	IQV 011	IQV 011	IQV 011	IQV 011	IQV 011	IQV 011	IQV 011	IQV 011	IJY 013		
01U357			05-Dec-94	F45	<62.90	<2.50	39.20	<5.00	<15.00	<120.00	<1250.00	211.00	<37.10	<75.00	<100.00	<20.00	<13.00	<0.74		
01U357			05-Dec-94		IQW 014	IQW 014	IQW 014	IQW 014	IQW 014	IQW 014	IQW 014	IQW 014	IQW 014	IQW 014	IQW 014	IQW 014	IQW 014	IJZ 014		
01U357			17-Jan-95	F46	<12.50	<62.90	48.40	<2.50	<5.00	<15.00	<20.00	274.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U357			17-Jan-95		IQX 012	IQX 012	IQX 012	IQX 012	IQX 012	IQX 012	IQX 012	IQX 012	IQX 012	IQX 012	IQX 012	IQX 012	IQX 012	JDA 011		
01U357			03-Mar-95	F46								265.00					<2.70	<0.70		
01U357			03-Mar-95									DRC 010					DRA 010	RD 012		
01U357			03-Apr-95	F47	<1.93	<4.81	70.10	<1.47	<0.10	<2.18	9.09	238.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
01U357			03-Apr-95		DSR 010	DSI 010	DSJ 010	DSK 010	DSL 010	DSM 010	DSN 010	DSU 010	DSP 010	DSO 010	DSH 010	DSQ 010	DSS 010	DSV 012		
01U357			08-May-95	F47	<1.93	<4.81	57.60	<1.47	<0.10	<2.18	10.70	238.00	7.56	2.91	<10.00	<3.06	<2.70	<0.70		
01U357			08-May-95		DYK 010	YB 010	YC 010	YD 010	DYE 010	DYF 028	YG 026	DYN 010	DYI 026	YH 026	YA 019	DYJ 010	DYL 010	YO 012		
01U357			01-Jun-95	F47	<1.93	<4.81	56.10	<1.47	0.42	<2.18	4.78	213.00	15.30	3.23	<10.00	<3.06	<2.70	<0.70		
01U357			01-Jun-95		ECV 020	CM 010	ECN 020	ECO 010	ECP 010	ECQ 015	ECR 010	ECY 010	ECT 010	ECS 010	ECL 015	ECU 020	CW 020	ECZ 019		
01U357			11-Jul-95	F48	<1.93	<4.81	69.60	<1.47	0.38	<2.18	5.12	222.00	<5.94	4.54	<10.00	<3.06	<2.70	<0.70		
01U357			11-Jul-95		EMW 010	MN 010	MO 010	EMP 010	MQ 027	EMR 027	EMS 010	EMZ 010	MU 027	MT 010	MM 027	MV 010	MX 010	ENA 019		
01U357			08-Aug-95	F48	<1.93	<4.81	63.70	<1.47	0.53	<2.18	3.24	190.00	6.30	<2.65	<10.00	<3.06	<2.70	L <0.70		
01U357			08-Aug-95		ERY 010	ERP 010	ERQ 027	ERR 024	ERS 028	ERT 028	ERU 028	ESB 010	RW 028	ERV 066	ERO 028	ERX 010	ERZ 010	ESC 030		
01U357			07-Sep-95	F48	<1.93	<4.81	52.90	<15.00	0.32	<2.18	9.60	173.00	R 6.31	R <2.65	<10.00	R <3.06	<2.70	<0.70		
01U357			07-Sep-95		EVR 059	EVI 027	EVJ 128	EVK 128	EVL 031	EVM 012	EVN 156	EVU 010	EVP 065	EVO 075	EVH 026	EVQ 010	EVS 010	EVV 012		
01U358		48771	10-Mar-94	F42		<3.00	<20.00		<5.00	<15.00			<5.00	<4.00						
01U358	(6)		10-Mar-94			EAZ 008	IQE 007		IQE 007	IQE 007			EOX 008	EQA 008				<0.74		
01U358		106330	13-May-94	F43		<3.00							<5.00	16.40				IJN 010		
01U358	(6)		13-May-94			ESM 012							EWB 012	EQF 012				<0.74	<8.17	
01U358		125210	09-Jun-94	F43	<13.00	<3.00	43.30	<2.50	<5.00	<15.00	<20.00	180.00	<5.00	<4.00	<37.10	<75.00	<100.00	IJQ 012	IMG 013	
01U358	(6)		09-Jun-94		IQKK 013	ESN 012	IQK 016	IQK 016	IQK 016	IQK 016	IQK 016	IQKK 013	EXA 012	EQG 012	IQK 016	IQK 016	IQK 016	<0.74		
01U358		144800	06-Jul-94	F44	<13.00	<62.90	84.70	<2.50	<5.00	<15.00	28.10	176.00	<63.10	<100.00	<37.10	<75.00	<100.00	IJR 011		
01U358	(6)		06-Jul-94		IQL 014	IQL 014	IQL 014	IQL 014	IQL 014	IQL 014	IQL 014	IQL 014	IQL 014	IQL 014	IQL 014	IQL 014	IQL 014	<0.74		
01U358		172073	03-Aug-94	F44	<13.00	<62.90	34.30	<2.50	<5.00	<15.00	<20.00	168.00	<63.10	<100.00	<37.10	<75.00	<100.00	IJS 013		
01U358	(4)		03-Aug-94	F44	<13.00	<62.90	41.30	<2.50	<5.00	<15.00	<20.00	222.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		

TABLE II - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well	Trip Blank Lab #	Date	Qtr (2)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMMAS (pC/l)	Zinc ZN (ug/l)	luminum AL (ug/l)	Calcium CA (ug/l)	Cobalt CO (ug/l)	Iron FE (ug/l)	Potassium K (ug/l)	Magnesium MG (ug/l)	Molybdenum MO (ug/l)	Sodium NA (ug/l)	Vanadium V (ug/l)
TCAAP GW Action Criteria - ug/l (3)									700.00			1.00						20.00
01U357 (6)		09-Jun-94							IQK 015									
01U357	144800	06-Jul-94	F44						23.40									
01U357 (6)		06-Jul-94							IQL 013									
01U357	172073	03-Aug-94	F44						29.50									
01U357 (6)		03-Aug-94							IQM 012									
01U357	207160	07-Sep-94	F44						27.50									
01U357 (6)		07-Sep-94							IQQ 006									
01U357		08-Sep-94	F44													<30.90		
01U357		08-Sep-94	F44													<30.90		
01U357 (6)		08-Sep-94														IQS 012		
01U357 (6)		08-Sep-94														IQS 015		
01U357		10-Oct-94	F45						40.70									
01U357		10-Oct-94							IQU 013									
01U357		08-Nov-94	F45						B 50.90									
01U357		08-Nov-94							IQV 011									
01U357		05-Dec-94	F45						17.00									
01U357		05-Dec-94							IQW 014									
01U357		17-Jan-95	F46						B 34.60									
01U357		17-Jan-95							IQX 012									
01U357		03-Mar-95	F46						<29.40									
01U357		03-Mar-95							DRB 010									
01U357		03-Apr-95	F47						34.10									
01U357		03-Apr-95							DST 010									
01U357		08-May-95	F47						47.10									
01U357		08-May-95							DYM 026									
01U357		01-Jun-95	F47						44.10									
01U357		01-Jun-95							ECX 010									
01U357		11-Jul-95	F48						62.10									
01U357		11-Jul-95							EMY 010									
01U357		08-Aug-95	F48						84.20									
01U357		08-Aug-95							ESA 024									
01U357		07-Sep-95	F48						R 88.20									
01U357		07-Sep-95							EVT 034									
01U358	48771	10-Mar-94	F42						13.20			<1.00						<20.00
01U358 (6)		10-Mar-94							IQE 007			EOY 008						IQE 007
01U358	106330	13-May-94	F43															
01U358 (6)		13-May-94																
01U358	125210	09-Jun-94	F43						67.10									
01U358 (6)		09-Jun-94							IQK 016									
01U358	144800	06-Jul-94	F44						808.00									
01U358 (6)		06-Jul-94							IQL 014									
01U358	172073	03-Aug-94	F44						35.60									
01U358 (4)		03-Aug-94	F44						25.40									

TABLE II - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well		Trip Blank Lab #	Date	Qtr (2)	Silver AG (ug/l)	Arsenic AS (ug/l)	Barium BA (ug/l)	Beryllium BE (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Manganese MN (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Antimony SB (ug/l)	Selenium SE (ug/l)	Thallium TL (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Nitrate NIT (ug/l)
TCAAP GW Action Criteria - ug/l (3)					0.09	0.20	1000.00	0.08	4.00	50.00	1.00		70.00	5.00	1.00	10.00	0.30	1.00	100.00	
01U358	(6)		03-Aug-94		IQM 013	IQM 013	IQM 013	IQM 013	IQM 013	IQM 013	IQM 013	IQM 013	IQM 013	IQM 013	IQM 013	IQM 013	IQM 013	IJT 014		
01U358	(6)		03-Aug-94		IQM 014	IQM 014	IQM 014	IQM 014	IQM 014	IQM 014	IQM 014	IQM 014	IQM 014	IQM 014	IQM 014	IQM 014	IQM 014	IJT 015		
01U358		207160	07-Sep-94	F44	<12.50	<62.90	37.30	<2.50	<5.00	<15.00	<20.00	164.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U358	(4)	207160	07-Sep-94	F44	<12.50	<62.90	37.30	<2.50	<5.00	<15.00	<20.00	164.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U358	(6)		07-Sep-94		IQQ 007	IQQ 007	IQQ 007	IQQ 007	IQQ 007	IQQ 007	IQQ 007	IQQ 007	IQQ 007	IQQ 007	IQQ 007	IQQ 007	IQQ 007	IJV 013		
01U358	(6)		07-Sep-94		IQQ 010	IQQ 010	IQQ 010	IQQ 010	IQQ 010	IQQ 010	IQQ 010	IQQ 010	IQQ 010	IQQ 010	IQQ 010	IQQ 010	IQQ 010	IJV 014		
01U358			08-Sep-94	F44																
01U358	(6)		08-Sep-94																	
01U358			10-Oct-94	F45	<12.50	<62.90	37.30	<2.50	<5.00	<15.00	<20.00	155.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U358			10-Oct-94		IQU 014	IQU 014	IQU 014	IQU 014	IQU 014	IQU 014	IQU 014	IQU 014	IQU 014	IQU 014	IQU 014	IQU 014	IQU 014	IJX 014		
01U358			08-Nov-94	F45	<12.50	<62.90	43.30	<2.50	<5.00	<15.00	<20.00	190.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U358			08-Nov-94		IQV 012	IQV 012	IQV 012	IQV 012	IQV 012	IQV 012	IQV 012	IQV 012	IQV 012	IQV 012	IQV 012	IQV 012	IQV 012	IJY 014		
01U358	D		08-Nov-94	F45	<12.50	<62.90	44.40	<2.50	<5.00	<15.00	<20.00	187.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U358	D		08-Nov-94		IQV 013	IQV 013	IQV 013	IQV 013	IQV 013	IQV 013	IQV 013	IQV 013	IQV 013	IQV 013	IQV 013	IQV 013	IQV 013	IJY 015		
01U358			05-Dec-94	F45	<62.90	<2.50	91.20	<5.00	<15.00	<120.00	<1250.00	168.00	<37.10	<75.00	<100.00	<20.00	<13.00	<0.74		
01U358			05-Dec-94		IQW 015	IQW 015	IQW 015	IQW 015	IQW 015	IQW 015	IQW 015	IQW 015	IQW 015	IQW 015	IQW 015	IQW 015	IQW 015	IJZ 015		
01U358			17-Jan-95	F46	<12.50	<62.90	44.40	<2.50	<5.00	<15.00	<20.00	170.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U358			17-Jan-95		IQX 013	IQX 013	IQX 013	IQX 013	IQX 013	IQX 013	IQX 013	IQX 013	IQX 013	IQX 013	IQX 013	IQX 013	IQX 013	JDA 012		
01U358	D		17-Jan-95	F46	<12.50	<62.90	44.40	<2.50	<5.00	<15.00	<20.00	175.00	<63.10	<100.00	<37.10	<75.00	<100.00	<0.74		
01U358	D		17-Jan-95		IQX 014	IQX 014	IQX 014	IQX 014	IQX 014	IQX 014	IQX 014	IQX 014	IQX 014	IQX 014	IQX 014	IQX 014	IQX 014	JDA 013		
01U358			08-Feb-95	F46	<1.93				<0.10	<2.18	30.00		<5.94	<2.65				<0.70		
01U358			08-Feb-95		DPY 016				DPS 017	DPT 017	DPU 019		DPW 017	DPV 010				DQC 011		
01U358			03-Mar-95	F46								183.00					<2.70	<0.70		
01U358			03-Mar-95									DRC 011					DRA 011	RD 015		
01U358			03-Apr-95	F47	<1.93	<4.81	63.30	<1.47	<0.10	<2.18	39.00	161.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
01U358			03-Apr-95		DSR 007	DSI 007	DSJ 007	DSK 007	DSL 007	DSM 007	DSN 007	DSU 007	DSP 007	DSO 007	DSH 007	DSQ 007	DSS 007	DSV 009		
01U358			08-May-95	F47	<1.93	<4.81	57.70	<1.47	<0.10	<2.18	8.82	181.00	23.40	<2.65	<10.00	<3.06	<2.70	<0.70		
01U358			08-May-95		DYK 007	YB 007	YC 007	YD 007	DYE 007	DYF 025	YG 023	DYN 007	DYI 023	YH 023	YA 016	DYJ 007	DYL 007	YO 009		
01U358			01-Jun-95	F47	<1.93	<4.81	52.70	<1.47	0.13	<2.18	8.97	175.00	11.90	3.80	<10.00	<3.06	<2.70	<0.70		
01U358			01-Jun-95		ECV 021	CM 011	ECN 021	ECO 011	ECP 011	ECQ 016	ECR 011	ECY 011	ECT 011	ECS 011	ECL 016	ECU 021	CW 021	ECZ 020		
01U358			11-Jul-95	F48	<1.93	<4.81	68.80	<1.47	0.31	<2.18	8.16	193.00	<5.94	<2.65	<10.00	<3.06	<2.70	<0.70		
01U358			11-Jul-95		EMW 011	MN 011	MO 011	EMP 011	MQ 028	EMR 028	EMS 011	EMZ 011	MU 028	MT 011	MM 028	MV 011	MX 011	ENA 020		
01U358			08-Aug-95	F48	<1.93	<4.81	59.80	<1.47	0.32	<2.18	7.89	153.00	<5.94	4.29	<10.00	<3.06	<2.70	L <0.70		
01U358			08-Aug-95		ERY 011	ERP 011	ERQ 029	ERR 025	ERS 029	ERT 029	ERU 029	ESB 011	RW 029	ERV 068	ERO 029	ERX 011	ERZ 011	ESC 031		
01U358			07-Sep-95	F48	<1.93	<4.81	52.00	<15.00	0.35	<2.18	34.00	157.00	R 6.73	R 3.78	<10.00	R <3.06	<2.70	<0.70		
01U358			07-Sep-95		EVR 139	EVI 028	EVJ 132	EVK 130	EVL 033	EVM 013	EVN 159	EVU 011	EVP 066	EVO 077	EVH 028	EVQ 011	EVS 011	EVV 015		
01U604			01-Mar-94	M42	<1.00			<0.20				6900.00	22.00		<6.00	<5.00	7.00	<0.20		
01U611			01-Mar-94	M42	<1.00			<0.20				160.00	<20.00		<6.00	<5.00	<2.00	<0.20		
01U901		NC	11-Mar-94	F42		<3.00	35.30		<5.00	<15.00			66.00	<4.00				<0.74		
01U901	(6)		11-Mar-94			EAY 022	IQC 024		IQC 024	IQC 024			EOS 021	EBY 022				IJM 026		
01U901		NC	12-Sep-94	F44	<12.50						<20.00	121.00			<37.10	<75.00	<100.00			

TABLE II - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well		Trip Blank Lab #	Date	Qtr (2)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMMAS (pC/l)	Zinc ZN (ug/l)	luminum AL (ug/l)	Calcium CA (ug/l)	Cobalt CO (ug/l)	Iron FE (ug/l)	Potassium K (ug/l)	Magnesium MG (ug/l)	Molybdenum MO (ug/l)	Sodium NA (ug/l)	Vanadium V (ug/l)
TCAAP GW Action Criteria - ug/l (3)										700.00			1.00						20.00
01U358	(6)		03-Aug-94							IQM 013									
01U358	(6)		03-Aug-94							IQM 014									
01U358		207160	07-Sep-94	F44						36.60									
01U358	(4)	207160	07-Sep-94	F44						34.60									
01U358	(6)		07-Sep-94							IQQ 007									
01U358	(6)		07-Sep-94							IQQ 010									
01U358			08-Sep-94	F44													<30.90		
01U358	(6)		08-Sep-94														IQS 013		
01U358			10-Oct-94	F45						54.90									
01U358			10-Oct-94							IQU 014									
01U358			08-Nov-94	F45						B 52.90									
01U358			08-Nov-94							IQV 012									
01U358	D		08-Nov-94	F45						B 38.7									
01U358	D		08-Nov-94							IQV 013									
01U358			05-Dec-94	F45						13.00									
01U358			05-Dec-94							IQW 015									
01U358			17-Jan-95	F46						B 30.50									
01U358			17-Jan-95							IQX 013									
01U358	D		17-Jan-95	F46						B 34.6									
01U358	D		17-Jan-95							IQX 014									
01U358			08-Feb-95	F46						<29.40									
01U358			08-Feb-95							DQA 017									
01U358			03-Mar-95	F46						<29.40									
01U358			03-Mar-95							DRB 011									
01U358			03-Apr-95	F47						52.10									
01U358			03-Apr-95							DST 007									
01U358			08-May-95	F47						35.10									
01U358			08-May-95							DYM 023									
01U358			01-Jun-95	F47						<29.40									
01U358			01-Jun-95							ECX 011									
01U358			11-Jul-95	F48						70.10									
01U358			11-Jul-95							EMY 011									
01U358			08-Aug-95	F48						100.00									
01U358			08-Aug-95							ESA 025									
01U358			07-Sep-95	F48						R 127.00									
01U358			07-Sep-95							EVT 035									
01U604			01-Mar-94	M42						1000.00									
01U611			01-Mar-94	M42						<20.00									
01U901		NC	11-Mar-94	F42						<13.00			<1.00						<20.00
01U901	(6)		11-Mar-94							IQC 024			EOR 022						IQC 024
01U901		NC	12-Sep-94	F44													<30.90		

TABLE II - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well		Trip Blank Lab #	Date	Qtr (2)	Silver AG (ug/l)	Arsenic AS (ug/l)	Barium BA (ug/l)	Beryllium BE (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Manganese MN (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Antimony SB (ug/l)	Selenium SE (ug/l)	Thallium TL (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Nitrate NIT (ug/l)
TCAAP GW Action Criteria - ug/l (3)					0.09	0.20	1000.00	0.08	4.00	50.00	1.00		70.00	5.00	1.00	10.00	0.30	1.00	100.00	
01U901	(6)		12-Sep-94		IQS 017						IQS 017	IQS 017			IQS 017	IQS 017	IQS 017			
01U902	(5)	62588	23-Mar-94	F42		<3.00	103.00		<5.00	<15.00			<5.00	<4.00				<0.74		
01U902	(6)		23-Mar-94			EAZ 012	IQE 015		IQE 015	IQE 015			EOX 013	EQA 013				IJN 018		
01U902		NC	12-Sep-94	F44	<12.50						<20.00	675.00			<37.10	<75.00	<100.00			
01U902	(6)		12-Sep-94		IQS 018						IQS 018	IQS 018			IQS 018	IQS 018	IQS 018			
01U903		NC	11-Mar-94	F42		<3.00	80.60		<5.00	<15.00			250.00	<4.00				<0.74		
01U903	(6)		11-Mar-94			EAY 021	IQC 023		IQC 023	IQC 023			EOS 020	EBY 021				IJM 025		
01U903		106330	13-May-94	F43		<3.00	138.00		<5.00	5500.00	23.10		380.00	<4.00				<0.74	<8.17	
01U903	(6)		13-May-94			ESM 015	IQJ 017		IQJ 017	IQJ 017			EWB 016	EQF 015				IJQ 017	IMG 016	
01U903			09-Jun-94	M43		6.10			< 0.05	4300.00	10.00		360.00	< 1.00	6.10			< 0.10		
01U903			03-Aug-94	M44		2.00				6.40			320.00		< 2.00					
01U903			03-Aug-94	M44		2.20				12.00			340.00		< 2.00					
01U903		NC	12-Sep-94	F44	<12.50						<20.00	189.00			<37.10	<75.00	<100.00			
01U903	(6)		12-Sep-94		IQS 019						IQS 019	IQS 019			IQS 019	IQS 019	IQS 019			
01U904			11-Mar-94	F42														<0.74		
01U904	(5)	NC	11-Mar-94	F42		<3.00	89.70		<5.00	<15.00			270.00	<4.00						
01U904	(6)		11-Mar-94															IJM 024		
01U904	(6)		11-Mar-94			EAY 020	IQC 022		IQC 022	IQC 022			EOS 023	EBY 020						
01U904		106330	13-May-94	F43		<3.00	67.50		<5.00	8000.00	29.10		330.00	<4.00				<0.74		
01U904	(4)		13-May-94	F43		<3.00	74.60		<5.00	10000.00	38.20		350.00	<4.00				<0.74		
01U904	(6)		13-May-94			ESM 016	IQJ 018		IQJ 018	IQJ 018	IQJ 018		EWB 017	EQF 016				IJQ 018		
01U904	(6)		13-May-94			ESM 018	IQJ 020		IQJ 020	IQJ 020	IQJ 020		EWB 018	EQF 018				IJQ 020		
01U904			09-Jun-94	M43		< 1.00			< 0.05	210.00	5.60		310.00	< 1.00	< 2.00			< 0.10		
01U904			03-Aug-94	M44		< 1.00				12.00			330.00		< 2.00					
01U904			03-Aug-94	M44		< 1.00				6.30			270.00		< 2.00					
01U904		NC	12-Sep-94	F44	<12.50						<20.00	47.20			<37.10	<75.00	<100.00			
01U904	(6)		12-Sep-94		IQS 020						IQS 020	IQS 020			IQS 020	IQS 020	IQS 020			
03M505			Well Abandoned																	
03U007			23-Nov-92	M37		10.00										<5.00	<2.00			
03U009			22-Feb-93	M38		<2.00														
03U032			09-Nov-93	M41							<10.00	<10.00		<2.00						
03U087			04-Mar-93	F38															<8.17	640.00
03U087	(4)		04-Mar-93	F38															<8.17	630.00
03U087		53384	15-Mar-94	F42															<8.17	650.00
03U087	(6)		15-Mar-94																IMD 004	IAX 004
03U087			22-Mar-95	F46																3.86

TABLE II - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well	Trip Blank Lab #	Date	Qtr (2)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMMAS (pC/l)	Zinc ZN (ug/l)	luminum AL (ug/l)	Calcium CA (ug/l)	Cobalt CO (ug/l)	Iron FE (ug/l)	Potassium K (ug/l)	Magnesium MG (ug/l)	Molybdenum MO (ug/l)	Sodium NA (ug/l)	Vanadium V (ug/l)
TCAAP GW Action Criteria - ug/l (3)									700.00			1.00						20.00
01U901 (6)		12-Sep-94														IQS 017		
01U902 (5)	62588	23-Mar-94	F42						13.20			<1.00						<20.00
01U902 (6)		23-Mar-94							IQE 015			EOY 013						IQE 015
01U902	NC	12-Sep-94	F44													<30.90		
01U902 (6)		12-Sep-94														IQS 018		
01U903	NC	11-Mar-94	F42						<13.00			3.33						<20.00
01U903 (6)		11-Mar-94							IQC 023			EOR 021						IQC 023
01U903	106330	13-May-94	F43						25.40									
01U903 (6)		13-May-94							IQJ 017			IQJ 017						
01U903		09-Jun-94	M43						2.60									3.50
01U903		03-Aug-94	M44															
01U903		03-Aug-94	M44															
01U903	NC	12-Sep-94	F44													39.50		
01U903 (6)		12-Sep-94														IQS 019		
01U904		11-Mar-94	F42															
01U904 (5)	NC	11-Mar-94	F42						<13.00			1.53						<20.00
01U904 (6)		11-Mar-94																
01U904 (6)		11-Mar-94							IQC 022			EOR 020						IQC 022
01U904	106330	13-May-94	F43						22.40									
01U904 (4)		13-May-94	F43						24.40									
01U904 (6)		13-May-94							IQJ 018									
01U904 (6)		13-May-94							IQJ 020									
01U904		09-Jun-94	M43						24.00									< 2.00
01U904		03-Aug-94	M44															
01U904		03-Aug-94	M44															
01U904	NC	12-Sep-94	F44													<30.90		
01U904 (6)		12-Sep-94														IQS 020		
03M505		Well Abandoned																
03U007		23-Nov-92	M37									<1.00						
03U009		22-Feb-93	M38									2.00						
03U032		09-Nov-93	M41						<20.00									
03U087		04-Mar-93	F38	<10.30	16.20													
03U087 (4)		04-Mar-93	F38	<10.30	14.50													
03U087	53384	15-Mar-94	F42	<10.30	24.60													
03U087 (6)		15-Mar-94		IIS 004	ISB 004													
03U087		22-Mar-95	F46	<12.10	15.10													

TABLE II - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well	Trip Blank Lab #	Date	Qtr (2)	Silver AG (ug/l)	Arsenic AS (ug/l)	Barium BA (ug/l)	Beryllium BE (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Manganese MN (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Antimony SB (ug/l)	Selenium SE (ug/l)	Thallium TL (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Nitrate NIT (ug/l)
TCAAP GW Action Criteria - ug/l (3)				0.09	0.20	1000.00	0.08	4.00	50.00	1.00		70.00	5.00	1.00	10.00	0.30	1.00	100.00	
03U087		22-Mar-95																	DRZ 012
03U093		22-Feb-93	M38		<2.00		<0.20						3.00	<6.00		<2.00			
03U094		24-Nov-92	M37		<2.00		<0.20							<6.00		<2.00			
03U094		09-Nov-93	M41							<10.00	<10.00		<2.00						
03U112		08-Mar-93	F38																
03U112	NC	12-Sep-94	F44															<8.17	8700.00
03U112	(6)	12-Sep-94																<8.17	8400.00
03U112		14-Mar-95	F46															IMJ 004	IWB 005
03U112		14-Mar-95																	18.50
																			DRS 009
03U121		08-Mar-93	F38																
03U121	NC	12-Sep-94	F44															<8.17	840.00
03U121	(6)	12-Sep-94																<8.17	770.00
03U121		22-Mar-95	F46															IMJ 005	IWB 006
03U121		22-Mar-95																	3.36
																			DRZ 009
234301		16-Nov-93	M41		<2.00		<0.10	0.20	<10.00	10.00	430.00	<20.00	<2.00	<6.00		<2.00	<0.20		
234317		16-Nov-93	M41		<2.00		<0.10	0.20	<10.00	<10.00	550.00	<20.00	<2.00	<6.00		<2.00	<0.20		
234332		17-Nov-93	M41		<2.00		<0.10	<0.20	<10.00	20.00	50.00	<20.00	<2.00	<6.00		<2.00	<0.20		
234356		16-Nov-93	M41		<2.00		<0.10	0.20	<10.00	<10.00	290.00	<20.00	<2.00	<6.00		<2.00	<0.20		
234356		06-Apr-94	M43								310.00								
234356		06-Apr-94	M43								580.00								
234357		28-Oct-93	M41		<2.00		<0.20	0.30	1.00	10.00	610.00	<20.00	7.00	<6.00		<2.00	<0.20		
482085		01-Mar-94	M42	<1.00			<0.20				570.00	<20.00		<6.00	<5.00	<2.00	<0.20		
482084		01-Mar-94	M42	<1.00			<0.20				<10.00	<20.00		<6.00	<5.00	<2.00	<0.20		
482083		01-Mar-94	M42	<1.00			<0.20				100.00	170.00		<6.00	<5.00	<2.00	<0.20		
520931		06-Dec-94	C45		<3.00														
520931		06-Dec-94			ESY 002														
520931		07-Mar-95	C46		<4.00														
520931		07-Mar-95			EZC 005														
Big 10 Supper Club		14-Sep-93	M40		4.00		<0.20	<0.02	<10.00	10.00	560.00	<20.00	<2.00	<6.00		4.00	<0.20		

TABLE II - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well	Trip Blank Lab #	Date	Qtr (2)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMMAS (pC/l)	Zinc ZN (ug/l)	luminum AL (ug/l)	Calcium CA (ug/l)	Cobalt CO (ug/l)	Iron FE (ug/l)	Potassium K (ug/l)	Magnesium MG (ug/l)	Molybdenum MO (ug/l)	Sodium NA (ug/l)	Vanadium V (ug/l)
TCAAP GW Action Criteria - ug/l (3)									700.00			1.00						20.00
03U087		22-Mar-95		DRY 012	DSD 009													
03U093		22-Feb-93	M38									<1.00						
03U094		24-Nov-92	M37									1.00						
03U094		09-Nov-93	M41						<20.00									
03U112		08-Mar-93	F38	10.10	17.30													
03U112	NC	12-Sep-94	F44	26.20	14.00													
03U112	(6)	12-Sep-94		IXB 004	ISH 005													
03U112		14-Mar-95	F46	<12.10	22.10													
03U112		14-Mar-95		DRR 013	DSD 006													
03U121		08-Mar-93	F38	<10.30	15.60													
03U121	NC	12-Sep-94	F44	15.20	20.10													
03U121	(6)	12-Sep-94		IXB 007	ISH 006													
03U121		22-Mar-95	F46	<12.10	26.10													
03U121		22-Mar-95		DRY 009	DSD 008													
234301		16-Nov-93	M41						50.00				400.00					<2.00
234317		16-Nov-93	M41						<20.00				120.00					<2.00
234332		17-Nov-93	M41						110.00				1300.00					<2.00
234356		16-Nov-93	M41						<410.00				270.00					<2.00
234356		06-Apr-94	M43															
234356		06-Apr-94	M43															
234357		28-Oct-93	M41						570.00				70.00					<2.00
482085		01-Mar-94	M42						<20.00									
482084		01-Mar-94	M42						<20.00									
482083		01-Mar-94	M42						<20.00									
520931		06-Dec-94	C45															
520931		06-Dec-94																
520931		07-Mar-95	C46															
520931		07-Mar-95																
Big 10 Supper Club		14-Sep-93	M40						30.00			2.00	120.00					11.00

TABLE II - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well	Trip Blank Lab #	Date	Qtr (2)	Silver AG (ug/l)	Arsenic AS (ug/l)	Barium BA (ug/l)	Beryllium BE (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Manganese MN (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Antimony SB (ug/l)	Selenium SE (ug/l)	Thallium TL (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Nitrate NIT (ug/l)
TCAAP GW Action Criteria - ug/l (3)				0.09	0.20	1000.00	0.08	4.00	50.00	1.00		70.00	5.00	1.00	10.00	0.30	1.00	100.00	
Dewitt		20-Sep-93	M40		2.00		<0.20	3.80	<10.00	<10.00	480.00	<20.00	<2.00	<6.00		<2.00	<0.20		
Indy K.		22-Sep-93	M40		2.00		<0.20	<0.20	<10.00	30.00	50.00	<20.00	3.00	<6.00		<2.00	<0.20		

TABLE II - 3
TCAAP Groundwater Quality Data (Inorganics) - (1)

Well	Trip Blank Lab #	Date	Qtr (2)	Ortho phos-phates PO4ORT (ug/l)	Total Phos-phates TPO4 (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMMAS (pC/l)	Zinc ZN (ug/l)	luminum AL (ug/l)	Calcium CA (ug/l)	Cobalt CO (ug/l)	Iron FE (ug/l)	Potassium K (ug/l)	Magnesium MG (ug/l)	Molybdenum MO (ug/l)	Sodium NA (ug/l)	Vanadium V (ug/l)
TCAAP GW Action Criteria - ug/l (3)									700.00			1.00						20.00
Dewitt		20-Sep-93	M40						30.00			<1.00	340.00					5.00
Indy K.		22-Sep-93	M40						110.00			1.00	1200.00					20.00

Table II-4

TCAAP Surface Water Quality Data (PCBs)

Notes:

(1) Sites refer to monitoring locations illustrated on Figure IV-51 of this report.

(2) Qtr = Quarter. Under this heading, F = FCC.

TABLE II - 4
TCAAP Surface Water Quality Data (PCBs) - ug/l

Location (1)	Sample Lab #	Field Blank Lab #	Date	Qtr (2)	Lot #	PCB 1016	PCB 1221	PCB 1232	PCB 1242	PCB 1248	PCB 1254	PCB 1260
20100	2900-05		12-May-94	F43	CLZ 016	<1.00		<0.10	<0.10	<0.10	<0.10	<0.10
20100	5413-02		02-May-95	F47	DWO 008	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
20200	2900-09		12-May-94	F43	CLZ 020	<1.00		<0.10	<0.10	<0.10	<0.10	<0.10
20200	5413-04		02-May-95	F47	DWO 010	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
20300	2900-10	2900-11	12-May-94	F43	CLZ 021	<1.00		<0.10	<0.10	<0.10	<0.10	<0.10
20300	5413-03		02-May-95	F47	DWO 009	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
20400	2872-02		09-May-94	F43	CLY 008	<1.00		<0.10	<0.10	<0.10	<0.10	<0.10
20400	5413-14		03-May-95	F47	DXN 011	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
20500	2872-05		09-May-94	F43	CLY 012	<1.00		<0.10	<0.10	<0.10	<0.10	<0.10
20500	5413-12		03-May-95	F47	DXN 009	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
20700	2900-02		12-May-94	F43	CLZ 011	<1.00		<0.10	<0.10	<0.10	<0.10	<0.10
20700	5413-01		02-May-95	F47	DWO 007	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
20800	2872-03		09-May-94	F43	CLY 009	<1.00		<0.10	<0.10	<0.10	<0.10	<0.10
20800	5413-13		03-May-95	F47	DXN 010	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
20900	2872-06		09-May-94	F43	CLY 013	<1.00		<0.10	<0.10	<0.10	<0.10	<0.10
20900	5413-10		03-May-95	F47	DXN 007	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
21000	2872-04		09-May-94	F43	CLY 010	<1.00		<0.10	<0.10	<0.10	<0.10	<0.10
21000	5413-15		03-May-95	F47	DXN 012	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
21100	2900-07		12-May-94	F43	CLZ 017	<1.00		<0.10	<0.10	<0.10	<0.10	<0.10
21100	5413-05		02-May-95	F47	DWO 011	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
21200	2900-04		12-May-94	F43	CLZ 015	<1.00		<0.10	<0.10	<0.10	<0.10	<0.10
21200	5413-06		02-May-95	F47	DWO 012	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10

TABLE II - 4
TCAAP Surface Water Quality Data (PCBs) - ug/l

Location (1)	Sample Lab #	Field Blank Lab #	Date	Qtr (2)	Lot #	PCB 1016	PCB 1221	PCB 1232	PCB 1242	PCB 1248	PCB 1254	PCB 1260
21300	2900-03		12-May-94	F43	CLZ 012	<1.00		<0.10	<0.10	<0.10	<0.10	<0.10
21300	5413-07		02-May-95	F47	DWO 013	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
21400	2900-04		12-May-94	F43	CLZ 013	<1.00		<0.10	<0.10	<0.10	<0.10	<0.10
21400	5413-08		02-May-95	F47	DWO 014	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
21600	2900-08		12-May-94	F43	CLZ 019	<1.00		<0.10	<0.10	<0.10	<0.10	<0.10
21600	5413-11		03-May-95	F47	DXN 008	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10

Table II-5

TCAAP Surface Water Quality Data (Organics)

Notes:

(1) Sites refer to monitoring locations illustrated on Figure IV-51 of this report.

(2) Qtr = Quarter. Under this heading, F = FCC.

(3) TCAAP SW Action Criteria = surface water action criteria set forth in Table 3.7B of the Federal Facilities Agreement.

(4) Field blank collected at this location. See Appendix C for FY 95 field blank data.

NC Trip blank not collected.

Shading denotes FY 1995 exceedances or potential exceedances of TCAAP action criteria. Exceedances are concentrations greater than the TCAAP action criteria. Potential exceedances are values reported as "less than the method detection limit," where the method detection limit is greater than the TCAAP action criteria.

TABLE II - 5
TCAAP Surface Water Quality Data (Organics) - ug/l

Location (1)	Sample Lab #	Trip Blank Lab #	Date	Qtr (2)	Lot #	Trichloro ethene TRCLE	1,1-Dichloro ethene 11DCE	1,1,1-Trichloro ethane 111TCE	1,1-Dichloro ethane 11DCLE	Methylene Chloride CH2CL2	Oil & Grease OILGR (mg/l)	Total Organic Carbon TOC
TCAAP SW Action Criteria (3)						15	0.33	18000	9.4			
20100	1325-06 (4)	NC	07-Oct-93	F41	BYR 008						<1000.00	
20100	1699-07	1699-01	11-Nov-93	F41	CCQ 010	<1.04	<1.01	<1.16	<0.97	<1.41	2000.00	<5000.00
20100	1900-04	NC	08-Dec-93	F41	CDR 006						<1000.00	
20100	2129-01	NC	13-Jan-94	F42	CIY 003						<1000.00	
20100	2291-01	NC	10-Feb-94	F42	CJP 009						<1000.00	14000.00
20100	2464-04	NC	10-Mar-94	F42	CKG 006						<1000.00	
20100	2465-04	NC	10-Mar-94	F42	CKK 007	<1.04	<1.01	<1.16	<0.97	<1.41		
20100	2663-04	NC	11-Apr-94	F43	CKP 006						<1000.00	
20100	2900-06	2900-01	12-May-94	F43	CLC 006	<1.04	<1.01	<1.16	<0.97	<1.41	1000.00	29.00
20100	3066-04	NC	01-Jun-94	F43	CPR 006						<1000.00	
20100	3480-04	NC	22-Jul-94	F44	CZB 006						<1000.00	
20100	3750-07	3750-01	25-Aug-94	F44	DEE 009						<1000.00	21000.00
20100	3750-07	3750-01	25-Aug-94	F44	DEO 010	<1.04	<1.01	<1.16	<0.97	<1.41		
20100	4026-04	NC	28-Sep-94	F44	DIW 006						2000.00	
20100	4106-04	NC	07-Oct-94	F45	DKO 006						3000.00	
20100	4343-01	NC	09-Nov-94	F45	DNA 010	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	13000.00
20100	4532-04	NC	08-Dec-94	F45	DOE 006						<1000.00	
20100	4724-04	NC	17-Jan-95	F46	DOM 006						<1000.00	
20100	4819-07	4819-01	01-Feb-95	F46	DPJ 011	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	12200.00
20100	4973-02	NC	02-Mar-95	F46	DQL 004						<1000.00	
20100	5180-04	NC	04-Apr-95	F47	DTE 006						5000.00	
20100	5413-02	5413-09	02-May-95	F47	DWN 004	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	10600.00
20100	5717-04	NC	08-Jun-95	F47	EEG 006						<1000.00	
20100	6048-04	NC	12-Jul-95	F48	ENS 006						2000.00	
20100	6350-07	6350-01	14-Aug-95	F48	ETI 008						<1000.00	23000.00
20100	6563-01	NC	19-Sep-95	F48	EWI 003						<1000.00	

TABLE II - 5
TCAAP Surface Water Quality Data (Organics) - ug/l

Location (1)	Sample Lab #	Trip Blank Lab #	Date	Qtr (2)	Lot #	Trichloro ethene TRCLE	1,1-Dichloro ethene 11DCE	1,1,1-Trichloro ethane 111TCE	1,1-Dichloro ethane 11DCLE	Methylene Chloride CH2CL2	Oil & Grease OILGR (mg/l)	Total Organic Carbon TOC
TCAAP SW Action Criteria (3)						15	0.33	18000	9.4			
20200	1325-01	NC	07-Oct-93	F41	BYR 003						<1000.00	
20200	1699-10	1699-01	11-Nov-93	F41	CCQ 013	32.00	<1.01	<1.16	<0.97	<1.41	3000.00	5100.00
20200	1900-05	NC	08-Dec-93	F41	CDR 007						<1000.00	
20200	2129-02	NC	13-Jan-94	F42	CIY 004						<1000.00	
20200	2291-04	NC	10-Feb-94	F42	CJP 012						<1000.00	<5000.00
20200	2464-05	NC	10-Mar-94	F42	CKG 007						<1000.00	
20200	2465-05	NC	10-Mar-94	F42	CKK 008	3.26	<1.01	<1.16	<0.97	<1.41		
20200	2663-05	NC	11-Apr-94	F43	CKP 007						<1000.00	
20200	2900-09	2900-01	12-May-94	F43	CLC 008	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	30.00
20200	3066-05	NC	01-Jun-94	F43	CPR 007						<1000.00	
20200	3480-05	NC	22-Jul-94	F44	CZB 007						<1000.00	
20200	3750-10	3750-01	25-Aug-94	F44	DEO 013	5.57	<1.01	<1.16	<0.97	4.82		
20200	3750-10	3750-01	25-Aug-94	F44	DEE 012						<1000.00	<5000.00
20200	4026-05	NC	28-Sep-94	F44	DIW 007						<1000.00	
20200	4106-05	NC	07-Oct-94	F45	DKO 007						3000.00	
20200	4343-04	NC	09-Nov-94	F45	DNA 013	5.88	<1.01	<1.16	<0.97	<1.41	1400.00	<5000.00
20200	4532-05	NC	08-Dec-94	F45	DOE 007						<1000.00	
20200	4724-05	NC	17-Jan-95	F46	DOM 007						2000.00	
20200	4819-09	4819-01	01-Feb-95	F46	DPJ 013	7.16	<1.01	<1.16	<0.97	<1.41	1000.00	1900.00
20200	4973-03	NC	02-Mar-95	F46	DQL 005						<1000.00	
20200	5180-05	NC	04-Apr-95	F47	DTE 007						2000.00	
20200	5413-04	5413-09	02-May-95	F47	DWN 006	6.56	<1.01	<1.16	<0.97	<1.41	<1000.00	<5000.00
20200	5717-06	NC	08-Jun-95	F47	EEG 008						<1000.00	
20200	6048-06	NC	12-Jul-95	F48	ENS 008						<1000.00	
20200	6350-10	6350-01	14-Aug-95	F48	ETX 011	3.30	<1.01	<1.16	<0.97	<1.41	5000.00	4000.00
20200	6563-03	NC	19-Sep-95	F48	EWI 005						<1000.00	

TABLE II - 5
TCAAP Surface Water Quality Data (Organics) - ug/l

Location (1)	Sample Lab #	Trip Blank Lab #	Date	Qtr (2)	Lot #	Trichloro ethene TRCLE	1,1-Dichloro ethene 11DCE	1,1,1-Trichloro ethane 111TCE	1,1-Dichloro ethane 11DCLE	Methylene Chloride CH2CL2	Oil & Grease OILGR (mg/l)	Total Organic Carbon TOC
TCAAP SW Action Criteria (3)						15	0.33	18000	9.4			
20300	1325-02	NC	07-Oct-93	F41	BYR 004						<1000.00	
20300	1699-11	1699-01	11-Nov-93	F41	CCQ 014	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	5000.00
20300	1900-06 (4)	NC	08-Dec-93	F41	CDR 008						<1000.00	
20300	2129-03	NC	13-Jan-94	F42	CIY 005						<1000.00	
20300	2291-05 (4)	NC	10-Feb-94	F42	CJP 013						<1000.00	21000.00
20300	2464-06 (4)	NC	10-Mar-94	F42	CKG 008						<1000.00	
20300	2465-06	NC	10-Mar-94	F42	CKK 010	<1.04	<1.01	<1.16	<0.97	<1.41		
20300	2663-06 (4)	NC	11-Apr-94	F43	CKP 008						<1000.00	
20300	2900-10 (4)	2900-01	12-May-94	F43	CLC 010	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	1.30
20300	3066-06 (4)	NC	01-Jun-94	F43	CPR 008						<1000.00	
20300	3480-06 (4)	NC	22-Jul-94	F44	CZB 008						<1000.00	
20300	3750-11	3750-01	25-Aug-94	F44	DEO 014	<1.04	<1.01	<1.16	<0.97	10.00		
20300	3750-11 (4)	3750-01	25-Aug-94	F44	DEE 013						<1000.00	<5000.00
20300	4026-06 (4)	NC	28-Sep-94	F44	DIW 008						<1000.00	
20300	4106-06 (4)	NC	07-Oct-94	F45	DKO 008						3000.00	
20300	4343-05 (4)	NC	09-Nov-94	F45	DNA 014	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	<5000.00
20300	4532-06 (4)	NC	08-Dec-94	F45	DOE 008						<1000.00	
20300	4724-06	NC	17-Jan-95	F46	DOM 008						<1000.00	
20300	4819-10 (4)	4819-01	01-Feb-95	F46	DPJ 014	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	4600.00
20300	4973-04	NC	02-Mar-95	F46	DQL 006						<1000.00	
20300	5180-06 (4)	NC	04-Apr-95	F47	DTE 008						1000.00	
20300	5413-03	5413-09	02-May-95	F47	DWN 005	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	<5000.00
20300	5717-07 (4)	NC	08-Jun-95	F47	EEG 009						<1000.00	
20300	6048-07 (4)	NC	12-Jul-95	F48	ENS 009						<1000.00	
20300	6350-11	6350-01	14-Aug-95	F48	ETX 012	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	4000.00
20300	6563-04	NC	19-Sep-95	F48	EWI 006						1000.00	

TABLE II - 5
TCAAP Surface Water Quality Data (Organics) - ug/l

Location (1)	Sample Lab #	Trip Blank Lab #	Date	Qtr (2)	Lot #	Trichloro ethene TRCLE	1,1-Dichloro ethene 11DCE	1,1,1-Trichloro ethane 111TCE	1,1-Dichloro ethane 11DCLE	Methylene Chloride CH2CL2	Oil & Grease OILGR (mg/l)	Total Organic Carbon TOC
TCAAP SW Action Criteria (3)						15	0.33	18000	9.4			
20400	1325-03	NC	07-Oct-93	F41	BYR 005						<1000.00	
20400	1699-06	1699-01	11-Nov-93	F41	CCQ 008	<1.04	<1.01	<1.16	<0.97	<1.41	1000.00	5900.00
20400	1900-03	NC	08-Dec-93	F41	CDR 005						<1000.00	
20400	2129-05 (4)	NC	13-Jan-94	F42	CIY 007						<1000.00	
20400	2288-06	2288-01	09-Feb-94	F42	CJP 008						1000.00	7500.00
20400	2464-02	NC	10-Mar-94	F42	CKG 004						<1000.00	
20400	2465-02	NC	10-Mar-94	F42	CKK 005	<1.04	<1.01	<1.16	<0.97	<1.41		
20400	2663-02	NC	11-Apr-94	F43	CKP 004						<1000.00	
20400	2872-02	2872-01	09-May-94	F43	CLB 005	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	7.40
20400	3066-02	NC	01-Jun-94	F43	CPR 004						<1000.00	
20400	3480-02	NC	22-Jul-94	F44	CZB 004						<1000.00	
20400	3750-06	3750-01	25-Aug-94	F44	DEE 008						<1000.00	<5000.00
20400	3750-06	3750-01	25-Aug-94	F44	DEO 008	<1.04	<1.01	<1.16	<0.97	22.70		
20400	4026-02	NC	28-Sep-94	F44	DIW 004						<1000.00	
20400	4106-02	NC	07-Oct-94	F45	DKO 004						4000.00	
20400	4332-06	4332-01	08-Nov-94	F45	DNA 008	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	<5000.00
20400	4532-02	NC	08-Dec-94	F45	DOE 004						<1000.00	
20400	4724-02	NC	17-Jan-95	F46	DOM 004						2000.00	
20400	4819-06	4819-01	01-Feb-95	F46	DPJ 010	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	5200.00
20400	4973-05	NC	02-Mar-95	F46	DQL 007						<1000.00	
20400	5180-02	NC	04-Apr-95	F47	DTE 004						1000.00	
20400	5413-14	5413-09	03-May-95	F47	DXT 009	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	<5000.00
20400	5717-02	NC	08-Jun-95	F47	EEG 004						<1000.00	
20400	6048-02	NC	12-Jul-95	F48	ENS 004						<1000.00	
20400	6350-06	6350-01	14-Aug-95	F48	ETX 007	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	7000.00
20400	6563-05	NC	19-Sep-95	F48	EWI 007						<1000.00	

TABLE II - 5
TCAAP Surface Water Quality Data (Organics) - ug/l

Location (1)	Sample Lab #	Trip Blank Lab #	Date	Qtr (2)	Lot #	Trichloro ethene TRCLE	1,1-Dichloro ethene 11DCE	1,1,1-Trichloro ethane 111TCE	1,1-Dichloro ethane 11DCLE	Methylene Chloride CH2CL2	Oil & Grease OILGR (mg/l)	Total Organic Carbon TOC
TCAAP SW Action Criteria (3)						15	0.33	18000	9.4			
20500	1325-04	NC	07-Oct-93	F41	BYR 006						<1000.00	
20500	1699-03	1699-01	11-Nov-93	F41	CCQ 005	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	<5000.00
20500	1900-01	NC	08-Dec-93	F41	CDR 003						<1000.00	
20500	2129-05	NC	13-Jan-94	F42	CIY 008						<1000.00	
20500	2288-03	2288-01	09-Feb-94	F42	CJP 005						<1000.00	8000.00
20500	2464-03	NC	10-Mar-94	F42	CKG 005						<1000.00	
20500	2465-03	NC	10-Mar-94	F42	CKK 006	<1.04	<1.01	<1.16	<0.97	<1.41		
20500	2663-03	NC	11-Apr-94	F43	CKP 005						<1000.00	
20500	2872-05	2872-01	09-May-94	F43	CLB 008	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	1.40
20500	3066-03	NC	01-Jun-94	F43	CPR 005						<1000.00	
20500	3480-03	NC	22-Jul-94	F44	CZB 005						1000.00	
20500	3750-03	3750-01	25-Aug-94	F44	DEO 005	<1.04	<1.01	<1.16	<0.97	<1.41		
20500	3750-03	3750-01	25-Aug-94	F44	DEE 005						<1000.00	<5000.00
20500	4026-03	NC	28-Sep-94	F44	DIW 005						<1000.00	
20500	4106-03	NC	07-Oct-94	F45	DKO 005						2000.00	
20500	4332-03	4332-01	08-Nov-94	F45	DNA 005	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	<5000.00
20500	4532-03	NC	08-Dec-94	F45	DOE 005						<1000.00	
20500	4724-03	NC	17-Jan-95	F46	DOM 005						2000.00	
20500	4819-03	4819-01	01-Feb-95	F46	DPJ 006	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	4000.00
20500	5180-03	NC	04-Apr-95	F47	DTE 005						1000.00	
20500	5413-12	5413-09	03-May-95	F47	DXT 006	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	<5000.00
20500	5717-03	NC	08-Jun-95	F47	EEG 005						<1000.00	
20500	6048-03	NC	12-Jul-95	F48	ENS 005						1000.00	
20500	6350-03	6350-01	14-Aug-95	F48	ETI 004						<1000.00	7000.00
20500	6563-07 (4)	NC	19-Sep-95	F48	EWI 009						<1000.00	

TABLE II - 5
TCAAP Surface Water Quality Data (Organics) - ug/l

Location (1)	Sample Lab #	Trip Blank Lab #	Date	Qtr (2)	Lot #	Trichloro ethene TRCLE	1,1-Dichloro ethene 11DCE	1,1,1-Trichloro ethane 111TCE	1,1-Dichloro ethane 11DCLE	Methylene Chloride CH2CL2	Oil & Grease OILGR (mg/l)	Total Organic Carbon TOC
TCAAP SW Action Criteria (3)						15	0.33	18000	9.4			
20700	1699-08	1699-01	11-Nov-93	F41	CCQ 011	<1.04	<1.01	<1.16	<0.97	<1.41	1000.00	16000.00
20700	2291-02	NC	10-Feb-94	F42	CJP 010						<1000.00	27000.00
20700	2465-10 (4)	NC	10-Mar-94	F42	CKK 014	<1.04	<1.01	<1.16	<0.97	<1.41		
20700	2850-01	NA	03-May-94	F43	CKT 004	<1.04	<1.01	<1.16	<0.97	<1.41		
20700	2900-02	2900-01	12-May-94	F43	CLC 005	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	32.00
20700	3750-08	3750-01	25-Aug-94	F44	DEO 011	<1.04	<1.01	<1.16	<0.97	21.00		
20700	3750-08	3750-01	25-Aug-94	F44	DEE 010						<1000.00	25000.00
20700	4343-02	NC	09-Nov-94	F45	DNA 011	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	17000.00
20700	4724-07	NC	17-Jan-95	F46	DOM 009						1000.00	
20700	4819-08	4819-01	01-Feb-95	F46	DPJ 012	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	18400.00
20700	4973-01	NC	02-Mar-95	F46	DQL 003						<1000.00	
20700	5180-07	NC	04-Apr-95	F47	DTE 009						1000.00	
20700	5413-01	5413-09	02-May-95	F47	DWN 003	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	15100.00
20700	5717-05	NC	08-Jun-95	F47	EEG 007						<1000.00	
20700	6048-05	NC	12-Jul-95	F48	ENS 007						2000.00	
20700	6350-08	6350-01	14-Aug-95	F48	ETX 009	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	25000.00
20700	6563-02	NC	19-Sep-95	F48	EWI 004						<1000.00	

TABLE II - 5
TCAAP Surface Water Quality Data (Organics) - ug/l

Location (1)	Sample Lab #	Trip Blank Lab #	Date	Qtr (2)	Lot #	Trichloro ethene TRCLE	1,1-Dichloro ethene 11DCE	1,1,1-Trichloro ethane 111TCE	1,1-Dichloro ethane 11DCLE	Methylene Chloride CH2CL2	Oil & Grease OILGR (mg/l)	Total Organic Carbon TOC
TCAAP SW Action Criteria (3)						15	0.33	18000	9.4			
20800	1325-05	NC	07-Oct-93	F41	BYR 007						<1000.00	
20800	1699-05	1699-01	11-Nov-93	F41	CCQ 007	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	13000.00
20800	1900-02	NC	08-Dec-93	F41	CDR 004						<1000.00	
20800	2129-05	NC	13-Jan-94	F42	CIY 006						1000.00	
20800	2288-05	2288-01	09-Feb-94	F42	CJP 007						1000.00	23000.00
20800	2464-01	NC	10-Mar-94	F42	CKG 003						<1000.00	
20800	2465-01	NC	10-Mar-94	F42	CKK 004	<1.04	<1.01	<1.16	<0.97	<1.41		
20800	2663-01	NC	11-Apr-94	F43	CKP 003						<1000.00	
20800	2872-03	2872-01	09-May-94	F43	CLB 006	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	29.00
20800	3066-01	NC	01-Jun-94	F43	CPR 003						<1000.00	
20800	3480-01	NC	22-Jul-94	F44	CZB 003						<1000.00	
20800	3750-05	3750-01	25-Aug-94	F44	DEO 007	<1.04	<1.01	<1.16	<0.97	6.50	<1000.00	
20800	3750-05	3750-01	25-Aug-94	F44	DEE 007							
20800	4026-01	NC	28-Sep-94	F44	DIW 003						<1000.00	22000.00
20800	4106-01	NC	07-Oct-94	F45	DKO 003						<1000.00	
20800	4332-05	4332-01	08-Nov-94	F45	DNA 007	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	
20800	4532-01	NC	08-Dec-94	F45	DOE 003						<1000.00	18000.00
20800	4724-01	NC	17-Jan-95	F46	DOM 003						<1000.00	
20800	4819-05	4819-01	01-Feb-95	F46	DPJ 008	<1.04	<1.01	<1.16	<0.97	<1.41	1000.00	
20800	4973-06	NC	02-Mar-95	F46	DQL 008						<1000.00	17900.00
20800	5180-01	NC	04-Apr-95	F47	DTE 003						<1000.00	
20800	5413-13	5413-09	03-May-95	F47	DXT 008	<1.04	<1.01	<1.16	<0.97	<1.41	13000.00	
20800	5717-01	NC	08-Jun-95	F47	EEG 003						<1000.00	14400.00
20800	6048-01	NC	12-Jul-95	F48	ENS 003						<1000.00	
20800	6350-05	6350-01	14-Aug-95	F48	ETX 006	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	
20800	6563-06	NC	19-Sep-95	F48	EWI 008						<1000.00	24000.00
											<1000.00	

TABLE II - 5
TCAAP Surface Water Quality Data (Organics) - ug/l

Location (1)	Sample Lab #	Trip Blank Lab #	Date	Qtr (2)	Lot #	Trichloro ethene TRCLE	1,1-Dichloro ethene 11DCE	1,1,1-Trichloro ethane 111TCE	1,1-Dichloro ethane 11DCLE	Methylene Chloride CH2CL2	Oil & Grease OILGR (mg/l)	Total Organic Carbon TOC
TCAAP SW Action Criteria (3)						15	0.33	18000	9.4			
20900	1699-02	1699-01	11-Nov-93	F41	CCQ 004	<1.04	<1.01	<1.16	<0.97	3.38	<1000.00	14000.00
20900	2288-02	2288-01	09-Feb-94	F42	CJP 004						<1000.00	29000.00
20900	2465-07	NC	10-Mar-94	F42	CKK 011	<1.04	<1.01	<1.16	<0.97	<1.41		
20900	2872-06	2872-01	09-May-94	F43	CLB 009	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	30.00
20900	3750-02	3750-01	25-Aug-94	F44	DEO 004	<1.04	<1.01	<1.16	<0.97	5.60		
20900	3750-02	3750-01	25-Aug-94	F44	DEE 004						<1000.00	28000.00
20900	4332-02	4332-01	08-Nov-94	F45	DNA 004	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	18000.00
20900	4819-02	4819-01	01-Feb-95	F46	DPJ 005	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	19400.00
20900	5413-10	5413-09	02-May-95	F47	DXT 004	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	
20900	5413-10	5413-09	03-May-95	F47	DWI 012							14600.00
20900	6350-02	6350-01	14-Aug-95	F48	ETX 004	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	27000.00
21000	1699-04	1699-01	11-Nov-93	F41	CCQ 006	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	93000.00
21000	2288-04	2288-01	09-Feb-94	F42	CJP 006						<1000.00	21000.00
21000	2465-08	NC	10-Mar-94	F42	CKK 012	<1.04	<1.01	<1.16	<0.97	<1.41		
21000	2872-04	2872-01	09-May-94	F43	CLB 007	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	32.00
21000	3750-04	3750-01	25-Aug-94	F44	DEO 006	<1.04	<1.01	<1.16	<0.97	28.40		
21000	3750-04	3750-01	25-Aug-94	F44	DEE 006						<1000.00	22000.00
21000	4332-04	4332-01	08-Nov-94	F45	DNA 006	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	17000.00
21000	4819-04	4819-01	01-Feb-95	F46	DPJ 007	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	17500.00
21000	5413-15	5413-09	03-May-95	F47	DXT 010	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	13600.00
21000	6350-04	6350-01	14-Aug-95	F48	ETX 005	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	24000.00
21100	1699-09	1699-01	11-Nov-93	F41	CCQ 012	<1.04	<1.01	<1.16	<0.97	<1.41	1000.00	12000.00
21100	2291-03	NC	10-Feb-94	F42	CJP 011						<1000.00	11000.00
21100	2465-09	NC	10-Mar-94	F42	CKK 013	<1.04	<1.01	<1.16	<0.97	<1.41		
21100	2900-07	2900-01	12-May-94	F43	CLC 007	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	18.00
21100	3750-09	3750-01	25-Aug-94	F44	DEO 012	<1.04	<1.01	<1.16	<0.97	20.40		
21100	3750-09	3750-01	25-Aug-94	F44	DEE 011						<1000.00	7700.00
21100	4343-03	NC	09-Nov-94	F45	DNA 012	<1.04	<1.01	<1.16	<0.97	2.90	1200.00	7000.00
21100	5413-05	5413-09	02-May-95	F47	DWN 008	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	8300.00
21100	6350-09	6350-01	14-Aug-95	F48	ETX 010	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	11000.00

TABLE II - 5
TCAAP Surface Water Quality Data (Organics) - ug/l

Location (1)	Sample Lab #	Trip Blank Lab #	Date	Qtr (2)	Lot #	Trichloro ethene TRCLE	1,1-Dichloro ethene 11DCE	1,1,1-Trichloro ethane 111TCE	1,1-Dichloro ethane 11DCLE	Methylene Chloride CH2CL2	Oil & Grease OILGR (mg/l)	Total Organic Carbon TOC
TCAAP SW Action Criteria (3)						15	0.33	18000	9.4			
21200	2900-05	2900-01	12-May-94	F43	CLC 013	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	21.00
21200	5413-06	5413-09	02-May-95	F47	DWN 009	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	15300.00
21300	2900-03	2900-01	12-May-94	F43	CLC 011	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	33.00
21300	5413-07	5413-09	02-May-95	F47	DWN 010	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	9700.00
21400	2900-04	2900-01	12-May-94	F43	CLC 012	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	21.00
21400	5413-08	5413-09	02-May-95	F47	DWN 011	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	7800.00
21600	2900-08	2900-01	12-May-94	F43	CLC 014	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	5.70
21600	5413-11	5413-09	03-May-95	F47	DXT 005	<1.04	<1.01	<1.16	<0.97	<1.41	<1000.00	7600.00

Table II-6

TCAAP Surface Water Quality Data (Inorganics)

Notes:

(1) Sites refer to monitoring locations illustrated on Figure IV-51 of this report.

(2) Qtr = Quarter. Under this heading, F = FCC.

(3) TCAAP SW Action Criteria = surface water action criteria set forth in Table 3.7B of the Federal Facilities Agreement. Criteria also exist for cadmium, chromium, and lead, but these are not shown since they involve a calculation using hardness. Refer to Table 3.7B (above) for these calculations.

(4) Field blank collected at this location. See Appendix C for FY 95 field blank data.

(5) These entries are the lot and sample numbers for the corresponding data points.

Shading denotes FY 1995 exceedances or potential exceedances of TCAAP action criteria. Exceedances are concentrations greater than the TCAAP action criteria. Potential exceedances are values reported as "less than the method detection limit," where the method detection limit is greater than the TCAAP action criteria.

TABLE II - 6
TCAAP Surface Water Quality Data (Inorganics)

Location (1)	Trip Blank Lab #	Date	Qtr (2)	Silver AG (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Ortho Phosphates PO4ORT (ug/l)	Total Phosphates TPO4 (ug/l)	Zinc ZN (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMAG (pC/l)
TCAAP SW Action Criteria (3)						11.00		13.40		0.14	5.20			47.00			
20100 (4)	NC	07-Oct-93	F41									<12.10	28.10				
20100 (5)	NC	07-Oct-93	F41									BYN 009	BYO 009				
20100	1699-01	11-Nov-93	F41		<0.10	<2.18	<0.50	<5.94			<8.35	<12.10	17.10	31.10	<3.70	6.70	<8.80
20100 (5)	1699-01	11-Nov-93	F41		CCR 009	CCS 009	CCT 009	CCU 009			CCX 009	CCV 008	CCW 009	CCY 009	CDK 003	CDK 003	CDL 003
20100	NC	08-Dec-93	F41									<12.10	15.10				
20100 (5)	NC	08-Dec-93	F41									CDN 006	CDO 007				
20100		18-Dec-93	F41														
20100 (5)		18-Dec-93	F41														
20100	NC	13-Jan-94	F42									49.50	30.10				
20100 (5)	NC	13-Jan-94	F42									CIU 003	CIV 004				
20100		09-Feb-94	F42														
20100 (5)		09-Feb-94	F42														
20100	NC	10-Feb-94	F42		0.68	<2.18	2.50	<5.94			<8.35	<12.10	23.10	40.10	6.90	17.90	<21.20
20100 (5)	NC	10-Feb-94	F42		CJI 009	CJJ 009	CJK 009	CJL 010			CJM 009	CJD 009	CJE 009	CJN 009	CJX 003	CJX 003	CJY 003
20100	NC	10-Mar-94	F42									<12.10	20.90				
20100 (5)	NC	10-Mar-94	F42									CKC 007	CKD 007				
20100	NC	11-Apr-94	F43									<12.10	22.10				
20100 (5)	NC	11-Apr-94	F43									CKL 006	CKM 007				
20100	2900-01	12-May-94	F43	<1.93	<0.10	<2.18	1.09	<5.94	<2.65	<0.70	<5.00	68.10	65.30	45.10	<2.00	10.90	<21.50
20100 (5)	2900-01	12-May-94	F43	CLI 016	CLD 017	CLE 017	CLF 016	CLG 016	CLH 017	CLJ 013	CLN 014	CLL 008	CLM 013	CLO 013	CMA 010	CMA 010	CMB 010
20100	NC	01-Jun-94	F43									17.50	47.90				
20100 (5)	NC	01-Jun-94	F43									CPN 007	CPO 007				
20100	NC	22-Jul-94	F44									<12.10	98.40				
20100 (5)	NC	22-Jul-94	F44									CYX 007	CYY 007				
20100	3750-01	25-Aug-94	F44		<0.10	2.95	7.85	<5.94			<8.35	<12.10	140.00	114.00	<2.40	<5.00	310.00
20100 (5)	3750-01	25-Aug-94	F44		DDX 009	DDY 009	DDZ 021	DEA 009			DEB 009	DDS 009	DDT 009	DEC 009	DEL 003	DEL 003	DEL 003
20100	NC	28-Sep-94	F44									<12.10	59.20				
20100 (5)	NC	28-Sep-94	F44									DIS 007	DIT 007				
20100		07-Oct-94	F45									L<12.10	165.00				
20100 (5)		07-Oct-94	F45									DKK 007	DKL 007				
20100		08-Nov-94	F45														
20100 (5)		08-Nov-94	F45														
20100		09-Nov-94	F45		<0.10	<2.18	11.20	<5.94			<8.35	<12.10	15.50	35.10	<3.70	4.00	<10.90
20100 (5)		09-Nov-94	F45		DNG 011	DNH 009	DNI 008	DNJ 009			DNK 009	DNB 009	DNC 009	DNL 009	DNV 003	DNV 003	DNW 003
20100		08-Dec-94	F45									<12.10	17.70				
20100 (5)		08-Dec-94	F45									DOA 006	DOB 007				

TABLE II - 6
TCAAP Surface Water Quality Data (Inorganics)

Location (1)	Trip Blank Lab #	Date	Qtr (2)	Biological Oxygen Demand BOD (ug/l)	Chemical Oxygen Demand COD (mg/l)	Dissolved Oxygen DO (ug/l)	Ammonia NH3 (ug/l)	Chloride CL (ug/l)	Lab pH	Lab onductivity COND (umho)	Total Suspended Solids TSS (ug/l)	Coliform COLI (/100ml)	Cobalt CO60 (pC/l)	Cesium CS137 (pC/l)	Uranium U234 (pC/l)	Uranium U235 (pC/l)	Uranium U238 (pC/l)
TCAAP SW Action Criteria (3)																	
20100 (4)	NC	07-Oct-93	F41			2240.00		20100	6.72	292.00	3000.00						
20100 (5)	NC	07-Oct-93	F41			BYT 006		BYQ 009	BYS 006	BYU 006	BYP 008						
20100	1699-01	11-Nov-93	F41	<4000.00	20.00	2140.00	140.00	23000	8.54	290.00	1000.00	10.00	<3.80	<5.00	<0.30	<0.30	<0.30
20100 (5)	1699-01	11-Nov-93	F41	CDE 008	CDB 010	CDI 006	CDF 008	CDC 008	CDH 006	CDJ 006	CCZ 008	CDG 002	CDL 003	CDL 003	CDM 003	CDM 003	CDM 003
20100	NC	08-Dec-93	F41					22000			7000.00						
20100 (5)	NC	08-Dec-93	F41					CDQ 007			CDP 006						
20100		18-Dec-93	F41			1790.00			7.70	289.00							
20100 (5)		18-Dec-93	F41			CDT 004			CDS 004	CDU 004							
20100	NC	13-Jan-94	F42			2430.00		28000	6.33	392.00	<1000.00						
20100 (5)	NC	13-Jan-94	F42			CJA 001		CIX 003	CIZ 001	CJB 001	CIW 002						
20100		09-Feb-94	F42			1100.00			6.85	454.00							
20100 (5)		09-Feb-94	F42			CJV 006			CJU 006	CJW 006							
20100	NC	10-Feb-94	F42	<4000.00	29.00		0.30	35000			6000.00	<10.00	<10.00	<11.20	0.10	<0.10	<0.10
20100 (5)	NC	10-Feb-94	F42	CJQ 008	CJO 010		CJR 008	CJG 009			CJF 008	CJT 002	CJY 003	CJY 003	CJZ 003	CJZ 003	CJZ 003
20100	NC	10-Mar-94	F42			980.00		38000	7.78	449.00	3000.00						
20100 (5)	NC	10-Mar-94	F42			CKI 004		CKF 007	CKH 004	CKJ 004	CKE 006						
20100	NC	11-Apr-94	F43			3030.00		37000	7.25	369.00	<1000.00						
20100 (5)	NC	11-Apr-94	F43			CKR 004		CKO 006	CKQ 004	CKS 004	CKN 006						
20100	2900-01	12-May-94	F43	<4.00	36.00	0.002	0.11	28400	7.13	286.00	24000.00	<10.00	<9.50	<12.00	0.90	0.20	0.30
20100 (5)	2900-01	12-May-94	F43	CMG 007	CLS 012	CME 010	CLX 012	CLR 011	CMD 010	CMF 010	CLP 012	CLW 006	CMB 010	CMB 010	CMC 010	CMC 010	CMC 010
20100	NC	01-Jun-94	F43			0.001		25900	7.06	305.00	5000.00						
20100 (5)	NC	01-Jun-94	F43			CPT 004		CPQ 006	CPS 004	CPU 004	CPP 006						
20100	NC	22-Jul-94	F44			450.00		16500	6.64	304.00	4000.00						
20100 (5)	NC	22-Jul-94	F44			CZD 004		CZA 007	CZC 004	CZE 004	CYZ 006						
20100	3750-01	25-Aug-94	F44	10000.00	69.00	1220.00	380.00	16400	6.68	306.00	11000.00	230.00	<5.00	<4.30	1.00	<0.20	<0.40
20100 (5)	3750-01	25-Aug-94	F44	DEF 008	DED 009	DEJ 006	DEG 008	DDV 009	DEI 006	DEK 006	DDU 008	DEH 007	DEL 003	DEL 003	DEL 003	DEL 003	DEL 003
20100	NC	28-Sep-94	F44			730.00		31000	6.55	285.00	6000.00						
20100 (5)	NC	28-Sep-94	F44			DIY 004		DIV 007	DIX 004	DIZ 004	DIU 006						
20100		07-Oct-94	F45			2080		2400.00	6.87	315.00	35000.00						
20100 (5)		07-Oct-94	F45			DKQ 004		DKN 006	DKP 004	DKR 004	DKM 006						
20100		08-Nov-94	F45						6.20			<10.00					
20100 (5)		08-Nov-94	F45						DNS 006			DNQ 004					
20100		09-Nov-94	F45	<4000.00	39.80	1800	150	40000.00		255.00	7000.00	<10.00					
20100 (5)		09-Nov-94	F45	DNO 008	DNM 009	DNT 006	DNP 008	DNE 009		DNU 006	DND 008	DNR 002					
20100		08-Dec-94	F45			2170		33700.00	7.64	307.00	2000.00						
20100 (5)		08-Dec-94	F45			DOG 004		DOD 009	DOF 004	DOH 004	DOC 006						

TABLE II - 6
TCAAP Surface Water Quality Data (Inorganics)

Location (1)	Trip Blank Lab #	Date	Qtr (2)	Silver AG (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Ortho Phosphates PO4ORT (ug/l)	Total Phosphates TPO4 (ug/l)	Zinc ZN (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMAG (pC/l)
TCAAP SW Action Criteria (3)						11.00		13.40		0.14	5.20			47.00			
20100		17-Jan-95	F46									<12.10	36.10				
20100 (5)		17-Jan-95	F46									DOI 061	DOJ 007				
20100		01-Feb-95	F46		<0.10	<2.18	7.33	<5.94	<2.65		<8.35	<12.10	34.10	<29.40			
20100 (5)		01-Feb-95	F46		DOV 009	DOW 009	DOX 009	DOZ 009	OY 004		DPC 009	DOQ 031	DOR 009	DPD 009			
20100		02-Mar-95	F46									<12.10	52.20				
20100 (5)		02-Mar-95	F46									DQH 005	DQI 005				
20100		04-Apr-95	F47									<12.10	35.10				
20100 (5)		04-Apr-95	F47									DTA 037	DTB 007				
20100		02-May-95	F47	<1.93	0.13	<2.18	6.89	11.60	3.42	<0.70	<8.35	<12.10	12.00	49.10	<3.70	6.10	<8.00
20100 (5)		02-May-95	F47	DWD 019	DVY 014	DVZ 007	DWA 005	DWC 005	WB 005	DWE 007	DWF 004	DVS 010	DVU 005	DWG 005	DWP 002	DWP 002	DWQ 002
20100		08-Jun-95	F47									<12.10	60.20				
20100 (5)		08-Jun-95	F47									EEC 015	EED 007				
20100		12-Jul-95	F48									<12.10	58.20				
20100 (5)		12-Jul-95	F48									ENO 007	ENP 017				
20100		14-Aug-95	F48		0.13	<2.18	4.26	R 7.56	3.57		<8.35	<12.10	171.00	55.10			
20100 (5)		14-Aug-95	F48		ETJ 038	ETK 009	ETL 055	ETN 011	TM 015		ETQ 008	ETE 018	ETF 009	ETR 012			
20100		19-Sep-95	F48										76.30				
20100 (5)		19-Sep-95	F48										EWF 004				
20200	NC	07-Oct-93	F41									51.1	50.20				
20200 (5)	NC	07-Oct-93	F41									BYN 003	BYO 004				
20200	1699-01	11-Nov-93	F41		<0.10	<2.18	2.75	<5.94			<8.35	<12.10	110.00	<29.40			
20200 (5)	1699-01	11-Nov-93	F41		CCR 012	CCS 012	CCT 012	CCU 012			CCX 012	CCV 012	CCW 012	CCY 012			
20200	NC	08-Dec-93	F41									<12.10	45.20				
20200 (5)	NC	08-Dec-93	F41									CDN 008	CDO 008				
20200		18-Dec-93	F41														
20200 (5)		18-Dec-93	F41														
20200	NC	13-Jan-94	F42									93.50	141.00				
20200 (5)	NC	13-Jan-94	F42									CIU 004	CIV 005				
20200		09-Feb-94	F42														
20200 (5)		09-Feb-94	F42														
20200	NC	10-Feb-94	F42		0.39	<2.18	3.21	<5.94			<8.35	<12.10	321.00	30.10			
20200 (5)	NC	10-Feb-94	F42		CJI 012	CJJ 012	CJK 012	CJL 011			CJM 012	CJD 012	CJE 012	CJN 012			
20200	NC	10-Mar-94	F42									26.80	70.00				
20200 (5)	NC	10-Mar-94	F42									CKC 008	CKD 008				
20200	NC	11-Apr-94	F43									<12.10	55.20				

TABLE II - 6
TCAAP Surface Water Quality Data (Inorganics)

Location (1)	Trip Blank Lab #	Date	Qtr (2)	Biological Oxygen Demand BOD (ug/l)	Chemical Oxygen Demand COD (mg/l)	Dissolved Oxygen DO (ug/l)	Ammonia NH3 (ug/l)	Chloride CL (ug/l)	Lab pH	Lab onductivity COND (umho)	Total Suspended Solids TSS (ug/l)	Coliform COLI (/100ml)	Cobalt CO60 (pC/l)	Cesium CS137 (pC/l)	Uranium U234 (pC/l)	Uranium U235 (pC/l)	Uranium U238 (pC/l)
TCAAP SW Action Criteria (3)																	
20100		17-Jan-95	F46			1180		38600.00	6.88	351.00	7000.00						
20100 (5)		17-Jan-95	F46			DOO 004		DOL 014	DON 004	DOP 004	DOK 006						
20100		01-Feb-95	F46	<4000.00	40.00	850	360	37700.00	7.08	336.00	5000.00	<10.00					
20100 (5)		01-Feb-95	F46	DPG 008	DPE 010	DPL 006	DPH 008	DOT 030	DPK 006	DPM 006	DOS 008	DPI 007					
20100		02-Mar-95	F46			640.00		44900.00	6.72		9000.00						
20100 (5)		02-Mar-95	F46			DQN 002		DQK 018	DQM 002		DQJ 004						
20100		04-Apr-95	F47			3250		39900.00	7.18	442.00	5000.00						
20100 (5)		04-Apr-95	F47			DTG 004		DTD 024	DTF 004	DTH 004	DTC 006						
20100		02-May-95	F47	<4000.00	34.00	4300	110000	39500.00	7.44	360.00	<1000.00	200.00	<5.00	<8.00	3.70	<1.00	<0.90
20100 (5)		02-May-95	F47	DWJ 004	DWH 005	DWT 002	DWK 004	DVW 004	DWS 002	DWU 002	DVV 004	DWL 003	DWQ 002	DWQ 002	DWR 002	DWR 002	DWR 002
20100		08-Jun-95	F47			1230		#########	6.60	320.00	14000.00						
20100 (5)		08-Jun-95	F47			EEI 004		EEF 033	EEH 004	EEJ 004	EEE 006						
20100		12-Jul-95	F48			1170		#########	6.56	306.00	4000.00						
20100 (5)		12-Jul-95	F48			ENU 004		ENR 013	ENT 004	ENV 004	ENQ 006						
20100		14-Aug-95	F48	6000.00	48.00	920	120000	16.50	7.02	278.00	11000.00	620.00					
20100 (5)		14-Aug-95	F48	ETU 008	ETS 008	ETZ 006	ETV 008	ETH 018	ETY 006	EUA 006	ETG 008	ETW 007					
20100		19-Sep-95	F48			1100		28500.00	6.90	354.00	29000.00						
20100 (5)		19-Sep-95	F48			EWK 001		EWH 035	EWJ 001	EWL 001	EWG 003						
20200	NC	07-Oct-93	F41			9000.00		140000	7.89	858.00	6000.00						
20200 (5)	NC	07-Oct-93	F41			BYT 001		BYQ 003	BYS 001	BYU 001	BYP 003						
20200	1699-01	11-Nov-93	F41	<4000.00	12.00	6500.00	400.00	79000	8.21	804.00	5000.00	<10.00					
20200 (5)	1699-01	11-Nov-93	F41	CDE 011	CDB 013	CDI 009	CDF 011	CDC 012	CDH 009	CDJ 009	CCZ 011	CDG 003					
20200	NC	08-Dec-93	F41					98000			2000.00						
20200 (5)	NC	08-Dec-93	F41					CDQ 008			CDP 007						
20200		18-Dec-93	F41			8500.00			7.98	890.00							
20200 (5)		18-Dec-93	F41			CDT 005			CDS 005	CDU 005							
20200	NC	13-Jan-94	F42			10200.00		110000	6.88	839.00	1000.00						
20200 (5)	NC	13-Jan-94	F42			CJA 002		CIX 004	CIZ 002	CJB 002	CIW 003						
20200		09-Feb-94	F42			2210.00			8.65	900.00							
20200 (5)		09-Feb-94	F42			CJV 009			CJU 009	CJW 009							
20200	NC	10-Feb-94	F42	7000.00	15.00		0.59	97000			16000.00	<10.00					
20200 (5)	NC	10-Feb-94	F42	CJQ 011	CJO 013		CJR 011	CJG 012			CJF 011	CJT 005					
20200	NC	10-Mar-94	F42			9030.00		100000	8.41	872.00	3000.00						
20200 (5)	NC	10-Mar-94	F42			CKI 005		CKF 008	CKH 005	CKJ 005	CKE 007						
20200	NC	11-Apr-94	F43			8140.00		310000	8.14	1030.00	9000.00						

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TCAAP Surface Water Quality Data (Inorganics)

Location (1)	Trip Blank Lab #	Date	Qtr (2)	Silver AG (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Ortho Phosphates PO4ORT (ug/l)	Total Phosphates TPO4 (ug/l)	Zinc ZN (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMAG (pC/l)
TCAAP SW Action Criteria (3)						11.00		13.40		0.14	5.20			47.00			
20200 (5)	NC	11-Apr-94	F43									CKL 008	CKM 008				
20200	2900-01	12-May-94	F43	<1.93	<0.10	<2.18	1.98	<5.94	<2.65	<0.70	<5.00	39.00	72.30	40.10	2.60	6.30	<6.90
20200 (5)	2900-01	12-May-94	F43	CLI 019	CLD 020	CLE 020	CLF 019	CLG 019	CLH 020	CLJ 016	CLN 017	CLL 011	CLM 016	CLO 016	CMA 013	CMA 013	CMB 013
20200	NC	01-Jun-94	F43									23.40	45.10				
20200 (5)	NC	01-Jun-94	F43									CPN 008	CPO 008				
20200	NC	22-Jul-94	F44									<12.10	48.20				
20200 (5)	NC	22-Jul-94	F44									CYX 008	CYY 008				
20200	3750-01	25-Aug-94	F44		<0.10	<2.18	11.10	7.02			<8.35	<12.10	74.40	211.00			
20200 (5)	3750-01	25-Aug-94	F44		DDX 012	DDY 012	DDZ 024	DEA 012			DEB 013	DDS 012	DDT 012	DEC 012			
20200	NC	28-Sep-94	F44									<12.10	79.30				
20200 (5)	NC	28-Sep-94	F44									DIS 008	DIT 008				
20200		07-Oct-94	F45									L<12.10	72.30				
20200 (5)		07-Oct-94	F45									DKK 008	DKL 008				
20200		08-Nov-94	F45														
20200 (5)		08-Nov-94	F45														
20200		09-Nov-94	F45		<0.10	<2.18	6.46	<5.94			<8.35	<12.10	42.80	42.10			
20200 (5)		09-Nov-94	F45		DNG 014	DNH 012	DNI 011	DNJ 012			DNK 012	DNB 012	DNC 012	DNL 012			
20200		08-Dec-94	F45									<12.10	46.60				
20200 (5)		08-Dec-94	F45									DOA 007	DOB 008				
20200		17-Jan-95	F46									<12.10	151.00				
20200 (5)		17-Jan-95	F46									DOI 062	DOJ 008				
20200		01-Feb-95	F46	<1.93	<0.10	<2.18	14.40	<5.94			<8.35	<12.10	23.10	<29.40			
20200 (5)		01-Feb-95	F46	DPA 010	DOV 011	DOW 011	DOX 011	DOZ 011			DPC 011	DOQ 039	DOR 011	DPD 011			
20200		02-Mar-95	F46									<12.10	81.30				
20200 (5)		02-Mar-95	F46									DQH 006	DQI 006				
20200		04-Apr-95	F47									<12.10	61.20				
20200 (5)		04-Apr-95	F47									DTA 038	DTB 008				
20200		02-May-95	F47	<1.93	<0.10	<2.18	5.41	<5.94	<2.65	<0.70	<8.35	<12.10	57.20	31.10			<14.20
20200 (5)		02-May-95	F47	DWD 021	DVY 016	DVZ 009	DWA 007	DWC 007	WB 007	DWE 009	DWF 008	DVS 014	DVU 007	DWG 007			DWQ 004
20200		08-Jun-95	F47									<12.10	62.20				
20200 (5)		08-Jun-95	F47									EEC 019	EED 009				
20200		12-Jul-95	F48									<12.10	43.20				
20200 (5)		12-Jul-95	F48									ENO 009	ENP 020				
20200		14-Aug-95	F48	<1.93	0.14	<2.18	4.06	R<5.94			<8.35	<12.10	62.20	<29.40			
20200 (5)		14-Aug-95	F48	ETO 025	ETJ 044	ETK 012	ETL 061	ETN 016			ETQ 012	ETE 023	ETF 012	ETR 017			
20200		19-Sep-95	F48									<12.10	36.10				

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TCAAP Surface Water Quality Data (Inorganics)

Location (1)	Trip Blank Lab #	Date	Qtr (2)	Biological Oxygen Demand BOD (ug/l)	Chemical Oxygen Demand COD (mg/l)	Dissolved Oxygen DO (ug/l)	Ammonia NH3 (ug/l)	Chloride CL (ug/l)	pH	Lab onductivity COND (umho)	Total Suspended Solids TSS (ug/l)	Coliform COLI (/100ml)	Cobalt CO60 (pC/l)	Cesium CS137 (pC/l)	Uranium U234 (pC/l)	Uranium U235 (pC/l)	Uranium U238 (pC/l)
TCAAP SW Action Criteria (3)																	
20200 (5)	NC	11-Apr-94	F43			CKR 005		CKO 008	CKQ 005	CKS 005	CKN 007						
20200	2900-01	12-May-94	F43	<4.00	42.00	0.01	<0.05	36800	7.50	408.00	6000.00	10.00	<4.40	<2.50	1.40	0.30	0.60
20200 (5)	2900-01	12-May-94	F43	CMG 010	CLS 015	CME 013	CLX 015	CLR 014	CMD 013	CMF 013	CLP 015	CLW 009	CMB 013	CMB 013	CMC 013	CMC 013	CMC 013
20200	NC	01-Jun-94	F43			0.01		96000	7.46	768.00	<1000.00						
20200 (5)	NC	01-Jun-94	F43			CPT 005		CPQ 009	CPS 005	CPU 005	CPP 007						
20200	NC	22-Jul-94	F44			3320.00		102000	8.09	744.00	<1000.00						
20200 (5)	NC	22-Jul-94	F44			CZD 005		CZA 008	CZC 005	CZE 005	CYZ 007						
20200	3750-01	25-Aug-94	F44	<4000.00	14.00	7790.00	400.00	135000	8.25	667.00	<1000.00	90.00					
20200 (5)	3750-01	25-Aug-94	F44	DEF 011	DED 012	DEJ 009	DEG 011	DDV 012	DEI 009	DEK 009	DDU 011	DEH 010					
20200	NC	28-Sep-94	F44			7300.00		210000	7.30	597.00	<1000.00						
20200 (5)	NC	28-Sep-94	F44			DIY 005		DIV 008	DIX 005	DIZ 005	DIU 007						
20200		07-Oct-94	F45			9350		7800.00	7.60	688.00	<1000.00						
20200 (5)		07-Oct-94	F45			DKQ 005		DKN 007	DKP 005	DKR 005	DKM 007						
20200		08-Nov-94	F45						7.68								
20200 (5)		08-Nov-94	F45						DNS 009								
20200		09-Nov-94	F45	<4000.00	13.50	5150	170	150000.00		593.00	<1000.00	<10.00					
20200 (5)		09-Nov-94	F45	DNO 011	DNM 012	DNT 009	DNP 011	DNE 013		DNU 009	DND 011	DNR 005					
20200		08-Dec-94	F45			7790		125000.00	7.74	610.00	<2000.00						
20200 (5)		08-Dec-94	F45			DOG 005		DOD 010	DOF 005	DOH 005	DOC 007						
20200		17-Jan-95	F46			11000		152000.00	7.07	522.00	13000.00						
20200 (5)		17-Jan-95	F46			DOO 005		DOL 015	DON 005	DOP 005	DOK 007						
20200		01-Feb-95	F46	<4000.00	9.00	10000	120	107000.00	7.01	627.00	<1000.00	<10.00					
20200 (5)		01-Feb-95	F46	DPG 010	DPE 012	DPL 008	DPH 010	DOT 038	DPK 008	DPM 008	DOS 010	DPI 009					
20200		02-Mar-95	F46			12500.00		101000.00	7.40		5000.00						
20200 (5)		02-Mar-95	F46			DQN 003		DQK 019	DQM 003		DQJ 005						
20200		04-Apr-95	F47			9200		116000.00	8.01	946.00	2000.00						
20200 (5)		04-Apr-95	F47			DTG 006		DTD 025	DTF 006	DTH 006	DTC 007						
20200		02-May-95	F47	<4000.00	28.00	9440	430000	117000.00	7.78	983.00	<1000.00	<10.00	<14.20	<5.80	2.20	1.00	1.80
20200 (5)		02-May-95	F47	DWJ 006	DWH 007	DWT 004	DWK 006	DVW 008	DWS 004	DWU 004	DVV 006	DWL 005	DWQ 004	DWQ 004	DWR 004	DWR 004	DWR 004
20200		08-Jun-95	F47			9900		#########	7.70	776.00	4000.00						
20200 (5)		08-Jun-95	F47			EEI 006		EEF 035	EEH 006	EEJ 006	EEE 008						
20200		12-Jul-95	F48			10200		#########	8.45	622.00	<1000.00						
20200 (5)		12-Jul-95	F48			ENU 006		ENR 015	ENT 006	ENV 006	ENQ 008						
20200		14-Aug-95	F48	<4000.00	15.00	9080	170000	63.00	7.84	725.00	6000.00	220.00					
20200 (5)		14-Aug-95	F48	ETU 011	ETS 011	ETZ 009	ETV 011	ETH 023	ETY 009	EUA 009	ETG 011	ETW 010					
20200		19-Sep-95	F48			7200		89200.00	8.26	420.00	11000.00						

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TCAAP Surface Water Quality Data (Inorganics)

Location (1)	Trip Blank Lab #	Date	Qtr (2)	Silver AG (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Ortho Phosphates PO4ORT (ug/l)	Total Phosphates TPO4 (ug/l)	Zinc ZN (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMAG (pC/l)
TCAAP SW Action Criteria (3)						11.00		13.40		0.14	5.20			47.00			
20200 (5)		19-Sep-95	F48									EWE 013	EWF 006				
20300	NC	07-Oct-93	F41									34.60	98.40				
20300 (5)	NC	07-Oct-93	F41									BYN 004	BYO 005				
20300	1699-01	11-Nov-93	F41		<0.10	4.58	<0.50	<5.94			<8.35	<12.10	78.30	<29.40	<8.00	<6.40	<6.90
20300 (5)	1699-01	11-Nov-93	F41		CCR 013	CCS 013	CCT 013	CCU 013			CCX 013	CCV 013	CCW 013	CCY 013	CDK 005	CDK 005	CDL 005
20300 (4)	NC	08-Dec-93	F41									<12.10	70.30				
20300 (5)	NC	08-Dec-93	F41									CDN 009	CDO 009				
20300		18-Dec-93	F41														
20300 (5)		18-Dec-93	F41														
20300	NC	13-Jan-94	F42									65.00	84.30				
20300 (5)	NC	13-Jan-94	F42									CIU 005	CIV 006				
20300		09-Feb-94	F42														
20300 (5)		09-Feb-94	F42														
20300 (4)	NC	10-Feb-94	F42		0.29	<2.18	9.57	<5.94			<8.35	<12.10	201.00	100.00	7.40	10.30	<18.30
20300 (5)	NC	10-Feb-94	F42		CJI 013	CJJ 013	CJK 013	CJL 012			CJM 013	CJD 013	CJE 013	CJN 013	CJX 005	CJX 005	CJY 005
20300 (4)	NC	10-Mar-94	F42									<12.10	17.20				
20300 (5)	NC	10-Mar-94	F42									CKC 009	CKD 009				
20300 (4)	NC	11-Apr-94	F43									<12.10	33.10				
20300 (5)	NC	11-Apr-94	F43									CKL 009	CKM 009				
20300 (4)	2900-01	12-May-94	F43	<1.93	<0.10	<2.18	1.88	<5.94	<2.65	<0.70	<5.00	51.80	74.30	40.10	6.00	<7.20	<14.40
20300 (5)	2900-01	12-May-94	F43	CLI 020	CLD 021	CLE 021	CLF 020	CLG 020	CLH 021	CLJ 017	CLN 018	CLL 012	CLM 017	CLO 017	CMA 014	CMA 014	CMB 014
20300 (4)	NC	01-Jun-94	F43									33.50	80.60				
20300 (5)	NC	01-Jun-94	F43									CPN 009	CPO 009				
20300 (4)	NC	22-Jul-94	F44									<12.10	70.30				
20300 (5)	NC	22-Jul-94	F44									]	CYY 009				
20300 (4)	3750-01	25-Aug-94	F44		<0.10	<2.18	8.56	7.01			<8.35	<12.10	98.40	142.00	<2.90	<6.20	19.50
20300 (5)	3750-01	25-Aug-94	F44		DDX 013	DDY 013	DDZ 025	DEA 013			DEB 014	DDS 013	DDT 013	DEC 013	DEL 005	DEL 005	DEL 005
20300 (4)	NC	28-Sep-94	F44									<12.10	68.30				
20300 (5)	NC	28-Sep-94	F44									DIS 009	DIT 009				
20300		07-Oct-94	F45									L<12.10	57.90				
20300 (5)		07-Oct-94	F45									DKK 009	DKL 009				
20300		08-Nov-94	F45														
20300 (5)		08-Nov-94	F45														
20300		09-Nov-94	F45		<0.10	<2.18	8.29	<5.94			<8.35	<12.10	48.20	53.10	<4.80	7.50	10.00
20300 (5)		09-Nov-94	F45		DNG 015	DNH 013	DNI 012	DNJ 013			DNK 013	DNB 013	DNC 013	DNL 013	DNV 005	DNV 005	DNW 005

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TCAAP Surface Water Quality Data (Inorganics)

Location (1)	Trip Blank Lab #	Date	Qtr (2)	Biological Oxygen Demand BOD (ug/l)	Chemical Oxygen Demand COD (mg/l)	Dissolved Oxygen DO (ug/l)	Ammonia NH3 (ug/l)	Chloride CL (ug/l)	Lab pH	Lab onductivity COND (umho)	Total Suspended Solids TSS (ug/l)	Coliform COLI (/100ml)	Cobalt CO60 (pC/l)	Cesium CS137 (pC/l)	Uranium U234 (pC/l)	Uranium U235 (pC/l)	Uranium U238 (pC/l)
TCAAP SW Action Criteria (3)																	
20200 (5)		19-Sep-95	F48			EWK 003		EWH 039	EWJ 003	EWL 003	EWG 005						
20300	NC	07-Oct-93	F41			8440.00		118000	7.76	937.00	7000.00						
20300 (5)	NC	07-Oct-93	F41			BYT 002		BYQ 004	BYS 002	BYU 002	BYP 004						
20300	1699-01	11-Nov-93	F41	<4000.00	10.00	7390.00	2900.00	98000	8.30	880.00	<1000.00	<10.00	<2.90	<4.00	<0.40	<0.50	<0.90
20300 (5)	1699-01	11-Nov-93	F41	CDE 012	CDB 014	CDI 010	CDF 012	CDC 013	CDH 010	CDJ 010	CCZ 012	CDG 004	CDL 005	CDL 005	CDM 005	CDM 005	CDM 005
20300 (4)	NC	08-Dec-93	F41					86000			5000.00						
20300 (5)	NC	08-Dec-93	F41					CDQ 009			CDP 008						
20300		18-Dec-93	F41			10200.00			8.08	856.00							
20300 (5)		18-Dec-93	F41			CDT 006			CDS 006	CDU 006							
20300	NC	13-Jan-94	F42			9310.00		69000	8.07	894.00	9000.00						
20300 (5)	NC	13-Jan-94	F42			CJA 003		CIX 005	CIZ 003	CJB 003	CIW 004						
20300		09-Feb-94	F42			800.00			7.81	725.00							
20300 (5)		09-Feb-94	F42			CJV 010			CJU 010	CJW 010							
20300 (4)	NC	10-Feb-94	F42	<4000.00	42.00		1.10	51000			10000.00	<10.00	<9.40	<8.90	0.30	<0.10	0.30
20300 (5)	NC	10-Feb-94	F42	CJQ 012	CJO 014		CJR 012	CJG 013			CJF 012	CJT 006	CJY 005	CJY 005	CJZ 005	CJZ 005	CJZ 005
20300 (4)	NC	10-Mar-94	F42			9500.00		65000	8.72	773.00	2000.00						
20300 (5)	NC	10-Mar-94	F42			CKI 006		CKF 009	CKH 006	CKJ 006	CKE 008						
20300 (4)	NC	11-Apr-94	F43			10500.00		63000	8.31	815.00	<1000.00						
20300 (5)	NC	11-Apr-94	F43			CKR 006		CKO 009	CKQ 006	CKS 006	CKN 008						
20300 (4)	2900-01	12-May-94	F43	<4.00	12.00	0.01	0.24	106000	7.63	797.00	3000.00	<10.00	<6.30	<8.10	1.80	0.40	1.30
20300 (5)	2900-01	12-May-94	F43	CMG 011	CLS 016	CME 014	CLX 016	CLR 019	CMD 014	CMF 014	CLP 016	CLW 010	CMB 014	CMB 014	CMC 014	CMC 014	CMC 014
20300 (4)	NC	01-Jun-94	F43			0.01		125000	7.85	873.00	<1000.00						
20300 (5)	NC	01-Jun-94	F43			CPT 006		CPQ 010	CPS 006	CPU 006	CPP 008						
20300 (4)	NC	22-Jul-94	F44			3640.00		102000	8.09	869.00	3000.00						
20300 (5)	NC	22-Jul-94	F44			CZD 006		CZA 009	CZC 006	CZE 006	CYZ 008						
20300 (4)	3750-01	25-Aug-94	F44	5000.00	10.00	6910.00	230.00	123000	8.29	653.00	<1000.00	3000.00	<9.50	<8.00	1.60	<0.50	0.60
20300 (5)	3750-01	25-Aug-94	F44	DEF 012	DED 013	DEJ 010	DEG 012	DDV 013	DEI 010	DEK 010	DDU 012	DEH 011	DEL 005	DEL 005	DEL 005	DEL 005	DEL 005
20300 (4)	NC	28-Sep-94	F44			6640.00		94000	8.21	607.00	<1000.00						
20300 (5)	NC	28-Sep-94	F44			DIY 006		DIV 009	DIX 006	DIZ 006	DIU 008						
20300		07-Oct-94	F45			6540		3600.00	7.73	517.00	<1000.00						
20300 (5)		07-Oct-94	F45			DKQ 006		DKN 008	DKP 006	DKR 006	DKM 008						
20300		08-Nov-94	F45						7.97								
20300 (5)		08-Nov-94	F45						DNS 010								
20300		09-Nov-94	F45	<4000.00	<2.60	5700	60	110000.00		561.00	<1000.00	10.00					
20300 (5)		09-Nov-94	F45	DNO 012	DNM 013	DNT 010	DNP 012	DNE 014		DNU 010	DND 012	DNR 006					

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TCAAP Surface Water Quality Data (Inorganics)

Location (1)	Trip Blank Lab #	Date	Qtr (2)	Silver AG (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Ortho Phosphates PO4ORT (ug/l)	Total Phosphates TPO4 (ug/l)	Zinc ZN (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMAG (pC/l)
TCAAP SW Action Criteria (3)						11.00		13.40		0.14	5.20			47.00			
20300		08-Dec-94	F45									<12.10	44.80				
20300 (5)		08-Dec-94	F45									DOA 008	DOB 009				
20300		17-Jan-95	F46									<12.10	291.00				
20300 (5)		17-Jan-95	F46									DOI 063	DOJ 009				
20300		01-Feb-95	F46	<1.93	0.29	<2.18	5.96	<5.94			<8.35	<12.10	68.30	<29.40			
20300 (5)		01-Feb-95	F46	DPA 011	DOV 012	DOW 012	DOX 012	DOZ 012			DPC 012	DOQ 045	DOR 012	DPD 012			
20300		02-Mar-95	F46									<12.10	16.10				
20300 (5)		02-Mar-95	F46									DQH 007	DQI 007				
20300		04-Apr-95	F47									<12.10	24.10				
20300 (5)		04-Apr-95	F47									DTA 039	DTB 009				
20300		02-May-95	F47	<1.93	<0.10	<2.18	4.33	7.46	<2.65	<0.70	<8.35	<12.10	34.10	34.10	<4.80	10.80	<8.00
20300 (5)		02-May-95	F47	DWD 020	DVY 015	DVZ 008	DWA 006	DWC 006	WB 006	DWE 008	DWF 007	DVS 013	DVU 006	DWG 006	DWP 003	DWP 003	DWQ 003
20300		08-Jun-95	F47									<12.10	40.20				
20300 (5)		08-Jun-95	F47									EEC 020	EED 010				
20300		12-Jul-95	F48									<12.10	51.20				
20300 (5)		12-Jul-95	F48									ENO 010	ENP 021				
20300		14-Aug-95	F48	<1.93	0.25	<2.18	3.96	R<5.94			<8.35	<12.10	54.20	<29.40			
20300 (5)		14-Aug-95	F48	ETO 026	ETJ 048	ETK 013	ETL 065	ETN 017			ETQ 013	ETE 024	ETF 013	ETR 018			
20300		19-Sep-95	F48									<12.10	69.30				
20300 (5)		19-Sep-95	F48									EWE 014	EWF 007				
20400	NC	07-Oct-93	F41									36.00	48.20				
20400 (5)	NC	07-Oct-93	F41									BYN 005	BYO 006				
20400	1699-01	11-Nov-93	F41		0.18	130.00	<0.50	<5.94			<8.35	16.50	36.10	<29.40			
20400 (5)	1699-01	11-Nov-93	F41		CCR 008	CCS 008	CCT 008	CCU 008			CCX 007	CCV 007	CCW 008	CCY 008			
20400	NC	08-Dec-93	F41									<12.10	30.10				
20400 (5)	NC	08-Dec-93	F41									CDN 005	CDO 006				
20400		18-Dec-93	F41														
20400 (5)		18-Dec-93	F41														
20400	NC	13-Jan-94	F42									12.30	40.20				
20400 (5)	NC	13-Jan-94	F42									CIU 008	CIV 008				
20400	2288-01	09-Feb-94	F42		0.19	5.41	2.12	<5.94			<8.35	<12.10	47.20	40.10			
20400 (5)	2288-01	09-Feb-94	F42		CJI 008	CJJ 008	CJK 008	CJL 008			CJM 007	CJD 007	CJE 008	CJN 008			
20400	NC	10-Mar-94	F42									<12.10	47.30				
20400 (5)	NC	10-Mar-94	F42									CKC 005	CKD 005				
20400	NC	11-Apr-94	F43									<12.10	39.20				

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TCAAP Surface Water Quality Data (Inorganics)

Location (1)	Trip Blank Lab #	Date	Qtr (2)	Biological Oxygen Demand BOD (ug/l)	Chemical Oxygen Demand COD (mg/l)	Dissolved Oxygen DO (ug/l)	Ammonia NH3 (ug/l)	Chloride CL (ug/l)	Lab pH	Conductivity COND (umho)	Total Suspended Solids TSS (ug/l)	Coliform COLI (/100ml)	Cobalt CO60 (pC/l)	Cesium CS137 (pC/l)	Uranium U234 (pC/l)	Uranium U235 (pC/l)	Uranium U238 (pC/l)
TCAAP SW Action Criteria (3)																	
20300		08-Dec-94	F45			9810		80500.00	8.12	570.00	2000.00						
20300 (5)		08-Dec-94	F45			DOG 006		DOD 011	DOF 006	DOH 006	DOC 008						
20300		17-Jan-95	F46			11600		61100.00	7.16	383.00	13000.00						
20300 (5)		17-Jan-95	F46			DOO 006		DOL 019	DON 006	DOP 006	DOK 008						
20300		01-Feb-95	F46		13.00	11800	540	133000.00	7.45	601.00	1000.00	120.00					
20300 (5)		01-Feb-95	F46		DPE 013	DPL 009	DPH 011	DOT 043	DPK 009	DPM 009	DOS 011	DPI 010					
20300		02-Mar-95	F46			16300.00		87000.00	7.96		7000.00						
20300 (5)		02-Mar-95	F46			DQN 004		DQK 022	DQM 004		DQJ 006						
20300		04-Apr-95	F47			12000		87500.00	8.20	866.00	2000.00						
20300 (5)		04-Apr-95	F47			DTG 007		DTD 026	DTF 007	DTH 007	DTC 008						
20300		02-May-95	F47	<4000.00	15.00	12900	190000	112000.00	7.25	915.00	<1000.00	<10.00	<6.00	<7.50	0.90	0.50	1.10
20300 (5)		02-May-95	F47	DWJ 005	DWH 006	DWT 003	DWK 005	DVW 006	DWS 003	DWU 003	DVV 005	DWL 004	DWQ 003	DWQ 003	DWR 003	DWR 003	DWR 003
20300		08-Jun-95	F47			10400		#########	7.77	681.00	4000.00						
20300 (5)		08-Jun-95	F47			EEI 007		EEF 036	EEH 007	EEJ 007	EEE 009						
20300		12-Jul-95	F48			8970		#########	7.78	875.00	2000.00						
20300 (5)		12-Jul-95	F48			ENU 007		ENR 021	ENT 007	ENV 007	ENQ 009						
20300		14-Aug-95	F48	<4000.00	5.00	9600	50000	47.90	7.61	639.00	6000.00	50.00					
20300 (5)		14-Aug-95	F48	ETU 012	ETS 012	ETZ 010	ETV 012	ETH 024	ETY 010	EUA 010	ETG 012	ETW 011					
20300		19-Sep-95	F48			8100		113000.00	8.05	821.00	1000.00						
20300 (5)		19-Sep-95	F48			EWK 004		EWH 040	EWJ 004	EWL 004	EWG 006						
20400	NC	07-Oct-93	F41			7880.00		61600	7.61	861.00	5000.00						
20400 (5)	NC	07-Oct-93	F41			BYT 003		BYQ 005	BYS 003	BYU 003	BYP 005						
20400	1699-01	11-Nov-93	F41	<4000.00	14.00	5260.00	220.00	42000	8.33	804.00	3000.00	<10.00					
20400 (5)	1699-01	11-Nov-93	F41	CDE 007	CDB 009	CDI 005	CDF 007	CDC 007	CDH 005	CDJ 005	CCZ 007	CDG 005					
20400	NC	08-Dec-93	F41					46000			3000.00						
20400 (5)	NC	08-Dec-93	F41					CDQ 005			CDP 005						
20400		18-Dec-93	F41			9500.00			8.06	823.00							
20400 (5)		18-Dec-93	F41			CDT 003			CDS 003	CDU 003							
20400	NC	13-Jan-94	F42			10200.00		52000	8.27	861.00	1000.00						
20400 (5)	NC	13-Jan-94	F42			CJA 005		CIX 008	CIZ 005	CJB 005	CIW 006						
20400	2288-01	09-Feb-94	F42	<4000.00	17.00	10200.00	0.50	58000	8.05	991.00	5000.00	10.00					
20400 (5)	2288-01	09-Feb-94	F42	CJQ 007	CJO 009	CJV 005	CJR 007	CJG 007	CJU 005	CJW 005	CJF 007	CJS 006					
20400	NC	10-Mar-94	F42			7570.00		57000	7.25	960.00	5000.00						
20400 (5)	NC	10-Mar-94	F42			CKI 002		CKF 004	CKH 002	CKJ 002	CKE 004						
20400	NC	11-Apr-94	F43			7500.00		64000	7.69	870.00	1000.00						

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TCAAP Surface Water Quality Data (Inorganics)

Location (1)	Trip Blank Lab #	Date	Qtr (2)	Silver AG (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Ortho Phosphates PO4ORT (ug/l)	Total Phosphates TPO4 (ug/l)	Zinc ZN (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMAG (pC/l)
TCAAP SW Action Criteria (3)						11.00		13.40		0.14	5.20			47.00			
20400 (5)	NC	11-Apr-94	F43									CKL 004	CKM 005				
20400	2872-01	09-May-94	F43	<1.93	0.19	<2.18	8.51	<5.94	<2.65	<0.70	<5.00	37.40	37.10	44.10	<4.70	9.40	<15.30
20400 (5)	2872-01	09-May-94	F43	CLI 007	CLD 008	CLE 008	CLF 007	CLG 007	CLH 008	CLJ 004	CLN 003	CLK 006	CLM 004	CLO 004	CMA 001	CMA 001	CMB 001
20400	NC	01-Jun-94	F43									17.80	50.70				
20400 (5)	NC	01-Jun-94	F43									CPN 004	CPO 005				
20400	NC	22-Jul-94	F44									<12.10	42.20				
20400 (5)	NC	22-Jul-94	F44									CYX 005	CYY 005				
20400	3750-01	25-Aug-94	F44		<0.10	3.66	7.07	9.03			<8.35	<12.10	35.70	63.10			
20400 (5)	3750-01	25-Aug-94	F44		DDX 008	DDY 008	DDZ 020	DEA 008			DEB 008	DDS 008	DDT 008	DEC 008			
20400	NC	28-Sep-94	F44									<12.10	38.20				
20400 (5)	NC	28-Sep-94	F44									DIS 005	DIT 005				
20400		07-Oct-94	F45									L<12.10	52.20				
20400 (5)		07-Oct-94	F45									DKK 005	DKL 005				
20400		08-Nov-94	F45		<0.10	<2.18	3.96	<5.94			<8.35	<12.10	35.50	36.10			
20400 (5)		08-Nov-94	F45		DNG 010	DNH 008	DNI 007	DNJ 008			DNK 007	DNB 008	DNC 008	DNL 008			
20400		08-Dec-94	F45									<12.10	39.40				
20400 (5)		08-Dec-94	F45									DOA 004	DOB 005				
20400		17-Jan-95	F46									<12.10	211.00				
20400 (5)		17-Jan-95	F46									DOI 059	DOJ 005				
20400		01-Feb-95	F46	<1.93	<0.10	<2.18	3.65	<5.94			<8.35	<12.10	44.20	<29.40			
20400 (5)		01-Feb-95	F46	DPA 008	DOV 008	DOW 008	DOX 008	DOZ 008			DPC 008	DOQ 025	DOR 008	DPD 008			
20400		02-Mar-95	F46									<12.10	28.10				
20400 (5)		02-Mar-95	F46									DQH 008	DQI 008				
20400		04-Apr-95	F47									<12.10	29.10				
20400 (5)		04-Apr-95	F47									DTA 035	DTB 005				
20400		02-May-95	F47												9.10	11.60	
20400 (5)		02-May-95	F47												DWP 004	DWP 004	
20400		02-May-95	F47												<4.50	5.80	<13.00
20400 (5)		02-May-95	F47												DWP 013	DWP 013	DWQ 013
20400		03-May-95	F47	<1.93	0.10	8.92	2.91	49.00	<2.65	<0.70	<8.35	<12.10	23.10	40.10			
20400 (5)		03-May-95	F47	DWD 030	DVY 025	DVZ 018	DWA 016	DWC 016	WB 016	DWE 020	DWF 019	DVT 027	DVU 016	DWG 016			
20400		08-Jun-95	F47									<12.10	13.10				
20400 (5)		08-Jun-95	F47									EEC 013	EED 005				
20400		12-Jul-95	F48									<12.10	71.30				
20400 (5)		12-Jul-95	F48									ENO 005	ENP 015				
20400		14-Aug-95	F48	<1.93	0.15	<2.18	3.66	R 10.40			<8.35	<12.10	38.20	59.10			

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TCAAP Surface Water Quality Data (Inorganics)

Location (1)	Trip Blank Lab #	Date	Qtr (2)	Biological Oxygen Demand BOD (ug/l)	Chemical Oxygen Demand COD (mg/l)	Dissolved Oxygen DO (ug/l)	Ammonia NH3 (ug/l)	Chloride CL (ug/l)	pH	Lab onductivity COND (umho)	Total Suspended Solids TSS (ug/l)	Coliform COLI (/100ml)	Cobalt CO60 (pC/l)	Cesium CS137 (pC/l)	Uranium U234 (pC/l)	Uranium U235 (pC/l)	Uranium U238 (pC/l)
TCAAP SW Action Criteria (3)																	
20400 (5)	NC	11-Apr-94	F43			CKR 002		CKO 004	CKQ 002	CKS 002	CKN 004						
20400	2872-01	09-May-94	F43	<4.00	14.00	0.01	0.29	54400	7.49	739.00	4000.00	<10.00	<3.90	<11.40	1.30	0.10	1.10
20400 (5)	2872-01	09-May-94	F43	CLU 003	CLS 003	CME 001	CLX 003	CLR 003	CMD 001	CMF 001	CLP 007	CLV 003	CMB 001	CMB 001	CMC 001	CMC 001	CMC 001
20400	NC	01-Jun-94	F43			0.01		59500	7.23	761.00	4000.00						
20400 (5)	NC	01-Jun-94	F43			CPT 002		CPQ 004	CPS 002	CPU 002	CPP 004						
20400	NC	22-Jul-94	F44			3700.00		41300	7.84	689.00	2000.00						
20400 (5)	NC	22-Jul-94	F44			CZD 002		CZA 004	CZC 002	CZE 002	CYZ 004						
20400	3750-01	25-Aug-94	F44	8000.00	12.00	9240.00	290.00	53200	7.81	615.00	2000.00	220.00					
20400 (5)	3750-01	25-Aug-94	F44	DEF 007	DED 008	DEJ 005	DEG 007	DDV 008	DEI 005	DEK 005	DDU 007	DEH 006					
20400	NC	28-Sep-94	F44			5500.00		74000	7.80	597.00	<1000.00						
20400 (5)	NC	28-Sep-94	F44			DIY 002		DIV 005	DIX 002	DIZ 002	DIU 004						
20400		07-Oct-94	F45			6710		2400.00	6.91	500.00	<1000.00						
20400 (5)		07-Oct-94	F45			DKQ 002		DKN 004	DKP 002	DKR 002	DKM 004						
20400		08-Nov-94	F45	<4000.00	14.30	8640	150	75000.00	7.79	575.00	5000.00	<10.00					
20400 (5)		08-Nov-94	F45	DNO 007	DNM 008	DNT 005	DNP 007	DNE 008	DNS 005	DNU 005	DND 007	DNQ 006					
20400		08-Dec-94	F45			7250		49300.00	7.12	650.00	<2000.00						
20400 (5)		08-Dec-94	F45			DOG 002		DOD 007	DOF 002	DOH 002	DOC 004						
20400		17-Jan-95	F46			9610		344000.00	6.68	770.00	63000.00						
20400 (5)		17-Jan-95	F46			DOO 002		DOL 012	DON 002	DOP 002	DOK 004						
20400		01-Feb-95	F46	<4000.00	16.00	7910	310	81600.00	6.84	606.00	3000.00	<10.00					
20400 (5)		01-Feb-95	F46	DPG 007	DPE 009	DPL 005	DPH 007	DOT 024	DPK 005	DPM 005	DOS 007	DPI 006					
20400		02-Mar-95	F46			10400.00		67900.00	7.77		4000.00						
20400 (5)		02-Mar-95	F46			DQN 005		DQK 023	DQM 005		DQJ 007						
20400		04-Apr-95	F47			9250		72200.00	6.94	940.00	2000.00						
20400 (5)		04-Apr-95	F47			DTG 002		DTD 022	DTF 002	DTH 002	DTC 004						
20400		02-May-95	F47														
20400 (5)		02-May-95	F47														
20400		02-May-95	F47										<13.00	<9.50			
20400 (5)		02-May-95	F47										DWQ 013	DWQ 013			
20400		03-May-95	F47	<4000.00	23.00	9840	200000	62700.00	7.64	910.00	2000.00	<10.00			0.80	<0.60	0.30
20400 (5)		03-May-95	F47	DWJ 015	DWH 016	DWT 013	DWK 015	DVW 029	DWS 013	DWU 013	VVA 006	DWM 006			DWR 013	DWR 013	DWR 013
20400		08-Jun-95	F47			5670		#########	7.41	714.00	1000.00						
20400 (5)		08-Jun-95	F47			EEI 002		EEF 031	EEH 002	EEJ 002	EEE 004						
20400		12-Jul-95	F48			5400		#########	7.27	607.00	3000.00						
20400 (5)		12-Jul-95	F48			ENU 002		ENR 009	ENT 002	ENV 002	ENQ 004						
20400		14-Aug-95	F48	6000.00	11.00	8560	150000	24.30	7.56	676.00	4000.00	180.00					

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TCAAP Surface Water Quality Data (Inorganics)

Location (1)	Trip Blank Lab #	Date	Qtr (2)	Silver AG (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Ortho Phosphates PO4ORT (ug/l)	Total Phosphates TPO4 (ug/l)	Zinc ZN (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMAG (pC/l)
TCAAP SW Action Criteria (3)						11.00		13.40		0.14	5.20			47.00			
20400 (5)		14-Aug-95	F48	ETO 022	ETJ 036	ETK 008	ETL 053	ETN 010			ETQ 007	ETE 017	ETF 008	ETR 011			
20400		19-Sep-95	F48									<12.10	110.00				
20400 (5)		19-Sep-95	F48									EWE 015	EWF 008				
20500	NC	07-Oct-93	F41									<12.10	55.20				
20500 (5)	NC	07-Oct-93	F41									BYN 006	BYO 007				
20500	1699-01	11-Nov-93	F41		0.14	<2.18	5.41	<5.94			<8.35	<12.10	392.00	35.10	11.50	10.20	8.50
20500 (5)	1699-01	11-Nov-93	F41		CCR 005	CCS 005	CCT 005	CCU 005			CCX 004	CCV 004	CCW 005	CCY 005	CDK 001	CDK 001	CDL 001
20500	NC	08-Dec-93	F41									<12.10	93.40				
20500 (5)	NC	08-Dec-93	F41									CDN 003	CDO 004				
20500		18-Dec-93	F41														
20500 (5)		18-Dec-93	F41														
20500 (4)	NC	13-Jan-94	F42									49.20	89.40				
20500 (5)	NC	13-Jan-94	F42									CIU 009	CIV 009				
20500	2288-01	09-Feb-94	F42		0.10	7.42	8.23	<5.94			<8.35	71.40	72.30	100.00	27.30	<21.00	<18.30
20500 (5)	2288-01	09-Feb-94	F42		CJI 005	CJJ 005	CJK 005	CJL 005			CJM 004	CJD 004	CJE 005	CJN 005	CJX 001	CJX 001	CJY 001
20500	NC	10-Mar-94	F42									<12.10	75.60				
20500 (5)	NC	10-Mar-94	F42									CKC 006	CKD 006				
20500	NC	11-Apr-94	F43									<12.10	51.20				
20500 (5)	NC	11-Apr-94	F43									CKL 005	CKM 006				
20500	2872-01	09-May-94	F43	<1.93	0.29	<2.18	4.26	<5.94	<2.65	<0.70	<5.00	30.30	50.20	114.00	<6.40	<10.60	<20.30
20500 (5)	2872-01	09-May-94	F43	CLI 010	CLD 011	CLE 011	CLF 010	CLG 010	CLH 011	CLJ 007	CLN 006	CLK 007	CLM 007	CLO 007	CMA 004	CMA 004	CMB 004
20500	NC	01-Jun-94	F43									28.90	48.80				
20500 (5)	NC	01-Jun-94	F43									CPN 005	CPO 006				
20500	NC	22-Jul-94	F44									<12.10	55.20				
20500 (5)	NC	22-Jul-94	F44									CYX 006	CYY 006				
20500	3750-01	25-Aug-94	F44		<0.10	3.62	31.00	13.40			<8.35	<12.10	54.20	88.20	<3.40	<6.30	21.80
20500 (5)	3750-01	25-Aug-94	F44		DDX 005	DDY 005	DDZ 017	DEA 005			DEB 004	DDS 005	DDT 005	DEC 005	DEL 001	DEL 001	DEL 001
20500	NC	28-Sep-94	F44									<12.10	351.00				
20500 (5)	NC	28-Sep-94	F44									DIS 006	DIT 006				
20500		07-Oct-94	F45									L<12.10	46.50				
20500 (5)		07-Oct-94	F45									DKK 006	DKL 006				
20500		08-Nov-94	F45		0.19	<2.18	9.14	<5.94			<8.35	<12.10	39.20	56.10	<13.20	<15.10	<14.60
20500 (5)		08-Nov-94	F45		DNG 007	DNH 005	DNI 004	DNJ 005			DNK 004	DNB 005	DNC 005	DNL 005	DNV 001	DNV 001	DNW 001
20500		08-Dec-94	F45									<12.10	44.80				
20500 (5)		08-Dec-94	F45									DOA 005	DOB 006				

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TCAAP Surface Water Quality Data (Inorganics)

Location (1)	Trip Blank Lab #	Date	Qtr (2)	Biological Oxygen Demand BOD (ug/l)	Chemical Oxygen Demand COD (mg/l)	Dissolved Oxygen DO (ug/l)	Ammonia NH3 (ug/l)	Chloride CL (ug/l)	pH	Lab onductivity COND (umho)	Total Suspended Solids TSS (ug/l)	Coliform COLI (/100ml)	Cobalt CO60 (pC/l)	Cesium CS137 (pC/l)	Uranium U234 (pC/l)	Uranium U235 (pC/l)	Uranium U238 (pC/l)
TCAAP SW Action Criteria (3)																	
20400 (5)		14-Aug-95	F48	ETU 007	ETS 007	ETZ 005	ETV 007	ETH 017	ETY 005	EUA 005	ETG 007	ETW 006					
20400		19-Sep-95	F48			5900		107000.00	7.65	884.00	4000.00						
20400 (5)		19-Sep-95	F48			EWK 005		EWH 041	EWJ 005	EWL 005	EWG 007						
20500	NC	07-Oct-93	F41			8250.00		91600	8.02	791.00	3000.00						
20500 (5)	NC	07-Oct-93	F41			BYT 004		BYQ 007	BYS 004	BYU 004	BYP 006						
20500	1699-01	11-Nov-93	F41	<4000.00	8.00	6420.00	220.00	37000	8.30	591.00	1000.00	1300.00	8.50	<5.40	0.70	<0.10	0.30
20500 (5)	1699-01	11-Nov-93	F41	CDE 004	CDB 006	CDI 002	CDF 004	CDC 004	CDH 002	CDJ 002	CCZ 004	CDG 006	CDL 001	CDL 001	CDM 001	CDM 001	CDM 001
20500	NC	08-Dec-93	F41					180000			4000.00						
20500 (5)	NC	08-Dec-93	F41					CDQ 003			CDP 003						
20500		18-Dec-93	F41			89.00			7.75	1140.00							
20500 (5)		18-Dec-93	F41			CDT 001			CDS 001	CDU 001							
20500 (4)	NC	13-Jan-94	F42			8420.00		210000	8.15	1270.00	3000.00						
20500 (5)	NC	13-Jan-94	F42			CJA 006		CIX 009	CIZ 006	CJB 006	CIW 007						
20500	2288-01	09-Feb-94	F42	8000.00	28.00	8510.00	0.75	410000	8.01	2290.00	6000.00	<10.00	<10.70	<7.60	0.60	<0.20	0.40
20500 (5)	2288-01	09-Feb-94	F42	CJQ 004	CJO 006	CJV 002	CJR 004	CJG 004	CJU 002	CJW 002	CJF 004	CJS 003	CJY 001	CJY 001	CJZ 001	CJZ 001	CJZ 001
20500	NC	10-Mar-94	F42			9180.00		120000	7.95	1080.00	2000.00						
20500 (5)	NC	10-Mar-94	F42			CKI 003		CKF 005	CKH 003	CKJ 003	CKE 005						
20500	NC	11-Apr-94	F43			7810.00		290000	7.71	1410.00	1000.00						
20500 (5)	NC	11-Apr-94	F43			CKR 003		CKO 005	CKQ 003	CKS 003	CKN 005						
20500	2872-01	09-May-94	F43	<4.00	10.00	0.01	0.07	283000	7.56	1090.00	2000.00	<10.00	<5.30	<15.00	2.50	0.40	1.20
20500 (5)	2872-01	09-May-94	F43	CLU 006	CLS 006	CME 004	CLX 006	CLR 017	CMD 004	CMF 004	CLP 005	CLV 006	CMB 004	CMB 004	CMC 004	CMC 004	CMC 004
20500	NC	01-Jun-94	F43			0.01		45100	7.46	612.00	<1000.00						
20500 (5)	NC	01-Jun-94	F43			CPT 003		CPQ 005	CPS 003	CPU 003	CPP 005						
20500	NC	22-Jul-94	F44			3220.00		82600	7.76	620.00	<1000.00						
20500 (5)	NC	22-Jul-94	F44			CZD 003		CZA 005	CZC 003	CZE 003	CYZ 005						
20500	3750-01	25-Aug-94	F44	5000.00	8.00	8500.00	200.00	79000	7.99	634.00	<1000.00	400.00	<5.20	<5.70	1.30	0.20	0.50
20500 (5)	3750-01	25-Aug-94	F44	DEF 004	DED 005	DEJ 002	DEG 004	DDV 005	DEI 002	DEK 002	DDU 004	DEH 003	DEL 001	DEL 001	DEL 001	DEL 001	DEL 001
20500	NC	28-Sep-94	F44			6640.00		1120000	7.80	801.00	7000.00						
20500 (5)	NC	28-Sep-94	F44			DIY 003		DIV 006	DIX 003	DIZ 003	DIU 005						
20500		07-Oct-94	F45			7340		2100.00	6.97	361.00	<1000.00						
20500 (5)		07-Oct-94	F45			DKQ 003		DKN 005	DKP 003	DKR 003	DKM 005						
20500		08-Nov-94	F45	<4000.00	17.40	7300	130	230000.00	7.40	1150.00	<1000.00	10.00					
20500 (5)		08-Nov-94	F45	DNO 004	DNM 005	DNT 002	DNP 004	DNE 004	DNS 002	DNU 002	DND 004	DNQ 003					
20500		08-Dec-94	F45			8500		380000.00	7.29	1050.00	4000.00						
20500 (5)		08-Dec-94	F45			DOG 003		DOD 008	DOF 003	DOH 003	DOC 005						

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TCAAP Surface Water Quality Data (Inorganics)

Location (1)	Trip Blank Lab #	Date	Qtr (2)	Silver AG (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Ortho Phosphates PO4ORT (ug/l)	Total Phosphates TPO4 (ug/l)	Zinc ZN (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMAG (pC/l)
TCAAP SW Action Criteria (3)						11.00		13.40		0.14	5.20			47.00			
20500		17-Jan-95	F46									<12.10	161.00				
20500 (5)		17-Jan-95	F46									DOI 060	DOJ 006				
20500		01-Feb-95	F46	<1.93	0.40	<2.18	10.00	9.16	<2.65	<0.70	<8.35	<12.10	110.00	174.00			
20500 (5)		01-Feb-95	F46	DPA 005	DOV 005	DOW 005	DOX 005	DOZ 005	OY 003	DPB 006	DPC 005	DOQ 011	DOR 005	DPD 005			
20500		04-Apr-95	F47									<12.10	39.20				
20500 (5)		04-Apr-95	F47									DTA 036	DTB 006				
20500		02-May-95	F47												<13.20	<13.10	<14.20
20500 (5)		02-May-95	F47												DWP 011	DWP 011	DWQ 011
20500		03-May-95	F47	2.18	0.18	<2.18	20.10	<5.94	<2.65	<0.70	<8.35	<12.10	29.10	127.00			
20500 (5)		03-May-95	F47	DWD 028	DVY 023	DVZ 016	DWA 014	DWC 014	WB 014	DWE 018	DWF 017	DVT 025	DVU 014	DWG 014			
20500		08-Jun-95	F47									<12.10	37.10				
20500 (5)		08-Jun-95	F47									EEC 014	EED 006				
20500		12-Jul-95	F48									<12.10	51.20				
20500 (5)		12-Jul-95	F48									ENO 006	ENP 016				
20500		14-Aug-95	F48	<1.93	0.23	<2.18	4.85	R<5.94	<2.65	<0.70	<8.35	<12.10	36.10	92.20			
20500 (5)		14-Aug-95	F48	ETO 019	ETJ 028	ETK 005	ETL 038	ETN 005	TM 013	ETP 020	ETQ 004	ETE 014	ETF 005	ETR 008			
20500		19-Sep-95	F48									<12.10	62.20				
20500 (5)		19-Sep-95	F48									EWE 017	EWF 010				
20700	1699-01	11-Nov-93	F41		<0.10	<2.18	<0.50	<5.94			<8.35	<12.10	67.30	<29.40	<4.60	4.30	<15.00
20700 (5)	1699-01	11-Nov-93	F41		CCR 010	CCS 010	CCT 010	CCU 010			CCX 010	CCV 010	CCW 010	CCY 010	CDK 004	CDK 004	CDL 004
20700		09-Feb-94	F42														
20700 (5)		09-Feb-94	F42														
20700	NC	10-Feb-94	F42		0.10	<2.18	3.81	<5.94			<8.35	<12.10	61.20	<29.40	<4.80	19.20	<16.10
20700 (5)	NC	10-Feb-94	F42		CJI 010	CJJ 010	CJK 010	CJL 009			CJM 010	CJD 010	CJE 010	CJN 010	CJX 004	CJX 004	CJY 004
20700	2900-01	12-May-94	F43	<1.93	<0.10	<2.18	<0.50	<5.94	<2.65	<0.70	<5.00	54.40	87.30	33.10	5.30	10.90	<22.30
20700 (5)	2900-01	12-May-94	F43	CLI 012	CLD 013	CLE 013	CLF 012	CLG 012	CLH 013	CLJ 009	CLN 009	CLL 003	CLM 009	CLO 009	CMA 006	CMA 006	CMB 006
20700	3750-01	25-Aug-94	F44		<0.10	2.37	6.17	<5.94			<8.35	<12.10	264.00	70.10	<2.60	<5.50	22.20
20700 (5)	3750-01	25-Aug-94	F44		DDX 010	DDY 010	DDZ 022	DEA 010			DEB 011	DDS 010	DDT 010	DEC 010	DEL 004	DEL 004	DEL 004
20700		08-Nov-94	F45														
20700 (5)		08-Nov-94	F45														
20700		09-Nov-94	F45		<0.10	<2.18	2.41	<5.94			<8.35	<12.10	80.90	<29.40	<4.80	5.40	<17.20
20700 (5)		09-Nov-94	F45		DNG 012	DNH 010	DNI 009	DNJ 010			DNK 010	DNB 010	DNC 010	DNL 010	DNV 004	DNV 004	DNW 004
20700		17-Jan-95	F46									<12.10	56.20				
20700 (5)		17-Jan-95	F46									DOI 064	DOJ 010				
20700		01-Feb-95	F46	<1.93	0.17	<2.18	9.33	<5.94			<8.35	<12.10	41.20	<29.40			

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TCAAP Surface Water Quality Data (Inorganics)

Location (1)	Trip Blank Lab #	Date	Qtr (2)	Biological Oxygen Demand BOD (ug/l)	Chemical Oxygen Demand COD (mg/l)	Dissolved Oxygen DO (ug/l)	Ammonia NH3 (ug/l)	Chloride CL (ug/l)	Lab pH	Lab onductivity COND (umho)	Total Suspended Solids TSS (ug/l)	Coliform COLI (/100ml)	Cobalt CO60 (pC/l)	Cesium CS137 (pC/l)	Uranium U234 (pC/l)	Uranium U235 (pC/l)	Uranium U238 (pC/l)
TCAAP SW Action Criteria (3)																	
20500		17-Jan-95	F46			12100		427000.00	6.88	952.00	15000.00						
20500 (5)		17-Jan-95	F46			DOO 003		DOL 010	DON 003	DOP 003	DOK 005						
20500		01-Feb-95	F46	<4000.00	22.00	10200	410	719000.00	6.55	1410.00	27000.00	70.00					
20500 (5)		01-Feb-95	F46	DPG 004	DPE 006	DPL 002	DPH 004	DOT 009	DPK 002	DPM 002	DOS 004	DPI 003					
20500		04-Apr-95	F47			10100		442000.00	6.82	2180.00	3000.00						
20500 (5)		04-Apr-95	F47			DTG 003		DTD 023	DTF 003	DTH 003	DTC 005						
20500		02-May-95	F47										<14.20	<5.00			
20500 (5)		02-May-95	F47										DWQ 011	DWQ 011			
20500		03-May-95	F47	<4000.00	21.00	11200	170000	470000.00	7.11	2140.00	1000.00	<10.00			1.10	<0.40	0.80
20500 (5)		03-May-95	F47	DWJ 013	DWH 014	DWT 011	DWK 013	DVW 025	DWS 011	DWU 011	VVA 004	DWM 004			DWR 011	DWR 011	DWR 011
20500		08-Jun-95	F47			10200		#########	7.57	730.00	4000.00						
20500 (5)		08-Jun-95	F47			EEI 003		EEF 032	EEH 003	EEJ 003	EEE 005						
20500		12-Jul-95	F48			10000		#########	7.50	1080.00	1000.00						
20500 (5)		12-Jul-95	F48			ENU 003		ENR 020	ENT 003	ENV 003	ENQ 005						
20500		14-Aug-95	F48	<4000.00	14.00	7260	<50000.00	33.90	7.09	533.00	6000.00	>3000.00					
20500 (5)		14-Aug-95	F48	ETU 004	ETS 004	ETZ 002	ETV 004	ETH 014	ETY 002	EUA 002	ETG 004	ETW 003					
20500		19-Sep-95	F48			5700		452000.00	7.63	1620.00	8000.00						
20500 (5)		19-Sep-95	F48			EWK 007		EWH 045	EWJ 007	EWL 007	EWG 009						
20700	1699-01	11-Nov-93	F41	6000.00	46.00	10100.00	170.00	24000	8.60	429.00	10000.00	30.00	<7.60	<7.20	<0.60	<0.40	0.10
20700 (5)	1699-01	11-Nov-93	F41	CDE 009	CDB 011	CDI 007	CDF 009	CDC 010	CDH 007	CDJ 007	CCZ 009	CDG 007	CDL 004	CDL 004	CDM 004	CDM 004	CDM 004
20700		09-Feb-94	F42			2260.00			7.91	636.00							
20700 (5)		09-Feb-94	F42			CJV 007			CJU 007	CJW 007							
20700	NC	10-Feb-94	F42	<4000.00	42.00		1.10	29000			<1000.00	<10.00	<7.20	<8.90	0.30	<0.20	0.30
20700 (5)	NC	10-Feb-94	F42	CJQ 009	CJO 011		CJR 009	CJG 010			CJF 009	CJT 003	CJY 004	CJY 004	CJZ 004	CJZ 004	CJZ 004
20700	2900-01	12-May-94	F43	<4.00	44.00	0.01	<0.05	25000	6.81	345.00	14000.00	<10.00	<12.50	<9.80	0.20	<0.20	0.20
20700 (5)	2900-01	12-May-94	F43	CMG 003	CLS 008	CME 006	CLX 008	CLR 008	CMD 006	CMF 006	CLP 008	CLW 002	CMB 006	CMB 006	CMC 006	CMC 006	CMC 006
20700	3750-01	25-Aug-94	F44	13000.00	85.00	7220.00	340.00	29800	8.42	324.00	45000.00	220.00	<12.30	<3.00	<0.60	<0.50	<0.70
20700 (5)	3750-01	25-Aug-94	F44	DEF 009	DED 010	DEJ 007	DEG 009	DDV 010	DEI 007	DEK 007	DDU 009	DEH 008	DEL 004	DEL 004	DEL 004	DEL 004	DEL 004
20700		08-Nov-94	F45						7.40								
20700 (5)		08-Nov-94	F45						DNS 007								
20700		09-Nov-94	F45	4400.00	53.40	6640	150	35000.00		304.00	13000.00	10.00					
20700 (5)		09-Nov-94	F45	DNO 009	DNM 010	DNT 007	DNP 009	DNE 010		DNU 007	DND 009	DNR 003					
20700		17-Jan-95	F46			10500		181000.00	6.78	637.00	3000.00						
20700 (5)		17-Jan-95	F46			DOO 007		DOL 013	DON 007	DOP 007	DOK 009						
20700		01-Feb-95	F46	<4000.00	51.00	13600	170	39600.00	7.02	420.00	<1000.00	10.00					

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Location (1)	Trip Blank Lab #	Date	Qtr (2)	Silver AG (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Ortho Phosphates PO4ORT (ug/l)	Total Phosphates TPO4 (ug/l)	Zinc ZN (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMAG (pC/l)
TCAAP SW Action Criteria (3)						11.00		13.40		0.14	5.20			47.00			
20700 (5)		01-Feb-95	F46	DPA 009	DOV 010	DOW 010	DOX 010	DOZ 010			DPC 010	DOQ 036	DOR 010	DPD 010			
20700		02-Mar-95	F46									<12.10	35.10				
20700 (5)		02-Mar-95	F46									DQH 004	DQI 004				
20700		04-Apr-95	F47									<12.10	110.00				
20700 (5)		04-Apr-95	F47									DTA 040	DTB 010				
20700		02-May-95	F47	<1.93	<0.10	<2.18	6.99	<5.94	<2.65	<0.70	<8.35	<12.10	131.00	36.10	6.90	7.20	<15.20
20700 (5)		02-May-95	F47	DWD 018	DVY 013	DVZ 006	DWA 004	DWC 004	WB 004	DWE 006	DWF 003	DVS 009	DVU 004	DWG 004	DWP 001	DWP 001	DWQ 001
20700		08-Jun-95	F47									<12.10	131.00				
20700 (5)		08-Jun-95	F47									EEC 018	EED 008				
20700		12-Jul-95	F48									<12.10	161.00				
20700 (5)		12-Jul-95	F48									ENO 008	ENP 018				
20700		14-Aug-95	F48	<1.93	0.16	<2.18	1.88	R<5.94			<8.35	<12.10	221.00	<29.40			
20700 (5)		14-Aug-95	F48	ETO 023	ETJ 040	ETK 010	ETL 057	ETN 012			ETQ 009	ETE 019	ETF 010	ETR 015			
20700		19-Sep-95	F48									<12.10	181.00				
20700 (5)		19-Sep-95	F48									EWE 008	EWF 005				
20800	NC	07-Oct-93	F41									13.30	100.00				
20800 (5)	NC	07-Oct-93	F41									BYN 008	BYO 008				
20800	1699-01	11-Nov-93	F41		0.20	<2.18	<0.50	<5.94			<8.35	<12.10	67.30	<29.40	<4.80	7.50	<10.00
20800 (5)	1699-01	11-Nov-93	F41		CCR 007	CCS 007	CCT 007	CCU 007			CCX 006	CCV 006	CCW 007	CCY 007	CDK 002	CDK 002	CDL 002
20800	NC	08-Dec-93	F41									<12.10	42.20				
20800 (5)	NC	08-Dec-93	F41									CDN 004	CDO 005				
20800		18-Dec-93	F41														
20800 (5)		18-Dec-93	F41														
20800	NC	13-Jan-94	F42									14.10	50.20				
20800 (5)	NC	13-Jan-94	F42									CIU 006	CIV 007				
20800	2288-01	09-Feb-94	F42		0.29	<2.18	2.96	<5.94			<8.35	<12.10	10.00	50.10	<4.40	10.60	<14.60
20800 (5)	2288-01	09-Feb-94	F42		CJI 007	CJJ 007	CJK 007	CJL 007			CJM 006	CJD 006	CJE 007	CJN 007	CJX 002	CJX 002	CJY 002
20800	NC	10-Mar-94	F42									63.40	68.10				
20800 (5)	NC	10-Mar-94	F42									CKC 004	CKD 004				
20800	NC	11-Apr-94	F43									<12.10	88.40				
20800 (5)	NC	11-Apr-94	F43									CKL 003	CKM 004				
20800	2872-01	09-May-94	F43	<1.93	<0.10	<2.18	1.68	<5.94	<2.65	<0.70	<5.00	17.50	63.30	58.10	9.30	7.60	<20.40
20800 (5)	2872-01	09-May-94	F43	CLI 008	CLD 009	CLE 009	CLF 008	CLG 008	CLH 009	CLJ 005	CLN 004	CLK 004	CLM 005	CLO 005	CMA 002	CMA 002	CMB 002
20800	NC	01-Jun-94	F43									12.90	169.00				
20800 (5)	NC	01-Jun-94	F43									CPN 003	CPO 004				

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Location (1)	Trip Blank Lab #	Date	Qtr (2)	Biological Oxygen Demand BOD (ug/l)	Chemical Oxygen Demand COD (mg/l)	Dissolved Oxygen DO (ug/l)	Ammonia NH3 (ug/l)	Chloride CL (ug/l)	pH	Lab onductivity COND (umho)	Total Suspended Solids TSS (ug/l)	Coliform COLI (/100ml)	Cobalt CO60 (pC/l)	Cesium CS137 (pC/l)	Uranium U234 (pC/l)	Uranium U235 (pC/l)	Uranium U238 (pC/l)
TCAAP SW Action Criteria (3)																	
20700 (5)		01-Feb-95	F46	DPG 009	DPE 011	DPL 007	DPH 009	DOT 035	DPK 007	DPM 007	DOS 009	DPI 008					
20700		02-Mar-95	F46			18700.00		43400.00	7.33		9000.00						
20700 (5)		02-Mar-95	F46			DQN 001		DQK 017	DQM 001		DQJ 003						
20700		04-Apr-95	F47			12700		23100.00	7.37	329.00	15000.00						
20700 (5)		04-Apr-95	F47			DTG 005		DTD 027	DTF 005	DTH 005	DTC 009						
20700		02-May-95	F47	4000.00	56.00	10900	230000	27600.00	7.57	381.00	18000.00	<10.00	<15.20	<10.20	1.00	<0.50	<0.50
20700 (5)		02-May-95	F47	DWJ 003	DWH 004	DWT 001	DWK 003	DVW 002	DWS 001	DWU 001	DVV 003	DWL 002	DWQ 001	DWQ 001	DWR 001	DWR 001	DWR 001
20700		08-Jun-95	F47			7270		#########	7.45	298.00	29000.00						
20700 (5)		08-Jun-95	F47			EEI 005		EEF 034	EEH 005	EEJ 005	EEE 007						
20700		12-Jul-95	F48			7300		#########	8.31	323.00	########						
20700 (5)		12-Jul-95	F48			ENU 005		ENR 014	ENT 005	ENV 005	ENQ 007						
20700		14-Aug-95	F48	7000.00	88.00	5940	50000	15.20	7.67	276.00	69000.00	210.00					
20700 (5)		14-Aug-95	F48	ETU 009	ETS 009	ETZ 007	ETV 009	ETH 019	ETY 007	EUA 007	ETG 009	ETW 008					
20700		19-Sep-95	F48			6600		26200.00	8.39	350.00	35000.00						
20700 (5)		19-Sep-95	F48			EWK 002		EWH 036	EWJ 002	EWL 002	EWG 004						
20800	NC	07-Oct-93	F41			6450.00		18900	8.08	412.00	19000.00						
20800 (5)	NC	07-Oct-93	F41			BYT 005		BYQ 008	BYS 005	BYU 005	BYP 007						
20800	1699-01	11-Nov-93	F41	5000.00	46.00	8710.00	160.00	25000	8.85	443.00	10000.00	20.00	<5.60	<4.40	<0.60	<0.20	0.40
20800 (5)	1699-01	11-Nov-93	F41	CDE 006	CDB 008	CDI 004	CDF 006	CDC 006	CDH 004	CDJ 004	CCZ 006	CDG 008	CDL 002	CDL 002	CDM 002	CDM 002	CDM 002
20800	NC	08-Dec-93	F41					26000			3000.00						
20800 (5)	NC	08-Dec-93	F41					CDQ 004			CDP 004						
20800		18-Dec-93	F41			12700.00			8.32	467.00							
20800 (5)		18-Dec-93	F41			CDT 002			CDS 002	CDU 002							
20800	NC	13-Jan-94	F42			4300.00		26000	8.57	566.00	<1000.00						
20800 (5)	NC	13-Jan-94	F42			CJA 004		CIX 006	CIZ 004	CJB 004	CIW 005						
20800	2288-01	09-Feb-94	F42	<4000.00	42.00	2200.00	1.00	34000	7.58	668.00	1000.00	<10.00	<7.70	<6.90	0.30	<0.10	0.40
20800 (5)	2288-01	09-Feb-94	F42	CJQ 006	CJO 008	CJV 004	CJR 006	CJG 006	CJU 004	CJW 004	CJF 006	CJS 005	CJY 002	CJY 002	CJZ 002	CJZ 002	CJZ 002
20800	NC	10-Mar-94	F42			11000.00		31000	6.77	590.00	4000.00						
20800 (5)	NC	10-Mar-94	F42			CKI 001		CKF 003	CKH 001	CKJ 001	CKE 003						
20800	NC	11-Apr-94	F43			7800.00		25000	8.13	379.00	9000.00						
20800 (5)	NC	11-Apr-94	F43			CKR 001		CKO 003	CKQ 001	CKS 001	CKN 003						
20800	2872-01	09-May-94	F43	<4.00	42.00	0.01	<0.05	24300	7.78	361.00	12000.00	<10.00	<12.80	<7.60	0.60	<0.20	0.40
20800 (5)	2872-01	09-May-94	F43	CLU 004	CLS 004	CME 002	CLX 004	CLR 004	CMD 002	CMF 002	CLP 003	CLV 004	CMB 002	CMB 002	CMC 002	CMC 002	CMC 002
20800	NC	01-Jun-94	F43			0.01		25100	7.14	311.00	37000.00						
20800 (5)	NC	01-Jun-94	F43			CPT 001		CPQ 003	CPS 001	CPU 001	CPP 003						

TABLE II - 6
TCAAP Surface Water Quality Data (Inorganics)

Location (1)	Trip Blank Lab #	Date	Qtr (2)	Silver AG (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Ortho Phosphates PO4ORT (ug/l)	Total Phosphates TPO4 (ug/l)	Zinc ZN (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMAG (pC/l)
TCAAP SW Action Criteria (3)						11.00		13.40		0.14	5.20			47.00			
20800	NC	22-Jul-94	F44									<12.10	241.00				
20800 (5)	NC	22-Jul-94	F44									CYX 004	CYY 004				
20800	3750-01	25-Aug-94	F44		<0.10	2.26	6.00	<5.94			<8.35	<12.10	239.00	48.10	<2.50	<4.80	345.00
20800 (5)	3750-01	25-Aug-94	F44		DDX 007	DDY 007	DDZ 019	DEA 007			DEB 007	DDS 007	DDT 007	DEC 007	DEL 002	DEL 002	DEL 002
20800	NC	28-Sep-94	F44									<12.10	100.00				
20800 (5)	NC	28-Sep-94	F44									DIS 004	DIT 004				
20800		07-Oct-94	F45									L<12.10	205.00				
20800 (5)		07-Oct-94	F45									DKK 004	DKL 004				
20800		08-Nov-94	F45		<0.10	<2.18	6.25	<5.94			<8.35	<12.10	74.50	41.10	<4.20	6.40	<19.40
20800 (5)		08-Nov-94	F45		DNG 009	DNH 007	DNI 006	DNJ 007			DNK 006	DNB 007	DNC 007	DNL 007	DNV 002	DNV 002	DNW 002
20800		08-Dec-94	F45									<12.10	43.00				
20800 (5)		08-Dec-94	F45									DOA 003	DOB 004				
20800		17-Jan-95	F46									<12.10	49.20				
20800 (5)		17-Jan-95	F46									DOI 056	DOJ 004				
20800		01-Feb-95	F46	<1.93	<0.10	<2.18	8.78	<5.94			<8.35	<12.10	41.20	<29.40			
20800 (5)		01-Feb-95	F46	DPA 007	DOV 007	DOW 007	DOX 007	DOZ 007			DPC 007	DOQ 020	DOR 007	DPD 007			
20800		02-Mar-95	F46									<12.10	34.10				
20800 (5)		02-Mar-95	F46									DQH 009	DQI 009				
20800		04-Apr-95	F47									<12.10	100.00				
20800 (5)		04-Apr-95	F47									DTA 032	DTB 004				
20800		02-May-95	F47												<4.30	22.80	<11.90
20800 (5)		02-May-95	F47												DWP 012	DWP 012	DWQ 012
20800		03-May-95	F47	<1.93	0.10	<2.18	3.55	<5.94	<2.65	<0.70	<8.35	<12.10	99.40	38.10			
20800 (5)		03-May-95	F47	DWD 029	DVY 024	DVZ 017	DWA 015	DWC 015	WB 015	DWE 019	DWF 018	DVT 026	DVU 015	DWG 015			
20800		08-Jun-95	F47									<12.10	120.00				
20800 (5)		08-Jun-95	F47									EEC 012	EED 004				
20800		12-Jul-95	F48									<12.10	171.00				
20800 (5)		12-Jul-95	F48									ENO 004	ENP 014				
20800		14-Aug-95	F48	<1.93	0.39	<2.18	2.38	R<5.94			<8.35	<12.10	201.00	96.20			
20800 (5)		14-Aug-95	F48	ETO 021	ETJ 032	ETK 007	ETL 044	ETN 009			ETQ 006	ETE 016	ETF 007	ETR 010			
20800		19-Sep-95	F48									<12.10	171.00				
20800 (5)		19-Sep-95	F48									EWE 016	EWF 009				
20900	1699-01	11-Nov-93	F41		<0.10	15.20	<0.50	<5.94			<8.35	<12.10	76.30	<29.40			
20900 (5)	1699-01	11-Nov-93	F41		CCR 004	CCS 004	CCT 004	CCU 004			CCX 003	CCV 003	CCW 004	CCY 004			
20900	2288-01	09-Feb-94	F42		<0.10	3.88	3.24	<5.94			<8.35	<12.10	67.30	<29.40			

TABLE II - 6
TCAAP Surface Water Quality Data (Inorganics)

Location (1)	Trip Blank Lab #	Date	Qtr (2)	Biological Oxygen Demand BOD (ug/l)	Chemical Oxygen Demand COD (mg/l)	Dissolved Oxygen DO (ug/l)	Ammonia NH3 (ug/l)	Chloride CL (ug/l)	pH	Lab onductivity COND (umho)	Total Suspended Solids TSS (ug/l)	Coliform COLI (/100ml)	Cobalt CO60 (pC/l)	Cesium CS137 (pC/l)	Uranium U234 (pC/l)	Uranium U235 (pC/l)	Uranium U238 (pC/l)
TCAAP SW Action Criteria (3)																	
20800	NC	22-Jul-94	F44			2860.00		38500	8.62	387.00	6000.00						
20800 (5)	NC	22-Jul-94	F44			CZD 001		CZA 003	CZC 001	CZE 001	CYZ 003						
20800	3750-01	25-Aug-94	F44	14000.00	80.00	5140.00	340.00	32000	8.04	329.00	61000.00	220.00	<9.30	<6.20	<0.60	<0.40	<0.50
20800 (5)	3750-01	25-Aug-94	F44	DEF 006	DED 007	DEJ 004	DEG 006	DDV 007	DEI 004	DEK 004	DDU 006	DEH 005	DEL 002	DEL 002	DEL 002	DEL 002	DEL 002
20800	NC	28-Sep-94	F44			8900.00		29000	8.62	288.00	38000.00						
20800 (5)	NC	28-Sep-94	F44			DIY 001		DIV 004	DIX 001	DIZ 001	DIU 003						
20800		07-Oct-94	F45			5690		2100.00	6.65	305.00	30000.00						
20800 (5)		07-Oct-94	F45			DKQ 001		DKN 003	DKP 001	DKR 001	DKM 003						
20800		08-Nov-94	F45	4900.00	54.40	12700	210	38000.00	8.31	330.00	<1000.00						
20800 (5)		08-Nov-94	F45	DNO 006	DNM 007	DNT 004	DNP 006	DNE 006	DNS 004	DNU 004	DND 006						
20800		08-Dec-94	F45			11800		26200.00	7.05	438.00	2000.00						
20800 (5)		08-Dec-94	F45			DOG 001		DOD 004	DOF 001	DOH 001	DOC 003						
20800		17-Jan-95	F46			9910		113000.00	6.30	604.00	4.00						
20800 (5)		17-Jan-95	F46			DOO 001		DOL 009	DON 001	DOP 001	DOK 003						
20800		01-Feb-95	F46	<4000.00	48.00	13100	240	41300.00	7.02	461.00	1000.00	<10.00					
20800 (5)		01-Feb-95	F46	DPG 006	DPE 008	DPL 004	DPH 006	DOT 019	DPK 004	DPM 004	DOS 006	DPI 005					
20800		02-Mar-95	F46			18300.00		48100.00	7.70		########						
20800 (5)		02-Mar-95	F46			DQN 006		DQK 024	DQM 006		DQJ 008						
20800		04-Apr-95	F47			10200		23800.00	6.57	345.00	14000.00						
20800 (5)		04-Apr-95	F47			DTG 001		DTD 019	DTF 001	DTH 001	DTC 003						
20800		02-May-95	F47										<11.90	<9.40			
20800 (5)		02-May-95	F47										DWQ 012	DWQ 012			
20800		03-May-95	F47	<4000.00	56.00	10200	120000	27200.00	7.65	410.00	25000.00	<10.00			0.70	<0.40	<0.30
20800 (5)		03-May-95	F47	DWJ 014	DWH 015	DWT 012	DWK 014	DVW 027	DWS 012	DWU 012	VVA 005	DWM 005			DWR 012	DWR 012	DWR 012
20800		08-Jun-95	F47			3840		#########	7.23	307.00	25000.00						
20800 (5)		08-Jun-95	F47			EEI 001		EEF 030	EEH 001	EEJ 001	EEE 003						
20800		12-Jul-95	F48			3430		#########	7.76	329.00	47000.00						
20800 (5)		12-Jul-95	F48			ENU 001		ENR 006	ENT 001	ENV 001	ENQ 003						
20800		14-Aug-95	F48	7000.00	79.00	6370	<50000.00	18.50	7.71	286.00	4900.00	350.00					
20800 (5)		14-Aug-95	F48	ETU 006	ETS 006	ETZ 004	ETV 006	ETH 016	ETY 004	EUA 004	ETG 006	ETW 005					
20800		19-Sep-95	F48			8100		24400.00	8.45	357.00	35000.00						
20800 (5)		19-Sep-95	F48			EWK 006		EWH 042	EWJ 006	EWL 006	EWG 008						
20900	1699-01	11-Nov-93	F41	10000.00	47.00	10600.00	200.00	22000	8.25	431.00	10000.00	10.00					
20900 (5)	1699-01	11-Nov-93	F41	CDE 003	CDB 005	CDI 001	CDF 003	CDC 003	CDH 001	CDJ 001	CCZ 003	CDG 009					
20900	2288-01	09-Feb-94	F42	<4000.00	43.00	2310.00	1.20	26000	7.65	627.00	1000.00	<10.00					

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TCAAP Surface Water Quality Data (Inorganics)

Location (1)	Trip Blank Lab #	Date	Qtr (2)	Silver AG (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Ortho Phosphates PO4ORT (ug/l)	Total Phosphates TPO4 (ug/l)	Zinc ZN (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMAG (pC/l)
TCAAP SW Action Criteria (3)						11.00		13.40		0.14	5.20			47.00			
20900 (5)	2288-01	09-Feb-94	F42		CJI 004	CJJ 004	CJK 004	CJL 004			CJM 003	CJD 003	CJE 004	CJN 004			
20900	2872-01	09-May-94	F43	<1.93	<0.10	9.91	<0.50	9.21	<2.65	<0.70	<5.00	<12.10	83.30	114.00	5.20	14.70	<25.70
20900 (5)	2872-01	09-May-94	F43	CLI 011	CLD 012	CLE 012	CLF 011	CLG 011	CLH 012	CLJ 008	CLN 008	CLK 008	CLM 008	CLO 008	CMA 005	CMA 005	CMB 005
20900	3750-01	25-Aug-94	F44		<0.10	2.77	7.50	<5.94			<8.35	<12.10	244.00	50.10			
20900 (5)	3750-01	25-Aug-94	F44		DDX 004	DDY 004	DDZ 016	DEA 004			DEB 003	DDS 004	DDT 004	DEC 004			
20900		08-Nov-94	F45		0.18	<2.18	26.00	<5.94			<8.35	<12.10	77.30	49.10			
20900 (5)		08-Nov-94	F45		DNG 006	DNH 004	DNI 003	DNJ 004			DNK 003	DNB 004	DNC 004	DNL 004			
20900		01-Feb-95	F46	<1.93	<0.10	<2.18	3.25	<5.94			<8.35	<12.10	32.10	<29.40			
20900 (5)		01-Feb-95	F46	DPA 004	DOV 004	DOW 004	DOX 004	DOZ 004			DPC 004	DOQ 008	DOR 004	DPD 004			
20900		02-May-95	F47												8.90	12.30	<15.40
20900 (5)		02-May-95	F47												DWP 009	DWP 009	DWQ 009
20900		03-May-95	F47	<1.93	<0.10	<2.18	3.22	16.40	<2.65	<0.70	<8.35	<12.10	96.40	35.10			
20900 (5)		03-May-95	F47	DWD 026	DVY 021	DVZ 014	DWA 012	DWC 012	WB 012	DWE 016	DWF 014	DVT 021	DVU 012	DWG 012			
20900		14-Aug-95	F48	<1.93	0.20	<2.18	4.55	R 9.63			<8.35	<12.10	261.00	68.10			
20900 (5)		14-Aug-95	F48	ETO 018	ETJ 026	ETK 004	ETL 036	ETN 004			ETQ 003	ETE 013	ETF 004	ETR 006			
21000	1699-01	11-Nov-93	F41		<0.10	<2.18	<0.50	<5.94			<8.35	<12.10	78.30	<29.40			
21000 (5)	1699-01	11-Nov-93	F41		CCR 006	CCS 006	CCT 006	CCU 006			CCX 005	CCV 005	CCW 006	CCY 006			
21000	2288-01	09-Feb-94	F42		0.10	<2.18	3.47	<5.94			<8.35	<12.10	6.73	<29.40			
21000 (5)	2288-01	09-Feb-94	F42		CJI 006	CJJ 006	CJK 006	CJL 006			CJM 005	CJD 005	CJE 006	CJN 006			
21000	2872-01	09-May-94	F43	<1.93	<0.10	<2.18	1.39	<5.94	<2.65	<0.70	<5.00	15.20	68.30	<29.40	4.90	23.20	<15.10
21000 (5)	2872-01	09-May-94	F43	CLI 009	CLD 010	CLE 010	CLF 009	CLG 009	CLH 010	CLJ 006	CLN 005	CLK 005	CLM 006	CLO 006	CMA 003	CMA 003	CMB 003
21000	3750-01	25-Aug-94	F44		<0.10	2.70	10.80	<5.94			<8.35	<12.10	217.00	53.10			
21000 (5)	3750-01	25-Aug-94	F44		DDX 006	DDY 006	DDZ 018	DEA 006			DEB 005	DDS 006	DDT 006	DEC 006			
21000		08-Nov-94	F45		<0.10	<2.18	8.64	<5.94			<8.35	<12.10	77.30	45.10			
21000 (5)		08-Nov-94	F45		DNG 008	DNH 006	DNI 005	DNJ 006			DNK 005	DNB 006	DNC 006	DNL 006			
21000		01-Feb-95	F46	<1.93	<0.10	<2.18	3.70	<5.94			<8.35	<12.10	42.20	<29.40			
21000 (5)		01-Feb-95	F46	DPA 006	DOV 006	DOW 006	DOX 006	DOZ 006			DPC 006	DOQ 017	DOR 006	DPD 006			
21000		02-May-95	F47												<4.40	<3.90	<8.20
21000 (5)		02-May-95	F47												DWP 014	DWP 014	DWQ 014
21000		03-May-95	F47	<1.93	0.14	<2.18	7.31	<5.94	<2.65	<0.70	<8.35	<12.10	100.00	68.10			
21000 (5)		03-May-95	F47	DWD 031	DVY 026	DVZ 019	DWA 017	DWC 017	WB 017	DWE 021	DWF 021	DVT 028	DVU 017	DWG 017			
21000		14-Aug-95	F48	7.43	<0.10	<2.18	3.96	R<5.94			<8.35	<12.10	201.00	42.10			
21000 (5)		14-Aug-95	F48	ETO 020	ETJ 083	ETK 006	ETL 040	ETN 006			ETQ 005	ETE 015	ETF 006	ETR 009			
21100	1699-01	11-Nov-93	F41		<0.10	<2.18	2.51	<5.94			<8.35	<12.10	15.10	<29.40			

TABLE 11 - 6
TCAAP Surface Water Quality Data (Inorganics)

Location (1)	Trip Blank Lab #	Date	Qtr (2)	Biological Oxygen Demand BOD (ug/l)	Chemical Oxygen Demand COD (mg/l)	Dissolved Oxygen DO (ug/l)	Ammonia NH3 (ug/l)	Chloride CL (ug/l)	Lab pH	Lab onductivity COND (umho)	Total Suspended Solids TSS (ug/l)	Coliform COLI (/100ml)	Cobalt CO60 (pC/l)	Cesium CS137 (pC/l)	Uranium U234 (pC/l)	Uranium U235 (pC/l)	Uranium U238 (pC/l)
TCAAP SW Action Criteria (3)																	
20900 (5)	2288-01	09-Feb-94	F42	CJQ 003	CJO 005	CJV 001	CJR 003	CJG 003	CJU 001	CJW 001	CJF 003	CJS 002					
20900	2872-01	09-May-94	F43	6.00	46.00	0.01	<0.05	26900	7.79	348.00	11000.00	<10.00	<16.10	<9.60	0.80	0.20	0.60
20900 (5)	2872-01	09-May-94	F43	CLU 007	CLS 007	CME 005	CLX 007	CLR 006	CMD 005	CMF 005	CLP 006	CLV 007	CMB 005	CMB 005	CMC 005	CMC 005	CMC 005
20900	3750-01	25-Aug-94	F44	10000.00	96.00	5540.00	350.00	22800	8.65	282.00	36000.00	90.00					
20900 (5)	3750-01	25-Aug-94	F44	DEF 003	DED 004	DEJ 001	DEG 003	DDV 004	DEI 001	DEK 001	DDU 003	DEH 002					
20900		08-Nov-94	F45	6800.00	53.40	10200	150	34000.00	8.12	343.00	<1000.00	10.00					
20900 (5)		08-Nov-94	F45	DNO 003	DNM 004	DNT 001	DNP 003	DNE 003	DNS 001	DNU 001	DND 003	DNQ 002					
20900		01-Feb-95	F46	<4000.00	53.00	15200	270	38100.00	6.31	608.00	1000.00	<10.00					
20900 (5)		01-Feb-95	F46	DPG 003	DPE 005	DPL 001	DPH 003	DOT 007	DPK 001	DPM 001	DOS 003	DPI 002					
20900		02-May-95	F47										<15.40	<8.90			
20900 (5)		02-May-95	F47										DWQ 009	DWQ 009			
20900		03-May-95	F47	4000.00	18.00	10700	120000	25200.00	7.25	375.00	20000.00	20.00			0.50	<0.60	<0.40
20900 (5)		03-May-95	F47	DWJ 011	DWH 012	DWT 009	DWK 011	DVW 018	DWS 009	DWU 009	VVA 002	DWM 002			DWR 009	DWR 009	DWR 009
20900		14-Aug-95	F48	8000.00	120.00	5230	60000	16.40	7.18	283.00	90000.00	>3000.00					
20900 (5)		14-Aug-95	F48	ETU 003	ETS 003	ETZ 001	ETV 003	ETH 009	ETY 001	EUA 001	ETG 003	ETW 002					
21000	1699-01	11-Nov-93	F41	6000.00	39.00	8700.00	210.00	28000	8.64	450.00	12000.00	10.00					
21000 (5)	1699-01	11-Nov-93	F41	CDE 005	CDB 007	CDI 003	CDF 005	CDC 005	CDH 003	CDJ 003	CCZ 005	CDG 010					
21000	2288-01	09-Feb-94	F42	<4000.00	43.00	2300.00	0.97	31000	7.65	763.00	6000.00	<10.00					
21000 (5)	2288-01	09-Feb-94	F42	CJQ 005	CJO 007	CJV 003	CJR 005	CJG 005	CJU 003	CJW 003	CJF 005	CJS 004					
21000	2872-01	09-May-94	F43	7.00	44.00	0.01	<0.05	23400	7.61	354.00	9000.00	<10.00	<5.70	<9.40	0.40	<0.20	0.30
21000 (5)	2872-01	09-May-94	F43	CLU 005	CLS 005	CME 003	CLX 005	CLR 005	CMD 003	CMF 003	CLP 004	CLV 005	CMB 003	CMB 003	CMC 003	CMC 003	CMC 003
21000	3750-01	25-Aug-94	F44	14000.00	71.00	3740.00	480.00	32800	7.80	332.00	27000.00	310.00					
21000 (5)	3750-01	25-Aug-94	F44	DEF 005	DED 006	DEJ 003	DEG 005	DDV 006	DEI 003	DEK 003	DDU 005	DEH 004					
21000		08-Nov-94	F45	4900.00	51.80	12400	90	47000.00	8.12	339.00	11000.00	20.00					
21000 (5)		08-Nov-94	F45	DNO 005	DNM 006	DNT 003	DNP 005	DNE 005	DNS 003	DNU 003	DND 005	DNQ 005					
21000		01-Feb-95	F46	<4000.00	50.00	12200	230	56700.00	6.86	529.00	2000.00	20.00					
21000 (5)		01-Feb-95	F46	DPG 005	DPE 007	DPL 003	DPH 005	DOT 013	DPK 003	DPM 003	DOS 005	DPI 004					
21000		02-May-95	F47										<5.10	<8.20			
21000 (5)		02-May-95	F47										DWQ 014	DWQ 014			
21000		03-May-95	F47	5000.00	60.00	10600	60000	26900.00	8.24	371.00	22000.00	<10.00			0.50	0.40	<0.60
21000 (5)		03-May-95	F47	DWJ 016	DWH 017	DWT 014	DWK 016	DVW 031	DWS 014	DWU 014	VVA 007	DWM 007			DWR 014	DWR 014	DWR 014
21000		14-Aug-95	F48	6000.00	76.00	6060	<50000.00	17.20	7.55	291.00	49000.00	640.00					
21000 (5)		14-Aug-95	F48	ETU 005	ETS 005	ETZ 003	ETV 005	ETH 015	ETY 003	EUA 003	ETG 005	ETW 004					
21100	1699-01	11-Nov-93	F41	<4000.00	23.00	6600.00	210.00	45000	8.20	805.00	1000.00	10.00					

TABLE II - 6
TCAAP Surface Water Quality Data (Inorganics)

Location (1)	Trip Blank Lab #	Date	Qtr (2)	Silver AG (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Ortho Phosphates PO4ORT (ug/l)	Total Phosphates TPO4 (ug/l)	Zinc ZN (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMAG (pC/l)
TCAAP SW Action Criteria (3)						11.00		13.40		0.14	5.20			47.00			
21100 (5)	1699-01	11-Nov-93	F41		CCR 011	CCS 011	CCT 011	CCU 011			CCX 011	CCV 011	CCW 011	CCY 011			
21100		09-Feb-94	F42														
21100 (5)		09-Feb-94	F42														
21100	NC	10-Feb-94	F42		0.58	<2.18	8.22	<5.94			<8.35	<12.10	540.00	100.00			
21100 (5)	NC	10-Feb-94	F42		CJI 011	CJJ 011	CJK 011	CJL 010			CJM 011	CJD 011	CJE 011	CJN 011			
21100	2900-01	12-May-94	F43	<1.93	<0.10	<2.18	<0.50	<5.94	<2.65	<0.70	<5.00	33.90	19.10	37.10	<3.50	7.40	<18.90
21100 (5)	2900-01	12-May-94	F43	CLI 017	CLD 018	CLE 018	CLF 017	CLG 017	CLH 018	CLJ 014	CLN 015	CLL 009	CLM 014	CLO 014	CMA 011	CMA 011	CMB 011
21100	3750-01	25-Aug-94	F44		<0.10	2.86	9.90	<5.94			<8.35	<12.10	43.10	62.10			
21100 (5)	3750-01	25-Aug-94	F44		DDX 011	DDY 011	DDZ 023	DEA 011			DEB 012	DDS 011	DDT 011	DEC 011			
21100		08-Nov-94	F45														
21100 (5)		08-Nov-94	F45														
21100		09-Nov-94	F45		<0.10	<2.18	30.00	<5.94			<8.35	<12.10	15.50	47.10			
21100 (5)		09-Nov-94	F45		DNG 013	DNH 011	DNI 010	DNJ 011			DNK 011	DNB 011	DNC 011	DNL 011			
21100		02-May-95	F47	<1.93	<0.10	<2.18	5.31	<5.94	<2.65	<0.70	<8.35	<12.10	5.02	34.10	5.90	11.60	<6.00
21100 (5)		02-May-95	F47	DWD 022	DVY 017	DVZ 010	DWA 008	DWC 008	WB 008	DWE 010	DWF 009	DVS 015	DVU 008	DWG 008	DWP 005	DWP 005	DWQ 005
21100		14-Aug-95	F48	<1.93	<0.10	<2.18	1.29	R 9.52			<8.35	<12.10	58.20	49.10			
21100 (5)		14-Aug-95	F48	ETO 024	ETJ 042	ETK 011	ETL 059	ETN 013			ETQ 011	ETE 020	ETF 011	ETR 016			
21200	2900-01	12-May-94	F43	<1.93	0.10	<2.18	1.78	<5.94	<2.65	<0.70	<5.00	56.10	120.00	49.10	<2.30	<4.60	<15.50
21200 (5)	2900-01	12-May-94	F43	CLI 015	CLD 016	CLE 016	CLF 015	CLG 015	CLH 016	CLJ 012	CLN 012	CLL 006	CLM 012	CLO 012	CMA 009	CMA 009	CMB 009
21200		01-Feb-95	F46						<2.65								
21200 (5)		01-Feb-95	F46						DOY 006								
21200		06-Feb-95	F46				10.30										
21200 (5)		06-Feb-95	F46				DOX 014										
21200		02-May-95	F47	28.00	<0.10	<2.18	13.70	<5.94	<2.65	<0.70	<8.35	<12.10	67.30	58.10	10.30	17.90	<7.80
21200 (5)		02-May-95	F47	DWD 023	DVY 018	DVZ 011	DWA 009	DWC 009	WB 009	DWE 011	DWF 011	DVS 016	DVU 009	DWG 009	DWP 006	DWP 006	DWQ 006
21200		14-Aug-95	F48						<2.65								
21200 (5)		14-Aug-95	F48						ETM 021								
21200		15-Aug-95	F48				17.80										
21200 (5)		15-Aug-95	F48				ETL 069										
21300	2900-01	12-May-94	F43	<1.93	0.19	<2.18	3.17	<5.94	<2.65	<0.70	<5.00	71.60	131.00	50.10	4.70	<7.60	<9.00
21300 (5)	2900-01	12-May-94	F43	CLI 013	CLD 014	CLE 014	CLF 013	CLG 013	CLH 014	CLJ 010	CLN 010	CLL 004	CLM 010	CLO 010	CMA 007	CMA 007	CMB 007
21300		02-May-95	F47	19.70	<0.10	<2.18	6.33	6.17	<2.65	<0.70	<8.35	<12.10	34.10	53.10	10.80	15.30	<15.60
21300 (5)		02-May-95	F47	DWD 024	DVY 019	DVZ 012	DWA 010	DWC 010	WB 010	DWE 012	DWF 012	DVS 017	DVU 010	DWG 010	DWP 007	DWP 007	DWQ 007
21300		15-Aug-95	F48				7.13		7.24								

TABLE II - 6
TCAAP Surface Water Quality Data (Inorganics)

Location (1)	Trip Blank Lab #	Date	Qtr (2)	Biological Oxygen Demand BOD (ug/l)	Chemical Oxygen Demand COD (mg/l)	Dissolved Oxygen DO (ug/l)	Ammonia NH3 (ug/l)	Chloride CL (ug/l)	pH	Lab onductivity COND (umho)	Total Suspended Solids TSS (ug/l)	Coliform COLI (/100ml)	Cobalt CO60 (pC/l)	Cesium CS137 (pC/l)	Uranium U234 (pC/l)	Uranium U235 (pC/l)	Uranium U238 (pC/l)
TCAAP SW Action Criteria (3)																	
21100 (5)	1699-01	11-Nov-93	F41	CDE 010	CDB 012	CDI 008	CDF 010	CDC 011	CDH 008	CDJ 008	CCZ 010	CDG 011					
21100		09-Feb-94	F42			1170.00			7.91	638.00							
21100 (5)		09-Feb-94	F42			CJV 008			CJU 008	CJW 008							
21100	NC	10-Feb-94	F42	4000.00	46.00		0.56	21000			46000.00	<10.00					
21100 (5)	NC	10-Feb-94	F42	CJQ 010	CJO 012		CJR 010	CJG 011			CJF 010	CJT 004					
21100	2900-01	12-May-94	F43	<4.00	30.00	0.01	0.18	45900	7.40	662.00	3000.00	<10.00	<13.10	<5.80	0.40	<0.20	<0.20
21100 (5)	2900-01	12-May-94	F43	CMG 008	CLS 013	CME 012	CLX 013	CLR 012	CMD 012	CMF 012	CLP 013	CLW 007	CMB 011	CMB 011	CMC 011	CMC 011	CMC 011
21100	3750-01	25-Aug-94	F44	7000.00	26.00	7040.00	220.00	67600	7.66	545.00	<1000.00	280.00					
21100 (5)	3750-01	25-Aug-94	F44	DEF 010	DED 011	DEJ 008	DEG 010	DDV 011	DEI 008	DEK 008	DDU 010	DEH 009					
21100		08-Nov-94	F45						7.33								
21100 (5)		08-Nov-94	F45						DNS 008								
21100		09-Nov-94	F45	<4000.00	24.70	3900	70	92000.00		549.00	<1000.00	<10.00					
21100 (5)		09-Nov-94	F45	DNO 010	DNM 011	DNT 008	DNP 010	DNE 012		DNU 008	DND 010	DNR 004					
21100		02-May-95	F47	<4000.00	30.00	12000	80000	53800.00	7.74	881.00	<1000.00	<10.00	<6.00	<4.60	1.20	0.30	1.10
21100 (5)		02-May-95	F47	DWJ 007	DWH 008	DWT 005	DWK 007	DVW 010	DWS 005	DWU 005	DVV 007	DWL 006	DWQ 005	DWQ 005	DWR 005	DWR 005	DWR 005
21100		14-Aug-95	F48	<4000.00	21.00	5360	<50000.00	26.40	7.48	520.00	7000.00	75.00					
21100 (5)		14-Aug-95	F48	ETU 010	ETS 010	ETZ 008	ETV 010	ETH 020	ETY 008	EUA 008	ETG 010	ETW 009					
21200	2900-01	12-May-94	F43	<4.00	41.00	0.01	0.08	24800	7.65	302.00	7000.00	80.00	<7.10	<8.40	0.20	0.20	0.20
21200 (5)	2900-01	12-May-94	F43	CMG 006	CLS 011	CME 009	CLX 011	CLR 010	CMD 009	CMF 009	CLP 011	CLW 005	CMB 009	CMB 009	CMC 009	CMC 009	CMC 009
21200		01-Feb-95	F46							712.00							
21200 (5)		01-Feb-95	F46							DPM 010							
21200		06-Feb-95	F46						6.18								
21200 (5)		06-Feb-95	F46						DPK 010								
21200		02-May-95	F47	<4000.00	54.00	12500	130000	105000.00	7.71	734.00	5000.00	<10.00	<5.50	<7.80	0.60	<0.30	<0.30
21200 (5)		02-May-95	F47	DWJ 008	DWH 009	DWT 006	DWK 008	DVW 012	DWS 006	DWU 006	DVV 008	DWL 007	DWQ 006	DWQ 006	DWR 006	DWR 006	DWR 006
21200		14-Aug-95	F48														
21200 (5)		14-Aug-95	F48														
21200		15-Aug-95	F48														
21200 (5)		15-Aug-95	F48														
21300	2900-01	12-May-94	F43	<4.00	46.00	0.002	0.18	322000	6.55	910.00	8000.00	1400.00	<4.40	<4.60	0.30	0.10	<0.30
21300 (5)	2900-01	12-May-94	F43	CMG 004	CLS 009	CME 007	CLX 009	CLR 018	CMD 007	CMF 007	CLP 009	CLW 003	CMB 007	CMB 007	CMC 007	CMC 007	CMC 007
21300		02-May-95	F47	<4000.00	36.00	12800	140000	420000.00	7.60	1560.00	<1000.00	<10.00	<15.60	<5.00	1.10	<0.50	<0.50
21300 (5)		02-May-95	F47	DWJ 009	DWH 010	DWT 007	DWK 009	DVW 014	DWS 007	DWU 007	DVV 009	DWL 008	DWQ 007	DWQ 007	DWR 007	DWR 007	DWR 007
21300		15-Aug-95	F48														

TABLE II - 6
TCAAP Surface Water Quality Data (Inorganics)

Location (1)	Trip Blank Lab #	Date	Qtr (2)	Silver AG (ug/l)	Cadmium CD (ug/l)	Chromium CR (ug/l)	Copper CU (ug/l)	Nickel NI (ug/l)	Lead PB (ug/l)	Mercury HG (ug/l)	Cyanide CYN (ug/l)	Ortho Phosphates PO4ORT (ug/l)	Total Phosphates TPO4 (ug/l)	Zinc ZN (ug/l)	Gross Alpha Radiation ALPHAG (pC/l)	Gross Beta Radiation BETAG (pC/l)	Gross Gamma Radiation GAMAG (pC/l)
TCAAP SW Action Criteria (3)						11.00		13.40		0.14	5.20			47.00			
21300 (5)		15-Aug-95	F48				ETL 071		ETM 023								
21400	2900-01	12-May-94	F43	<1.93	0.10	<2.18	2.08	<5.94	<2.65	<0.70	<5.00	77.90	21.10	55.10	2.50	<4.00	<16.60
21400 (5)	2900-01	12-May-94	F43	CLI 014	CLD 015	CLE 015	CLF 014	CLG 014	CLH 015	CLJ 011	CLN 011	CLL 005	CLM 011	CLO 011	CMA 008	CMA 008	CMB 008
21400		02-May-95	F47	<1.93	<0.10	<2.18	9.64	<5.94	<2.65	<0.70	<8.35	<12.10	98.40	46.10	8.40	10.60	<12.70
21400 (5)		02-May-95	F47	DWD 025	DVY 020	DVZ 013	DWA 011	DWC 011	WB 011	DWE 015	DWF 013	DVS 018	DVU 011	DWG 011	DWP 008	DWP 008	DWQ 008
21400		15-Aug-95	F48				10.90		6.63								
21400 (5)		15-Aug-95	F48				ETL 073		ETM 025								
21600	2900-01	12-May-94	F43	<1.93	0.19	<2.18	1.68	<5.94	<2.65	<0.70	<5.00	37.70	120.00	40.10	2.10	<3.30	<10.20
21600 (5)	2900-01	12-May-94	F43	CLI 018	CLD 019	CLE 019	CLF 018	CLG 018	CLH 019	CLJ 015	CLN 016	CLL 010	CLM 015	CLO 015	CMA 012	CMA 012	CMB 012
21600		02-May-95	F47												6.50	10.50	9.40
21600 (5)		02-May-95	F47												DWP 010	DWP 010	DWQ 010
21600		03-May-95	F47	<1.93	<0.10	<2.18	5.16	<5.94	<2.65	<0.70	<8.35	<12.10	<5.00	39.10			
21600 (5)		03-May-95	F47	DWD 027	DVY 022	DVZ 015	DWA 013	DWC 013	WB 013	DWE 017	DWF 016	DVT 022	DVU 013	DWG 013			
21600		14-Aug-95	F48	<1.93		2.75											
21600 (5)		14-Aug-95	F48	ETO 028		ETK 015											
21600		15-Aug-95	F48				4.85		3.27								
21600 (5)		15-Aug-95	F48				ETL 077		ETM 027								

TABLE II - 6
TCAAP Surface Water Quality Data (Inorganics)

Location (1)	Trip Blank Lab #	Date	Qtr (2)	Biological Oxygen Demand BOD (ug/l)	Chemical Oxygen Demand COD (mg/l)	Dissolved Oxygen DO (ug/l)	Ammonia NH3 (ug/l)	Chloride CL (ug/l)	pH	Lab onductivity COND (umho)	Total Suspended Solids TSS (ug/l)	Coliform COLI (/100ml)	Cobalt CO60 (pC/l)	Cesium CS137 (pC/l)	Uranium U234 (pC/l)	Uranium U235 (pC/l)	Uranium U238 (pC/l)
TCAAP SW Action Criteria (3)																	
21300 (5)		15-Aug-95	F48														
21400	2900-01	12-May-94	F43	<4.00	40.00	0.005	0.09	62000	7.11	447.00	23000.00	70.00	<12.00	<4.60	0.40	<0.20	<0.40
21400 (5)	2900-01	12-May-94	F43	CMG 005	CLS 010	CME 008	CLX 010	CLR 009	CMD 008	CMF 008	CLP 010	CLW 004	CMB 008	CMB 008	CMC 008	CMC 008	CMC 008
21400		02-May-95	F47	<4000.00	31.00	7160	140000	78800.00	7.33	621.00	10000.00	10.00	<12.70	<3.40	1.10	<0.50	<0.50
21400 (5)		02-May-95	F47	DWJ 010	DWH 011	DWT 008	DWK 010	DVW 016	DWS 008	DWU 008	DVV 010	DWL 009	DWQ 008	DWQ 008	DWR 008	DWR 008	DWR 008
21400		15-Aug-95	F48														
21400 (5)		15-Aug-95	F48														
21600	2900-01	12-May-94	F43	<4.00	19.00	0.01	0.12	36200	7.60	222.00	23000.00	20.00	<4.40	<5.80	0.50	<0.20	<0.40
21600 (5)	2900-01	12-May-94	F43	CMG 009	CLS 014	CME 011	CLX 014	CLR 013	CMD 011	CMF 011	CLP 014	CLW 008	CMB 012	CMB 012	CMC 012	CMC 012	CMC 012
21600		02-May-95	F47										9.40	<7.30			
21600 (5)		02-May-95	F47										DWQ 010	DWQ 010			
21600		03-May-95	F47	<4000.00	33.00	7380	100000	112000.00	7.22	576.00	4000.00	30.00			1.00	<0.60	<0.50
21600 (5)		03-May-95	F47	DWJ 012	DWH 013	DWT 010	DWK 012	DVW 020	DWS 010	DWU 010	VVA 003	DWM 003			DWR 010	DWR 010	DWR 010
21600		14-Aug-95	F48														
21600 (5)		14-Aug-95	F48														
21600		15-Aug-95	F48														
21600 (5)		15-Aug-95	F48														

Table II-7

TCAAP Groundwater Pumping Data

Notes:

NA = Data Not Available
S = Well Sealed
PT = Water Appropriation Permit Terminated, No Water Being Pumped

TABLE II-7
TCAAP Groundwater Pumping Data

MN Unique Well No.	Permit No.	Applicant	Township	Range	Section	Quarter Sections	Permitted Appropriation (MMGal/yr)	Permitted Pumping Rate (GPM)	Pumping Volume 1993 (MMGal)	Pumping Volume 1994 (MMGal)	Pumping Volume 1995 (MMGal)
HIGH CAPACITY WELLS											
200814	690434	AMERICAN LINEN SUPPLY CO	29	23	18	DABC	156.0	850.0	109.900	NA	NA
234407	876124	ARDEN MANOR MBLE PK	30	23	12	CDC	26.0	400.0	NA	NA	16.400
151568	876124	ARDEN MANOR MBLE PK	30	23	12	CDC	26.0	NA	21.000	NA	S
236512	766021	DARLING INTERNATIONAL, INC.	30	23	20	DDB	20.0	100.0	0.800	NA	1.159
234547	756231	HONEYWELL INC	29	23	18	BB	565.0	2000.0	147.700	NA	195.669
234546	756231	HONEYWELL INC	29	23	18	BB	565.0	2000.0	377.300	NA	420.857
233222	866254	LOWRY GROVE, INCORPORATED	29	23	7	BCB	6.0	140.0	0.000	S	S
NA	756255	MENGELKOCH COMPANY (#1)	30	23	21	CACD	18.0	100.0	0.400	NA	0.000
231878	756255	MENGELKOCH COMPANY (#2)	30	23	21	CACD	18.0	60.0	1.900	NA	2.503
NA	886105	MIDLAND HILLS C C (#2)	29	23	17	NA	49.0	1000.0	9.300	27.300	0.270
NA	886105	MIDLAND HILLS C C (#3)	29	23	17	NA	49.0	1000.0	0.000	0.000	0.000
200149	590760	MIDLAND HILLS C C	29	23	17	BDA	20.0	NA	413.000	NA	PT
200812	866124	MINNEAPOLIS PARK/RC	29	23	7	DACA	26.0	500.0	1.200	NA	0.061
512761	936161	MINNEAPOLIS PARK/RC	29	23	7	DAC	41.0	700.0	18.700	8.300	9.648
206789	700157	CITY OF NEW BRIGHTON #1	30	23	29	BADD	1725.0	11425.0	NA	NA	NA
206798	700157	CITY OF NEW BRIGHTON #2	30	23	29	BADD	1725.0	11425.0	NA	NA	NA
206793	700157	CITY OF NEW BRIGHTON #3	30	23	29	BADD	1725.0	11425.0	467.400	168.800	96.091
206792	700157	CITY OF NEW BRIGHTON #4	30	23	30	BADD	1725.0	11425.0	703.000	181.200	110.130
206796	700157	CITY OF NEW BRIGHTON #5	30	23	30	CBD	1725.0	11425.0	401.000	198.300	171.438
206797	700157	CITY OF NEW BRIGHTON #6	30	23	30	CBAA	1725.0	11425.0	138.300	248.200	214.601
206791	700157	CITY OF NEW BRIGHTON #7	30	23	29	CCDC	1725.0	11425.0	0.000	0.000	0.000
206795	700157	CITY OF NEW BRIGHTON #8	30	23	30	BDA	1725.0	11425.0	3.300	22.300	6.866
206794	700157	CITY OF NEW BRIGHTON #9	30	23	30	CABA	1725.0	11425.0	0.000	0.000	0.000
161432	700157	CITY OF NEW BRIGHTON #10	30	23	32	DBC	1725.0	11425.0	34.600	19.600	23.810
509083	700157	CITY OF NEW BRIGHTON #11	30	23	29	BCA	1725.0	11425.0	19.400	5.200	5.572
110485	700157	CITY OF NEW BRIGHTON #12	30	23	18	AC	1725.0	11425.0	34.600	19.400	26.957
520931	700157	CITY OF NEW BRIGHTON #13	30	23	29	AC	1725.0	11425.0	NA	334.700	477.422
200148	856084	PAPER CALMENSON & CO	29	23	17	BBB	30.0	500.0	0.000	NA	0.000
200804	600907	ST ANTHONY, CITY OF	29	23	6	DA	NA	NA	116.800	99.800	0.000
200803	600907	ST ANTHONY, CITY OF	29	23	6	AC	NA	NA	153.800	151.600	143.229
200524	600907	ST ANTHONY, CITY OF	30	23	31	CA	NA	NA	70.200	62.900	160.793
206754	836056	TWIN CITIES ARMY (#1)	30	23	16	ABBB	450.0	2300.0	0.200	NA	0.000
206756	836056	TWIN CITIES ARMY (#2)	30	23	16	BADA	450.0	1100.0	1.500	NA	0.000
149740	796041	U OF MN	29	23	16	BDB	60.0	700.0	3.100	4.300	6.619
200154	856178	U OF MN	29	23	17	DBC	27.0	675.0	13.400	16.900	14.957

TABLE II-7
TCAAP Groundwater Pumping Data

MN Unique Well No.	Permit No.	Applicant	Township	Range	Section	Quarter Sections	Permitted Appropriation (MMGal/yr)	Permitted Pumping Rate (GPM)	Pumping Volume 1993 (MMGal)	Pumping Volume 1994 (MMGal)	Pumping Volume 1995 (MMGal)
OTHER WELLS											
462112	916084	ALLIANT TECHSYSTEMS INC (PW-1)	30	23	20	ADC	21.0	9.0	4.100	NA	4.592
462968	916084	ALLIANT TECHSYSTEMS INC (PW-2)	30	23	20	ADC	21.0	4.0	2.010	NA	1.969
439723	866104	BELL LUMBER AND POLE CO (PW-1)	30	23	29	DCC	26.3	0.0	0.000	0.000	0.626
449194	866104	BELL LUMBER AND POLE CO (PW-3)	30	23	29	CDD	26.3	1.1	0.300	0.200	0.177
449193	866104	BELL LUMBER AND POLE CO (PW-2)	30	23	29	DCC	26.3	1.2	0.500	0.500	0.159
200262	756219	BROADWAY PROPERTIES PARTN	29	24	13	DABA	28.0	0.0	0.000	NA	0.017
200067	866053	INDIANHEAD TRUCK LINE	29	23	4	CCD	10.0	NA	0.000	0.000	0.016
NA	756223	MACGILLIS & GIBBS	30	23	29	D	1.1	48.0	3.000	NA	2.036
122253	846113	MINN METAL FINISH	29	24	13	CDBC	6.0	48.0	0.300	NA	4.812
200076	670637	OLD DUTCH FOODS INC	29	23	8	BDC	88.0	NA	34.500	40.400	NA
236029	856218	REUBEN MEATS	29	24	13	DAB	60.0	NA	0.000	NA	PT
448759	896278	PEDERSON, CARLA	29	23	9	DCB	18.4	35.0	NA	PT	PT

Table III-1

FY 1997 Groundwater Monitoring Plan

Site Designations

A	-	Site A	129-3	-	Site 129-3
B	-	Site B	129-5	-	Site 129-5
C	-	Site C	129-15	-	Site 129-5
D	-	Site D	SWB	-	Southwest Boundary
E	-	Site E	GP	-	Gravel Pit
F	-	Site F	BRV	-	Bedrock Valley
G	-	Site G	MISC	-	Miscellaneous Wells
H	-	Site H	UP	-	Upgradient
I	-	Site I			
J	-	Site J			
K	-	Site K			

Unit Designations

01U	-	Upper Fridley Formation	PC	-	Prairie du Chien
01L	-	Lower Fridley Formation	J	-	Jordan
03U	-	Upper Hillside Formation	SL	-	St. Lawrence
03M	-	Middle Hillside Formation	MS	-	Mt. Simon
03L	-	Lower Hillside Formation	H	-	Hinkley
SP	-	St. Peter	UNK	-	Unknown

Notes:

(1) "X" denotes a water level measurement during the month indicated in the heading (OND 97 = October, November, December 1997).
(2) The numbers represents analytical parameter categories. The parameters within each category are outlined in Appendix E.
(3) When proposed for sampling, only Total Phosphates from Category 4 will be analyzed.
(4) Monitoring for Category 1 will be conducted in the spring once every other year with the next sampling event scheduled for FY 98.
(5) Well to be used for performance monitoring of the OU3 groundwater recovery system which began operation in FY 95. Water levels will be measured at these wells quarterly during the first two years of operation.
(6) Wellhead accessibility to be confirmed if sampling is proposed.
(7) Sample for Category 1 if in production at time of sample collection.
(8) Analytes will include those included in Category 1 with the addition of cis-1,2-dichloroethene and trans-1,2-dichloroethene and the omission of tetrachloroethene; 1,1,2-trichlorotrifluoroethane; and 1,2-dichloropropane.
(9) Proposed well.
(10) Upon startup of OU1, water level measurement should be collected as follows: Four measurements on the first day of pumping well operation, daily measurements for the first week of operation and monthly for the first quarter of operation.
(A) Indicate that the sampling is the responsibility of Alliant Techsystems, Inc., the tenant.
(B) Indicate that the sampling is the responsibility of Alliant Techsystems, Inc., the operating contractor.
(P) Designates a piezometer.

TABLE III - 1
FY 97 Groundwater Monitoring Plan

Well Information				Groundwater Level Monitoring Plan (1)				Groundwater Quality Monitoring Plan (2)				
Site	Unit	Well I.D.	Common Name	Q53 OND 96	Q54 JFM 97	Q55 AMJ 97	Q56 JAS 97	Q53 Dec 96	Q54 Mar 97	Q55 Jun 97	Q56 Sep 97	Notes
Operable Unit 1												
	01L	01L811		---	---	---	---	---	---	---	---	
	01L	01L813		---	---	---	---	---	---	---	---	
	01L	01L816		---	---	---	---	---	---	---	---	
	01L	01L821		---	---	---	---	---	---	---	---	
	01L	01L822		---	---	---	---	---	---	---	---	
	01L	01L823		---	---	---	---	---	---	---	---	
	01U	01U062		---	---	---	---	---	---	---	---	
	01U	01U803		---	---	---	---	---	---	---	---	
	01U	01U805		---	---	---	---	---	---	---	---	
	01U	01U806		---	---	---	---	---	---	---	---	
	01U	01U807		---	---	---	---	---	---	---	---	
	01U	01U813		---	---	---	---	---	---	---	---	
	03L	03L806		--X(B)	---	--X(B)	---	---	---	1(B)	---	(8)
	03L	03L811		--X(B)	---	--X(B)	---	---	---	1(B)	---	(8)
	03L	03L813		---	---	---	---	---	---	---	---	
	03L	03L822		--X(B)	---	--X(B)	---	---	---	1(B)	---	(8)
	03L	03L832		--X(B)	---	--X(B)	---	---	---	1(B)	---	(8)
	03L	03L841		--X(B)	---	--X(B)	---	---	---	1(B)	---	(8)
	03L	03L846		--X(B)	---	--X(B)	---	---	---	1(B)	---	(8)
	03L	03L853		--X(B)	---	--X(B)	---	---	---	1(B)	---	(8)
	03L	03L856		--X(B)	---	--X(B)	---	---	---	1(B)	---	(8)
	03L	03L858		---	---	---	---	---	---	---	---	
	03L	03L860		--X(B)	---	--X(B)	---	---	---	1(B)	---	(8)
	03L	234356	Nordquist P43	--X(B)	---	--X(B)	---	---	---	1(B)	---	(8)
	03L	234425	Gerebi	---	---	---	---	---	---	---	---	(6)
	03L	409546	PCA2L3	--X(B)	---	--X(B)	---	---	---	1(B)	---	(8)
	03L	409548	PCA2U4	--X(B)	---	--X(B)	---	---	---	1(B)	---	(8)
	03L	409550	PCA 6U3	--X(B)	---	--X(B)	---	---	---	1(B)	---	(8)
	03L	409556	PCA4L3	--X(B)	---	--X(B)	---	---	---	1(B)	---	(8)
	03L	409557	PCA1L3	--X(A)	---	--X(A)	---	---	---	1(A)	---	(5,8)

TABLE III - 1
FY 97 Groundwater Monitoring Plan

Well Information				Groundwater Level Monitoring Plan (1)				Groundwater Quality Monitoring Plan (2)				
Site	Unit	Well I.D.	Common Name	Q53 OND 96	Q54 JFM 97	Q55 AMJ 97	Q56 JAS 97	Q53 Dec 96	Q54 Mar 97	Q55 Jun 97	Q56 Sep 97	Notes
	03L	409597	BS118L3	---	---	---	---	---	---	---	---	
	03M	03M843		---	---	---	---	---	---	---	---	
	03U	03U803		--X(B)	---	--X(B)	---	---	---	1(B)	---	
	03U	03U805		--X(A)	---	--X(A)	---	---	---	1(A)	---	
	03U	03U806		---	---	---	---	---	---	---	---	
	03U	03U811		--X(B)	---	--X(B)	---	---	---	1(B)	---	(8)
	03U	03U815		--X(B)	---	--X(B)	---	---	---	1(B)	---	(8)
	03U	03U821		--X(B)	---	--X(B)	---	---	---	1(B)	---	(8)
	03U	03U822		---	---	---	---	---	---	---	---	
	03U	03U824		--X(B)	---	--X(B)	---	---	---	1(B)	---	(8)
	03U	03U831		--X(B)	---	--X(B)	---	---	---	1(B)	---	(8)
	03U	234352	1206 12th Av. NW	--X(B)	---	--X(B)	---	---	---	1(B)	---	(8)
	03U	409596	BS118U3	---	---	---	---	---	---	---	---	
	J	04J834		--X(B)	---	--X(B)	---	1(B)	---	1(B)	---	(8)
	J	04J835		---	---	---	---	---	---	---	---	
	J	04J882		--X(B)	---	--X(B)	---	1(B)	---	1(B)	---	(8)
	J	200076	Old Dutch	---	---	---	---	---	---	---	---	(6)
	J	200524	St. Anthony #5	--X(B)	---	--X(B)	---	---	---	1(B)	---	(6,8)
	J	200803	St. Anthony #4	--X(B)	---	--X(B)	---	---	---	1(B)	---	(6,8)
	J	201082	NW Hospital	---	---	---	---	---	---	---	---	
	J	206791	New Brighton #7	--X(B)	---	--X(B)	---	---	---	1(B)	---	(6,8)
	J	206797	New Brighton #6	--X(B)	---	--X(B)	---	---	---	1(B)	---	(6,8)
	J	231845	MNDOT	---	---	---	---	---	---	---	---	(6)
	J		MW-2	--X(B)	--X(B)	--X(B)	--X(B)	1(B)	1(B)	1(B)	1(B)	(8,9)
	J		MW-4	--X(B)	--X(B)	--X(B)	--X(B)	1(B)	1(B)	1(B)	1(B)	(8,9,10)
	J		MW-6	--X(B)	--X(B)	--X(B)	--X(B)	1(B)	1(B)	1(B)	1(B)	(8,9,10)
	J		MW-8	--X(B)	--X(B)	--X(B)	--X(B)	1(B)	1(B)	1(B)	1(B)	(8,9)
	J	206792	New Brighton #4	--X(B)	--X(B)	--X(B)	--X(B)	1(B)	1(B)	1(B)	1(B)	(7)
	LH/PC	206787	MV High School	---	---	---	---	---	---	---	---	(6)

TABLE III - 1
FY 97 Groundwater Monitoring Plan

Well Information				Groundwater Level Monitoring Plan (1)				Groundwater Quality Monitoring Plan (2)				
Site	Unit	Well I.D.	Common Name	Q53 OND 96	Q54 JFM 97	Q55 AMJ 97	Q56 JAS 97	Q53 Dec 96	Q54 Mar 97	Q55 Jun 97	Q56 Sep 97	Notes
	MS/H	161432	New Brighton #10	---	---	--X(B)	---	---	---	1(B)	---	(7)
	MS/H	206794	New Brighton #9	---	---	--X(B)	---	---	---	1(B)	---	(7)
	MS/H	206795	New Brighton #8	---	---	--X(B)	---	---	---	1(B)	---	(7)
	MS/H	509083	New Brighton #11	---	---	--X(B)	---	---	---	1(B)	---	(7)
	PC	04U821		---	---	---	---	---	---	---	---	
	PC	04U834		--X(B)	---	--X(B)	---	1(B)	---	1(B)	---	(8)
	PC	04U841		--X(B)	---	--X(B)	---	---	---	1(B)	---	(8)
	PC	04U843		--X(B)	---	--X(B)	---	---	---	1(B)	---	(8)
	PC	04U844		--X(B)	---	--X(B)	---	---	---	1(B)	---	(6,8)
	PC	04U846		--X(B)	---	--X(B)	---	---	---	1(B)	---	(8)
	PC	04U847		---	---	---	---	---	---	---	---	
	PC	04U849		---	---	---	---	---	---	---	---	
	PC	04U850		--X(B)	--X(B)	--X(B)	--X(B)	---	---	---	---	
	PC	04U852		--X(B)	---	--X(B)	---	---	---	1(B)	---	(8)
	PC	04U855		--X(B)	---	--X(B)	---	---	---	1(B)	---	(8)
	PC	04U871		--X(B)	--X(B)	--X(B)	--X(B)	1(B)	---	1(B)	---	(8)
	PC	04U872		--X(B)	---	--X(B)	---	1(B)	---	1(B)	---	(8)
	PC	04U875		--X(B)	--X(B)	--X(B)	--X(B)	1(B)	---	1(B)	---	(8)
	PC	04U879		--X(B)	--X(B)	--X(B)	--X(B)	---	---	1(B)	---	(8)
	PC	04U880		--X(B)	---	--X(B)	---	1(B)	---	1(B)	---	(8)
	PC	04U881		--X(B)	---	--X(B)	---	1(B)	---	1(B)	---	(8)
	PC	04U882		--X(B)	---	--X(B)	---	1(B)	---	1(B)	---	(8)
	PC	04U883		---	---	---	---	---	---	---	---	
	PC	200148	Paper Calmenson	---	---	---	---	---	---	---	---	(6)
	PC	200154	UM Golf Course	--X(B)	---	--X(B)	---	---	---	1(B)	---	(8)
	PC	206688	Cloverpond	--X(B)	---	--X(B)	---	---	---	1(B)	---	(6,8)
	PC	233221	Reuben Meats	---	---	---	---	---	---	---	---	(6)
	PC	233533	Roselawn Cem.	---	---	---	---	---	---	---	---	
	PC	234319	Hide & Tallow #1	---	---	---	---	---	---	---	---	
	PC	234547	Hnywell Ridgway	--X(B)	---	--X(B)	---	---	---	1(B)	---	(6,8)
	PC	409549	PCA3U4	--X(B)	--X(B)	--X(B)	--X(B)	---	---	1(B)	---	(8)
	PC	409555	PCA5U4	--X(B)	--X(B)	--X(B)	--X(B)	---	---	1(B)	---	(8)
	PC	512761	Gross Golf Course #2	--X(B)	---	--X(B)	---	---	---	1(B)	---	(6,8)

TABLE III - 1
FY 97 Groundwater Monitoring Plan

Well Information				Groundwater Level Monitoring Plan (1)				Groundwater Quality Monitoring Plan (2)				
Site	Unit	Well I.D.	Common Name	Q53 OND 96	Q54 JFM 97	Q55 AMJ 97	Q56 JAS 97	Q53 Dec 96	Q54 Mar 97	Q55 Jun 97	Q56 Sep 97	Notes
	PC		MW-1	--X(B)	--X(B)	--X(B)	--X(B)	1(B)	1(B)	1(B)	1(B)	(8,9)
	PC		MW-3	--X(B)	--X(B)	--X(B)	--X(B)	1(B)	1(B)	1(B)	1(B)	(8,9,10)
	PC		MW-5	--X(B)	--X(B)	--X(B)	--X(B)	1(B)	1(B)	1(B)	1(B)	(8,9,10)
	PC		MW-7	--X(B)	--X(B)	--X(B)	--X(B)	1(B)	1(B)	1(B)	1(B)	(8,9)
	PC		New Brighton #14	---	---	---	---	1(B)	1(B)	1(B)	1(B)	(8,9)
	PC		New Brighton #15	---	---	---	---	1(B)	1(B)	1(B)	1(B)	(8,9)
	PC/J	200804	St. Anthony #3	--X(B)	---	--X(B)	---	---	---	1(B)	---	(6,8)
	PC/J	200812	Gross Golf	--X(B)	---	--X(B)	---	---	---	1(B)	---	(6,8)
	PC/J	206793	New Brighton #3	---	---	---	---	1(B)	1(B)	1(B)	1(B)	(6,8)
	PC/J	234549		--X(B)	---	--X(B)	---	---	---	1(B)	---	(8)
	PC/J	235539	Old Hotel	--X(B)	---	--X(B)	---	---	---	1(B)	---	(8)
	PC/J	PJ#318		--X(B)	---	--X(B)	---	1(B)	---	1(B)	---	(8)
	SP	200814	Amer. Linen	---	---	---	---	---	---	---	---	
	UNK	110485	New Brighton #12	--X(B)	---	--X(B)	---	---	---	1(B)	---	(7)
	UNK	134318	Seutter	---	---	---	---	---	---	---	---	
	UNK	191942	Model Stone	---	---	---	---	---	---	---	---	
	UNK	200264		---	---	---	---	---	---	---	---	
	UNK	206796	New Brighton #5	--X(B)	---	--X(B)	---	---	---	1(B)	---	(7,8)
	UNK	234335	Mengelkoch #1	---	---	---	---	---	---	---	---	
	UNK	234337	Mengelkoch #3	---	---	---	---	---	---	---	---	
	UNK	234353	Lentsch Ice	---	---	---	---	---	---	---	---	
	UNK	234357	Phillips Pet.	---	---	---	---	---	---	---	---	
	UNK	234430	Cmiel	---	---	---	---	---	---	---	---	
	UNK	234463	Solie	---	---	---	---	---	---	---	---	
	UNK	234546	Hnywell Ridgway	--X(B)	---	--X(B)	---	---	---	1(B)	---	(6,8)
	UNK	405651	Metal-Matic				Not Accessibl	---	---	---	---	(6)
	UNK	BOYLE		---	---	---	---	---	---	---	---	

TABLE III - 1
FY 97 Groundwater Monitoring Plan

Well Information				Groundwater Level Monitoring Plan (1)				Groundwater Quality Monitoring Plan (2)				
Site	Unit	Well I.D.	Common Name	Q53 OND 96	Q54 JFM 97	Q55 AMJ 97	Q56 JAS 97	Q53 Dec 96	Q54 Mar 97	Q55 Jun 97	Q56 Sep 97	Notes
Operable Unit 2												
A	01U	01U038		--X(B)	---	--X(B)	---	---	---	---	---	
A	01U	01U039		--X(B)	---	--X(B)	---	---	---	1(B)	---	
A	01U	01U040		--X(B)	---	--X(B)	---	---	---	---	---	
A	01U	01U041		--X(B)	---	--X(B)	---	---	---	---	---	
A	01U	01U063		--X(B)	---	--X(B)	---	---	---	---	---	
A	01U	01U067		--X(B)	---	--X(B)	---	---	---	---	---	
A	01U	01U102		--X(B)	--X(B)	--X(B)	--X(B)	1(B)	---	1,7(B)	---	
A	01U	01U103		--X(B)	---	--X(B)	---	---	---	1(B)	---	
A	01U	01U104		--X(B)	---	--X(B)	---	---	---	---	---	
A	01U	01U105		--X(B)	---	--X(B)	---	---	---	---	---	
A	01U	01U106		--X(B)	---	--X(B)	---	---	---	1(B)	---	
A	01U	01U107		--X(B)	---	--X(B)	---	---	---	---	---	
A	01U	01U108		--X(B)	---	--X(B)	---	1(B)	---	1(B)	---	
A	01U	01U109		--X(B)	---	--X(B)	---	---	---	1(B)	---	
A	01U	01U110		--X(B)	---	--X(B)	---	---	---	1(B)	---	
A	01U	01U115		X-X (B)	-X(B)-	X-X (B)	-X(B)-	1(B)	---	1,7(B)	---	
A	01U	01U116		X-X (B)	-X(B)-	X-X (B)	-X(B)-	1(B)	---	1(B)	---	
A	01U	01U117		--X(B)	--X(B)	--X(B)	--X(B)	1(B)	1(B)	1,7(B)	---	
A	01U	01U118		--X(B)	---	--X(B)	---	---	---	1(B)	---	
A	01U	01U119		--X(B)	---	--X(B)	---	---	---	1(B)	---	
A	01U	01U120		--X(B)	---	--X(B)	---	---	---	1(B)	---	
A	01U	01U125		X-X (B)	-X(B)-	X-X (B)	-X(B)-	1(B)	---	1(B)	---	
A	01U	01U126		--X(B)	---	--X(B)	---	---	---	1(B)	---	
A	01U	01U127		--X(B)	---	--X(B)	---	---	---	1(B)	---	
A	01U	01U133		--X(B)	---	--X(B)	---	---	---	---	---	
A	01U	01U135		--X(B)	---	--X(B)	---	---	---	1(B)	---	
A	01U	01U136		--X(B)	---	--X(B)	---	---	---	---	---	
A	01U	01U137		--X(B)	---	--X(B)	---	---	---	1(B)	---	
A	01U	01U138		X-X (B)	-X(B)-	X-X (B)	-X(B)-	1(B)	---	1(B)	---	
A	01U	01U139		X-X (B)	-X(B)-	X-X (B)	-X(B)-	1(B)	1(B)	1(B)	---	
A	01U	01U140		X-X (B)	-X(B)-	X-X (B)	-X(B)-	1(B)	---	1(B)	---	
A	01U	01U141		--X(B)	---	--X(B)	---	---	---	1(B)	---	

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Well Information				Groundwater Level Monitoring Plan (1)				Groundwater Quality Monitoring Plan (2)				
Site	Unit	Well I.D.	Common Name	Q53 OND 96	Q54 JFM 97	Q55 AMJ 97	Q56 JAS 97	Q53 Dec 96	Q54 Mar 97	Q55 Jun 97	Q56 Sep 97	Notes
A	01U	01U142		---	---	---	---	---	---	---	---	P
A	01U	01U143		---	---	---	---	---	---	---	---	P
A	01U	01U144		---	---	---	---	---	---	---	---	P
A	01U	01U145		--X(B)	--X(B)	--X(B)	--X(B)	---	---	---	---	P
A	01U	01U146		--X(B)	--X(B)	--X(B)	--X(B)	---	---	---	---	P
A	01U	01U147		--X(B)	--X(B)	--X(B)	--X(B)	---	---	---	---	P
A	01U	01U148		--X(B)	--X(B)	--X(B)	--X(B)	---	---	---	---	P
A	01U	01U149		--X(B)	--X(B)	--X(B)	--X(B)	---	---	---	---	P
A	01U	01U150		--X(B)	--X(B)	--X(B)	--X(B)	---	---	---	---	P
A	01U	01U151		--X(B)	--X(B)	--X(B)	--X(B)	---	---	---	---	P
A	01U	01U152		--X(B)	--X(B)	--X(B)	--X(B)	---	---	---	---	P
A	01U	01U153		--X(B)	--X(B)	--X(B)	--X(B)	---	---	---	---	P
A	01U	01U154		--X(B)	--X(B)	--X(B)	--X(B)	---	---	---	---	P
A	01U	01U155		--X(B)	--X(B)	--X(B)	--X(B)	---	---	---	---	P
A	01U	01U156		--X(B)	--X(B)	--X(B)	--X(B)	---	---	---	---	P
A	01U	01U157		--X(B)	--X(B)	--X(B)	--X(B)	1(B)	---	1(B)	---	
A	01U	01U158		--X(B)	--X(B)	--X(B)	--X(B)	1(B)	---	1(B)	---	
A	01U	01U350		---	---	---	---	---	---	---	---	
A	01U	01U351		X X X (B)	X X X (B)	X X X (B)	X X X (B)	1,2,3,9(B)	1(B)	1,2,3,7,9(B)	1(B)	
A	01U	01U352		X X X (B)	X X X (B)	X X X (B)	X X X (B)	1,2,3,9(B)	1(B)	1,2,3,7,9(B)	1(B)	
A	01U	01U353		X X X (B)	X X X (B)	X X X (B)	X X X (B)	1,2,3,9(B)	1(B)	1,2,3,7,9(B)	1(B)	
A	01U	01U354		X X X (B)	X X X (B)	X X X (B)	X X X (B)	1,2,3,9(B)	1(B)	1,2,3,7,9(B)	1(B)	
A	01U	01U355		X X X (B)	X X X (B)	X X X (B)	X X X (B)	1,2,3,9(B)	1(B)	1,2,3,7,9(B)	1(B)	
A	01U	01U356		X X X (B)	X X X (B)	X X X (B)	X X X (B)	1,2,3,9(B)	1(B)	1,2,3,7,9(B)	1(B)	
A	01U	01U357		X X X (B)	X X X (B)	X X X (B)	X X X (B)	1,2,3,9(B)	1(B)	1,2,3,7,9(B)	1(B)	
A	01U	01U358		X X X (B)	X X X (B)	X X X (B)	X X X (B)	1,2,3,9(B)	1(B)	1,2,3,7,9(B)	1(B)	
A	01U	01U901		--X(B)	--X(B)	--X(B)	--X(B)	1(B)	1(B)	1,7(B)	1(B)	
A	01U	01U902		--X(B)	--X(B)	--X(B)	--X(B)	1(B)	1(B)	1,7(B)	1(B)	
A	01U	01U903		--X(B)	--X(B)	--X(B)	--X(B)	1,7(B)	1(B)	1,7(B)	1(B)	
A	01U	01U904		--X(B)	--X(B)	--X(B)	--X(B)	1,7(B)	1(B)	1,7(B)	1(B)	
A	03U	03U023		---X(A)	---	--X(A)	---	---	---	---	---	

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Well Information				Groundwater Level Monitoring Plan			(1)	Groundwater Quality Monitoring Plan			(2)	
Site	Unit	Well I.D.	Common Name	Q53 OND 96	Q54 JFM 97	Q55 AMJ 97	Q56 JAS 97	Q53 Dec 96	Q54 Mar 97	Q55 Jun 97	Q56 Sep 97	Notes
B	01U	01U011		---	---	--X(B)	---	---	---	---	---	
B	01U	01U022		---	---	--X(B)	---	---	---	---	---	
B	01U	01U033		---	---	--X(B)	---	---	---	---	---	
B	01U	01U034		---	---	--X(B)	---	---	---	---	---	
B	01U	01U035		---	---	--X(B)	---	---	---	---	---	
B	01U	01U036		---	---	--X(B)	---	---	---	---	---	
B	01U	01U037		---	---	--X(B)	---	---	---	1(B)	---	
B	01U	01U100		---	---	--X(B)	---	---	---	---	---	
B	01U	01U101		---	---	--X(B)	---	---	---	---	---	
B	01U	01U122		---	---	--X(B)	---	---	---	---	---	
B	03U	03U011		--X(A)	---	--X(A)	---	---	---	---	---	
B	03U	03U022		--X(A)	---	--X(A)	---	---	---	---	---	
B	03U	03U082		--X(A)	---	--X(A)	---	---	---	1(B)	---	(4)
C	01U	01U043		---	---	--X(B)	---	---	---	---	---	
C	01U	01U045		---	---	--X(B)	---	---	---	---	---	
C	01U	01U046		---	---	--X(B)	---	---	---	---	---	(3)
C	01U	01U085		---	---	--X(B)	---	---	---	1(B)	---	
C	03U	03U024		--X(A)	---	--X(A)	---	---	---	---	---	
C	03U	03U025		--X(A)	---	--X(A)	---	---	---	---	---	
C	03U	03U083		--X(A)	---	--X(A)	---	---	---	1,7(B)	---	
D	03L	03L017		--X(A)	---	--X(A)	---	---	---	1(A)	---	
D	03L	03L018		--X(A)	---	--X(A)	---	---	---	1(A)	---	
D	03M	03M017		--X(A)	---	--X(A)	---	---	---	---	---	

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Well Information				Groundwater Level Monitoring Plan (1)				Groundwater Quality Monitoring Plan (2)				
Site	Unit	Well I.D.	Common Name	Q53 OND 96	Q54 JFM 97	Q55 AMJ 97	Q56 JAS 97	Q53 Dec 96	Q54 Mar 97	Q55 Jun 97	Q56 Sep 97	Notes
D	03U	03U017		--X(A)	---	--X(A)	---	---	---	1(A)	---	
D	03U	03U018		--X(A)	---	--X(A)	---	---	---	1(A)	---	
D	03U	03U093		--X(A)	---	--X(A)	---	1(A)	---	---	---	
D	03U	03U096		--X(A)	---	--X(A)	---	---	---	1(A)	---	
D	03U	03U316		--X(A)	---	--X(A)	---	1(A)	---	1(A)	---	
D	03U	03U317		--X(A)	---	--X(A)	---	1(A)	---	1(A)	---	
D	03U	03U716		--X(A)	---	--X(A)	---	---	---	---	---	
E	03U	03U015		--X(A)	---	--X(A)	---	---	---	1(B)	---	
E	03U	03U088		--X(A)	---	--X(A)	---	---	---	---	---	
E	03U	03U089		--X(A)	---	--X(A)	---	---	---	---	---	
E	03U	519288	E101-MW	--X(B)	---	--X(B)	---	---	---	1(B)	---	
E	03U	519289	E102-MW	--X(B)	---	--X(B)	---	---	---	---	---	
E	03U	519290	E103-MW	--X(B)	---	--X(B)	---	---	---	1(B)	---	
G	03L	03L014		--X(A)	---	--X(A)	---	---	---	---	---	
G	03L	03L020		--X(A)	---	--X(A)	---	---	---	1(A)	---	
G	03L	03L113		--X(A)	---	--X(A)	---	---	---	---	---	
G	03M	03M020		--X(A)	---	--X(A)	---	---	---	---	---	
G	03U	03U014		--X(A)	---	--X(A)	---	---	---	1(A)	---	
G	03U	03U019		--X(A)	---	--X(A)	---	---	---	---	---	
G	03U	03U020		--X(A)	---	--X(A)	---	---	---	1(A)	---	
G	03U	03U026		---	---	---	---	---	---	---	---	
G	03U	03U090		--X(A)	---	--X(A)	---	---	---	---	---	
G	03U	03U092		--X(A)	---	--X(A)	---	---	---	1(A)	---	
G	03U	03U094		--X(A)	---	--X(A)	---	---	---	1(A)	---	
G	03U	03U112		--X(A)	---	--X(A)	---	---	---	---	---	
G	03U	03U113		--X(A)	---	--X(A)	---	---	---	---	---	
G	03U	03U114		---	---	---	---	---	---	1(A)	---	
G	03U	03U121		---	---	---	---	---	---	---	---	
G	03U	03U314		--X(A)	---	--X(A)	---	1(A)	---	1(A)	---	
G	03U	03U315		--X(A)	---	--X(A)	---	1(A)	---	1(A)	---	

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Well Information				Groundwater Level Monitoring Plan			(1)	Groundwater Quality Monitoring Plan			(2)	
Site	Unit	Well I.D.	Common Name	Q53 OND 96	Q54 JFM 97	Q55 AMJ 97	Q56 JAS 97	Q53 Dec 96	Q54 Mar 97	Q55 Jun 97	Q56 Sep 97	Notes
G	03U	03U715		--X(A)	---	--X(A)	---	---	---	---	---	
G	04U	04U020		--X(A)	---	--X(A)	---	---	---	1(A)	---	
G	04U	PJ#074		---	---	---	---	---	---	---	---	
H	01U	01U060		---	---	---	---	---	---	---	---	
H	01U	01U098		---	---	---	---	---	---	1(B)	---	
H	03U	03U099		---	---	---	---	---	---	1(B)	---	
I	01U	01U004		--X(B)	---	--X(B)	---	---	---	---	---	
I	01U	01U054		---	---	---	---	---	---	---	---	
I	01U	01U064		--X(A)	---	--X(A)	---	---	---	1(A)	---	
I	01U	01U132		---	---	---	---	---	---	---	---	
I	01U	01U631		---	---	---	---	---	---	---	---	
I	01U	01U632		---	---	---	---	---	---	---	---	
I	01U	01U634		---	---	---	---	---	---	---	---	
I	01U	01U635		---	---	---	---	---	---	---	---	
I	01U	01U636		--X(A)	---	--X(A)	---	---	---	1,5(A)	---	
I	01U	01U638		---	---	---	---	---	---	---	---	
I	01U	01U639		--X(A)	---	--X(A)	---	---	---	1(A)	---	
I	01U	01U640		--X(A)	---	--X(A)	---	---	---	1,5(A)	---	
I	01U	01U642		---	---	---	---	---	---	---	---	
I	01U	01U652		---	---	---	---	---	---	---	---	
I	01U	01U666		---	---	---	---	---	---	---	---	
I	01U	01U667		---	---	---	---	---	---	---	---	
I	01U	01U668		---	---	---	---	---	---	---	---	
I	01U	01U675		---	---	---	---	---	---	---	---	
I	01U	482086	I01MW	--X(A)	---	--X(A)	---	---	---	1(A)	---	
I	01U	482087	I05MW	--X(A)	---	--X(A)	---	---	---	1(A)	---	
I	01U	482088	I02MW	--X(A)	---	--X(A)	---	---	---	1(A)	---	
I	01U	482089	I04MW	--X(A)	---	--X(A)	---	---	---	---	---	
I	01U	482090	I03MW	--X(A)	---	--X(A)	---	---	---	---	---	
I	03F	03F312		--X(A)	---	--X(A)	---	1(A)	---	1(A)	---	

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Well Information				Groundwater Level Monitoring Plan (1)				Groundwater Quality Monitoring Plan (2)				
Site	Unit	Well I.D.	Common Name	Q53 OND 96	Q54 JFM 97	Q55 AMJ 97	Q56 JAS 97	Q53 Dec 96	Q54 Mar 97	Q55 Jun 97	Q56 Sep 97	Notes
I	03L	03L004		--X(A)	---	--X(A)	---	---	---	---	---	
I	03L	03L027		--X(A)	---	--X(A)	---	---	---	---	---	
I	03L	03L028		--X(A)	---	--X(A)	---	---	---	---	---	
I	03L	03L029		--X(A)	---	--X(A)	---	---	---	---	---	
I	03L	03L080		--X(A)	---	--X(A)	---	---	---	---	---	
I	03M	03M004		--X(A)	---	--X(A)	---	---	---	---	---	
I	03U	03U004		--X(A)	---	--X(A)	---	---	---	---	---	
I	03U	03U027		--X(A)	---	--X(A)	---	---	---	---	---	
I	03U	03U028		--X(A)	---	--X(A)	---	---	---	1(A)	---	
I	03U	03U029		--X(A)	---	--X(A)	---	---	---	---	---	
I	03U	03U030		--X(A)	---	--X(A)	---	---	---	1(A)	---	
I	03U	03U301		--X(A)	---	--X(A)	---	1(A)	---	1(A)	---	
I	03U	03U647		--X(A)	---	--X(A)	---	---	---	---	---	
I	03U	03U648		--X(A)	---	--X(A)	---	---	---	---	---	
I	03U	03U658		--X(A)	---	--X(A)	---	---	---	1(A)	---	
I	03U	03U659		--X(A)	---	--X(A)	---	---	---	1(A)	---	
I	03U	03U674		--X(A)	---	--X(A)	---	---	---	---	---	
I	03U	03U675		---	---	---	---	---	---	---	---	
I	03U	03U676		---	---	---	---	---	---	---	---	
I	03U	OW543U3		--X(A)	---	--X(A)	---	---	---	---	---	
I	04U	04U027		--X(A)	---	--X(A)	---	---	---	1(A)	---	
I	PJ#	PJ#027		--X(A)	---	--X(A)	---	---	---	---	---	

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Well Information				Groundwater Level Monitoring Plan (1)				Groundwater Quality Monitoring Plan (2)				
Site	Unit	Well I.D.	Common Name	Q53 OND 96	Q54 JFM 97	Q55 AMJ 97	Q56 JAS 97	Q53 Dec 96	Q54 Mar 97	Q55 Jun 97	Q56 Sep 97	Notes
J	01U	01U003		---	---	---	---	---	---	---	---	
J	01U	01U050		---	---	---	---	---	---	---	---	
J	01U	01U051		---	---	---	---	---	---	---	---	
J	01U	01U053		---	---	---	---	---	---	---	---	
J	01U	01U054		---	---	---	---	---	---	---	---	
J	01U	01U062		---	---	---	---	---	---	---	---	
J	01U	01U524		---	---	---	---	---	---	---	---	
J	01U	01U525		---	---	---	---	---	---	---	---	
J	01U	01U526		---	---	---	---	---	---	---	---	
J	01U	01U527		---	---	---	---	---	---	---	---	
K	01U	01U047		--X(A)	---	--X(A)	---	---	---	---	---	
K	01U	01U048		--X(A)	---	--X(A)	---	---	---	---	---	
K	01U	01U052		--X(A)	---	--X(A)	---	---	---	---	---	
K	01U	01U065		--X(A)	---	--X(A)	---	---	---	---	---	
K	01U	01U128		--X(A)	---	--X(A)	---	---	---	1(A)	---	
K	01U	01U601		--X(A)	---	--X(A)	---	---	---	---	---	
K	01U	01U602		--X(A)	---	--X(A)	---	---	---	---	---	
K	01U	01U603		--X(A)	---	--X(A)	---	---	---	---	---	
K	01U	01U604		--X(A)	---	--X(A)	---	---	---	1(A)	---	
K	01U	01U605		--X(A)	---	--X(A)	---	---	---	---	---	
K	01U	01U607		--X(A)	---	--X(A)	---	---	---	---	---	
K	01U	01U608		--X(A)	---	--X(A)	---	---	---	---	---	
K	01U	01U609		--X(A)	---	--X(A)	---	---	---	---	---	
K	01U	01U611		--X(A)	---	--X(A)	---	---	---	1(A)	---	
K	01U	01U612		--X(A)	---	--X(A)	---	---	---	---	---	
K	01U	01U613		--X(A)	---	--X(A)	---	---	---	---	---	
K	01U	01U615		--X(A)	---	--X(A)	---	---	---	1(A)	---	
K	01U	01U616		--X(A)	---	--X(A)	---	---	---	---	---	
K	01U	01U617		--X(A)	---	--X(A)	---	1(A)	---	1(A)	---	
K	01U	01U618		--X(A)	---	--X(A)	---	---	---	1(A)	---	
K	01U	01U619		--X(A)	---	--X(A)	---	---	---	1(A)	---	
K	01U	01U620		--X(A)	---	--X(A)	---	---	---	---	---	
K	01U	01U621		--X(A)	---	--X(A)	---	1(A)	---	1(A)	---	

TABLE III - 1
FY 97 Groundwater Monitoring Plan

Well Information				Groundwater Level Monitoring Plan (1)				Groundwater Quality Monitoring Plan (2)				
Site	Unit	Well I.D.	Common Name	Q53 OND 96	Q54 JFM 97	Q55 AMJ 97	Q56 JAS 97	Q53 Dec 96	Q54 Mar 97	Q55 Jun 97	Q56 Sep 97	Notes
K	01U	01U622		--X(A)	---	--X(A)	---	---	---	---	---	(6)
K	01U	01U623		--X(A)	---	--X(A)	---	---	---	---	---	(6)
K	01U	01U624		--X(A)	---	--X(A)	---	---	---	---	---	
K	01U	01U625		--X(A)	---	--X(A)	---	---	---	---	---	
K	01U	01U626		--X(A)	---	--X(A)	---	---	---	---	---	
K	01U	01U627		--X(A)	---	--X(A)	---	---	---	---	---	
K	01U	01U628		--X(A)	---	--X(A)	---	---	---	---	---	
K	01U	482083	K04-MW	--X(A)	---	--X(A)	---	---	---	1(A)	---	
K	01U	482084	K02-MW	--X(A)	---	--X(A)	---	---	---	---	---	
K	01U	482085	K01-MW	--X(A)	---	--X(A)	---	---	---	---	---	
K	03L	03L013		--X(A)	---	--X(A)	---	---	---	---	---	
K	03M	03M013		--X(A)	---	--X(A)	---	---	---	---	---	
K	03U	03U013		--X(A)	---	--X(A)	---	---	---	---	---	
K	03U	03U075		--X(A)	---	--X(A)	---	---	---	1(A)	---	
K	03U	03U076		--X(A)	---	--X(A)	---	---	---	---	---	
129-3	03U	03U087		--X(A)	---	--X(A)	---	---	---	1,4(B)	---	
129-3	03U	03U521		---	---	--X(B)	---	---	---	---	---	
129-5	01U	01U072		---	---	---	---	---	---	---	---	
129-5	03U	03U097		---	---	---	---	---	---	1(B)	---	
129-5	03U	03U111		--X(A)	---	--X(A)	---	---	---	---	---	
129-5	03U	03U129		---	---	---	---	---	---	---	---	
129-15	03L	03L091		---	---	--X(B)	---	---	---	1(B)	---	
129-15	03U	03U016		--X(A)	---	--X(A)	---	---	---	---	---	
129-15	03U	03U032		--X(A)	---	--X(A)	---	---	---	1(B)	---	
129-15	03U	03U124		---	---	---	---	---	---	---	---	
129-15	03U	519291	1291501-MW	--X(B)	---	--X(B)	---	---	---	---	---	

TABLE III - 1
FY 97 Groundwater Monitoring Plan

Well Information				Groundwater Level Monitoring Plan (1)				Groundwater Quality Monitoring Plan (2)				
Site	Unit	Well I.D.	Common Name	Q53 OND 96	Q54 JFM 97	Q55 AMJ 97	Q56 JAS 97	Q53 Dec 96	Q54 Mar 97	Q55 Jun 97	Q56 Sep 97	Notes
BRV	03L	03L137		---	---	---	---	---	---	---	---	
BRV	03L	03L138		---	---	---	---	---	---	---	---	
GP	03U	03U704		--X(A)	---	--X(A)	---	---	---	---	---	
GP	03U	03U705		--X(A)	---	--X(A)	---	---	---	1(A)	---	
GP	03U	03U706		--X(A)	---	--X(A)	---	---	---	1(A)	---	
GP	03U	03U707		--X(A)	---	--X(A)	---	---	---	---	---	
GP	SG	Staff Gauge 1		--X(A)	---	--X(A)	---	---	---	---	---	
GP	SG	Staff Gauge 2		--X(A)	---	--X(A)	---	---	---	---	---	
GP	SG	Staff Gauge 3		--X(A)	---	--X(A)	---	---	---	---	---	
MISC	01U	01U012		---	---	---	---	---	---	---	---	
MISC	01U	01U044		---	---	---	---	---	---	---	---	
MISC	01U	01U130		---	---	---	---	---	---	---	---	
MISC	01U	01U131		---	---	---	---	---	---	---	---	
TGRS	03F	03F302		--X(A)	---	--X(A)	---	1(A)	---	1(A)	---	
TGRS	03F	03F303		--X(A)	---	--X(A)	---	1(A)	---	1(A)	---	
TGRS	03F	03F304		--X(A)	---	--X(A)	---	1(A)	---	1(A)	---	
TGRS	03F	03F305		--X(A)	---	--X(A)	---	1(A)	---	1(A)	---	
TGRS	03F	03F306		--X(A)	---	--X(A)	---	1(A)	---	1(A)	---	
TGRS	03F	03F307		--X(A)	---	--X(A)	---	1(A)	---	1(A)	---	
TGRS	03F	03F308		--X(A)	---	--X(A)	---	1(A)	---	1(A)	---	
TGRS	03F	03F312		--X(A)	---	--X(A)	---	1(A)	---	1(A)	---	
TGRS	03L	03L001		--X(A)	---	--X(A)	---	1(A)	---	1(A)	---	
TGRS	03L	03L002		--X(A)	---	--X(A)	---	---	---	1(A)	---	
TGRS	03L	03L003		--X(A)	---	--X(A)	---	---	---	---	---	
TGRS	03L	03L005		--X(A)	---	--X(A)	---	---	---	---	---	
TGRS	03L	03L010		--X(A)	---	--X(A)	---	---	---	---	---	
TGRS	03L	03L012		--X(A)	---	--X(A)	---	---	---	---	---	
TGRS	03L	03L021		--X(A)	---	--X(A)	---	---	---	1(A)	---	

TABLE III - 1
FY 97 Groundwater Monitoring Plan

Well Information				Groundwater Level Monitoring Plan (1)				Groundwater Quality Monitoring Plan (2)				
Site	Unit	Well I.D.	Common Name	Q53 OND 96	Q54 JFM 97	Q55 AMJ 97	Q56 JAS 97	Q53 Dec 96	Q54 Mar 97	Q55 Jun 97	Q56 Sep 97	Notes
TGRS	03L	03L077		--X(A)	---	--X(A)	---	---	---	1(A)	---	
TGRS	03L	03L078		--X(A)	---	--X(A)	---	---	---	1(A)	---	
TGRS	03L	03L079		--X(A)	---	--X(A)	---	---	---	1(A)	---	
TGRS	03L	03L081		--X(A)	---	--X(A)	---	---	---	---	---	
TGRS	03L	03L084		--X(A)	---	--X(A)	---	---	---	1(A)	---	
TGRS	03L	03L086		---	---	---	---	---	---	---	---	
TGRS	03L	03L802		--X(A)	---	--X(A)	---	1(A)	---	1(A)	---	
TGRS	03L	03L809		---	---	--X(A)	---	---	---	1(B)	---	
TGRS	03L	03L833		--X(A)	---	--X(A)	---	1(A)	---	1(A)	---	
TGRS	03M	03M001		--X(A)	---	--X(A)	---	---	---	---	---	
TGRS	03M	03M002		--X(A)	---	--X(A)	---	---	---	---	---	
TGRS	03M	03M003		--X(A)	---	--X(A)	---	---	---	---	---	
TGRS	03M	03M005		--X(A)	---	--X(A)	---	---	---	---	---	
TGRS	03M	03M007		--X(A)	---	--X(A)	---	---	---	---	---	
TGRS	03M	03M010		--X(A)	---	--X(A)	---	---	---	---	---	
TGRS	03M	03M012		--X(A)	---	--X(A)	---	---	---	---	---	
TGRS	03M	03M713		--X(A)	---	--X(A)	---	---	---	1(A)	---	
TGRS	03M	03M802		--X(A)	---	--X(A)	---	---	---	1(A)	---	
TGRS	03M	03M806		--X(A)	---	--X(A)	---	---	---	1(A)	---	
TGRS	03U	03U001		--X(A)	---	--X(A)	---	---	---	---	---	
TGRS	03U	03U002		--X(A)	---	--X(A)	---	---	---	---	---	
TGRS	03U	03U003		--X(A)	---	--X(A)	---	1(A)	---	1(A)	---	
TGRS	03U	03U005		--X(A)	---	--X(A)	---	---	---	---	---	
TGRS	03U	03U006		--X(A)	---	--X(A)	---	---	---	---	---	
TGRS	03U	03U008		--X(A)	---	--X(A)	---	---	---	---	---	
TGRS	03U	03U010		--X(A)	---	--X(A)	---	---	---	---	---	
TGRS	03U	03U012		--X(A)	---	--X(A)	---	---	---	---	---	
TGRS	03U	03U021		--X(A)	---	--X(A)	---	---	---	1(A)	---	
TGRS	03U	03U031		--X(A)	---	--X(A)	---	---	---	---	---	
TGRS	03U	03U077		--X(A)	---	--X(A)	---	---	---	1(A)	---	
TGRS	03U	03U078		--X(A)	---	--X(A)	---	---	---	1(A)	---	
TGRS	03U	03U079		--X(A)	---	--X(A)	---	---	---	1(A)	---	

TABLE III - 1
FY 97 Groundwater Monitoring Plan

Well Information				Groundwater Level Monitoring Plan (1)				Groundwater Quality Monitoring Plan (2)				
Site	Unit	Well I.D.	Common Name	Q53 OND 96	Q54 JFM 97	Q55 AMJ 97	Q56 JAS 97	Q53 Dec 96	Q54 Mar 97	Q55 Jun 97	Q56 Sep 97	Notes
TGRS	03U	03U084		--X(A)	---	--X(A)	---	---	---	1(A)	---	
TGRS	03U	03U671		--X(A)	---	--X(A)	---	---	---	1(A)	---	
TGRS	03U	03U672		--X(A)	---	--X(A)	---	1(A)	---	1(A)	---	
TGRS	03U	03U701		--X(A)	---	--X(A)	---	---	---	1(A)	---	
TGRS	03U	03U702		--X(A)	---	--X(A)	---	---	---	1(A)	---	
TGRS	03U	03U703		--X(A)	---	--X(A)	---	---	---	1(A)	---	
TGRS	03U	03U708		--X(A)	---	--X(A)	---	---	---	1(A)	---	
TGRS	03U	03U709		--X(A)	---	--X(A)	---	---	---	1(A)	---	
TGRS	03U	03U710		--X(A)	---	--X(A)	---	---	---	1(A)	---	
TGRS	03U	03U711		--X(A)	---	--X(A)	---	1(A)	---	1(A)	---	
TGRS	03U	03U801		--X(A)	---	--X(A)	---	---	---	1(A)	---	
TGRS	03U	03U804		--X(A)	---	--X(A)	---	---	---	1(A)	---	
TGRS	04J	04J077		--X(A)	---	--X(A)	---	---	---	1(A)	---	
TGRS	04J	04J702		--X(A)	---	--X(A)	---	---	---	1(A)	---	
TGRS	04J	04J708		--X(A)	---	--X(A)	---	---	---	1(A)	---	
TGRS	04J	04J713		--X(A)	---	--X(A)	---	---	---	1(A)	---	
TGRS	04J	04J714		--X(A)	---	--X(A)	---	---	---	1(A)	---	
TGRS	04U	04U001		--X(A)	---	--X(A)	---	---	---	1(A)	---	
TGRS	04U	04U002		--X(A)	---	--X(A)	---	---	---	1(A)	---	
TGRS	04U	04U003		--X(A)	---	--X(A)	---	1(A)	---	1(A)	---	
TGRS	04U	04U012		--X(A)	---	--X(A)	---	---	---	---	---	
TGRS	04U	04U077		--X(A)	---	--X(A)	---	---	---	1(A)	---	
TGRS	04U	04U510		--X(A)	---	--X(A)	---	---	---	1(B)	---	(4)
TGRS	04U	04U701		--X(A)	---	--X(A)	---	---	---	1(A)	---	
TGRS	04U	04U702		--X(A)	---	--X(A)	---	---	---	1(A)	---	
TGRS	04U	04U708		--X(A)	---	--X(A)	---	---	---	1(A)	---	
TGRS	04U	04U709		--X(A)	---	--X(A)	---	---	---	1(A)	---	
TGRS	04U	04U711		--X(A)	---	--X(A)	---	1(A)	---	1(A)	---	
TGRS	04U	04U713		--X(A)	---	--X(A)	---	---	---	1(A)	---	
TGRS	04U	04U714		--X(A)	---	--X(A)	---	1(A)	---	1(A)	---	
TGRS	04U	04U802		--X(A)	---	--X(A)	---	---	---	1(A)	---	
TGRS	04U	04U806		--X(A)	---	--X(A)	---	1(A)	---	1(A)	---	

TABLE III - 1
FY 97 Groundwater Monitoring Plan

Well Information				Groundwater Level Monitoring Plan (1)				Groundwater Quality Monitoring Plan (2)				
Site	Unit	Well I.D.	Common Name	Q53 OND 96	Q54 JFM 97	Q55 AMJ 97	Q56 JAS 97	Q53 Dec 96	Q54 Mar 97	Q55 Jun 97	Q56 Sep 97	Notes
TGRS	04U	04U833		--X(A)	---	--X(A)	---	1(A)	---	1(A)	---	
TGRS	PJ#	PJ#003		--X(A)	---	--X(A)	---	---	---	1(A)	---	
TGRS	PJ#	PJ#309		--X(A)	---	--X(A)	---	1(A)	---	1(A)	---	
TGRS	PJ#	PJ#310		--X(A)	---	--X(A)	---	1(A)	---	1(A)	---	
TGRS	PJ#	PJ#311		--X(A)	---	--X(A)	---	1(A)	---	1(A)	---	
TGRS	PJ#	PJ#313		--X(A)	---	--X(A)	---	1(A)	---	1(A)	---	
TGRS	PJ#	PJ#501		---	---	---	---	---	---	---	---	
TGRS	PJ#	PJ#502		---	---	---	---	---	---	---	---	
TGRS	PJ#	PJ#503		---	---	---	---	---	---	---	---	
TGRS	PJ#	PJ#802		--X(A)	---	--X(A)	---	---	---	---	---	
TGRS	PJ#	PJ#806		--X(A)	---	--X(A)	---	---	---	1(A)	---	
UP	03L	03L007		--X(A)	---	--X(A)	---	---	---	1(B)	---	(4)
UP	03U	03U007		--X(A)	---	--X(A)	---	---	---	1(B)	---	(4)
UP	03U	03U009		--X(A)	---	--X(A)	---	---	---	1(B)	---	(4)
UP	04U	04U007		--X(A)	---	--X(A)	---	---	---	1(B)	---	(4)

TABLE III - 1
FY 97 Groundwater Monitoring Plan

Well Information				Groundwater Level Monitoring Plan (1)				Groundwater Quality Monitoring Plan (2)				
Site	Unit	Well I.D.	Common Name	Q53 OND 96	Q54 JFM 97	Q55 AMJ 97	Q56 JAS 97	Q53 Dec 96	Q54 Mar 97	Q55 Jun 97	Q56 Sep 97	Notes
Operable Unit 3												
	03L	03L673		--X(A)	---	--X(A)	---	---	---	1(A)	---	(5)
	03L	03L848		--X(A)	---	--X(A)	---	---	---	1(A)	---	(5)
	03L	03L854		--X(A)	---	--X(A)	---	---	---	1(B)	---	(5)
	03L	03L859		--X(A)	---	--X(A)	---	---	---	1(A)	---	(5)
	03L	03L861		--X(A)	---	--X(A)	---	---	---	1(A)	---	(5)
	03L	MW15H	MW15H	--X(A)	---	--X(A)	---	1(A)	---	1(A)	---	(5)
	03M	03M848		--X(A)	---	--X(A)	---	---	---	1(B)	---	(5)
	03U	03U673		--X(A)	---	--X(A)	---	---	---	1(A)	---	(5)
	03U	03U832		--X(A)	---	--X(A)	---	---	---	1(B)	---	(5)
	04U	04U673		--X(A)	---	--X(A)	---	---	---	1(A)	---	(5)
	J	04J864	324 J	--X(A)	---	--X(A)	---	1(A)	---	1(A)	---	
	J	04J866	326 J	--X(A)	---	--X(A)	---	1(A)	---	1(A)	---	
	PC	04U832		--X(A)	---	--X(A)	---	---	---	1(A)	---	(5)
	PC	04U845		--X(A)	---	--X(A)	---	---	---	1(A)	---	(5)
	PC	04U848		--X(A)	---	--X(A)	---	---	---	1(A)	---	(5)
	PC	04U851		--X(A)	---	--X(A)	---	---	---	1(A)	---	(5)
	PC	04U854		--X(A)	---	--X(A)	---	---	---	1(A)	---	
	PC	04U859		--X(A)	---	--X(A)	---	---	---	1(A)	---	(5)
	PC	04U860		--X(A)	---	--X(A)	---	---	---	1(A)	---	(5)
	PC	04U861		--X(A)	---	--X(A)	---	---	---	1(A)	---	(5)
	PC	04U863	323U4	--X(A)	---	--X(A)	---	1(A)	---	1(A)	---	(5)
	PC	04U864	324U4	--X(A)	---	--X(A)	---	1(A)	---	1(A)	---	(5)
	PC	04U865	325U4	--X(A)	---	--X(A)	---	1(A)	---	1(A)	---	(5)
	PC	04U866	326U4	--X(A)	---	--X(A)	---	1(A)	---	1(A)	---	(5)
	PC	04U877		--X(A)	---	--X(A)	---	---	---	1(B)	---	(5)
	PC	409547	PCA1U4	--X(A)	---	--X(A)	---	---	---	1(A)	---	(5)
	PC	500691	414U4	---	---	--X(A)	--X(A)	1(A)	---	1(A)	---	(5)

TABLE III - 1
FY 97 Groundwater Monitoring Plan

Well Information				Groundwater Level Monitoring Plan (1)				Groundwater Quality Monitoring Plan (2)				
Site	Unit	Well I.D.	Common Name	Q53 OND 96	Q54 JFM 97	Q55 AMJ 97	Q56 JAS 97	Q53 Dec 96	Q54 Mar 97	Q55 Jun 97	Q56 Sep 97	Notes
	PC/J	520931	NBM #13	---	---	--X(A)	--X(A)	1(A)	1(A)	1(A)	1(A)	

Table IV-1

Site A Removal Action Effluent Water Quality

Notes:

(1) Qtr = Quarter. Under this heading, F = FCC.

(2) These entries are the lot and sample numbers for the corresponding data points.

TABLE IV - 1
Site A Removal Action Effluent Water Quality - (ug/l)

Site ID	Sample Date	Qtr (1)		12DCE	C12DCE	T12DCE	TCLEE	TRCLE	HG	TSS
EFFLUENT-A	10-Oct-94	F45		68.00			<1.00	2.52	<0.74	
EFFLUENT-A	10-Oct-94	F45	(2)	IVZ 007			IVZ 007	IVZ 007	IJX 015	
EFFLUENT-A	08-Nov-94	F45		51.20			<1.00	1.68	<0.74	
EFFLUENT-A	08-Nov-94	F45	(2)	IZB 012			IZB 012	IZB 012	IJY 016	
EFFLUENT-A	05-Dec-94	F45		61.00			<1.00	1.77	<0.74	
EFFLUENT-A	05-Dec-94	F45	(2)	IZD 005			IZD 005	IZD 005	IJZ 016	
EFFLUENT-A	17-Jan-95	F46		46.00			<2.00	0.84	<0.74	
EFFLUENT-A	17-Jan-95	F46	(2)	IZI 011			IZI 011	IZI 011	JDA 014	
EFFLUENT-A	01-Feb-95	F46							<0.70	
EFFLUENT-A	01-Feb-95	F46	(2)						DQC 017	
EFFLUENT-A	08-Feb-95	F46			36.80	2.83	<2.41	1.28	<0.20	
EFFLUENT-A	08-Feb-95	F46	(2)		DPN 016	DPN 016	DPN 016	DPN 016	DQD 016	
EFFLUENT-A	03-Mar-95	F46			49.50	3.82	<2.41	2.25	<0.20	2000.00
EFFLUENT-A	03-Mar-95	F46	(2)		DRJ 013	DRJ 013	DRJ 013	DRJ 013	DRE 017	DRI 003
EFFLUENT-A	03-Mar-95	F46							<0.70	
EFFLUENT-A	03-Mar-95	F46	(2)						DRD 016	
EFFLUENT-A	03-Apr-95	F47			52.80	4.61	<2.41	1.86	<0.20	
EFFLUENT-A	03-Apr-95	F47	(2)		DSG 012	DSG 012	DSG 012	DSG 012	DSW 016	
EFFLUENT-A	03-Apr-95	F47							<0.70	
EFFLUENT-A	03-Apr-95	F47	(2)						DSV 015	

TABLE IV - 1
Site A Removal Action Effluent Water Quality - (ug/l)

Site ID	Sample Date	Qtr (1)		12DCE	C12DCE	T12DCE	TCLEE	TRCLE	HG	TSS
EFFLUENT-A	08-May-95	F47			42.9	3.55	<2.41	1.43	<0.20	
EFFLUENT-A	08-May-95	F47	(2)		DYT 013	DYT 013	DYT 013	DYT 013	DYP 016	
EFFLUENT-A	08-May-95	F47							<0.70	
EFFLUENT-A	08-May-95	F47	(2)						DYO 015	
EFFLUENT-A	01-Jun-95	F47							<0.70	2000.00
EFFLUENT-A	01-Jun-95	F47	(2)						ECZ 022	EDE 003
EFFLUENT-A	01-Jun-95	F47							<0.20	
EFFLUENT-A	01-Jun-95	F47	(2)						EDA 021	
EFFLUENT-A	11-Jul-95	F48			31.50	2.15	<2.41	<1.04	<0.70	
EFFLUENT-A	11-Jul-95	F48	(2)		ENH 010	ENH 010	ENH 010	ENH 010	ENA 021	
EFFLUENT-A	11-Jul-95	F48							<0.20	
EFFLUENT-A	11-Jul-95	F48	(2)						ENB 021	
EFFLUENT-A	08-Aug-95	F48			29.40	1.98	<2.41	<1.04	<0.20	
EFFLUENT-A	08-Aug-95	F48	(2)		ESI 010	ESI 010	ESI 010	ESI 010	ESD 032	
EFFLUENT-A	08-Aug-95	F48							L<0.70	
EFFLUENT-A	08-Aug-95	F48	(2)						ESC 032	
EFFLUENT-A	07-Sep-95	F48			24.80	1.44	<2.41	<1.04	<0.20	2000.00
EFFLUENT-A	07-Sep-95	F48	(2)		EWC 010	EWC 010	EWC 010	EWC 010	EVW 004	EWA 003
EFFLUENT-A	07-Sep-95	F48							<0.70	
EFFLUENT-A	07-Sep-95	F48	(2)						EVV 016	

Table IV-2

Site A Removal Action Pumping/VOC Recovery Data

Notes:

(1) Flowmeter fouling due to iron bacteria, no reading collected. Gallons pumped and VOCs recovered were estimated by interpolation between meter readings obtained.

(2) FCC Site A operator has stated that individual well flowrate readings are not as accurate as the total system flowrate readings for FY 95 due to higher probability of fouling of meter from iron bacteria.

(3) Uses 1/2 of the detection limit for compounds which were not detected.

(4) VOC levels estimated based on historical data. Current data not available. Table will be revised upon receipt of laboratory data.

TABLE 2-2

Site A Removal Action Pumping/VOC Recovery Data

Measurement Date	Recovery Well 01U351					Recovery Well 01U352					Recovery Well 01U353					Recovery Well 01U354				
	Flowrate (GPM)	Meter Reading	Gallons Pumped	VOCs (3) Detected (ppb)	VOCs Recovered (lbs)	Flowrate (GPM)	Meter Reading	Gallons Pumped	VOCs (3) Detected (ppb)	VOCs Recovered (lbs)	Flowrate (GPM)	Meter Reading	Gallons Pumped	VOCs (3) Detected (ppb)	VOCs Recovered (lbs)	Flowrate (GPM)	Meter Reading	Gallons Pumped	VOCs (3) Detected (ppb)	VOCs Recovered (lbs)
31-May-94	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0		0
28-Jun-94	5.2	208,442	208,442	42.17	0.073	8.0	322,026	322,026	543.20	1.452	6.7	272,075	272,075	447.00	1.009	9.9	400,831	400,831	3.59	0.012
26-Jul-94	5.8	440,689	232,247	24.17	0.047	5.6	549,270	227,244	205.00	0.387	6.0	515,943	243,868	258.80	0.524	8.2	730,625	329,794	7.76	0.021
03-Aug-94	7.0	521,864	81,175	15.23	0.010	8.1	642,289	93,019	114.35	0.088	6.0	584,816	68,873	197.88	0.113	8.1	823,853	93,228	14.64	0.011
06-Sep-94	7.0	862,615	340,751	13.58	0.038	7.6	1,013,960	371,671	145.90	0.450	4.3	794,241	209,425	243.00	0.422	7.9	1,212,536	388,683	29.16	0.094
06-Oct-94	6.0	1,120,300	257,685	17.59	0.038	3.7	1,172,800	158,840	46.95	0.062	7.1	1,102,000	307,759	293.80	0.751	5.4	1,447,400	234,864	30.95	0.060
03-Nov-94	7.8	1,435,439	315,139	11.22	0.029	4.6	1,358,155	185,355	52.97	0.081	5.0	1,302,758	200,758	247.70	0.413	11.7	1,920,139	472,739	26.82	0.105
02-Dec-94	4.0	1,602,881	167,442	10.06	0.014	3.5	1,505,438	147,283	46.40	0.057	4.3	1,484,163	181,405	367.14	0.553	8.2	2,263,000	342,861	25.31	0.072
07-Jan-95	3.7	1,795,500	192,619	9.77	0.016	3.2	1,673,900	168,462	31.31	0.044	4.9	1,740,300	256,137	324.90	0.691	8.5	2,702,000	439,000	22.64	0.082
28-Feb-95	3.7	2,073,175	277,675	17.62	0.041	0.6	1,722,074	48,174	57.55	0.023	3.4	1,996,578	256,278	84.48	0.180	6.5	3,186,796	484,796	37.50	0.151
31-Mar-95	7.4	2,404,569	331,394	18.40	0.051	1.3	1,778,600	56,526	57.55 (4)	0.027	6.8	2,298,700	302,122	96.85	0.243	9.9	3,629,395	442,599	31.61	0.116
24-Apr-95	7.6	2,667,550	262,981	17.86	0.039	0.0	1,778,678	78	57.55 (4)	0.000	5.7	2,497,000	198,300	239.22	0.394	8.1	3,908,310	278,915	23.83	0.055
01-Jun-95	7.7	3,089,968	422,418	17.64	0.062	1.9	1,883,765	105,087	57.55 (4)	0.050	3.0	2,662,852	165,852	286.35	0.394	5.2	4,194,385	286,075	20.30	0.048
31-Jul-95	8.1	3,787,100	697,132	18.07	0.105	2.0	2,058,000	174,235	26.24	0.038	1.7	--	144,228 (1)	286.35 (4)	0.343 (1)	6.9	4,792,000	597,615	18.37	0.091
31-Aug-95	7.4	--	329,295 (1)	18.07 (4)	0.049 (1)	1.1	--	49,600 (1)	26.24 (4)	0.011 (1)	1.7	--	74,518 (1)	286.35 (4)	0.177 (1)	2.8	--	123,679 (1)	18.37 (4)	0.019 (1)
27-Sep-95	7.4	4,403,200	286,805	17.95	0.043	1.1	2,150,800	43,200	19.50	0.007	1.7	2,946,500	64,903	448.95	0.242	2.8	5,023,400	107,721	16.44	0.015
					0.654					2.777					6.448					0.954
TOTAL			4,403,200					2,150,800					2,946,500					5,023,400		

Measurement Date	Recovery Well 01U355					Recovery Well 01U356					Recovery Well 01U357					Recovery Well 01U358					Total RA System		
	Flowrate (GPM)	Meter Reading	Gallons Pumped	VOCs (3) Detected (ppb)	VOCs Recovered (lbs)	Flowrate (GPM)	Meter Reading	Gallons Pumped	VOCs (3) Detected (ppb)	VOCs Recovered (lbs)	Flowrate (GPM)	Meter Reading	Gallons Pumped	VOCs (3) Detected (ppb)	VOCs Recovered (lbs)	Flowrate (GPM)	Meter Reading	Gallons Pumped	VOCs (3) Detected (ppb)	VOCs Recovered (lbs)	Flowrate (GPM)	Gallons Pumped	VOCs Recovered (lbs)
31-May-94	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0
28-Jun-94	9.1	368,579	368,579	221.48	0.678	6.1	247,748	247,748	292.42	0.601	4.9	199,556	199,556	68.75	0.114	8.8	356,395	356,395	28.60	0.085	58.9	2,375,652	4.024
26-Jul-94	3.3	500,017 (1)	131,438 (1)	151.70	0.166 (1)	9.3	622,020	374,272	162.00	0.503	4.9	396,472	196,916	70.77	0.116	7.9	675,200	318,805	34.33	0.091	51.0	2,054,584	1.854
03-Aug-94	3.3	537,571 (1)	37,554 (1)	141.54	0.044 (1)	9.3	728,806	106,786	131.35	0.116	5.0	454,027	57,555	65.56	0.031	7.1	757,531	82,331	35.01	0.024	53.9	620,521	0.439
06-Sep-94	3.3	697,174 (1)	159,603 (1)	101.70	0.135 (1)	5.7	1,007,975	279,169	102.98	0.239	3.4	619,081	165,054	68.66	0.094	6.1	1,055,753	298,222	33.09	0.082	45.2	2,212,578	1.554
06-Oct-94	3.3	838,000	140,826	148.00	0.173	3.0	1,137,900	129,925	86.41	0.093	2.6	733,400	114,319	52.66	0.050	4.2	1,235,900	180,147	36.41	0.054	35.3	1,524,365	1.281
03-Nov-94	12.1	1,325,880	487,880	80.34	0.325	3.9	1,293,667	155,767	73.45	0.095	3.9	892,448	159,048	59.22	0.078	10.6	1,664,563	428,663	37.09	0.132	48.4	1,950,350	1.259
02-Dec-94	5.1	1,539,621	213,741	76.70	0.136	3.5	1,438,569	144,902	74.60	0.090	4.1	1,064,564	172,116	45.71	0.065	8.3	2,012,939	348,376	34.18	0.099	36.7	1,530,941	1.085
07-Jan-95	3.8	1,734,200	194,579	83.15	0.134	0.0	1,439,600	1,031	74.60 (4)	0.001	1.6	1,145,500	80,936	40.70	0.027	7.8	2,415,600	402,661	36.51	0.122	31.1	1,612,609	1.117
28-Feb-95	2.5	1,921,094	186,894	71.37	0.111	2.2	1,602,555	162,955	85.50	0.116	1.1	1,224,130	78,630	72.89	0.048	1.8	2,546,655	131,055	46.30	0.050	20.4	1,528,500	0.719
31-Mar-95	9.9	2,361,945	440,851	89.60	0.328	9.6	2,030,353	427,798	81.00	0.288	4.6	1,430,214	206,084	69.03	0.118	4.4	2,745,008	198,353	48.29	0.080	51.6	2302800	1.250
24-Apr-95	5.8	--	200,608 (1)	89.60 (4)	0.149 (1)	7.2	2,279,600	249,247	64.60	0.134	3.1	1,537,810	107,596	61.94	0.055	3.4	2,861,470	116,462	39.78	0.038	61.1	2,110,400	0.865
01-Jun-95	5.8	--	317,629 (1)	89.60 (4)	0.236 (1)	2.4	2,411,594	131,994	41.59	0.046	3.6	1,736,559	198,749	45.98	0.076	3.6	3,058,871	197,401	28.64	0.047	30.9	1,689,500	0.959
31-Jul-95	5.8	3,381,700	501,519	45.50	0.189	5.8	--	500,139 (1)	41.59 (4)	0.173 (1)	4.3	2,109,900	373,341	43.63	0.135	6.2	3,596,100	537,229	26.98	0.120	56.2	4,854,900	1.194
31-Aug-95	1.9	--	86,640 (1)	45.50 (4)	0.033 (1)	5.8	--	258,405 (1)	41.59 (4)	0.089 (1)	3.4	--	150,510 (1)	43.63 (4)	0.055 (1)	1.8	--	78,783 (1)	26.98 (4)	0.018 (1)	27.6	1,232,500	0.450
27-Sep-95	1.9	3,543,800	75,460	47.39	0.030	5.8	3,395,200	225,062	37.01	0.069	3.4	2,391,500	131,090	39.23	0.043	1.8	3,743,500	68,617	30.07	0.017	25.8	1,002,858	0.465
					2.866					2.652					1.105					1.059			
TOTAL			3,543,800					3,395,200					2,391,500					3,743,500			28,603,058 (2)	18.514

Table IV-3

FY 1995 Monitoring Data for Site I
Building 502, TCAAP

TABLE IV-3

FY 1995 MONITORING DATA FOR SITE I
BUILDING 502, TCAAP
Concentration Units: µg/L

Compound	*Date*	*01U064*	*01U636 (Dry)*	*01U639 (Dry)*	*01U640 (Dry)*	*I01-MW (Dry)*	*I02-MW (Dry)*	*I03-MW (Dry)*	*I04-MW (Dry)*	*I05-MW (Dry)*
Trichloroethylene	03/24/95	3 1	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	03/24/95	< 10	-	-	-	-	-	-	-	-
1,1-Dichloroethylene	03/24/95	< 10								
1,2-Dichloroethylene	03/24/95	160	-	-	-	-	-	-	-	-
1,1-Dichloroethane	03/24/95	< 7.8	-	-	-	-	-	-	-	-
Chloroform	03/24/95	< 7.2	-	-	-	-	-	-	-	-
1,2-Dichloropropane	03/24/95	< 10	-	-	-	-	-	-	-	-
1,2-Dichloroethane	03/24/95	< 5	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	03/24/95	< 10	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethylene	03/24/95	< 10	-	-	-	-	-	-	-	-
Vinyl Chloride	03/24/95	< 19	-	-	-	-	-	-	-	-
1,1,2-Trichlorotrifluoroethane	03/24/95	< 10	-	-	-	-	-	-	-	-
Carbon Tetrachloride	03/24/95	< 13	-	-	-	-	-	-	-	-
Methlylene Chloride	03/24/95	< 32	-	-	-	-	-	-	-	-

Notes:
- \- Not Analyzed
- * Wells were to be analyzed for target PCBs
- 1 Results were less than Certified Reporting Limit but greater than the Criteria of Detection

Table IV-4

Remedial Treatment System Monitoring Plan

TABLE IV - 4
Remedial Treatment System Monitoring Plan

INTERIM TGRS

Location	Sampling Frequency	Parameters
Treatment System Influent	Monthly	Cat. 1
Treatment System Effluent	Quarterly	Antimony, Cobalt, Manganese
	Monthly	Cat. 1, Arsenic, Lead, Mercury, Cadmium, Chromium, Nickel, Zinc and pH
	Annually	Priority Pollutants

SITE A REMOVAL ACTION

Location	Sampling Frequency	Parameters
Treatment System Effluent (1)	Monthly	12DCE, TRCLE, TCLEE, and Total Mercury
	Anually (2)	pH, COD, and TSS

INTERIM SITE K

Location	Sampling Frequency	Parameters
Treatment System Influent	Quarterly	CH2CL2, 111TCE, 11DCLE, T12DCE, TRCLE, CCL4
Treatment System Effluent	Monthly	Ortho and Total Phosphorous
	Quarterly	Lead, Mercury, Zinc, Chromium, Copper, CH2CL2, 111TCE, 11DCLE, T12DCE, TRCLE, CCL4
	One-time (Spring 1996)	Arsenic, Cadmium, Nickel

0U3

Location	Sampling Frequency	Parameters
Treatment System Influent	Monthly	Cat. 1
Treatment System Effluent	Monthly	Cat. 1

NOTE: The parameter list for Category 1 is presented in Appendix E.

(1) USEPA and not USAEC analytical protocol required by Metropolitan Council Environmental Services on waters discharged to the sanitary sewer.
(2) Sampling annually unless concentrations greater than specified below are observed. If limits specified below are exceeded, quarterly sampling must be reinstated.

pH <5.0 or >11.0
COD >250 mg/l
TSS >125 mg/l

Table IV-5

Target Volatile Organic Compounds
Site K VOC Remediation
Building 103, TCAAP

TABLE IV-5

TARGET VOLATILE ORGANIC COMPOUNDS
SITE K VOC REMEDIATION
BUILDING 103, TCAAP

1.	Trichloroethylene
2.	1,1,1-Trichloroethane
3.	1,1-Dichloroethylene
4.	cis-1,2-Dichloroethylene
5.	trans-1,2-Dichloroethylene
6.	1,1-Dichloroethane
7.	Chloroform
8.	1,2-Dichloropropane
9.	1,2-Dichloroethane
10.	1,1,2-Trichloroethane
11.	Tetrachloroethylene
12.	Vinyl Chloride
13.	1,1,2-Trichlorotrifluoroethane
14.	Carbon Tetrachloride
15.	Methylene Chloride

Table IV-6

Effluent Target Compounds
Site K VOC Remediation
Building 103, TCAAP

TABLE IV-6

EFFLUENT TARGET COMPOUNDS
SITE K VOC REMEDIATION
BUILDING 103, TCAAP

Monthly

- Total Phosphorus
- Ortho Phosphate

Quarterly

- Total Phosphorus
- Ortho Phosphorus

VOCs:

- Trichloroethylene
- 1,1,1-Trichloroethane
- 1,1-Dichloroethylene
- cis-1,2-Dichloroethylene
- trans-1,2-Dichloroethylene
- 1,1-Dichloroethane
- Chloroform
- 1,2-Dichloropropane
- 1,2-Dichloroethane
- 1,1,2-Trichloroethane
- Tetrachloroethylene
- Vinyl Chloride
- 1,1,2-Trichlorotrifluoroethane
- Carbon Tetrachloride
- Methylene Chloride

Metals:

- Chromium
- Copper
- Lead
- Mercury
- Zinc

Table IV-7

Groundwater Elevations for Site K
Building 103, TCAAP

TABLE IV-7

GROUNDWATER ELEVATIONS FOR SITE K
BUILDING 103, TCAAP

Well	Elevation Ft. AMSL	08/25/86	09/30/86	10/01/86	10/02/86	10/07/86	10/09/86	10/13/86	10/24/86	05/11/87	07/23/87	08/04/87	08/13/87
01U047	880.31												
01U048	885.32												
01U052	886.51												
01U065	883.90												
01U128	883.69												
01U601	892.68	883.93	884.63	884.58	884.53	884.33	884.23	884.33		882.75		884.53	
01U602	889.35												
01U603	887.31	879.86	878.65	878.58	878.49	878.16	877.81	878.54		877.36	879.36	879.13	
01U604	888.98	879.23	877.38	877.18	877.06	876.78	876.58	876.68		877.51	877.11	878.57	877.20
01U605	887.76	877.96	878.35	878.35	878.31	878.18	877.94	878.05		887.76		878.41	
01U607	891.01	883.95	885.80	885.71	885.61	885.24	885.00	885.33		884.31	887.88	885.84	
01U608	889.30												
01U609	889.33										882.83	881.38	
01U611	889.29												
01U612	886.91	879.34	877.36	877.37	877.31	877.06	877.01	876.89		878.06	877.14	877.90	
01U613	892.07	883.88	884.51	884.46	884.42	884.17	884.07	884.49		882.52	885.70	884.49	
01U615	888.66	879.44	876.96	876.49	876.33	876.12	876.01	876.19		877.86	876.15	879.01	875.42
01U616	890.37	878.98	879.83	879.71	879.60	879.49	879.37	879.35	879.14	878.98	880.58	880.69	879.52
01U617	887.72	879.32	877.56	877.26	877.12	876.96	876.70	876.92		877.50	876.80	878.83	876.52
01U618	891.52	877.95	877.49	877.31	877.19	876.85	876.69	876.65		876.22	877.55	878.50	
01U619	891.75	883.05	882.91	882.75	883.79	883.52	883.36	883.28	883.52	882.70	884.69	884.10	883.83
01U620	888.65	883.17	882.02	881.77	881.63	878.62	878.46	878.51		878.66	879.34	880.60	
01U621	886.57	879.71	878.68	878.44	878.33	878.12	877.90	878.02		877.79	878.30	879.78	
01U622	889.43												
01U623	889.44	883.43	878.38	878.37	878.34	878.17	878.12	878.06			877.54	877.78	
01U624A	889.88	880.15	878.75	878.46	878.32	878.03	877.89	877.96	877.90	878.41	879.17	880.10	877.81
01U624B	889.88	880.15	878.71	878.43	878.29	878.00	877.88	877.92	877.90	878.41	878.91	880.08	877.78
01U624C	889.91	880.15	878.73	878.45	878.31	878.02	877.89	877.96	877.91	878.41	878.89	880.09	877.78
01U624D	889.89	880.16	878.72	878.45	878.30	878.01	877.89	877.95	877.91	878.42	878.88	880.09	877.79
01U625A	886.92	878.28	877.63	877.20	877.03	877.73	877.58	877.74	877.87	878.98	878.00	880.36	877.08
01U625B	886.91	878.27	877.64	877.21	877.06	876.96	876.84	876.99	877.16	878.21	877.19	879.71	876.24
01U625C	886.91	878.28	877.66	877.20	877.04	876.86	876.84	876.98	877.15	878.25	877.21	879.71	876.23
01U625D	886.92	878.29	877.64	877.20	877.05	876.87	876.85	876.99	877.16	878.22	877.18	879.69	876.25

Note:
Elevations reported in feet above mean sea level
NM - Not measured

TABLE IV-7

GROUNDWATER ELEVATIONS FOR SITE K
BUILDING 103, TCAAP

Well	Elevation Ft. AMSL	08/24/87	09/01/87	10/06/87	11/03/87	01/05/88	02/29/88	04/05/88	05/27/88	07/08/88	09/07/88	10/04/88	12/06/88
01U047	880.31												
01U048	885.32												
01U052	886.51												
01U065	883.90												
01U128	883.69												
01U601	892.68			883.26	883.24	883.13	883.09	883.73	883.38	883.08	883.39	883.48	883.72
01U602	889.35												
01U603	887.31		877.23	876.02	875.87	877.29	875.74	875.64	875.91	875.44	875.93	876.56	875.93
01U604	888.98		875.83	875.07	875.49	877.38		874.73	875.03	874.78	874.99	875.68	875.03
01U605	887.76		877.58	876.43	875.97	875.47	Dry		876.53	875.54	875.80	875.61	875.86
01U607	891.01		884.56	883.56	883.22	883.53	882.64	885.81	884.75	886.32	885.14	885.21	885.06
01U608	889.30												
01U609	889.33			882.94	882.76	882.55	882.38	882.88	882.80	882.65	882.84	882.81	882.82
01U611	889.29								883.18		883.21	883.21	883.36
01U612	886.91		876.42	Dry	Dry	878.08		876.48	876.91	876.39	Dry	877.01	876.94
01U613	892.07		883.67	883.04	882.75	882.69	881.82	884.42	883.82	884.20	884.57	884.17	N/M
01U615	888.66		874.81	874.47	874.46	877.71	874.06	874.11	874.32	874.27	874.46	874.86	874.38
01U616	890.37	878.62	878.30	877.47	877.28	878.89	876.74	876.74	877.09	877.20	877.51	878.04	876.83
01U617	887.72		875.78	875.18	875.21	877.33	874.52	874.70	875.06	874.87	875.05	875.32	874.97
01U618	891.52		875.72	874.76	874.50	875.98	873.80	874.00	874.42	874.47	875.45	875.20	874.30
01U619	891.75		883.08	882.13	881.95	881.82	891.75	882.23	882.20	882.22	883.05	882.40	882.39
01U620	888.65		877.39	876.64	876.43	878.51	875.79	875.91	876.29	876.30	876.64	877.09	878.95
01U621	886.57		876.97	876.20	875.99	877.72	875.24	875.50	875.91	875.74	875.98	876.30	875.83
01U622	889.43												
01U623	889.44			876.34	876.39	877.94	876.06	875.79	875.76	875.76	875.89	876.76	875.70
01U624A	889.88		879.78	Dry	Dry	878.25	889.88	889.88	Dry	Dry	Dry	Dry	Dry
01U624B	889.88	877.00	876.73	876.08	875.92	878.25	875.35	875.38	875.74	875.73	876.59	876.63	875.73
01U624C	889.91	877.02	876.76	876.11	875.93	878.28	875.37	875.41	875.77	875.75	876.11	876.63	875.75
01U624D	889.89	877.04	876.75	876.10	875.94	878.25	875.36	875.39	875.76	875.74	876.10	876.64	875.74
01U625A	886.92	876.61	876.43	875.95	875.91	878.78	875.39	875.45	875.75	875.69	875.95	876.29	874.92
01U625B	886.91	875.84	875.63	875.21	875.13	878.08	874.62	874.68	874.97	874.90	875.20	875.49	874.89
01U625C	886.91	875.83	875.62	875.20	875.13	878.07	874.62	874.67	874.96	874.89	875.20	875.50	874.89
01U625D	886.92	875.82	875.66	875.24	875.14	878.07	874.62	874.68	874.97	874.90	875.20	875.50	874.91

Note:
Elevations reported in feet above mean sea level
NM - Not measured

TABLE IV-7

GROUNDWATER ELEVATIONS FOR SITE K
BUILDING 103, TCAAP

Well	Elevation Ft. AMSL	03/29/89	06/07/89	09/08/89	11/21/89	01/03/90	05/07/90	07/03/90	10/02/90	03/06/91	06/04/91	9/03/91	12/06/91
01U047	880.31									873.12	875.51	873.97	875.34
01U048	885.32									873.13	875.89	874.38	875.45
01U052	886.51									873.11	876.04	874.91	875.65
01U065	883.90									872.83	874.60	873.84	874.25
01U128	883.69									872.80	876.35	874.17	875.56
01U601	892.68	884.01	883.78	883.78		882.77	883.62	884.09	883.73	883.13	884.95	883.89	884.65
01U602	889.35									883.31	883.91	883.42	883.83
01U603	887.31	875.74	877.24	878.05		876.22	877.47	878.48	877.78	876.28	878.99	877.34	878.27
01U604	888.98	874.38	876.00	876.98		876.04	876.24	877.12	876.88	876.14	877.90	876.38	877.58
01U605	887.76	Dry	877.32	876.91		Dry	876.32	878.51	877.54	Dry	878.95	877.68	878.02
01U607	891.01	886.88	884.58	885.79		882.19	885.13	885.21	883.96	883.47	886.22	884.65	885.69
01U608	889.30									883.20	884.06	883.35	884.21
01U609	889.33	882.50	882.98	883.00		882.27	N/A	883.26	883.21	882.37	883.77	883.42	883.97
01U611	889.29	882.45	N/M	N/M		889.29	883.20	883.81	883.47	882.92	884.47	883.65	884.34
01U612	886.91	Dry	N/M	877.16		Dry	877.16	877.62	877.12	Dry	878.20	877.19	878.00
01U613	892.07	885.31	N/M	884.48		881.86	883.68	884.22	883.24	882.55	884.76	884.50	884.33
01U615	888.66	874.13	874.90	876.48		874.47	874.65	876.05	876.45	874.58	877.31	875.82	877.36
01U616	890.37	876.68	878.20	879.23		876.71	876.93	878.60	879.19	876.65	879.69	878.52	879.71
01U617	887.72	874.46	875.79	876.88		874.95	875.44	877.00	877.04	875.24	878.00	876.57	877.72
01U618	891.52	874.01	875.55	876.66		874.02	874.33	876.38	876.66	873.97	877.76	877.81	879.08
01U619	891.75	882.33	883.00	882.90		881.28	881.99	883.17	882.99	881.30	884.41	882.89	883.84
01U620	888.65	875.84	877.27	878.61		878.82	879.09	880.99	881.36	878.79	882.31	878.87	880.07
01U621	886.57	875.18	876.82	876.83		875.61	876.14	877.99	878.00	875.76	879.09	877.57	878.58
01U622	889.43									Dry	882.50	882.51	882.70
01U623	889.44	875.48	876.13	876.96		875.83	875.73	876.60	877.44	875.76	876.72	877.08	877.96
01U624A	889.88	Dry	Dry	878.17	Dry	Dry	Dry	877.67	878.09	Dry	878.96	877.43	878.76
01U624B	889.88	875.38	876.68	878.08	876.30	875.67	875.88	877.66	878.07	875.65	878.90	877.42	878.74
01U624C	889.91	875.39	876.70	878.10	876.32	875.68	875.90	877.66	878.08	875.67	878.91	877.42	878.75
01U624D	889.89	875.39	876.71	878.09	876.32	875.69	875.90	877.65	878.08	875.66	878.89	877.40	878.75
01U625A	886.92	875.49	876.48	878.01	875.61	875.00	875.20	876.77	877.15	875.01	878.03	876.55	877.94
01U625B	886.91	874.75	875.71	877.28	875.64	874.94	875.14	876.74	877.11	875.02	878.06	876.54	877.95
01U625C	886.91	874.74	875.70	877.28	875.64	874.94	875.14	876.76	877.11	875.02	878.06	876.54	877.95
01U625D	886.92	874.76	875.71	877.28	875.66	874.94	875.13	876.77	877.10	875.02	878.07	876.55	877.96

Note:
Elevations reported in feet above mean sea level
NM - Not measured

TABLE IV-7

GROUNDWATER ELEVATIONS FOR SITE K
BUILDING 103, TCAAP

Well	Elevation Ft. AMSL	03/02/92	06/01/92	09/09/92	12/01/92	03/02/93	06/01/93	09/08/93	03/01/94	09/06/94	3/6/95	9/5/95
01U047	880.31	874.24	873.82	873.02	873.67	873.54	874.63	874.87	874.13	873.36	873.21	874.58
01U048	885.32	874.54	874.32	873.51	874.07	873.45	875.00	875.25	873.96	873.61	873.06	874.99
01U052	886.51	874.95	874.64	873.61	874.47	873.55	875.52	875.49	874.26	873.75	873.30	875.22
01U065	883.90	873.81	873.71	873.25	873.80	873.23	874.27	874.43	873.33	873.47	873.04	874.27
01U128	883.69	874.41	874.01	872.93	873.87	873.09	875.35	875.18	873.81	873.16	872.84	874.90
01U601	892.68	884.46	886.48	883.94	883.91	883.27	884.34	884.43	883.54	883.52	882.88	883.84
01U602	889.35	883.40	883.15	883.13	883.31	882.71	883.20	883.86	883.23	883.11	882.47	883.22
01U603	887.31	877.54	877.49	878.01	877.11	876.38	878.19	879.17	876.14	876.64	876.12	877.53
01U604	888.98	876.50	876.67	876.50	876.35	876.12	877.01	878.65	876.70	875.86	876.62	876.91
01U605	887.76	877.52	877.72	877.34	877.34	875.64	878.38	878.43	876.32	876.70	Dry	877.79
01U607	891.01	886.17	884.25	883.63	884.94	882.84	885.86	884.82	883.74	881.86	882.28	883.64
01U608	889.30	883.53	883.27	883.19	883.46	882.62	883.49	884.18	882.80	882.81	882.24	883.42
01U609	889.33	883.37	883.22	883.12	883.41	882.72	883.35	883.91	882.77	882.75	882.44	883.29
01U611	889.29	883.92	883.48	883.58	N/A	883.13	883.92	884.18	883.25	883.22	882.82	883.54
01U612	886.91	876.62	877.31	877.11	877.19	Dry	878.21	878.65	Dry	876.89	886.91	877.56
01U613	892.07	884.67	883.30	884.13	883.62	882.77	884.65	884.13	883.41	883.00	881.98	883.35
01U615	888.66	876.10	876.30	875.66	876.16	875.70	876.29	878.67	874.92	875.35	874.82	876.73
01U616	890.37	878.55	878.83	878.33	878.60	877.34	878.82	880.81	877.39	877.89	876.95	879.12
01U617	887.72	876.52	876.92	876.39	876.72	875.91	877.09	878.99	875.41	875.98	875.20	877.31
01U618	891.52	877.74	878.06	877.55	877.96	877.53	879.25	881.12	877.53	878.13	877.10	879.52
01U619	891.75	883.25	882.87	882.72	883.08	881.61	883.38	884.01	882.15	882.49	881.17	883.12
01U620	888.65	878.70	879.07	878.55	878.96	876.78	878.21	880.27	876.52	877.15	876.21	878.55
01U621	886.57	877.36	877.81	877.29	877.64	876.45	878.05	879.84	876.18	876.93	875.85	878.30
01U622	889.43	Dry	Dry	Dry	Dry	Dry	Dry	N/A	Obstructed	Obstructed	Obstructed	Obstructed
01U623	889.44	877.23	877.48	876.88	877.03	876.33	876.97	879.09	Obstructed	Obstructed	Obstructed	Obstructed
01U624A	889.88	877.45	877.75	877.14	877.63	Dry	877.80	879.96	Dry	Dry	Dry	878.15
01U624B	889.88	877.45	877.75	877.13	877.61	876.53	877.78	879.96	876.21	876.78	875.92	878.15
01U624C	889.91	877.46	877.76	877.15	877.64	876.56	877.80	879.96	876.24	876.79	875.96	878.18
01U624D	889.89	877.46	877.76	877.14	877.63	876.56	877.79	879.97	876.23	876.79	875.94	878.16
01U625A	886.92	876.69	876.94	876.31	876.85	876.18	876.96	879.27	875.40	875.96	875.24	877.39
01U625B	886.91	876.71	876.93	876.29	876.84	876.17	876.95	879.26	875.39	875.95	875.23	877.38
01U625C	886.91	876.71	876.93	876.29	876.84	876.18	876.95	879.26	875.40	875.95	875.23	877.38
01U625D	886.92	876.72	876.94	876.30	876.85	876.16	876.96	879.27	875.41	875.96	875.24	877.39

Note:
Elevations reported in feet above mean sea level
NM - Not measured

TABLE IV-7

GROUNDWATER ELEVATIONS FOR SITE K
BUILDING 103, TCAAP

Well	*Elevation Ft. AMSL*	*08/25/86*	*09/30/86*	*10/01/86*	*10/02/86*	*10/07/86*	*10/09/86*	*10/13/86*	*10/24/86*	*05/11/87*	*07/23/87*	*08/04/87*	*08/13/87*
01U626A	886.87	877.12	881.69	881.73	881.94	876.82	876.57	876.77	876.80	878.04	876.92	879.21	876.31
01U626B	886.88	879.31	877.26	876.78	876.61	882.02	882.02	881.91	876.77	878.05	876.49	879.42	876.59
01U626C	886.88	878.69	877.18	876.70	876.53	876.54	876.40	876.59	876.84	878.07	876.58	879.45	876.68
01U626D	886.88	879.82	877.18	876.96	876.85	876.61	876.46	876.66	876.89	878.08	876.64	879.48	876.77
01U627A	886.46	877.97	878.16	877.96	877.98	877.80	877.51	877.62	877.41	878.03	877.76	879.21	878.04
01U627B	886.47	878.00	877.48	877.08	876.93	876.93	876.76	876.96	877.08	878.03	876.99	879.44	876.25
01U627C	886.47	878.07	877.42	876.99	876.85	876.84	876.67	876.86	877.02	878.05	876.87	879.45	876.12
01U627D	886.48	878.06	877.49	877.04	876.88	876.86	876.70	876.89	877.05	878.05	876.95	879.47	876.11
01U628A	887.82	879.60	878.22	878.10	878.02	877.87	877.47	877.77	877.49	877.42	877.65	878.83	877.68
01U628B	887.83	879.88	878.03	877.84	877.74	877.60	877.26	877.51	877.34	877.51	877.40	878.91	877.28
01U628C	887.82	879.89	877.77	877.47	877.34	877.16	876.92	877.13	877.11	877.52	877.08	879.03	876.67
01U628D	887.84	879.91	877.79	877.48	877.36	877.17	876.92	877.14	877.12	877.61	877.17	879.02	876.69
K01MW	891.24												
K02MW	891.35												
K04MW	887.66												

Note:
Elevations reported in feet above mean sea level
NM - Not measured

TABLE IV-7

GROUNDWATER ELEVATIONS FOR SITE K
BUILDING 103, TCAAP

Well	Elevation Ft. AMSL	08/24/87	09/01/87	10/06/87	11/03/87	01/05/88	02/29/88	04/05/88	05/27/88	07/08/88	09/07/88	10/04/88	12/06/88
01U626A	886.87	875.63	875.41	874.78	874.84	877.81	874.17	874.25	874.54	874.73	874.72	875.07	874.29
01U626B	886.88	875.22	875.13	874.79	874.73	877.89	874.19	874.25	874.52	874.45	874.68	874.85	874.43
01U626C	886.88	875.23	875.22	874.88	874.81	877.92	874.28	874.36	874.62	874.53	874.79	874.97	874.53
01U626D	886.88	875.34	875.31	874.96	874.86	877.91	874.34	874.41	874.71	874.61	874.87	875.04	874.60
01U627A	886.46	876.86	876.56	873.81	875.64	877.86	875.16	875.40	875.66	875.76	875.71	876.55	875.31
01U627B	886.47	875.81	875.66	875.21	875.19	877.88	874.56	874.68	875.01	874.88	875.12	875.34	874.82
01U627C	886.47	875.70	875.55	875.15	875.10	877.89	874.51	874.63	874.91	874.75	875.05	875.29	874.77
01U627D	886.48	875.75	875.57	875.15	875.06	877.89	874.53	874.63	874.95	874.80	875.08	875.25	874.82
01U628A	887.82	877.01	876.81	875.97	875.87	877.18	875.06	875.35	875.89	875.60	875.77	876.06	875.66
01U628B	887.83	876.67	876.48	875.74	875.65	877.29	874.90	875.13	875.63	875.35	875.56	875.84	875.45
01U628C	887.82	876.15	876.44	875.42	875.34	877.42	874.67	874.83	875.22	875.02	875.24	875.50	875.14
01U628D	887.84	876.19	876.02	875.39	875.30	877.44	874.67	874.84	875.19	875.03	875.24	875.52	875.16
K01MW	891.24												
K02MW	891.35												
K04MW	887.66												

Note:
Elevations reported in feet above mean sea level
NM - Not measured

TABLE IV-7

GROUNDWATER ELEVATIONS FOR SITE K
BUILDING 103, TCAAP

Well	*Elevation Ft. AMSL*	*03/29/89*	*06/07/89*	*09/08/89*	*11/21/89*	*01/03/90*	*05/07/90*	*07/03/90*	*10/02/90*	*03/06/91*	*06/04/91*	*9/03/91*	*12/06/91*
01U626A	886.87	874.15	875.56	876.99	875.73	875.49	875.96	876.73	876.80	875.81	877.73	876.32	877.68
01U626B	886.88	874.41	875.28	876.87	875.38	874.63	874.88	876.40	876.68	874.82	877.71	876.18	877.59
01U626C	886.88	874.47	875.37	876.95	875.41	874.66	874.88	876.44	876.74	874.82	877.78	876.23	877.65
01U626D	886.88	874.51	875.42	876.99	875.46	874.72	874.94	876.51	876.80	874.86	877.82	876.28	877.69
01U627A	886.46	874.70	876.78	877.83	876.79	877.14	877.43	877.69	877.58	877.52	878.47	877.36	878.22
01U627B	886.47	874.66	875.73	877.16	875.75	874.96	875.22	876.79	877.00	875.17	878.02	876.50	877.82
01U627C	886.47	874.65	875.64	877.10	875.62	874.83	875.11	876.71	876.95	875.00	877.93	876.43	877.77
01U627D	886.48	874.63	875.67	877.13	875.57	874.90	875.14	876.73	876.95	875.03	877.97	876.45	877.78
01U628A	887.82	874.84	876.73	877.43	875.86	875.49	876.32	877.94		875.59	878.63	877.33	878.14
01U628B	887.83	874.76	876.43	877.28	875.80	875.32	875.98	877.63		875.46	878.45	877.10	878.03
01U628C	887.82	874.63	876.00	877.07	875.72	875.09	875.55	877.18		875.28	878.19	876.75	877.89
01U628D	887.84	874.63	875.99	877.09	875.68	875.10	875.56	877.20		875.29	878.22	876.77	877.89
K01MW	891.24												
K02MW	891.35												
K04MW	887.66												

Note:
Elevations reported in feet above mean sea level
NM - Not measured

TABLE IV-7

GROUNDWATER ELEVATIONS FOR SITE K
BUILDING 103, TCAAP

Well	Elevation Ft. AMSL	03/02/92	06/01/92	09/09/92	12/01/92	03/02/93	06/01/93	09/08/93	03/01/94	09/06/94	3/6/95	9/5/95
01U626A	886.87	876.62	876.79	876.23	876.63	876.62	876.94	878.89	875.39	875.95	875.93	877.25
01U626B	886.88	876.42	876.60	875.94	876.52	876.03	876.63	878.93	875.09	875.60	875.04	877.07
01U626C	886.88	876.47	876.66	875.98	876.57	876.02	876.68	878.98	875.13	875.66	875.04	877.11
01U626D	886.88	876.51	876.70	875.93	876.61	876.03	876.73	879.01	875.18	875.71	875.08	877.16
01U627A	886.46	877.26	877.63	877.19	877.27	877.30	877.86	879.31	876.41	877.09	877.24	878.05
01U627B	886.47	876.64	876.88	876.25	876.77	876.12	876.95	879.12	875.43	875.91	875.36	877.31
01U627C	886.47	876.59	876.82	876.17	876.71	876.07	876.87	879.08	875.33	875.84	875.21	877.27
01U627D	886.48	876.60	876.83	876.18	876.73	876.08	876.89	879.09	875.33	875.85	875.22	877.28
01U628A	887.82	877.06	877.63	877.11	877.40	876.19	877.89	879.40	875.85	876.76	875.69	877.98
01U628B	887.83	876.92	877.43	876.87	877.21	876.14	877.63	879.30	875.73	876.45	875.55	877.78
01U628C	887.82	876.72	877.12	876.52	876.94	876.06	877.26	879.17	875.57	876.15	875.38	877.50
01U628D	887.84	876.74	877.13	876.53	876.95	876.06	877.26	879.17	875.56	876.16	875.38	877.50
K01MW	891.24								884.07	886.33	883.38	886.34
K02MW	891.35								885.00	884.48	883.86	884.99
K04MW	887.66								878.73	879.46	877.86	880.28

Note:
Elevations reported in feet above mean sea level
NM - Not measured

Table IV-8

FY 1993 - FY 1995
Groundwater Quality Data for Site K
Building 103, TCAAP

TABLE IV-8

FY1993 - FY1995 GROUNDWATER QUALITY DATA FOR SITE K
BUILDING 103, TCAAP

Concentration Units: ug/L

Well	Date	111TCE	112TCE	11DCE	11DCLE	12DCE	12DCLE	12DCLP	C12DCE	C2H3CL	CCL4	CH2CL2	CHCL3	T12DCE	TCLEE	TCLTFE	TRCLE
OW104	3/27/93	< 1	< 1	< 1	< 0.78	< 0.5	< 0.5	< 1		< 1.9	< 1.3	< 3.2	< 0.72	ND R	< 1	< 1	< 0.5
(01U604)	3/1/94	< 1	< 1	< 1	< 0.78	0.586	< 0.5	< 1		< 1.9	< 1.3	< 3.2	< 0.72	ND T	< 1	< 1	1.16
	3/7/95	< 1	< 1	< 1	< 0.78	< 0.5	< 0.5	< 1		< 1.9	< 1.3	< 3.2	< 0.72	ND T	< 1	< 1	0.31 1
OW111	3/27/93	< 2000	< 2000	< 2000	< 1600	< 1000	< 1000	< 2000		< 3800	< 2600	< 6400	< 1400	ND R	< 2000	< 2000	81000
(01U611)	3/1/94	< 5000	< 5000	< 5000	< 3900	3900	< 2500	< 5000		< 9500	< 6500	< 16000	< 3600	ND T	< 5000	< 5000	180000
	3/7/95	< 500	< 500	< 500	< 390	5100	< 250	< 500		< 950	< 650	< 1600	< 360	ND T	< 500	< 500	35000
OW115	3/24/93	< 500	< 500	< 500	< 390	930	< 250	< 500		< 950	< 650	< 1600	< 360	ND R	< 500	< 500	17000
(01U615)	3/1/94	< 200	< 200	< 200	< 160	920	< 100	< 200		< 380	< 260	< 640	< 140	80 Z	< 200	< 200	17000
	3/7/95	< 250	< 250	< 250	< 200	1100	< 130	< 250		< 480	< 330	< 800	< 180	240 Z	< 250	< 250	12000
OW117	3/24/93	< 1	< 1	< 1	< 0.78	2.66	< 0.5	< 1		< 1.9	< 1.3	< 3.2	< 0.72	ND R	< 1	< 1	1.31
(01U617)	9/16/93	< 1	< 1	< 1	< 0.78	1.75	< 0.5	< 1		< 1.9	< 1.3	< 3.2	< 0.72	ND R	< 1	< 1	0.985
	9/16/93	< 1 D	< 1 D	< 1 D	< 0.78 D	1.84 D	< 0.5 D	< 1 D		< 1.9 D	< 1.3 D	< 3.2 D	< 0.72 D	ND RD	< 1 D	< 1 D	1.14 D
	3/1/94	< 1 D	< 1	< 1	< 0.78 D	2.27 D	0.754 D	< 1 D		< 1.9 D	< 1.3 D	< 3.2 D	< 0.72 D	ND TD	< 1 D	< 1 D	1.38 D
	3/1/94	< 1	< 1 D	< 1 D	< 0.78 D	1.85	< 0.5	< 1		< 1.9	< 1.3	< 3.2	< 0.72	ND T	< 1	< 1	1.3
	9/6/94	< 1	< 1	< 1	< 0.78	2	0.483 1	< 1		< 1.9	< 1.3	< 3.2	< 0.72	ND T	< 1	< 1	0.928
	3/7/95	< 1	< 1	< 1	< 0.78	2.42	< 0.5	< 1		< 1.9	< 1.3	< 3.2	< 0.72	0.373 Z	< 1	< 1	0.782
	9/5/95	< 1	< 1	< 1	< 0.78	2.97	< 0.5	< 1		< 1.9	< 1.3	< 3.2	< 0.72	ND T	< 1	< 1	0.858
OW118	3/27/93	< 1	< 1	< 1	0.854	1.13	< 0.5	< 1		< 1.9	< 1.3	< 3.2	< 0.72	ND R	< 1	42.5	5.3
(01U618)	3/1/94	< 1	< 1	< 1	1.72	1.01	< 0.5	< 1		< 1.9	< 1.3	< 3.2	< 0.72	ND T	< 1	5.83	3.43
	3/7/95	< 1	< 1	< 1	1.84	1	< 0.5	< 1		< 1.9	< 1.3	< 3.2	< 0.72	ND T	< 1	5.66	3.36
OW119	3/24/93	< 1	< 1	< 1	2.23	< 0.5	< 0.5	< 1		< 1.9	< 1.3	< 3.2	< 0.72	ND R	< 1	4.91	2
(01U619)	3/1/94	< 1	< 1	< 1	< 0.78	< 0.5	< 0.5	< 1		< 1.9	< 1.3	< 3.2	< 0.72	ND T	< 1	26.7	1.85
	3/7/95	< 1	< 1	< 1	0.547 1	< 0.5	< 0.5	< 1		< 1.9	< 1.3	< 3.2	< 0.72	ND T	< 1	380	2.48
OW121	3/24/93	< 1	< 1	< 1	< 0.78	< 0.5	< 0.5	< 1		< 1.9	< 1.3	< 3.2	< 0.72	ND R	< 1	< 1	< 0.5
(01U621)	9/16/93	< 1	< 1	< 1	< 0.78	3.21	< 0.5	< 1		< 1.9	< 1.3	< 3.2	< 0.72	ND R	< 1	< 1	< 0.5
	3/1/94	< 1	< 1	< 1	< 0.78	5.21	< 0.5	< 1		< 1.9	< 1.3	< 3.2	< 0.72	ND T	< 1	< 1	< 0.5
	9/6/94	< 1	< 1	< 1	< 0.78	12	0.274 1	< 1		< 1.9	< 1.3	< 3.2	< 0.72	ND T	< 1	< 1	< 0.5
	9/6/94	< 1 D	< 1 D	< 1 D	< 0.78 D	12.1 D	0.26 1D	< 1 D		< 1.9 D	< 1.3 D	< 3.2 D	< 0.72 D	ND TD	< 1 D	< 1 D	< 0.5 D
	3/7/95	< 1	< 1	< 1	< 0.78	9.64	< 0.5	< 1		< 1.9	< 1.3	< 3.2	< 0.72	ND T	< 1	< 1	< 0.5
	9/5/95	< 1	< 1	< 1	< 0.78	11.1	< 0.5	< 1		< 1.9	< 1.3	< 3.2	< 0.72	ND T	< 1	< 1	< 0.5
	9/5/95	< 1 D	< 1 D	< 1 D	< 0.78 D	11.7 D	< 0.5 D	< 1 D		< 1.9 D	< 1.3 D	< 3.2 D	< 0.72 D	ND TD	< 1 D	< 1 D	< 0.5 D
01U128	3/24/93	< 1	< 1	< 1	1.2	30.5	< 0.5	< 1		< 1.9	< 1.3	< 3.2	< 0.72	2.57	< 1	< 1	< 0.5
	3/24/93	< 1	< 1	< 1	0.973	28.2	< 0.5	< 1		< 1.9	< 1.3	< 3.2	< 0.72	2.17 D	< 1	< 1	< 0.5
	3/1/94	< 1	< 1	< 1	1.15	26.8	< 0.5	< 1		< 1.9	< 1.3	< 3.2	< 0.72	2.6	< 1	< 1	< 0.5
	3/7/95	< 1	< 1	< 1	< 0.78	15.3	< 0.5	< 1		< 1.9	< 1.3	< 3.2	< 0.72	2.17	< 1	< 1	< 0.5
K01MW	4/6/93	ND R	ND R	ND R	ND R	ND R	ND R	ND R	ND R	ND R	ND R	ND R	ND R	ND R	ND R		ND R
	3/1/94	< 1	< 1	< 1	< 0.78	< 0.5	< 0.5	< 1		< 1.9	< 1.3	< 3.2	< 0.72	ND T	< 1	< 1	< 0.5
K02MW	4/6/93	ND R	ND R	ND R	ND R	ND R	ND R	ND R	ND R	ND R	ND R	ND R	ND R	ND R	ND R		ND R
	3/1/94	< 1	< 1	< 1	< 0.78	< 0.5	< 0.5	< 1		< 1.9	< 1.3	< 3.2	< 0.72	ND T	< 1	< 1	< 0.5
K04MW	4/6/93	ND R	ND R	ND R	5.5 S	ND R	ND R	ND R	ND R	ND R	ND R	ND R	ND R	ND R	ND R		16 S
	3/1/94	< 1	< 1	< 1	6.8	1.47	< 0.5	< 1		< 1.9	< 1.3	< 3.2	< 0.72	ND T	< 1	< 1	16.8
	3/7/95	< 1	< 1	< 1	4.39	1.25	< 0.5	< 1			< 1.3	< 3.2	< 0.72	ND T	< 1	< 1	

Note:

D- Duplicate analysis
T- Non-target compound analyzed for but not detected (non-GC/MS method)
R Non-target compound analyzed for but not detected (GC/MS method)
1- Result were less than Certified Reporting Limit but greater than the Criteria of Detection
S- Non-target compund analzed for and detected (GC/MS method)

Table IV-9

Treatment Building Concentrations for Site K Building 103, TCAAP

TABLE IV-9

TREATMENT BUILDING CONCENTRATIONS FOR SITE K
BUILDING 103, TCAAP
Concentration Units: ug/L

Well	*Date*	*12DCLP*	*112TCE*	*C2H3CL*	*CCL3F*	*C12DCE*	*CH2CL2*	*11DCE*	*11DCLE*	*T12DCE*	*CHCL3*	*12DCLE*
INF	12/01/92	< 2.00	< 10.00	< 15.00		61.00	< 10.00	< 3.00	< 2.00	6.00	< 5.00	< 2.00
INF	06/07/94	< 4.00	< 20.00	< 30.00	< 8.00	47.00	< 20.00	< 6.00	< 4.00	6.30	< 10.00	< 4.00
INF	09/06/94	< 4.00	< 20.00	< 30.00	< 8.00	36.00	< 20.00	< 6.00	< 4.00	< 6.00	< 10.00	< 4.00
INF	03/02/93	< 0.40	< 2.00	< 3.00		13.00	< 2.00	< 0.60	< 0.40	1.30	< 1.00	< 0.40
INF	06/01/93	< 2.00	< 10.00	< 15.00		49.00	22.00	< 3.00	< 2.00	10.00	6.70	< 2.00
INF	09/16/93	< 2.00	< 10.00	< 15.00		54.00	< 10.00	< 3.00	< 2.00	8.20	< 5.00	< 2.00
INF	12/07/93	< 2.00	< 10.00	< 15.00	< 4.00	80.00	< 10.00	< 3.00	< 2.00	8.10	< 5.00	< 2.00
INF	03/01/94	< 0.20	< 1.00	< 1.50	< 0.40	36.00	< 1.00	< 0.30	< 0.20	4.40	< 0.50	< 0.20
INF	12/06/94	< 2.00	< 10.00	< 15.00	< 4.00	75.00	< 10.00	< 3.00	< 2.00	4.30	< 5.00	< 2.00
INF	03/07/95	< 0.20	< 1.00	< 1.50	< 0.40	< 0.50	< 1.00	< 0.30	< 0.20	6.10	< 0.50	< 0.20
INF	06/06/95	< 2.00	< 10.00	< 15.00	< 4.00	35.00	< 10.00	7.70	< 2.00	< 3.00	< 5.00	< 2.00
INF	09/05/95	< 2.00	< 10.00	< 15.00	< 4.00	84.00	< 10.00	< 3.00	< 2.00	1.10	< 5.00	< 2.00
EFF	10/02/92											
EFF	11/03/92											
EFF	12/01/92	< 0.20	< 1.00	< 1.50		< 0.50	< 1.00	< 0.30	< 0.20	< 0.30	< 0.50	< 0.20
EFF	12/01/92	< 0.20	< 1.00	< 1.50		< 0.50	< 1.00	< 0.30	< 0.20	< 0.30	< 0.50	< 0.20
EFF	01/05/93											
EFF	02/02/93											
EFF	03/02/93	< 1.00	< 1.00	< 1.90	< 1.00		< 3.20	< 1.00	< 0.78	< 0.30	< 0.72	< 0.50
EFF	04/07/93											
EFF	05/05/93											
EFF	06/01/93	< 0.20	< 1.00	< 1.50		< 0.50	< 1.00	< 0.30	< 0.20	< 0.30	< 0.50	< 0.20
EFF	06/01/93	< 0.20	< 1.00	< 1.50		< 0.50	< 1.00	< 0.30	< 0.20	< 0.30	< 0.50	< 0.20
EFF	07/06/93											
EFF	08/03/93											
EFF	09/16/93	< 0.20	< 1.00	< 1.50		10.00	< 1.00	< 0.30	< 0.20	0.50	< 0.50	< 0.20
EFF	09/16/93	< 0.20	< 1.00	< 1.50		9.20	< 1.00	< 0.30	< 0.20	< 0.30	< 0.50	< 0.20
EFF	10/05/93											
EFF	11/02/93											
EFF	12/07/93	< 0.20	< 1.00	< 1.50	< 0.40	< 0.50	< 1.00	< 0.30	< 0.20	< 0.30	< 0.50	< 0.20
EFF	01/04/94											
EFF	02/01/94											
EFF	03/01/94	< 0.20	< 1.00	< 1.50	< 0.40	< 0.50	< 1.00	< 0.30	< 0.20	< 0.30	< 0.50	< 0.20
EFF	03/01/94	< 0.20	< 1.00	< 1.50	< 0.40	< 0.50	< 1.00	< 0.30	< 0.20	< 0.30	< 0.50	< 0.20
EFF	04/05/94											
EFF	05/03/94											
EFF	06/07/94	< 0.20	< 1.00	< 1.50	< 0.40	< 0.50	< 1.00	< 0.30	< 0.20	< 0.30	< 0.50	< 0.20

TABLE IV-9

TREATMENT BUILDING CONCENTRATIONS FOR SITE K
BUILDING 103, TCAAP
Concentration Units: ug/L

Well	*Date*	*12DCLP*	*112TCE*	*C2H3CL*	*CCL3F*	*C12DCE*	*CH2CL2*	*11DCE*	*11DCLE*	*T12DCE*	*CHCL3*	*12DCLE*
EFF	06/07/94	< 0.20	< 1.00	< 1.50	< 0.40	< 0.50	< 1.00	< 0.30	< 0.20	< 0.30	< 0.50	< 0.20
EFF	07/05/94											
EFF	08/02/94											
EFF	09/06/94	< 0.20	< 1.00	< 1.50	< 0.40	< 0.50	< 1.00	< 0.30	< 0.20	< 0.30	< 0.50	< 0.20
EFF	09/06/94	< 0.20	< 1.00	< 1.50	< 0.40	< 0.50	< 1.00	< 0.30	< 0.20	< 0.30	< 0.50	< 0.20
EFF	10/04/94											
EFF	11/01/94											
EFF	12/06/94	< 0.20	< 1.00	< 1.50	< 0.40	2.20	< 1.00	< 0.30	< 0.20	< 0.30	< 0.50	< 0.20
EFF	12/06/94	< 0.20	< 1.00	< 1.50	< 0.40	2.20	< 1.00	< 0.30	< 0.20	< 0.30	< 0.50	< 0.20
EFF	01/03/95											
EFF	02/07/95											
EFF	03/07/95	< 0.20	< 1.00	< 1.50	< 0.40	< 0.50	< 1.00	< 0.30	< 0.20	< 0.30	< 0.50	< 0.20
EFF	03/07/95	< 0.20	< 1.00	< 1.50	< 0.40	< 0.50	< 1.00	< 0.30	< 0.20	< 0.30	< 0.50	< 0.20
EFF	04/04/95											
EFF	05/02/95											
EFF	06/06/95	< 0.20	< 1.00	< 1.50	< 0.40	< 0.50	< 1.00	< 0.30	< 0.20	< 0.30	< 0.50	< 0.20
EFF	06/06/95	< 0.20	< 1.00	< 1.50	< 0.40	< 0.50	< 1.00	< 0.30	< 0.20	< 0.30	< 0.50	< 0.20
EFF	07/06/95											
EFF	08/01/95											
EFF	09/05/95	< 0.20	< 1.00	< 1.50	< 0.40	< 0.50	< 1.00	< 0.30	< 0.20	< 0.30	< 0.50	< 0.20
EFF	09/05/95	< 0.20	< 1.00	< 1.50	< 0.40	< 0.50	< 1.00	< 0.30	< 0.20	< 0.30	< 0.50	< 0.20
EFF	12/07/93	< 0.20	< 1.00	< 1.50	< 0.40	< 0.50	< 1.00	< 0.30	< 0.20	< 0.30	< 0.50	< 0.20

Notes:

* A value detrmined by method of standard addition.

** Matrix interferences. Reported result should be considered an estimated value.

TABLE IV-9

TREATMENT BUILDING CONCENTRATIONS FOR SITE K
BUILDING 103, TCAAP

Concentration Units: ug/L

Well	Date	111TCE	CCL4	TRCLE	TCLEE	TPO4	O-PO4	CHROMIUM	COPPER	LEAD	ZINC
INF	12/01/92	< 5.00	< 3.00	560.00	< 10.00						
INF	06/07/94	< 10.00	< 6.00	390.00							
INF	09/06/94	< 10.00	< 6.00	340.00	< 20.00						
INF	03/02/93	< 1.00	< 0.60	110.00	< 2.00						
INF	06/01/93	< 5.00	< 3.00	420.00	< 10.00						
INF	09/16/93	< 5.00	< 3.00	390.00	< 10.00						
INF	12/07/93	< 5.00	< 3.00	590.00	< 10.00						
INF	03/01/94	< 0.50	< 0.30	240.00	< 1.00						
INF	12/06/94	< 5.00	< 3.00	370.00	< 10.00	86.00	60.00	< 15.00	< 20.00	< 1.26	< 13.00
INF	03/07/95	< 0.50	0.60	240.00	< 1.00						
INF	06/06/95	< 5.00	< 3.00	260.00	< 10.00						
INF	09/05/95	1.10	< 3.00	490.00	< 10.00						
EFF	10/02/92					42.90	23.60				
EFF	11/03/92					84.30	21.50				
EFF	12/01/92	< 0.50	< 0.30	< 0.50	< 1.00	52.90	56.20	< 15.00	< 20.00	< 1.26	< 13.00
EFF	12/01/92	< 0.50	< 0.30	< 0.50	< 1.00						
EFF	01/05/93					15.30	26.10				
EFF	02/02/93					331.00	51.70				
EFF	03/02/93	< 1.00	< 1.30	< 0.50	< 1.00	280.00	58.90	< 15.00	< 20.00	0.74	30.00
EFF	04/07/93					50.00	40.00				
EFF	05/05/93					730.00	< 10.30				
EFF	06/01/93	< 0.50	< 0.30	< 0.50	< 1.00	53.10	27.30	< 15.00	< 20.00	< 1.26	15.00
EFF	06/01/93	< 0.50	< 0.30	0.60	< 1.00						
EFF	07/06/93					39.80	13.50				
EFF	08/03/93					23.80	49.50				
EFF	09/16/93	< 0.50	< 0.30	34.00	< 1.00	75.30	23.90	< 15.00	< 20.00	< 1.26	< 13.00
EFF	09/16/93	< 0.50	< 0.30	32.00	< 1.00						
EFF	10/05/93					53.70	19.40				
EFF	11/02/93					66.60	28.00				
EFF	12/07/93	< 0.50	< 0.30	7.00	< 1.00	150.00	21.50	< 15.00	< 20.00	< 1.26	17.00
EFF	01/04/94					63.20	30.30				
EFF	02/01/94					130.00	95.00				
EFF	03/01/94	< 0.50	< 0.30	2.90	< 1.00	74.90	35.50	< 15.00	< 20.00	< 1.26	32.00
EFF	03/01/94	< 0.50	< 0.30	1.60	< 1.00						
EFF	04/05/94					92.80	31.20				
EFF	05/03/94					34.30	< 10.30				
EFF	06/07/94	< 0.50	< 0.30	0.60		77.80	32.60	< 15.00	< 20.00	< 4.00	16.00

TABLE IV-9

TREATMENT BUILDING CONCENTRATIONS FOR SITE K
BUILDING 103, TCAAP

Concentration Units: ug/L

Well	*Date*	*111TCE*	*CCL4*	*TRCLE*	*TCLEE*	*TPO4*	*O-PO4*	*CHROMIUM*	*COPPER*	*LEAD*	*ZINC*
EFF	06/07/94	< 0.50	< 0.30	0.50							
EFF	07/05/94					71.70	23.30				
EFF	08/02/94					35.10	15.60				
EFF	09/06/94	< 0.50	< 0.30	< 0.50	< 1.00	80.70	23.60	< 15.00	< 20.00	< 2.00	< 13.00
EFF	09/06/94	< 0.50	< 0.30	< 0.50	< 1.00						
EFF	10/04/94					50.00 **	75.10				
EFF	11/01/94					71.30	89.70				
EFF	12/06/94	< 0.50	< 0.30	3.00	< 1.00						
EFF	12/06/94	< 0.50	< 0.30	2.90	< 1.00						
EFF	01/03/95					95.00	90.10				
EFF	02/07/95					160.00	not reported				
EFF	03/07/95	< 0.50	< 0.30	< 0.50	< 1.00	99.00	66.00	< 15.00	< 20.00	< 3.00	< 13.00
EFF	03/07/95	< 0.50	< 0.30	< 0.50	< 1.00						
EFF	04/04/95					190.00	130.00				
EFF	05/02/95					150.00	38.60				
EFF	06/06/95	< 0.50	< 0.30	< 0.50	< 1.00						
EFF	06/06/95	< 0.50	< 0.30	< 0.50	< 1.00	37.70	19.90	< 15.00	< 20.00	< 1.26 *	< 13.00
EFF	07/06/95					220.00	57.70				
EFF	08/01/95					132.00	27.20				
EFF	09/05/95	< 0.50	< 0.30	< 0.50	< 1.00						
EFF	09/05/95	< 0.50	< 0.30	< 0.50	< 1.00	< 50.00	59.90	< 15.00	< 20.00	< 2.00	< 13.00
EFF	12/07/93	< 0.50	< 0.30	1.10	< 1.00						

Notes:

* A value detrmined by method of standard addition.

** Matrix interferences. Reported result should be considered an estimated value.

Table IV-10

FY 1995 Annual Results for Site K
Effluent Priority Pollutants
Building 103, TCAAP

TABLE IV-10

FY 1995 ANNUAL RESULTS FOR SITE K EFFLUENT PRIORITY POLLUTANTS BUILDING 103, TCAAP (3/7/95)

	Compound	*Concentration (µg/L)*
Metals	Chromium	< 15.0
	Copper	< 20.0
	Lead	< 3.0
	Zinc	< 13.0
Other Metals	Mercury	< 0.74
	o-PO4	66.0
	PO4	99.0
Volatiles	Trichloroethylene	< 0.5
	1,1,1-Trichloroethane	< 0.5
	1,1-Dichloroethylene	< 0.3
	cis-1,2-Dichloroethylene	< 0.5
	trans-1,2-Dichloroethylene	< 0.3
	1,1-Dichloroethane	< 0.2
	Chloroform	< 0.5
	1,2-Dichloropropane	< 0.2
	1,2-Dichloroethane	< 0.2
	1,1,2-Trichloroethane	< 1.0
	1,1,2,2-Tetrachloroethylene	< 1.0
	Vinyl chloride	< 1.5
	1,1,2-Trichlorotrifluoroethane	< 0.4
	Carbon tetrachloride	< 0.3
	Methylene chloride	< 1.0

Notes:

The allowable concentration of VOC's contained the effluent are specified in the August 13, 1986 NPDES permit section entitled "Removal Efficiency of the Air Stripping Column" which states: "The treatment system shall achieve an initial removal efficiency of 98 percent as a quarterly average, 95 percent daily minimum based on the ratio of total VOCs removed from the effluent versus the concentration of total VOCs in the influent. As influent VOC concentrations decrease, the removal efficiency may decrease. In this event, the Permittee shall demonstrate that optimun efficiency is being achieved for the level of influent being treated."

Table IV-11

Groundwater Capture and Treatment Requirements
TGRS, TCAAP

TABLE IV-11

GROUNDWATER CAPTURE AND TREATMENT REQUIREMENTS
TGRS, TCAAP

Substance	*Contaminant Specific Requirements (a) (ppb)*	*Acceptable Risk Level (b) 10^{-6} (ppb)*	*Expected Level in Discharge (ppb)*
Volatile Organic Compounds (VOCs)			
Benzene	5 (MCL)	0.67	ND
Toluene	2,000 (MCLGP)	–	ND
cis-1,2-Dichloroethene plus trans-1,2-Dichloroethene	70 (MCLGP)	–	<1
1,1-Dichloroethene	7 (MCL)	0.033	<1
1,1,1-Trichloroethane	200 (MCL)	22	<1
1,1,2-Trichloroethane	6.1 (RAL)	0.6	<1
1,2-Dichloroethane	5 (MCL)	0.38	–
1,1,2-Trichloroethene	5 (MCL)	2.8	<5
1,2-Dichloropropane	6 (MCLGP)	0.56	–
1,1,2,2-Tetrachloroethane	6.9 (RAL)	0.7	–
Carbon Tetrachloride	5 (MCL)	0.3	–
1,1,2-Trichlorotrifluoroethane	– (GA)	–	–
Chloroform	5 (RAL)	0.19	<1
Vinyl Chloride	2 (MCL)	0.015	<2
Xylene	440 (MCLGP)	–	ND
1,1-Dichloroethane	– (GA)	–	–
Metals			
Arsenic	50 (MCL)	0.25	NA
Barium	1,000 (MCL)	1,000 (MCL)	NA
Cyanide	200 (MCL)	200 (WQC)	NA
Cadmium	5 (MCLP)	10 (WQC)	NA
Lead	20 (MCLGP)	0.031	NA
Nickel	150 (HA)	15.4 (WQC)	NA
Mercury	2 (MCL)	2.0 (MCL)	NA

Notes:

(a) Applicable to all phases, capture and discharge

(b) Receptor based criteria for Phase 2. Laboratory detection limits may be substituted for criteria levels with USEPA approval. Values are based on 10-6 risk level for carcinogens and for non-carcinogens with stricter limit determined by MCL, AIC or Water Quality criteria adjusted for ingestion of drinking water only

MCL - Maximum Contaminant Level

MCLP - Maximum Contaminant Level Proposed

MCLG - Maximum Contaminant Level Goal

MCLGP - Maximum Contaminant Level Goal Proposed

HA - Lifetime Health Advisory

RAL - Recommended Allowable Level - State of Minnesota

SMCL - Secondary Maximum Contaminant Level

ND - None Detectable

NA - Not significantly affected by remedy - not expected to be migrating from sources and will remain at background levels

CAA - Clean Air Act

AIC - Chronic Acceptable Intake

WQC - Water Quality Criteria - adapted for ingestion of drinking water only - concentrations represent 1 x 10-6 risk levels

GA - Group Action Criteria of 10 ppb adopted

ATSOR - Agency for Toxic Substances and Disease Registry recommended action level for BGRS

Table IV-12

Summary of Pumping Test Results
BGRS, TCAAP

TABLE IV-12

SUMMARY OF PUMPING TEST RESULTS
BGRS, TCAAP

Well	*Transmissivities* (ft^2 */day)*
B1	27,254
B2	38,417
B3	26,920
B4	26,226
B5	34,273
B6	30,300

Table IV-13

FY 1995 Extraction Well
Practical Operating Pumping Rates
TGRS, TCAAP

TABLE IV-13

FY 1995 EXTRACTION WELL PRACTICAL OPERATING PUMPING RATES TGRS, TCAAP

Well Name	*Rate (gpm)*	*Well Name*	*Rate (gpm)*
B1	235	B10	250
B2	150	B11	100
B3	215	B12	190
B4	200	SC1	40
B5	200	SC2	45
B6	275	SC3	100
B7	300	SC4	45
B8	125	SC5	100
B9	150		
		TOTAL	2,720

Table IV-14

Extraction Well Shut Down Sequence
TGRS, TCAAP

TABLE IV-14

EXTRACTION WELL
SHUT DOWN SEQUENCE
TGRS, TCAAP

1st	B12
2nd	B7
3rd	B3, B11 and SC1
4th	B10 and SC4
5th	B8 and B2
6th	B9 and SC3
7th	B1 and B4
8th	B6 and B5
9th	SC2 and SC5

Note:
The SC1 well and associated treatment system is controlled by a run permissive switch. The switch is controlled by the TGRS PLC. When the PLC orders B11 to operate, SC1 is given permission to run. When the PLC orders B11 to shut down, permission is withdrawn for SC1 to operate. SC1 shuts down.

Table IV-15

Fiscal Year 1995 Extraction Well Water Pumped
TGRS, TCAAP

TABLE IV-15

FISCAL YEAR 1995 EXTRACTION WELL WATER PUMPED
TGRS, TCAAP

	Volume of Water Pumped (Gallons)																	
	B1	*B2*	*B3*	*B4*	*B5*	*B6*	*B7*	*B8*	*B9*	*B10*	*B11*	*B12*	*SC1*	*SC2*	*SC3*	*SC4*	*SC5*	*TOTAL*
October	10,572,800	6,364,700	9,661,500	7,985,500	8,779,200	12,874,400	13,175,500	5,990,700	6,504,600	10,314,800	4,478,700	8,880,900	1,419,550	1,064,400	4,264,500	1,485,000	4,322,800	116,720,000
November	10,008,700	5,826,600	9,287,800	8,796,500	8,576,100	12,312,200	12,494,500	5,728,400	6,250,700	9,502,700	4,773,400	8,423,900	1,604,190 *	1,762,400	3,991,600	2,149,200	4,006,900	113,891,600
December	10,248,000	5,653,000	9,517,500	9,080,400	8,607,000	12,405,000	12,729,700	5,856,500	6,430,000	10,411,100	4,963,800	8,964,600	1,621,460 *	2,275,700	4,184,400	2,103,300	4,228,100	117,658,100
January	10,231,300	5,786,800	9,688,600	9,300,500	8,431,500	12,295,200	12,605,500	5,896,100	6,494,700	11,169,500	4,753,800	9,250,300	1,552,000 *	2,420,500	4,270,700	2,139,200	4,820,800	119,555,000
February	9,068,100	5,888,100	8,833,200	8,093,500	7,234,900	10,929,400	11,271,500	5,308,500	5,717,400	10,056,800	4,251,100	8,075,400	1,442,166 *	2,006,900	3,875,900	2,067,100	4,347,900	107,025,700
March	10,030,400	6,453,600	10,170,100	9,397,500	8,523,500	12,124,800	12,638,600	5,888,200	6,502,400	11,683,700	4,777,100	9,902,300	1,468,970	1,757,300	4,292,400	2,159,200	4,768,900	121,070,000
April	9,226,800	5,849,500	8,935,300	8,834,500	8,185,800	11,713,800	11,925,100	5,558,700	6,139,400	10,813,600	4,321,400	9,188,700	1,233,450	1,961,500	4,155,300	1,896,500	4,583,000	113,288,900
May	9,947,400	5,787,300	10,123,600	8,811,600	8,656,600	11,635,500	12,532,300	5,808,600	6,359,500	11,122,200	4,210,200	8,417,200	1,508,820	1,270,900	3,798,600	1,774,000	4,464,700	114,720,200
June	9,254,100	5,204,400	9,445,000	8,091,400	8,249,300	10,764,100	11,329,900	5,335,900	5,880,800	10,417,600	3,838,600	7,102,500	1,167,410	2,026,700	3,222,600	1,737,600	3,664,700	105,565,200
July	10,365,700	5,861,700	9,446,200	9,138,800	9,330,400	11,766,400	12,334,800	5,738,700	6,440,400	11,132,200	4,544,200	7,074,900	1,262,120	1,916,800	3,610,000	2,199,200	4,073,700	114,974,100
August	9,308,800	5,223,500	9,811,400	8,093,400	8,613,600	10,970,000	12,253,400	5,399,900	5,974,100	11,182,300	4,171,400	7,445,200	1,106,130	2,685,800	3,740,000	2,106,600	4,046,600	111,026,000
September	9,687,600	5,008,900	10,438,500	8,563,900	9,120,400	11,558,100	12,498,100	5,673,200	6,323,600	10,995,700	4,289,000	7,698,500	1,186,230	2,024,900	3,770,100	2,220,900	3,995,300	113,866,700
TOTAL	117,949,700	68,908,100	115,358,700	104,187,500	102,308,300	141,348,900	147,788,900	68,183,400	75,017,600	128,802,200	53,372,700	100,424,400	16,572,496	23,173,800	47,176,100	24,037,800	51,323,400	1,369,361,500

Notes:
* Flowmeter problems caused the volume extracted to be estimated

TABLE IV-15

FISCAL YEAR 1995 EXTRACTION WELL WATER PUMPED
TGR5, TCAAP

	Volume of Water Pumped (Gallons)																	
	B1	*B2*	*B3*	*B4*	*B5*	*B6*	*B7*	*B8*	*B9*	*B10*	*B11*	*B12*	*SC1*	*SC2*	*SC3*	*SC4*	*SC5*	*TOTAL*
1989	67,563,900	69,364,850	72,257,490	75,237,700	76,328,500	100,611,510	138,278,100	42,329,200	60,613,300	54,516,600	93,534,437	60,210,340	13,867,660	20,078,880	36,660,309	12,593,300	39,307,600	1,033,353,676
1990	70,722,300	69,450,060	73,633,450	80,511,000	71,897,000	105,220,300	117,609,400	40,747,900	59,883,400	95,227,900	40,939,800	63,867,460	11,281,750	19,278,830	35,609,300	15,260,500	37,275,400	1,008,415,750
1991	99,482,900	102,399,960	98,521,050	104,674,800	105,191,900	137,181,500	153,080,700	63,386,100	77,083,200	130,044,100	54,094,000	95,329,240	17,111,600	23,724,440	46,611,600	20,228,000	54,182,500	1,382,327,590
1992	103,612,700	105,175,800	104,103,100	105,741,800	106,869,400	140,681,700	155,934,000	61,053,000	78,498,200	129,041,800	52,635,900	93,170,000	17,472,600	21,165,900	50,254,500	22,045,100	53,891,100	1,401,346,600
1993	104,610,228	97,362,300	102,039,200	102,785,395	105,885,800	140,275,000	153,555,300	60,334,400	78,395,400	129,093,800	49,765,700	90,094,600	16,887,368	24,623,700	51,413,200	25,104,180	55,980,600	1,388,206,172
1994	99,994,100	75,083,100	98,156,900	91,607,800	93,671,400	126,439,100	140,213,900	63,403,400	71,130,200	115,719,700	48,857,400	87,868,300	17,351,750	19,244,100	45,125,400	20,715,000	46,698,300	1,245,663,275
1995	117,949,700	68,908,100	115,358,700	104,187,500	102,308,300	141,348,900	147,788,900	68,183,400	75,017,600	128,802,200	53,372,700	100,424,400	16,572,496	23,173,800	47,176,100	24,037,800	51,323,400	1,369,361,500

Table IV-16

Fiscal Year 1995 Treatment Center Water Meter Totals
TGRS, TCAAP

TABLE IV-16

FISCAL YEAR 1995 TREATMENT CENTER WATER METER TOTALS
TGRS, TCAAP

Volume of Water Pumped (Gallons)										
	Extraction Wells	*Meter No. 1*	*Meter No. 2*	*Total M1 & M2*	*Meter No. 3*	*Meter No. 4*	*Total M3 & M4*	*Meter No. 5*	*Meter No. 6*	*Total M5 & M6*
October	116,720,000	63,782,000	58463000	122,245,000	45,872,000	66,657,000	112,529,000	67,182,000	16,456,000	83,638,000
November	113,891,600	61,705,000	58,074,000	119,779,000	44,635,000	65,024,000	109,659,000	65,859,000	6,000	65,865,000
December	117,658,100	63,772,000	62,724,000	126,496,000	40,444,000	71,910,000	112,354,000	68,253,000	0	68,253,000
January	119,555,000	64,436,000	64,999,000	129,435,000	42,902,000	71,084,000	113,986,000	70,044,000	0	70,044,000
February	107,025,700	26,971,000	26,300,000	53,271,000	16,929,000	29,965,000	46,894,000	28,973,000	1,000	28,974,000
March	121,070,000	65,308,000	64,989,000	130,297,000	47,640,000	67,916,000	115,556,000	71,745,000	0	71,745,000
April	113,288,900	61,482,000	59,756,000	121,238,000	44,294,000	63,279,000	107,573,000	45,477,000	3,826,000	49,303,000
May	114,720,200	62,764,000	59,738,000	122,502,000	42,498,000	67,090,000	109,588,000	30,406,000	53,660,000	84,066,000
June	105,565,200	56,093,000	54,348,000	110,441,000	39,419,000	60,963,000	100,382,000	47,677,000	48,686,000	96,363,000
July	114,974,100	61,550,000	59,377,000	120,927,000	43,078,000	66,481,000	109,559,000	0	51,194,000	51,194,000
August	111,026,000	58,271,000	57,012,000	115,283,000	43,117,000	48,065,000	91,182,000	0	49,214,000	49,214,000
September	113,866,700	59,980,000	58,202,000	118,182,000	49,447,000	61,310,000	110,757,000	0	51,464,000	51,464,000
TOTAL	1,369,361,500	706,114,000	683,982,000	1,390,096,000	500,275,000	739,744,000	1,240,019,000	495,616,000	274,507,000	770,123,000

TABLE IV-16

FISCAL YEAR 1995 TREATMENT CENTER WATER METER TOTALS
TGRS, TCAAP

Volume of Water Pumped (Gallons)										
	Extraction Wells	*Meter No. 1*	*Meter No. 2*	*Total M1 & M2*	*Meter No. 3*	*Meter No. 4*	*Total M3 & M4*	*Meter No. 5*	*Meter No. 6*	*Total M5 & M6*
1989	1,033,353,676	501,826,000	560,836,000	1,062,662,000	383,736,000	587,596,000	971,332,000	493,681,000	582,955,000	1,076,636,000
1990	1,008,415,750	493,915,000	526,417,000	1,020,332,000	371,391,000	588,642,000	960,033,000	487,946,000	543,726,000	1,031,672,000
1991	1,382,327,590	666,166,000	708,313,000	1,374,479,000	523,702,000	789,947,000	1,313,649,000	601,307,000	649,621,000	1,250,928,000
1992	1,401,346,600	68,289,000	724,328,000	1,407,227,000	557,169,000	772,509,000	1,329,678,000	767,707,000	677,735,000	1,445,442,000
1993	1,388,206,172	666,814,000	725,341,000	1,392,155,000	504,027,000	651,149,000	1,155,176,000	729,078,000	762,791,000	1,491,869,000
1994	1,245,663,275	660,700,000	659,953,000	1,320,653,000	457,210,000	715,668,000	1,172,878,000	653,913,000	550,131,000	1,204,044,000
1995	1,369,361,500	706,114,000	683,982,000	1,390,096,000	500,275,000	739,744,000	1,240,019,000	495,616,000	274,507,000	770,123,000

Table IV-17

Down Time Days
TGRS, TCAAP

TABLE IV-17

DOWN TIME DAYS
TGRS, TCAAP

Well Name	*1995 Days Down*	*1994 Days Down**	*1993 Days Down*	*1992 Days Down*	*1991 Days Down*	*1990 Days Down*	*Well Name*	*1995 Days Down*	*1994 Days Down**	*1993 Days Down*	*1992 Days Down*	*1991 Days Down*	*1990 Days Down*
B1	5.4	27		6	9	7	B10	2.5	27	5	5	7	4
B2	4.8	35	8	7	8	8	B11	2.6	29	6	7	8	6
B3	6.7	28	6	6	20	5	B12	3.1	30	10	5	7	4
B4	6.6	27	6	7	8	4	SC1	0.2	29	9	6	11	
B5	3.8	27	7	7	10	4	SC2	1.8	31	7	8	7	5
B6	3.2	30	7	6	8	4	SC3	0.5	28	5	7	7	4
B7	2	28	6	5	7	4	SC4	0.9	27	6	7	7	4
B8	2.8	27	5	5	8	5	SC5	0.5	29	6	7	7	4
B9	3.4	27	5	5	8	8							

Notes:

* The down time for days for 1994 includes 26.7 days downtime for maintenance painting of the TGRS.

Table IV-18

FY 1995 Down Time Days By Category
TGRS, TCAAP

TABLE IV-18

FY 1994 DOWN TIME DAYS
BY CATEGORY
TGRS, TCAAP

Problem	*Down Time Days*	*%*	*Affected Wells/System*
System Modifications	0.1	0.5	Treatment Center
System Modifications	1.3	5.6	Pumphouses
Trouble Shooting/Repairs	5.5	23.3	Treatment Center
Trouble Shooting/Repairs	15.9	66.7	Pumphouses
Preventive Maintenance	0.2	0.9	Entire System
TCAAP Power System Failu	0.7	3.0	Pumphouses
Maintenance Painting	0	0.0	Entire System Down
TOTAL DAYS DOWN	23.8	100.0	

Anticipated Down Time 1996

Preventive Maintenance	0.1	Wells
Preventive Maintenance	0.1	Treatment Center
Preventive Maintenance	0.1	Forcemain
TCAAP Electrical System Fa	1.5	Entire System
Trouble Shooting/Repairs	1	Wells
Trouble Shooting/Repairs	3	Treatment Center
System Modifications	2	Treatment Center, Wells and Foremain

Table IV-19

VOC Mass Loading Summary
TGRS, TCAAP

TABLE IV-19

VOC MASS LOADING SUMMARY
TGRS, TCAAP

Well	*% Contribution to VOC Mass Removal*	*FY 1995 Total Pounds VOC Mass Removed*
B1	3.0	401
B2	0.8	107
B3	0.4	53
B4	19.4	2,591
B5	29.9	3,993
B6	8.3	1,108
B7	0.03	4
B8	0.30	40
B9	2.1	280
B10	0.1	13
B11	0.03	4
B12	0.02	3
SC1	1.2	160
SC2	1.4	187
SC3	0.2	26
SC4	0.04	5
SC5	32.8	4,380
	FY 1995 Total	13,355
	Daily Average	36.6 lbs/day

Fiscal Year		*Pounds VOC Mass Removed*
1995		13,355
1994		15,070
1993		20,165
1992		24,527
1991		26,760
1990		18,005
1989	(First year full scale system)	19,510
1988		4,800
1987		2,100
Total		144,292

Table IV-20

FY 1993 - FY 1995
VOC Concentrations in Extraction Wells
TGRS, TCAAP

TABLE IV-20

FY1993 - FY1995 VOC CONCENTRATIONS IN EXTRACTION WELLS
TGRS, TCAAP

Concentration: ug/L

Well	*Date*	*111TCE*	*112TCE*	*11DCE*	*11DCLE*	*12DCE*	*12DCLE*	*C2H3CL*	*CHCL3*	*T12DCE*	*TCLEE*	*TRCLE*
03F302 (B1)	03/03/93	45.000	< 20.000	< 20.000	< 16.000	28.000	< 10.000	< 38.000	< 14.000	< 6.000 R	< 20.000	840.000
03F302 (B1)	09/15/93	35.000	< 10.000	< 10.000	9.400	26.000	< 5.000	< 19.000	< 7.200	< 3.000 R	< 10.000	860.000
03F302 (B1)	03/03/94	< 20.000	< 20.000	< 20.000	< 16.000	< 10.000	< 10.000	< 38.000	< 14.000	ND T	< 20.000	430.000
03F302 (B1)	09/07/94	16.000	< 10.000	< 10.000	5.800 1	16.000	< 5.000	< 19.000	< 7.200	ND T	< 10.000	520.000
03F302 (B1)	03/14/95	15.000	< 10.000	< 10.000	< 7.800	13.000	< 5.000	< 19.000	< 7.200	ND T	< 10.000	400.000
03F302 (B1)	03/14/95	15.000 D	< 10.000 D	< 10.000 D	4.100 1D	14.000 D	< 5.000 D	< 19.000 D	< 7.200 D	ND TD	< 10.000 D	390.000 D
03F302 (B1)	09/11/95	19.000 1?	< 20.000 ?	< 20.000 ?	< 16.000 ?	8.900 1?	< 10.000 ?	< 38.000 ?	< 14.000 ?	ND T?	< 20.000 ?	360.000 ?
03F302 (B1)	09/11/95	17.000 1D?	< 20.000 D?	< 20.000 D?	< 16.000 D?	8.900 1D?	< 10.000 D?	< 38.000 D?	< 14.000 D?	ND TD?	< 20.000 D?	360.000 D?
03F303 (B2)	03/03/93	21.000	< 5.000	5.900	< 3.900	10.000	< 2.500	< 9.500	< 3.600	< 1.500 R	6.100	340.000
03F303 (B2)	09/15/93	33.000	< 5.000	< 5.000	< 3.900	7.600	< 2.500	< 9.500	< 3.600	< 1.500 R	6.100	350.000
03F303 (B2)	09/15/93	41.000 D	< 10.000 D	< 10.000 D	< 7.800 D	9.800 D	< 5.000 D	< 19.000 D	< 7.200 D	< 3.000 RD	< 10.000 D	390.000 D
03F303 (B2)	03/03/94	48.000	< 10.000	< 10.000	< 7.800	< 5.000	< 5.000	< 19.000	< 7.200	ND T	< 10.000	250.000
03F303 (B2)	09/07/94	41.000	2.500	9.300	4.600	4.600	1.300	< 3.800	0.780 1	ND T	5.100	160.000
03F303 (B2)	09/07/94	41.000 D	2.500 D	8.600 D	4.600 D	4.600 D	1.200 D	< 3.800 D	< 1.400 D	ND DT	4.900 D	180.000 D
03F303 (B2)	03/14/95	33.000	< 5.000	8.600	5.200	3.500	< 2.500	< 9.500	< 3.600	ND T	3.800 1	120.000
03F303 (B2)	09/11/95	36.000 ?	< 5.000 ?	8.100 ?	4.500 ?	3.200 ?	< 2.500 ?	< 9.500 ?	< 3.600 ?	ND T?	5.000 1?	140.000 ?
03F304 (B3)	03/03/93	25.800	1.270	3.500	1.870	< 0.500	< 0.500	< 1.900	< 0.720	< 0.300 R	< 1.000	7.480
03F304 (B3)	03/03/93	28.400 D	1.300 D	3.430 D	1.940 D	< 0.500 D	< 0.500 D	< 1.900 D	< 0.720 D	< 0.300 RD	< 1.000 D	8.840 D
03F304 (B3)	09/15/93	40.100	1.190	4.780	2.510	< 0.500	< 0.500	< 1.900	< 0.720	< 0.300 R	< 1.000	12.100
03F304 (B3)	03/03/94	39.200	< 1.000	5.470	2.740	< 0.500	0.715	< 1.900	< 0.720	ND T	< 1.000	17.600
03F304 (B3)	09/07/94	38.200	1.050	8.940	3.980	0.466 1	0.965	< 1.900	< 0.720	ND T	< 1.000	31.500
03F304 (B3)	03/14/95	17.900	0.641 1	4.920	3.760	0.417 1	< 0.500	< 1.900	< 0.720	ND T	< 1.000	19.500
03F304 (B3)	09/11/95	19.300 ?	< 1.000 ?	6.280 ?	4.060 ?	0.571 ?	< 0.500 ?	< 1.900 ?	< 0.720 ?	ND T?	< 1.000 ?	27.400 ?
03F305 (B4)	03/03/93	1100.000	< 50.000	140.000	170.000	65.000	< 25.000	< 95.000	< 36.000	< 15.000 R	< 50.000	2600.000
03F305 (B4)	09/15/93	940.000	< 100.000	140.000	150.000	58.000	< 50.000	< 190.000	< 72.000	< 30.000 R	< 100.000	2700.000
03F305 (B4)	03/03/94	910.000	< 100.000	< 100.000	130.000	< 50.000	< 50.000	< 190.000	< 72.000	ND T	< 100.000	2800.000
03F305 (B4)	09/07/94	820.000	< 50.000	160.000	160.000	65.000	< 25.000	< 95.000	< 36.000	ND T	< 50.000	2600.000
03F305 (B4)	03/14/95	620.000	< 50.000	130.000	150.000	< 25.000	< 25.000	< 95.000	< 36.000	ND T	< 50.000	1900.000
03F305 (B4)	09/11/95	590.000 ?	< 100.000 ?	110.000 1?	120.000 ?	62.000 ?	< 50.000 ?	< 190.000 ?	< 72.000 ?	ND T?	< 100.000 ?	2300.000 ?
03F306 (B5)	03/03/93	1800.000	< 100.000	170.000	95.000	< 50.000	< 50.000	< 190.000	< 72.000	< 30.000 R	< 100.000	7300.000
03F306 (B5)	09/15/93	1400.000	< 100.000	130.000	< 78.000	< 50.000	< 50.000	< 190.000	< 72.000	< 30.000 R	< 100.000	7500.000
03F306 (B5)	03/03/94	1100.000	< 200.000	< 200.000	< 160.000	< 100.000	< 100.000	< 380.000	< 140.000	ND T	< 200.000	4900.000
03F306 (B5)	03/03/94	1200.000 D	< 200.000 D	< 200.000 D	< 160.000 D	< 100.000 D	< 100.000 D	< 380.000 D	< 140.000 D	ND DT	< 200.000 D	5600.000 D

TABLE IV-20

FY1993 - FY1995 VOC CONCENTRATIONS IN EXTRACTION WELLS
TGRS, TCAAP

Concentration: ug/L

Well	*Date*	*111TCE*	*112TCE*	*11DCE*	*11DCLE*	*12DCE*	*12DCLE*	*C2H3CL*	*CHCL3*	*T12DCE*	*TCLEE*	*TRCLE*
03F306 (B5)	09/07/94	820.000	< 100.000	140.000	71.000	< 50.000	< 50.000	< 190.000	< 72.000	ND T	< 100.000	4900.000
03F306 (B5)	03/14/95	670.000	< 100.000	130.000	57.000 1	< 50.000	< 50.000	< 190.000	< 72.000	ND T	< 100.000	3400.000
03F306 (B5)	09/11/95	620.000 ?	< 50.000 ?	110.000 ?	63.000 ?	< 25.000 ?	< 25.000 ?	< 95.000 ?	< 36.000 ?	ND T?	< 50.000 ?	4300.000 ?
03F307 (B6)	03/03/93	360.000	< 50.000	81.000	84.000	< 25.000	< 25.000	< 95.000	< 36.000	< 15.000 R	< 50.000	2100.000
03F307 (B6)	09/15/94	350.000	< 50.000	< 50.000	53.000	< 25.000	< 25.000	< 95.000	< 36.000	< 15.000 R	< 50.000	2400.000
03F307 (B6)	03/03/94	210.000	< 50.000	< 50.000	< 39.000	< 25.000	< 25.000	< 95.000	< 36.000	ND T	< 50.000	1600.000
03F307 (B6)	09/07/94	120.000	< 20.000	39.000	42.000	7.600 1	< 10.000	< 38.000	< 14.000	ND T	< 20.000	1400.000
03F307 (B6)	03/14/95	93.000	< 20.000	30.000	30.000	< 10.000	< 10.000	< 38.000	< 14.000	ND T	< 20.000	770.000
03F307 (B6)	09/11/95	65.000 ?	< 1.000 ?	23.100 ?	26.700 ?	4.430 ?	0.775 ?	< 1.900 ?	< 0.720 ?	ND T?	1.190 ?	840.000 ?
03F308 (B7)	03/03/93	< 1.000	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500	< 1.900	< 0.720	< 0.300 R	< 1.000	9.730
03F308 (B7)	09/15/93	< 1.000	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500	< 1.900	< 0.720	< 0.300 R	< 1.000	7.780
03F308 (B7)	03/03/94	< 1.000	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500	< 1.900	< 0.720	ND T	< 1.000	5.410
03F308 (B7)	09/07/94	< 1.000	< 1.000	< 1.000	< 0.780	< 0.500	0.948	< 1.900	< 0.720	ND T	< 1.000	5.210
03F308 (B7)	03/14/95	0.585 1	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500	< 1.900	< 0.720	ND T	< 1.000	3.180
03F308 (B7)	09/11/95	< 1.000 ?	< 1.000 ?	< 1.000 ?	< 0.780 ?	< 0.500 ?	< 0.500 ?	< 1.900 ?	< 0.720 ?	ND T?	< 1.000 ?	3.560 ?
PJ#309 (B8)	03/03/93	18.000	< 2.000	4.300	7.400	2.100	< 1.000	< 3.800	< 1.400	< 0.600 R	< 2.000	130.000
PJ#309 (B8)	09/15/93	17.000	< 2.000	3.000	6.300	1.400	< 1.000	< 3.800	< 1.400	< 0.600 R	< 2.000	110.000 X
PJ#309 (B8)	03/03/94	11.200	< 1.000	2.500	4.780	0.841	< 0.500	< 1.900	< 0.720	ND T	< 1.000	92.000
PJ#309 (B8)	09/07/94	8.160	< 1.000	2.630	3.690	0.969	0.864	< 1.900	< 0.720	ND T	< 1.000	73.000
PJ#309 (B8)	03/14/95	7.170	< 1.000	2.090	2.930	0.704	< 0.500	< 1.900	< 0.720	ND T	< 1.000	49.000
PJ#309 (B8)	09/11/95	6.440 ?	< 1.000 ?	1.900 ?	2.470 ?	0.656 ?	< 0.500 ?	< 1.900 ?	< 0.720 ?	ND T?	< 1.000 ?	56.000 ?
PJ#310 (B9)	03/03/93	150.000	< 10.000	26.000	31.000	9.200	< 5.000	< 19.000	< 7.200	< 3.000 R	< 10.000	580.000
PJ#310 (B9)	09/15/93	130.000	< 10.000	21.000	22.000	6.000	< 5.000	< 19.000	< 7.200	< 3.000 R	< 10.000	480.000
PJ#310 (B9)	03/03/94	180.000	< 20.000	< 20.000	< 16.000	< 10.000	< 10.000	< 38.000	< 14.000	ND T	< 20.000	450.000
PJ#310 (B9)	09/07/94	71.000	< 10.000	15.000	15.000	4.200	< 5.000	< 19.000	< 7.200	ND T	< 10.000	380.000
PJ#310 (B9)	03/14/95	77.000	< 10.000	18.000	15.000	3.600 1	< 5.000	< 19.000	< 7.200	ND T	< 10.000	330.000
PJ#310 (B9)	09/11/95	78.000 ?	< 20.000 ?	16.000 1?	< 16.000 ?	< 10.000 ?	< 10.000 ?	< 38.000 ?	< 14.000 ?	ND T?	< 20.000 ?	340.000 ?
PJ#311 (B10)	03/03/93	4.240	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500	< 1.900	< 0.720	< 0.300 R	< 1.000	19.600
PJ#311 (B10)	09/15/93	4.470	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500	< 1.900	< 0.720	< 0.300 R	< 1.000	21.700
PJ#311 (B10)	03/03/94	4.020	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500	< 1.900	< 0.720	ND T	< 1.000	19.200
PJ#311 (B10)	09/07/94	3.050	< 1.000	0.636 1	< 0.780	< 0.500	0.782	< 1.900	< 0.720	ND T	< 1.000	22.600
PJ#311 (B10)	03/14/95	2.290	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500	< 1.900	< 0.720	ND T	< 1.000	13.700

TABLE IV-20

FY1993 - FY1995 VOC CONCENTRATIONS IN EXTRACTION WELLS
TGRS, TCAAP

Concentration: ug/L

Well	*Date*	*111TCE*	*112TCE*	*11DCE*	*11DCLE*	*12DCE*	*12DCLE*	*C2H3CL*	*CHCL3*	*T12DCE*	*TCLEE*	*TRCLE*
PJ#311 (B10)	09/11/95	2.990 ?	< 1.000 ?	< 1.000 ?	< 0.780 ?	< 0.500 ?	< 0.500 ?	< 1.900 ?	< 0.720 ?	ND T?	< 1.000 ?	14.700 ?
03F312 (B11)	03/03/93	< 1.000	< 1.000	< 1.000	1.310	0.820	< 0.500	< 1.900	< 0.720	< 0.300 R	< 1.000	16.700
03F312 (B11)	09/15/93	< 1.000	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500	< 1.900	< 0.720	< 0.300 R	< 1.000	14.900
03F312 (B11)	03/03/94	< 1.000	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500	< 1.900	< 0.720	ND T	< 1.000	16.100
03F312 (B11)	09/07/94	< 1.000	< 1.000	< 1.000	0.585 1	0.363 1	0.855	< 1.900	< 0.720	ND T	< 1.000	13.600
03F312 (B11)	03/14/95	< 1.000	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500	< 1.900	< 0.720	ND T	< 1.000	8.200
03F312 (B11)	09/11/95	< 1.000 ?	< 1.000 ?	< 1.000 ?	< 0.780 ?	< 0.500 ?	< 0.500 ?	< 1.900 ?	< 0.720 ?	ND T?	< 1.000 ?	9.460 ?
PJ#313 (B12)	03/03/93	< 1.000	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500	< 1.900	< 0.720	< 0.300 R	< 1.000	4.950
PJ#313 (B12)	09/15/93	< 1.000	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500	< 1.900	< 0.720	< 0.300 R	< 1.000	4.170
PJ#313 (B12)	03/03/94	< 1.000	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500	< 1.900	< 0.720	ND T	< 1.000	4.470
PJ#313 (B12)	09/07/94	< 1.000	< 1.000	< 1.000	< 0.780	< 0.500	0.908	< 1.900	< 0.720	ND T	< 1.000	3.840
PJ#313 (B12)	03/14/95	0.529 1	< 1.000	< 1.000	< 0.780	< 0.500	< 0.500	< 1.900	< 0.720	ND T	< 1.000	2.510
PJ#313 (B12)	09/11/95	< 1.000 ?	< 1.000 ?	< 1.000 ?	< 0.780 ?	< 0.500 ?	< 0.500 ?	< 1.900 ?	< 0.720 ?	ND T?	< 1.000 ?	2.610 ?
PJ#313 (B12)	09/11/95	< 1.000 D?	< 1.000 D?	< 1.000 D?	< 0.780 D?	< 0.500 D?	< 0.500 D?	< 1.900 D?	< 0.720 D?	ND TD?	< 1.000 D?	2.610 D?
03U301 (SC1)	03/03/93	< 100.000	< 100.000	< 100.000	< 78.000	88.000	< 50.000	< 190.000	< 72.000	< 30.000 R	< 100.000	1500.000
03U301 (SC1)	03/03/93	64.000 D	< 20.000 D	< 20.000 D	< 16.000 D	89.000 D	< 10.000 D	< 38.000 D	< 14.000 D	< 6.000 RD	< 20.000 D	1600.000 D
03U301 (SC1)	09/15/93	72.000	< 50.000	< 50.000	< 39.000	76.000	< 25.000	< 95.000	< 36.000	< 15.000 R	< 50.000	1400.000
03U301 (SC1)	03/03/94	< 50.000	< 50.000	< 50.000	< 39.000	60.000	< 25.000	< 95.000	< 36.000	ND T	< 50.000	1800.000
03U301 (SC1)	03/03/94	< 50.000 D	< 50.000 D	< 50.000 D	< 39.000 D	49.000 D	< 25.000 D	< 95.000 D	< 36.000 D	ND DT	< 50.000 D	1800.000 D
03U301 (SC1)	09/07/94	51.000	< 50.000	< 50.000	< 39.000	100.000	< 25.000	< 95.000	24.000	ND T	< 50.000	1800.000
03U301 (SC1)	03/14/95	26.000	< 25.000	< 25.000	< 20.000	65.000	< 13.000	< 48.000	< 18.000	ND T	< 25.000	780.000
03U301 (SC1)	09/11/95	< 50.000 ?	< 50.000 ?	< 50.000 ?	< 39.000 ?	71.000 ?	< 25.000 ?	< 95.000 ?	< 36.000 ?	ND T?	< 50.000 ?	1300.000 ?
03U314 (SC2)	03/03/93	1200.000	< 50.000	86.000	95.000	54.000	< 25.000	< 95.000	< 36.000	< 15.000 R	< 50.000	2600.000
03U314 (SC2)	09/15/93	670.000	< 50.000	< 50.000	< 39.000	< 25.000	< 25.000	< 95.000	< 36.000	< 15.000 R	< 50.000	1600.000
03U314 (SC2)	09/15/93	670.000 D	< 50.000 D	< 50.000 D	< 39.000 D	< 25.000 D	< 25.000 D	< 95.000 D	< 36.000 D	< 15.000 RD	< 50.000 D	1500.000 D
03U314 (SC2)	03/03/94	570.000	< 50.000	< 50.000	< 39.000	< 25.000	< 25.000	< 95.000	< 36.000	ND T	< 50.000	1300.000
03U314 (SC2)	09/07/94	450.000	< 1.000	70.000	36.000	13.900	1.860	< 1.900	0.507 1	ND T	< 1.000	1100.000
03U314 (SC2)	03/14/95	250.000	< 20.000	35.000	27.000	7.200 1	< 10.000	< 38.000	< 14.000	ND T	< 20.000	670.000
03U314 (SC2)	09/11/95	270.000 ?	< 20.000 ?	37.000 ?	13.000 1?	< 10.000 ?	< 10.000 ?	< 38.000 ?	< 14.000 ?	ND T?	< 20.000 ?	600.000 ?
03U315 (SC3)	03/03/93	56.000	< 2.000	5.200	3.800	< 1.000	< 1.000	< 3.800	< 1.400	< 0.600 R	< 2.000	150.000
03U315 (SC3)	09/15/93	35.000	< 2.000	3.500	1.900	< 1.000	< 1.000	< 3.800	< 1.400	< 0.600 R	< 2.000	88.000
03U315 (SC3)	03/03/94	45.000	< 5.000	< 5.000	< 3.900	< 2.500	< 2.500	< 9.500	< 3.600	ND T	< 5.000	110.000

TABLE IV-20

FY1993 - FY1995 VOC CONCENTRATIONS IN EXTRACTION WELLS
TGRS, TCAAP

Concentration: ug/L

Well	*Date*	*111TCE*	*112TCE*	*11DCE*	*11DCLE*	*12DCE*	*12DCLE*	*C2H3CL*	*CHCL3*	*T12DCE*	*TCLEE*	*TRCLE*
03U315 (SC3)	09/07/94	33.200	< 1.000	3.200	1.610	< 0.500	0.790	< 1.900	< 0.720	ND T	< 1.000	69.000
03U315 (SC3)	03/14/95	18.100	< 1.000	2.520	1.120	< 0.500	< 0.500	< 1.900	< 0.720	ND T	< 1.000	41.600
03U315 (SC3)	09/11/95	21.200 ?	< 1.000 ?	3.190 ?	0.659 1?	< 0.500 ?	< 0.500 ?	< 1.900 ?	< 0.720 ?	ND T?	< 1.000 ?	51.300 ?
03U316 (SC4)	03/03/93	16.600	< 1.000	2.270	2.990	< 0.500	< 0.500	< 1.900	3.840	< 0.300 R	< 1.000	17.800
03U316 (SC4)	09/15/93	14.000	< 1.000	1.660	2.310	< 0.500	< 0.500	< 1.900	3.770	< 0.300 R	< 1.000	22.700
03U316 (SC4)	03/03/94	14.100	< 1.000	1.260	1.290	< 0.500	< 0.500	< 1.900	3.020	ND T	< 1.000	23.200
03U316 (SC4)	09/07/94	10.200	< 1.000	2.160	2.000	0.343 1	0.985	< 1.900	3.120	ND T	< 1.000	24.200
03U316 (SC4)	09/07/94	9.610 D	< 1.000 D	2.050 D	1.880 D	0.336 D1	0.480 D1	< 1.900 D	2.880 D	ND DT	< 1.000 D	23.000 D
03U316 (SC4)	03/14/95	7.640	< 1.000	1.570	1.460	< 0.500	< 0.500	< 1.900	1.510	ND T	< 1.000	14.400
03U316 (SC4)	03/14/95	6.910 D	< 1.000 D	1.260 D	1.250 D	< 0.500 D	< 0.500 D	< 1.900 D	1.300 D	ND TD	< 1.000 D	12.400 D
03U316 (SC4)	09/11/95	9.920 ?	< 1.000 ?	1.920 ?	1.380 ?	0.294 1?	< 0.500 ?	< 1.900 ?	1.390 ?	ND T?	< 1.000 ?	19.400 ?
03U317 (SC5)	03/03/93	4600.000	< 250.000	< 250.000	< 200.000	< 130.000	< 130.000	< 480.000	< 180.000	< 75.000 R	< 250.000	12000.000
03U317 (SC5)	09/15/93	4700.000	< 200.000	240.000	< 160.000	< 100.000	< 100.000	< 380.000	< 140.000	< 60.000 R	< 200.000	14000.000
03U317 (SC5)	03/03/94	4900.000	< 250.000	< 250.000	< 200.000	< 130.000	< 130.000	< 480.000	< 180.000	ND T	< 250.000	15000.000 8
03U317 (SC5)	09/07/94	3100.000	< 500.000	< 500.000	< 390.000	< 250.000	< 250.000	< 950.000	< 360.000	ND T	< 500.000	12000.000
03U317 (SC5)	03/14/95	2300.000	< 200.000	120.000 1	< 160.000	< 100.000	< 100.000	< 380.000	< 140.000	ND T	< 200.000	6700.000
03U317 (SC5)	09/11/95	2800.000 ?	< 10.000 ?	33.000 ?	40.000 ?	6.000 ?	8.600 ?	< 19.000 ?	< 7.200 ?	ND T?	25.000 ?	8400.000 ?

Note:

D- Duplicate analysis

T- Non-target compound analyzed for but not detected (non-GC/MS method)

R- Non-target compound analyzed for but not detected (GC/MS method)

1- Result were less than Certified Reporting Limit but greater than the Criteria of Detection

8- Analyte recovery outside of certified range but within acceptable limits

?- Control Chart not yet approved by USAEC

Table IV-21

1995 Treatment System
Sampling Summary (μg/L)
TGRS, TCAAP

TABLE IV-21

1995 TREATMENT SYSTEM SAMPLING SUMMARY (µg/L) TGRS, TCAAP

Compound	*Average Influent*	*Range Influent*	*Average Effluent*	*Range Effluent*
Trichloroethene	800	40 - 1100	0.468	BDL - 0.707
1,1,1-Trichloroethane	172	BDL - 230	BDL	BDL
1,1-Dichloroethene	26.3	BDL - 39.7	BDL	BDL
1,2-Dichloroethylene	5.82	BDL - 17	BDL	BDL
Trans-1,2-dichloroethene	BDL	BDL	BDL	BDL
1,1-Dichloroethane	13.3	BDL - 23	BDL	BDL
Chloroform	0.161	BDL - 0.561	BDL	BDL
1,2-Dichloropropane	BDL	BDL	BDL	BDL
1,2-Dichloroethane	0.292	BDL - 0.957	0.064	BDL - 0.732
1,1,2-Trichloroethane	0.09	BDL - 1.12	BDL	BDL
Tetrachloroethene	0.271	BDL - 1.24	BDL	BDL
Vinyl chloride	BDL	BDL	BDL	BDL
1,1,2-Trichloro-1,2,2-trifluoroethane	2.66	BDL - 26	BDL	BDL
Carbon tetrachloride	BDL	BDL	BDL	BDL
Methylene chloride	BDL	BDL	0.40	BDL - 5.58

Notes:
BDL - Below Detection Limits
Concentrations less than the detection limit are assumed zero for averaging purposes.
Concentration Units: µg/L

Table IV-22

Historical Metals and Cyanide Concentrations
Treatment System
TGRS, TCAAP

TABLE IV-22

HISTORICAL METALS AND CYANIDE CONCENTRATIONS
TREATMENT SYSTEM
TGRS, TCAAP

Concentration units: ug/L

Well		*AS*	*BA*	*CD*	*CR*	*CU*	*CYN*	*HG*	*MN*	*NI*	*PB*	*ZN*
TGRSE	1/5/93	< 6.010		< 5.000	< 15.000	< 20.000		< 0.740		< 5.320	< 1.260	30.500
TGRSE	2/2/93	< 6.010		< 5.000	< 15.000	24.100		< 0.740		< 5.320	< 1.260	40.700
TGRSE	3/2/93	< 6.010	373.000	< 5.000	< 15.000	95.400	< 8.170	< 0.740	11000	< 63.100	< 1.260	192.000
TGRSE	4/7/93	< 6.010		< 5.000	< 15.000	< 20.000		< 0.740		< 5.320	< 1.260	15.300
TGRSE	5/5/93	< 6.010		< 5.000	< 15.000	< 20.000		< 0.740		< 5.320	< 1.260	23.400
TGRSE	6/1/93	< 6.010		< 5.000	< 15.000	36.100		< 0.740		< 63.100	< 1.260	91.600
TGRSE	7/6/93	< 6.010		< 5.000	< 15.000	123.000		< 0.740		6.490	< 1.260	205.000
TGRSE	8/3/93	< 6.010		< 5.000	< 15.000	< 20.000		< 0.740		< 63.100	< 1.260	15.300
TGRSE	9/15/93	< 6.010		< 5.000	< 15.000	< 20.000		< 0.740		< 5.320	< 1.260	40.700
TGRSE	10/5/93	< 6.01		< 5.00	< 15.00	72.30		< 0.74		8.21	< 1.26	137.00
TGRSE	11/30/93	< 6.01		< 5.00	< 15.00	< 20.00		< 0.74		< 5.32	< 1.26	19.30
TGRSE	12/7/93	< 6.01		< 5.00	< 15.00	< 20.00		< 0.74		< 5.32	< 1.26	13.20
TGRSE	1/4/94	< 3.00		< 5.00	< 15.00	< 20.00		< 0.74		< 7.30	< 4.00	15.30
TGRSE	2/1/94	< 3.00		< 5.00	< 15.00	< 20.00		< 0.74		< 5.00	< 4.00	16.30
TGRSE	3/1/94										< 4.00	
TGRSE	3/8/94	< 3.00	78.60	< 5.00	< 15.00	< 20.00		< 0.74	233	< 5.00	< 4.00	13.20
TGRSE	4/5/94	< 3.00		< 5.00	< 15.00	< 20.00		< 0.74		< 5.00	< 4.00	13.20
TGRSE	5/3/94	< 3.00		< 5.00	< 15.00	< 20.00		< 0.74		< 5.00	< 4.00	< 13.00
TGRSE	6/7/94	< 3.00		< 5.00	< 15.00	< 20.00		< 0.74		< 5.00	< 4.00	21.40
TGRSE	7/7/94	< 3.00		< 5.00 V	< 15.00 V	< 20.00 V		< 0.74		< 5.00	< 4.00	< 13.00
TGRSE	8/2/94	< 3.00		< 5.00	< 15.00	< 20.00		< 0.74		< 5.00	< 4.00	65.10
TGRSE	9/6/94	< 3.00		< 5.00	< 15.00	< 20.00		< 0.74		< 5.00	< 2.00	34.60
TGRSE	10/4/94	ND		< 5	< 15	< 20		< 0.74		ND	ND	22.4 B
TGRSE	11/1/94	ND		< 5	< 15	< 20		< 0.74 ?		ND	ND	26.4 B
TGRSE	12/6/94	ND		< 5	< 15 I	< 20 J		< 0.74	243	ND	ND	< 13 I
TGRSE	1/3/95	ND		< 5	< 15	< 20		< 0.74		ND	ND	16.3 B
TGRSE	2/7/95	ND		< 5	< 15	< 20		< 0.74		5.09	ND	< 13
TGRSE	3/14/95	ND	94.8	< 5	< 15	< 20		< 0.74	174	ND	ND	< 13
TGRSE	4/10/95	ND		< 5	< 15			< 0.74		ND	ND	14.2
TGRSE	5/2/95	ND		< 5	< 15			< 0.74		ND	ND	16.3
TGRSE	6/6/95	ND						< 0.74	< 5.11	ND	ND	
TGRSE	7/6/95	ND		< 5	< 15			< 0.74		ND	ND	< 13
TGRSE	7/6/95							< 0.74 D				
TGRSE	8/1/95	ND		< 5	< 15			< 0.74 ?		ND	ND	< 13 I

TABLE IV-22

HISTORICAL METALS AND CYANIDE CONCENTRATIONS
TREATMENT SYSTEM
TGRS, TCAAP

Concentration units: ug/L

Well		*AS*	*BA*	*CD*	*CR*	*CU*	*CYN*	*HG*	*MN*	*NI*	*PB*	*ZN*
TGRSE	9/5/95	ND		< 5	< 15			< 0.74 ?		ND	ND	< 13
TGRSE	9/11/95								401			

Note:

D - Duplicate analysis

V - Sample was subjected to unusual storage/preservation condition

B - B Analyte found in trip blank as well as in field samples

I - Interferences in sample make quantitation and/or identification to be suspect

? - Control Chart not yet approved by USAEC

Table IV-23

FY 1997 Surface Water Monitoring Plan

Notes:

Sample locations 20100, 20200, 20300, 20400, and 20500 are monitored as required by the TCAAP NPDES permit.

M = Analysis required once a month.
- At least two of the monthly samples are to be collected after/during rainfall of at least 0.5 inches.

Q = Analysis required once a quarter.

Y = Analysis required once a year.

C = Continuous flow measurement.

(1) = Sites refer to monitoring locations illustrated on Figure IV-51.

(2) = These values are to be estimated.

(3) = Sample location 20201 is monitored separately from the other locations and, therefore, has different monitored parameters and frequencies.

TABLE IV - 23
FY 97 Surface Water Monitoring Plan

Analysis	Units	Sample Locations (1)																
		20100 Marsden Lk Out	20200 Bldg 103/114 Outfall	20201 (3) Bldg 103 Effluent	20300 Bldg 113/115 Outfall	20400 Bldg 104/116 Outfall	20500 Round Lk Outfall	20700 Rice Crk In	20800 Rice Crk Out	20900 Rice Crk & Lex	21000 Rice Crk & Long Lk	21100 Culvert Area Runoff	21200 N Inlet Lex Runoff	21300 Mid Inlet Lex Runoff	21400 S Inlet Lex Runoff	21600 Hamline Runoff	Field Water Blank	D.I. Water Blank
Volume	gal/day	M	M	C	M	M	M	M	M	Q (2)	Q (2)	Q (2)	Q (2)	Q (2)	Q (2)	Q (2)	--	--
pH		M	M	M	M	M	M	M	M	Q	Q	Q	Y	Y	Y	Y	M	M
Suspended Solids	mg/l	M	M		M	M	M	M	M	Q	Q	Q	Y	Y	Y	Y	M	M
Chemical Oxygen Demand	mg/l	Q	Q		Q	Q	Q	Q	Q	Q	Q	Q	Y	Y	Y	Y	Q	Q
Total Organic Carbon	mg/l	Q	Q		Q	Q	Q	Q	Q	Q	Q	Q	Y	Y	Y	Y	Q	Q
Biological Oxygen Demand	mg/l	Q	Q		Q	Q	Q	Q	Q	Q	Q	Q	Y	Y	Y	Y	Q	Q
Dissolved Oxygen	mg/l	M	M		M	M	M	M	M	Q	Q	Q	Y	Y	Y	Y	M	M
Fecal Coliform Bacteria	#/100ml	Q	Q		Q	Q	Q	Q	Q	Q	Q	Q	Y	Y	Y	Y	Q	Q
Oil	mg/l	M	M		M	M	M	M	M	Q	Q	Q	Y	Y	Y	Y	M	M
Ammonia	mg/l	Q	Q		Q	Q	Q	Q	Q	Q	Q	Q	Y	Y	Y	Y	Q	Q
Cyanide	mg/l	Q	Q		Q	Q	Q	Q	Q	Q	Q	Q	Y	Y	Y	Y	Q	Q
Cadmium	mg/l	Q	Q		Q	Q	Q	Q	Q	Q	Q	Q	Y	Y	Y	Y	Q	Q
Chloride	mg/l	M	M		M	M	M	M	M	Q	Q	Q	Y	Y	Y	Y	M	M
Chromium (Total)	mg/l	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Y	Y	Y	Q	Q	Q
Copper	mg/l	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Lead	mg/l	Q	Y	Q	Y	Y	Q	Y	Y	Y	Y	Y	Q	Q	Q	Q	Q	Q
Mercury	mg/l	Y	Q		Q	Y	Q	Q	Q	Y	Y	Y	Y	Y	Y	Y	Q	Q
Nickel	mg/l	Q	Q		Q	Q	Q	Q	Q	Q	Q	Q	Y	Y	Y	Y	Q	Q
Phosphorus (Total)	mg/l	M	M	M	M	M	M	M	M	Q	Q	Q	Y	Y	Y	Y	M	M
Phosphorus (Ortho)	mg/l	M	M	M	M	M	M	M	M	Q	Q	Q	Y	Y	Y	Y	M	M
Silver	mg/l	Y	Q		Q	Q	Y	Q	Q	Q	Q	Q	Y	Y	Y	Q	Q	Q
Zinc	mg/l	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Y	Y	Y	Q	Q	Q
Trichloroethene	ug/l	Y	Q	Q	Q	Q	Y	Q	Q	Q	Q	Q	Y	Y	Y	Y	Q	Q
1,1,1-Trichloroethane	ug/l	Y	Q	Q	Q	Q	Y	Q	Q	Q	Q	Q	Y	Y	Y	Y	Q	Q
Methylene Chloride	ug/l	Y	Q	Q	Q	Q	Y	Q	Q	Q	Q	Q	Y	Y	Y	Y	Q	Q
1,1-Dichloroethene	ug/l	Y	Q		Q	Q	Y	Q	Q	Q	Q	Q	Y	Y	Y	Y	Q	Q
1,1-Dichloroethane	ug/l	Y	Q	Q	Q	Q	Y	Q	Q	Q	Q	Q	Y	Y	Y	Y	Q	Q
trans 1,2-Dichloroethene	ug/l			Q														
Carbon Tetrachloride	ug/l			Q														
Polychlorinated Biphenyls	ug/l	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Gross Alpha	pC/l	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Gross Beta	pC/l	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Gamma Spectranalysis	pC/l	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
24-hr pH Meter/Recorder		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	--	--

Table V-1

Historical VOC Concentrations in NB Well 13
PGRS, TCAAP

TABLE V-1

HISTORICAL VOC CONCENTRATIONS IN NB WELL 13
PGRS, TCAAP

Concentration units: ug/L

Well	Date	111TCE	112TCE	11DCE	11DCLE	12DCE	12DCLE	C2H3CL	CHCL3	T12DCE	TCLEE	TCLTFE	TRCLE	12DCLP	CH2CL2	CCL4
NB13E	4/18/94	< 1.00	< 1.00	< 1.00	< 0.78	< 0.50	0.323 1	< 1.90	< 0.72	< 0.3 T	< 1.00	< 1.00	< 0.50	< 1.00	< 3.2	< 1.3
NB13E	5/3/94	< 1.00	< 1.00	< 1.00	< 0.78	< 0.50	0.494 1	< 1.90	< 0.72	< 0.3 T	< 1.00	< 1.00	0.33 1	< 1.00	< 3.2	< 1.3
NB13E	6/7/94	< 1.00	< 1.00	< 1.00	< 0.78	< 0.50	< 0.50	< 1.90	< 0.72	< 0.3 T	< 1.00	< 1.00	< 0.50	< 1.00	< 3.2	< 1.3
NB13E	7/5/94	< 1.00	< 1.00	< 1.00	< 0.78	< 0.50	< 0.50	< 1.90	< 0.72	< 0.3 T	< 1.00	0.62 1	< 0.50	< 1.00	< 3.2	< 1.3
NB13E	8/2/94	< 1.00	< 1.00	< 1.00 JR	< 0.78	< 0.50	< 0.50 J	< 1.90	< 0.72	< 0.3 T	< 1.00	< 1.00	< 0.50	< 1.00	< 3.2	< 1.3
NB13E	9/6/94	< 1.00	< 1.00	< 1.00	< 0.78	< 0.50	0.936	< 1.90	< 0.72	< 0.3 T	< 1.00	< 1.00	< 0.50	< 1.00	< 3.2	< 1.3
NB13E	10/4/94	< 1.00	< 1.00	< 1.00	< 0.78	< 0.50	0.723	< 1.90	< 0.72	ND T	< 1.00	< 1.00	< 0.50	< 1.00	< 3.2	< 1.3
NB13E	11/1/94	< 1.00	< 1.00	< 1.00	< 0.78	< 0.50	< 0.50	< 1.90	< 0.72	ND T	< 1.00	< 1.00	< 0.50	< 1.00	< 3.2	< 1.3
NB13E	12/6/94	< 1.00	< 1.00	< 1.00	< 0.78	< 0.50	< 0.50 I	< 1.90	< 0.72	ND T	< 1.00	< 1.00	< 0.50 I	< 1.00	< 3.2	< 1.3
NB13E	1/3/95	2.11	< 1.00	< 1.00	< 0.78	< 0.50	< 0.50	< 1.90	< 0.72	ND T	< 1.00	< 1.00	< 0.50	< 1.00	< 3.2	< 1.3
NB13E	2/10/95	< 1.00	< 1.00	< 1.00	< 0.78	< 0.50	0.871	< 1.90	< 0.72	ND T	< 1.00	< 1.00	< 0.50	< 1.00	< 3.2	< 1.3
NB13E	3/7/95	< 1.00	< 1.00	< 1.00	< 0.78	< 0.50	< 0.50	< 1.90	< 0.72	ND T	< 1.00	< 1.00	< 0.50	< 1.00	< 3.2	< 1.3
NB13E	4/4/95	< 1.00	< 1.00	< 1.00	< 0.78	< 0.50	< 0.50	< 1.90	< 0.72	ND T	< 1.00	< 1.00	< 0.50	< 1.00	< 3.2	< 1.3
NB13E	5/2/95	< 1.00	< 1.00	< 1.00	< 0.78	< 0.50	< 0.50	< 1.90	< 0.72	ND T	< 1.00	< 1.00	< 0.50	< 1.00	< 3.2	< 1.3
NB13E	6/6/95	< 1.00	< 1.00	< 1.00	< 0.78	< 0.50	< 0.50	< 1.90	< 0.72	ND T	< 1.00 I	< 1.00	< 0.50	< 1.00	< 3.2	< 1.3
NB13E	7/6/95	< 1.00	< 1.00	< 1.00	< 0.78	< 0.50	< 0.50	< 1.90	< 0.72	ND T	< 1.00	< 1.00	< 0.50	< 1.00	< 3.2	< 1.3
NB13E	8/1/95	< 1.00	< 1.00	< 1.00	< 0.78	< 0.50	< 0.50	< 1.90	< 0.72	ND T	< 1.00	< 1.00	< 0.50	< 1.00	< 3.2	< 1.3
NB13E	9/5/95	< 1.00	< 1.00	< 1.00	< 0.78	< 0.50	< 0.50	< 1.90	< 0.72	ND T	< 1.00	< 1.00	< 0.50	< 1.00	< 3.2	< 1.3
NB13I	4/18/94	5.50	< 1.00	< 1.00	< 0.78	0.35 1	0.532	< 1.90	< 0.72	< 0.3 T	< 1.00	< 1.00	6.83	< 1.00	< 3.2	< 1.3
NB13I	5/3/94	< 1.00	< 1.00	< 1.00	< 0.78	0.40 1	0.543	< 1.90	< 0.72	< 0.3 T	< 1.00	< 1.00	6.73	< 1.00	< 3.2	< 1.3
NB13I	6/7/94	< 1.00 D	< 1.00	< 1.00	< 0.78	0.46 1D	< 0.50 D	< 1.90 D	< 0.72	< 0.3 TD	< 1.00	< 1.00	9.11	< 1.00	1.64 1	< 1.3
NB13I	6/7/94	< 1.00	< 1.00 D	< 1.00 D	< 0.78 D	0.46 1	< 0.50	< 1.90	< 0.72 D	< 0.3 T	< 1.00 D	< 1.00 D	9.21 D	< 1.00 D	< 3.2 D	< 1.3 D
NB13I	7/5/94	< 1.00	< 1.00	< 1.00	< 0.78	0.51 1	< 0.50	< 1.90	< 0.72	< 0.3 T	< 1.00	< 1.00	13.40	< 1.00	< 3.2	< 1.3
NB13I	8/2/94	0.85 1	< 1.00	< 1.00 JR	< 0.78	0.53 1	< 0.50 J	< 1.90	< 0.72	< 0.3 T	< 1.00	< 1.00	15.10	< 1.00	< 3.2	< 1.3
NB13I	9/6/94	0.58 1	< 1.00	< 1.00	0.554 1	0.51 1	1.02	< 1.90	< 0.72	< 0.3 T	< 1.00	< 1.00	16.80	< 1.00	< 3.2	< 1.3
NB13I	9/6/94	0.68 D1	< 1.00 D	< 1.00 D	0.556 D1	0.50 D1	1.19 D	< 1.90 D	< 0.72 D	< 0.3 TD	< 1.00 D	< 1.00 D	16.10 D	< 1.00 D	< 3.2 D	< 1.3 D
NB13I	10/4/94	0.96 1	< 1.00	< 1.00	0.601 1	0.48 1	0.673	< 1.90	< 0.72	ND T	< 1.00	< 1.00	16.70	< 1.00	< 3.2	< 1.3
NB13I	11/1/94	0.64 1	< 1.00	< 1.00	< 0.78	0.31 1	< 0.50	< 1.90 D	< 0.72 D	ND TD	< 1.00	< 1.00	14.70	< 1.00	< 3.2	< 1.3
NB13I	11/1/94	0.68 D1	< 1.00	< 1.00 D	0.412 D1	0.89 D	< 0.50 D	< 1.90	< 0.72	ND T	< 1.00 D	< 1.00 D	15.20 D	< 1.00 D	< 3.2 D	< 1.3 D
NB13I	12/6/94	0.65 1	< 1.00	< 1.00	0.421	0.32 1	< 0.50 I	< 1.90 D	< 0.72 D	ND TD	< 1.00 D	< 1.00 D	13.80 DI	< 1.00 D	< 3.2 D	< 1.3 D
NB13I	12/6/94	0.56 1D	< 1.00 D	< 1.00 D	0.456 D1	< 0.50 D	< 0.50 DI	< 1.90	< 0.72	ND T	< 1.00	< 1.00	12.30 I	< 1.00	< 3.2	< 1.3
NB13I	1/3/95	1.10 D	< 1.00 D	< 1.00 D	< 0.78 D	0.33 D1	< 0.50 D	< 1.90 D	< 0.72	ND TD	< 1.00 D	< 1.00 D	13.40 DI	< 1.00 D	< 3.2 D	< 1.3 D
NB13I	1/3/95	0.92 1	1.03	< 1.00	< 0.78	0.37 1	< 0.50	< 1.90	< 0.72 D	ND T	< 1.00	< 1.00	13.40 I	< 1.00	< 3.2	< 1.3
NB13I	2/10/95	0.65 1	< 1.00	< 1.00	< 0.78	0.30 1	1.01	< 1.90	< 0.72	ND T	< 1.00	< 1.00	9.13	< 1.00	< 3.2	< 1.3
NB13I	3/7/95	0.79 1	< 1.00	< 1.00	0.47 1	0.39 1	< 0.50	< 1.90	< 0.72	ND T	< 1.00	< 1.00	11.70	< 1.00	< 3.2	< 1.3
NB13I	3/7/95	0.64 1D	< 1.00 D	< 1.00 D	0.438 1D	0.39 1D	< 0.50 D	< 1.90 D	< 0.72 D	ND TD	< 1.00 D	< 1.00 D	11.80 D	< 1.00 D	< 3.2 D	< 1.3 D
NB13I	4/4/95	0.76 1	< 1.00	< 1.00	0.6 1	0.40 1	< 0.50	< 1.90	< 0.72	ND T	< 1.00	< 1.00	11.20	< 1.00	< 3.2	< 1.3
NB13I	5/2/95	0.61 1	< 1.00 D	< 1.00	0.552 1D	0.45 1D	< 0.50 D	< 1.90	< 0.72	ND TD	< 1.00 D	< 1.00 D	10.70	< 1.00 D	< 3.2 D	< 1.3 D
NB13I	5/2/95	0.57 1D	< 1.00	< 1.00 D	0.551 1	0.42 1	< 0.50	< 1.90 D	< 0.72 D	ND T	< 1.00	< 1.00	10.90 D	< 1.00	1.83 1	< 1.3
NB13I	6/6/95	< 1.00 D	< 1.00	< 1.00	0.426 1D	0.40 1	< 0.50	< 1.90	< 0.72	ND T	< 1.00 I	< 1.00	11.90	< 1.00	< 3.2	< 1.3
NB13I	6/6/95	< 1.00	< 1.00 D	< 1.00 D	< 0.78	0.40 1D	< 0.50 D	< 1.90 D	< 0.72 D	ND T	< 1.00 DI	< 1.00 D	12.40 D	< 1.00 D	< 3.2 D	< 1.3 D

TABLE V-1

HISTORICAL VOC CONCENTRATIONS IN NB WELL 13
PGRS, TCAAP

Concentration units: ug/L

Well	Date	111TCE	112TCE	11DCE	11DCLE	12DCE	12DCLE	C2H3CL	CHCL3	T12DCE	TCLEE	TCLTFE	TRCLE	12DCLP	CH2CL2	CCL4
NB13I	7/6/95	< 1.00	< 1.00	< 1.00	0.498 1	0.40 1	< 0.50	< 1.90	< 0.72	ND T	< 1.00	< 1.00	13.10	< 1.00	< 3.2	< 1.3
NB13I	8/1/95	0.62 1	< 1.00	0.61 1	0.692 1	0.46 1	0.592	< 1.90	< 0.72	ND T	< 1.00	< 1.00	16.50	< 1.00	< 3.2	< 1.3
NB13I	9/5/95	1.25	< 1.00 D	0.58 1D	0.635 1D	0.35 1D	< 0.50 D	< 1.90 D	< 0.72 D	ND TD	< 1.00 D	< 1.00 D	18.00 D	< 1.00 D	< 3.2 D	< 1.3 D
NB13I	9/5/95	1.23 D	< 1.00	0.68 1	0.585 1	0.35 1	< 0.50	< 1.90	< 0.72	ND T	< 1.00	< 1.00	17.90	< 1.00	< 3.2	< 1.3

Note:

1 - Result less than the Certified Reporting Limit but greater than the Criteria of Detection
D - Duplicate analysis
T - Non target compound analyzed for but not detected (non GC / MS methods)
J - Value is estimated
R - Non target compound analyzed for but not detected (GC / MS methods)
I - Interferences in sample make quantitation and/or identification to be suspect

Table V-2

FY 1995 Treatment System
Analytical Summary (μg/L)
PGRS, TCAAP

TABLE V-2

FY 1995 TREATMENT SYSTEM ANALYTICAL SUMMARY (µg/L)
PGRS, TCAAP

Compound	*Average Influent*	*Range Influent*	*Average Effluent*	*Range Effluent*
1,1-Dichloroethane	0.386	BDL - 0.692	BDL	BDL
1,2-Dichloroethylene	0.390	BDL - 0.892	BDL	BDL
1,2-Dichloroethane	0.120	BDL - 1.01	0.133	BDL - 0.871
1,1,1-Trichloroethane	0.664	BDL - 1.25	0.18	BDL - 2.11
Trichloroethene	13.4	9.13 - 18	BDL	BDL
1,1,2-Trichlorotrfluoroethane	BDL	BDL	BDL	BDL
Methylene Chloride	0.10	BDL - 1.83	BDL	BDL
Remaining UG03 Compounds	0.022	BDL - 1.03	BDL	BDL

Notes:
BDL - Below Detection Limits
Concentrations less than the detection limit are assumed zero for averaging purposes.

Table V-3

Historical Arsenic Concentration
NB Well 13 Influent
PGRS, TCAAP

TABLE V-3

HISTORICAL ARSENIC CONCENTRATION
NB WELL 13 INFLUENT
PGRS, TCAAP

Site ID	*Compound*	*Sample Date*	*Concentration*	*Units*
NB13I	AS	6/7/94	< 3.0	ug/L
NB13I	AS	9/6/94	< 3.0	ug/L
NB13I	AS	12/6/95	< 3.0	ug/L
NB13I	AS	3/7/95	< 4.0	ug/L
NB13I	AS	6/6/95	< 4.0	ug/L

Table V-4

Hydraulic Vertical Gradients
PGRS, TCAAP

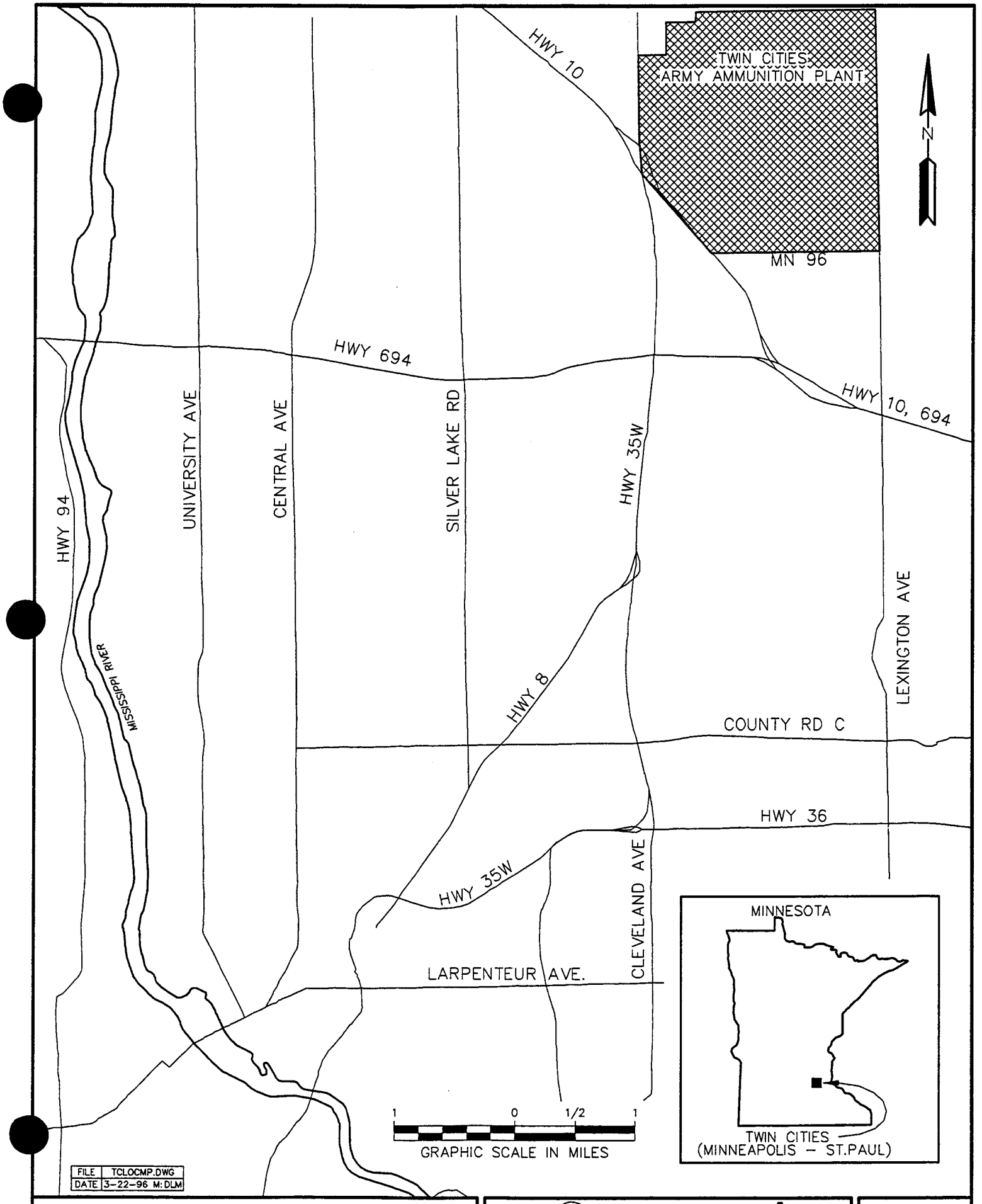
TABLE V-4

HYDRAULIC VERTICAL GRADIENTS
PGRS, TCAAP

Well	*3/31/94*	*4/28/94*	*4/29/94*	*5/2/94*	*5/9/94*	*5/16/94*	*5/23/94*	*6/20/94*	*7/19/94*	*10/10/94*	*1/27/95*	*3/6/95*	*6/21/95*	*9/5/95*	*12/14/95*
03U673 <---> 03L673	-0.034	-0.034	-0.035	-0.035	-0.039	-0.038	-0.041	-0.043	-0.045	-0.030	-0.042	-0.042	-0.030	-0.043	-0.042
03L673 <---> 04U673	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.010	0.010	0.009	0.009	0.010	0.009	0.009
03U832 <---> 03L832	-0.002	-0.003	-0.002	-0.002	-0.002	-0.002	-0.003	-0.003	-0.003	-0.002	-0.002	0.004	-0.003	-0.003	-0.002
03L832 <---> 04U832	-0.002	-0.002	-0.001	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.005	-0.003	-0.002	-0.002
03L841 <---> 04U841	0.011	0.011	0.011	0.011	0.011	0.010	0.010	0.010	0.011	0.012	0.010	0.010	0.011	0.011	0.010
03L846 <---> 04U846	-9.033	-0.012	-0.006	-0.006	-0.008	-0.010	-0.011	-0.012	-0.011	-0.008	-0.007	-0.007	-0.014	-0.010	-0.009
03M848 <---> 03L848	0.011	0.010	0.011	0.010	0.010	0.010	0.010	0.009	0.012	0.013	0.010	-20.036	0.013	0.027	0.011
03L848 <---> 04U848	0.004	0.004	0.004	0.003	0.003	0.003	0.003	0.004	0.009	0.007	0.004	12.031	0.006	-0.007	0.004
03L854 <---> 04U854	-0.036	-0.036	-0.034	-0.033	-0.037	-0.039	-0.042	-0.045	-0.046	-0.040	-0.039	-0.039	-0.044	-0.041	-0.040
03L859 <---> 04U859	0.030	0.030	0.030	0.029	0.029	0.030	0.029	0.030	0.039	0.037	0.031	0.030	0.037	0.031	0.031
03L860 <---> 04U860	-0.039	-0.038	-0.037	-0.036	-0.040	-0.041	-0.046	-0.047	-0.049	-0.043	-0.043	-0.042	-0.047	-0.044	-0.043
03L861 <---> 04U861	-0.022	-0.021	-0.020	-0.019	-0.022	-0.022	-0.026	-0.027	-0.027	-0.022	-0.023	-0.023	-0.026	-0.024	-0.024
04U864 <---> 04J864	-0.046	-0.029	-0.033	-0.043	-0.034	-0.034	-0.042	-0.042	-0.035	-0.040	-0.028	-0.029	-0.048	-0.042	-0.022
04U866 <---> 04J866	-0.034	-0.019	-0.020	-0.030	-0.022	-0.023	-0.028	-0.027	-0.021	-0.026	-0.016	-0.017	-0.032	-0.027	-0.006
PCA1L3 <---> MPCA1U4	-0.018	-0.017	-0.017	-0.017	-0.019	-0.019	-0.021	-0.022	-0.021	-0.018	-0.019	-0.019	-0.020	-0.020	-0.020
PCA2L3 <---> MPCA2U4	-0.012	-0.013	-0.012	-0.011	-0.012	-0.013	-0.013	-0.013	-0.014	-0.013	-0.013	-0.012	-0.015	-0.013	-0.013

Note:
(-) denotes vertical downward gradient

FIGURES



TWIN CITIES ARMY AMMUNITION PLANT

Site Location Map

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Environmental Engineers

Wenck

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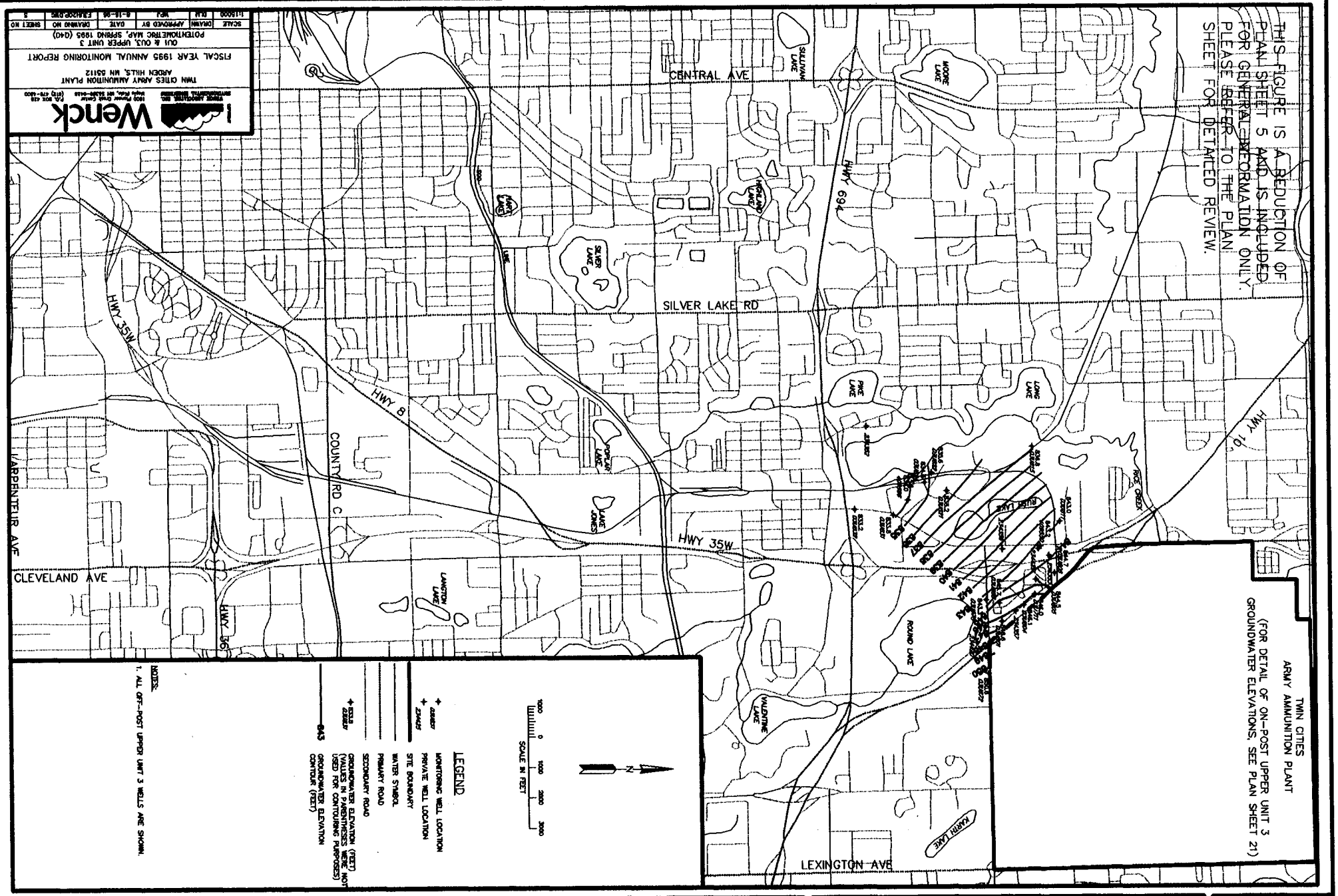
Maple Plain, MN 55359-0428

AUG. 1996

Fig. II-1



TWIN CITIES ARMY AMMUNITION PLANT

OU1 & OU3, Upper Unit 3 Potentiometric Map, Spring 1995 (Q46)

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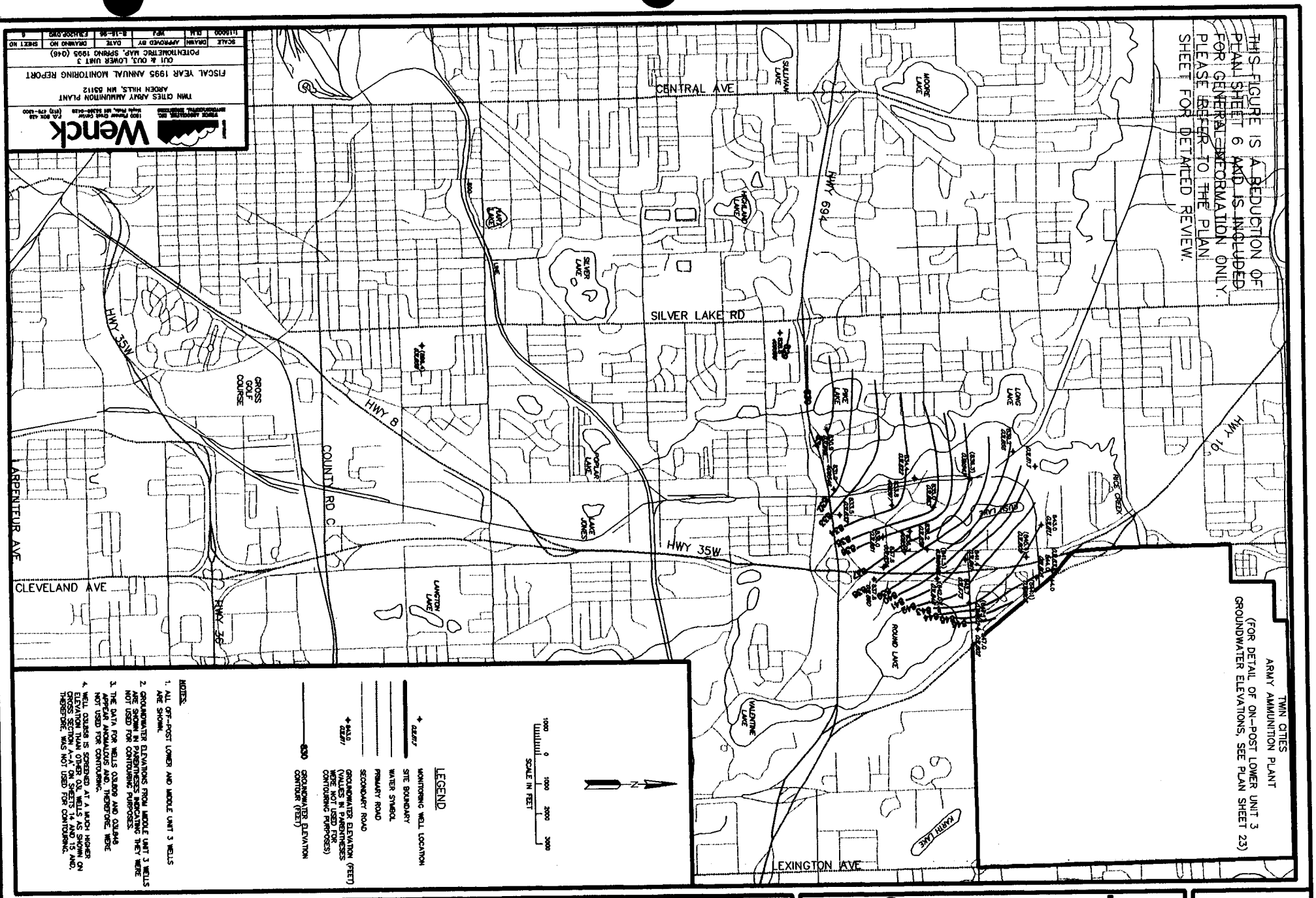
Fig. III-1



TWIN CITIES ARMY AMMUNITION PLANT

OU1 & OU3, Lower Unit 3 Potentiometric Map, Spring 1995 (Q46)

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Fig. III-2

TWIN CITIES ARMY AMMUNITION PLANT

OU1 & OU3, Upper Unit 4 Potentiometric Map, Spring 1995 (Q46)

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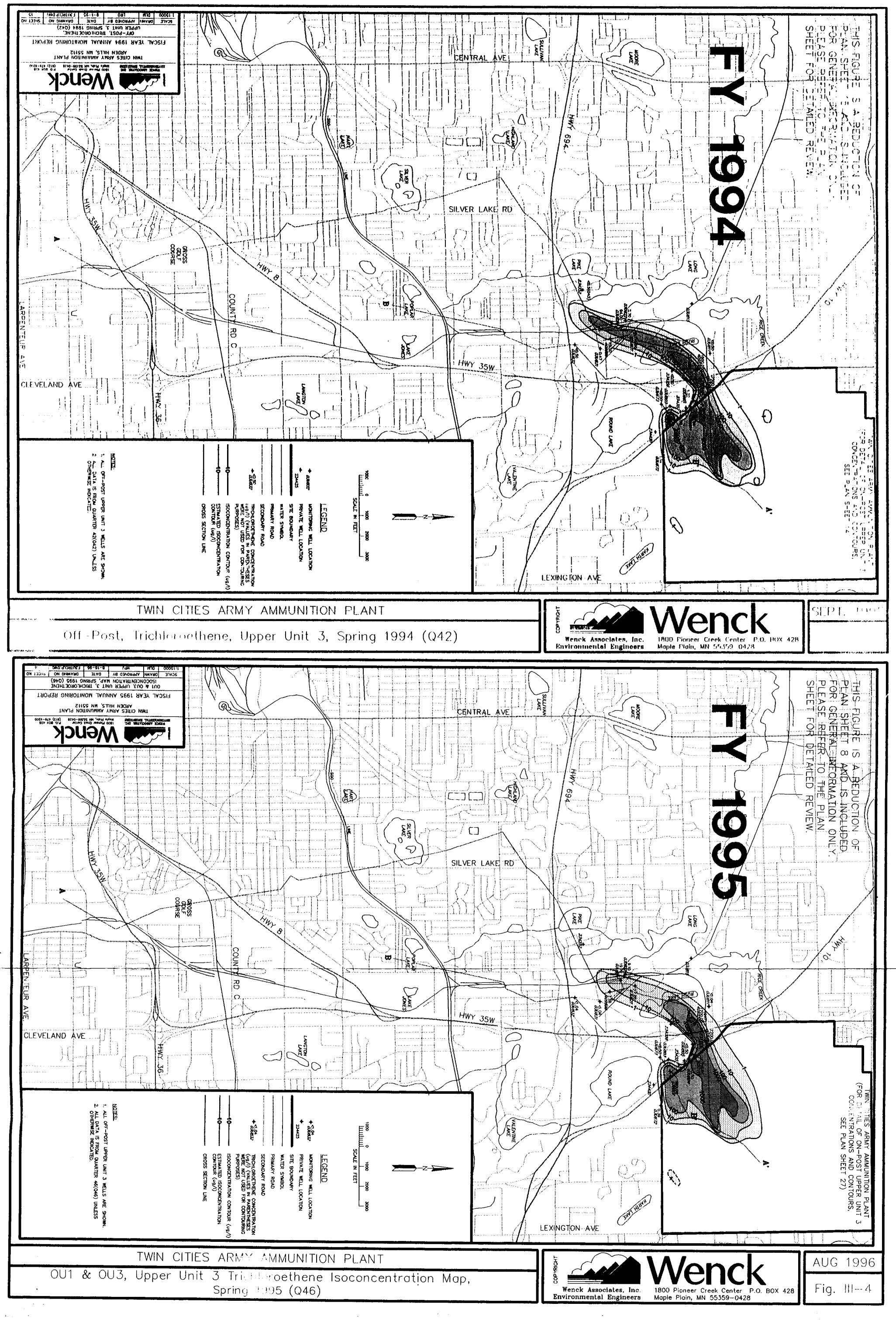
Fig. III-3


FY 1994
THIS FIGURE IS A REDUCTION OF PLAN SHEET 18 AND IS INCLUDED FOR GENERAL INFORMATION ONLY. PLEASE REFER TO THE PLAN SHEET FOR DETAILED REVIEW.
CENTRAL AVE
SILVER LAKE RD
HWY 694
HWY 35W
HWY 8
COUNTY RD C
CLEVELAND AVE
LARPENTEUR AVE
HWY 36
LEXINGTON AVE
GROSS GOLF COURSE
SULLIVAN LAKE
MOORE LAKE
MARY LAKE
HIGHLAND LAKE
SILVER LAKE
POPLAR LAKE
LAKE JONES
PIKE LAKE
LONG LAKE
RICE CREEK
ROUND LAKE
VALENTINE LAKE
LANGTON LAKE
KARTH LAKE
A
A'
B
B'
LEGEND
MONITORING WELL LOCATION
PRIVATE WELL LOCATION
SITE BOUNDARY
WATER SYMBOL
PRIMARY ROAD
SECONDARY ROAD
TRICHLOROETHENE CONCENTRATION (ug/l) (VALUES IN PARENTHESES WERE NOT USED FOR CONTOURING PURPOSES)
ISOCONCENTRATION CONTOUR (ug/l)
ESTIMATED ISOCONCENTRATION CONTOUR (ug/l)
CROSS SECTION LINE
SCALE IN FEET
NOTES:
1. ALL OFF-POST UPPER UNIT 3 WELLS ARE SHOWN.
2. ALL DATA IS FROM QUARTER 42(Q42) UNLESS OTHERWISE INDICATED.
TWIN CITIES ARMY AMMUNITION PLANT (FOR DETAIL OF ON-POST UPPER UNIT 3 CONCENTRATIONS AND CONTOURS, SEE PLAN SHEET 27)
Wenck
TWIN CITIES ARMY AMMUNITION PLANT
FISCAL YEAR 1994 ANNUAL MONITORING REPORT
OFF-POST, TRICHLOROETHENE, UPPER UNIT 3, SPRING 1994 (Q42)
SCALE 1:5000
DRAWN DLM
APPROVED BY
DATE 9-1-95
DRAWING NO
SHEET NO 15
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SEPT. 1995
Off-Post, Trichloroethene, Upper Unit 3, Spring 1994 (Q42)

FY 1995
THIS FIGURE IS A REDUCTION OF PLAN SHEET 8 AND IS INCLUDED FOR GENERAL INFORMATION ONLY. PLEASE REFER TO THE PLAN SHEET FOR DETAILED REVIEW.
CENTRAL AVE
SILVER LAKE RD
HWY 694
HWY 35W
HWY 8
COUNTY RD C
CLEVELAND AVE
LARPENTEUR AVE
HWY 36
LEXINGTON AVE
GROSS GOLF COURSE
SULLIVAN LAKE
MOORE LAKE
MARY LAKE
HIGHLAND LAKE
SILVER LAKE
POPLAR LAKE
LAKE JONES
PIKE LAKE
LONG LAKE
RICE CREEK
ROUND LAKE
VALENTINE LAKE
LANGTON LAKE
KARTH LAKE
A
A'
B
B'
LEGEND
MONITORING WELL LOCATION
PRIVATE WELL LOCATION
SITE BOUNDARY
WATER SYMBOL
PRIMARY ROAD
SECONDARY ROAD
TRICHLOROETHENE CONCENTRATION (ug/l) (VALUES IN PARENTHESES WERE NOT USED FOR CONTOURING PURPOSES)
ISOCONCENTRATION CONTOUR (ug/l)
ESTIMATED ISOCONCENTRATION CONTOUR (ug/l)
CROSS SECTION LINE
SCALE IN FEET
NOTES:
1. ALL OFF-POST UPPER UNIT 3 WELLS ARE SHOWN.
2. ALL DATA IS FROM QUARTER 46(Q46) UNLESS OTHERWISE INDICATED.
TWIN CITIES ARMY AMMUNITION PLANT (FOR DETAIL OF ON-POST UPPER UNIT 3 CONCENTRATIONS AND CONTOURS, SEE PLAN SHEET 27)
Wenck
TWIN CITIES ARMY AMMUNITION PLANT
FISCAL YEAR 1995 ANNUAL MONITORING REPORT
OU1 & OU3 UPPER UNIT 3, TRICHLOROETHENE
ISOCONCENTRATION MAP, SPRING 1995 (Q46)
SCALE 1:5000
DRAWN DLM
APPROVED BY MPJ
DATE 8-18-86
DRAWING NO
SHEET NO A
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1800 Pioneer Creek Center P.O. BOX 428 Maple Plain, MN 55359-0428
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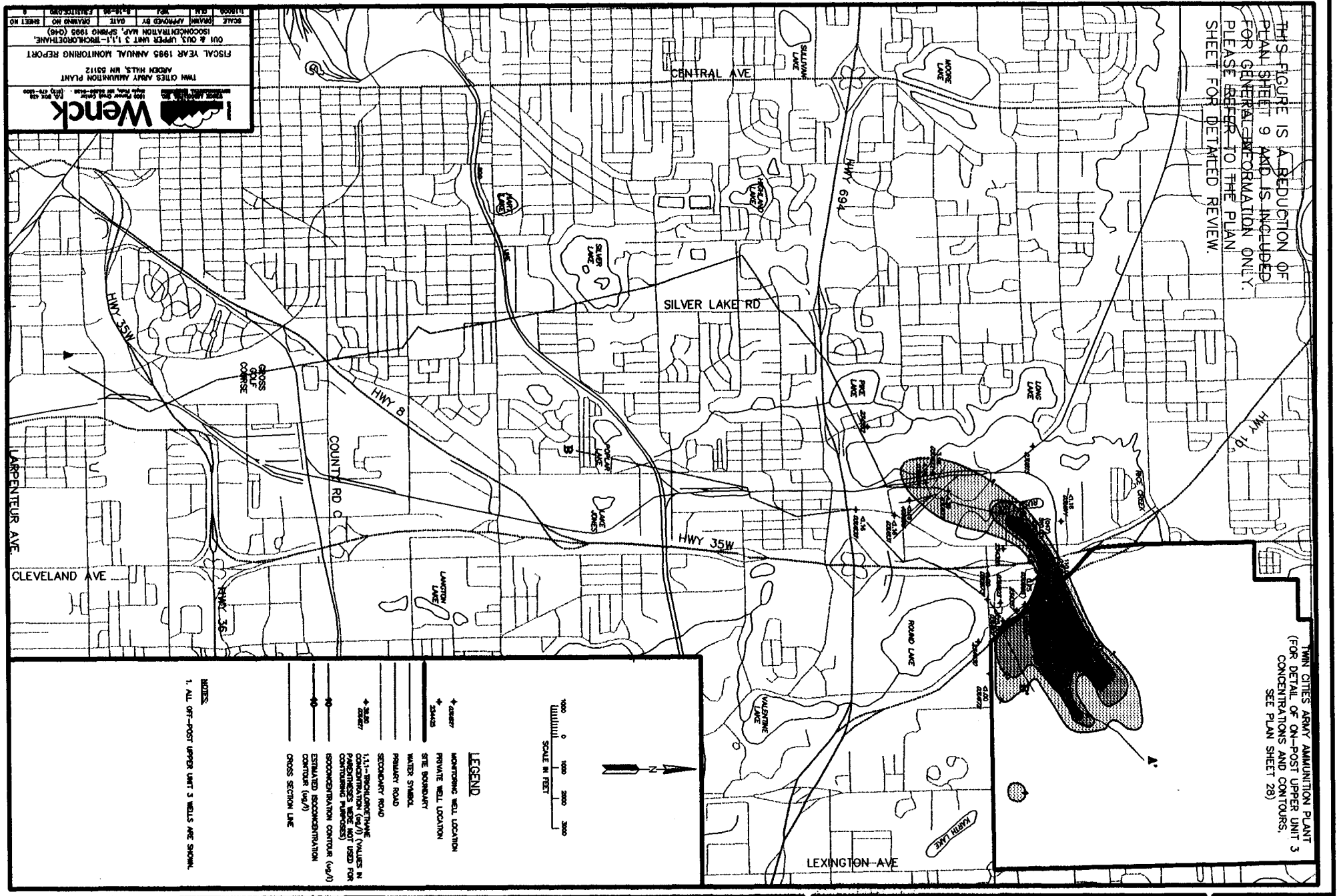
AUG 1996
Fig. III-4
OU1 & OU3, Upper Unit 3 Trichloroethene Isoconcentration Map, Spring 1995 (Q46)



TWIN CITIES ARMY AMMUNITION PLANT

OU1 & OU3, Upper Unit 3 1,1,1-Trichloroethane Isoconcentration Map, Spring 1995 (Q46)

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Fig. III-5

FY 1994
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TWIN CITIES ARMY AMMUNITION PLANT (FOR DETAIL OF ON-POST LOWER UNIT 3 CONCENTRATIONS AND CONTOURS, SEE PLAN SHEET 19)
CENTRAL AVE
SILVER LAKE RD
HWY 35W
HWY 8
HWY 694
HWY 10
COUNTY RD C
CLEVELAND AVE
LEXINGTON AVE
LARPENTEUR AVE
GROSS GOLF COURSE
SULLIVAN LAKE
MOORE LAKE
HART LAKE
HIGHLAND LAKE
SILVER LAKE
POPLAR LAKE
LAKE JONES
LANGTON LAKE
LONG LAKE
ROUND LAKE
VALENTINE LAKE
MARTH LAKE
RICE CREEK
A
A'
B
B'
LEGEND
MONITORING WELL LOCATION
SITE BOUNDARY
WATER SYMBOL
PRIMARY ROAD
SECONDARY ROAD
TRICHLOROETHENE CONCENTRATION (ug/l) (VALUES IN PARENTHESES WERE NOT USED FOR CONTOURING PURPOSES)
ISOCONCENTRATION CONTOUR (ug/l)
ESTIMATED ISOCONCENTRATION CONTOUR (ug/l)
CROSS SECTION LINE
SCALE IN FEET
1000 0 1000 2000 3000
NOTES:
1. ALL OFF-POST LOWER UNIT 3 WELLS ARE SHOWN.
2. OFF-POST MIDDLE UNIT 3 WELLS WITH DATA FOR QUARTER 42 ARE SHOWN WITH DATA IN PARENTHESES. BUT WERE NOT USED FOR CONTOURING.
3. WELL CGL456 IS SCREENED AT A MUCH HIGHER ELEVATION THAN OTHER CGL WELLS AS SHOWN ON CROSS SECTION A-A' ON SHEETS 26 AND 27.
4. ALL DATA IS FROM QUARTER 42(Q42) UNLESS OTHERWISE INDICATED.
TWIN CITIES ARMY AMMUNITION PLANT
ARDEN HILLS, MN 55112
FISCAL YEAR 1994 ANNUAL MONITORING REPORT
OFF-POST, TRICHLOROETHENE
LOWER UNIT 3, SPRING 1994 (Q42)
Wenck
SCALE 1:9000 | DRAWN DLW | APPROVED BY | DATE 9-1-95 | DRAWING NO 180 | SHEET NO 10
TWIN CITIES ARMY AMMUNITION PLANT
Off Post, Trichloroethene, Lower Unit 3, Spring 1994 (Q42)
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1800 Pioneer Creek Center P.O. BOX 428
Maple Plain, MN 55359-0428
SEPT 1995
FY 1995
THIS FIGURE IS A REDUCTION OF PLAN SHEET 10 AND IS INCLUDED FOR GENERAL INFORMATION ONLY. PLEASE REFER TO THE PLAN SHEET FOR DETAILED REVIEW.
TWIN CITIES ARMY AMMUNITION PLANT (FOR DETAIL OF ON-POST LOWER UNIT 3 CONCENTRATIONS AND CONTOURS, SEE PLAN SHEET 29)
RAW DATA, NOT IN IRDMIS
TWIN CITIES ARMY AMMUNITION PLANT
ARDEN HILLS, MN 55112
FISCAL YEAR 1995 ANNUAL MONITORING REPORT
OU1 & OU3, LOWER UNIT 3 TRICHLOROETHENE
ISOCONCENTRATION MAP, SPRING 1995 (Q46)
Wenck
SCALE 1:9000 | DRAWN DLW | APPROVED BY MPJ | DATE 8-16-96 | DRAWING NO 3LTRICLE.DWG | SHEET NO 10
TWIN CITIES ARMY AMMUNITION PLANT
OU1 & OU3, Lower Unit 3 Trichloroethene Isoconcentration M . .
Spring 1995 (Q46)
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Maple Plain, MN 55359-0428
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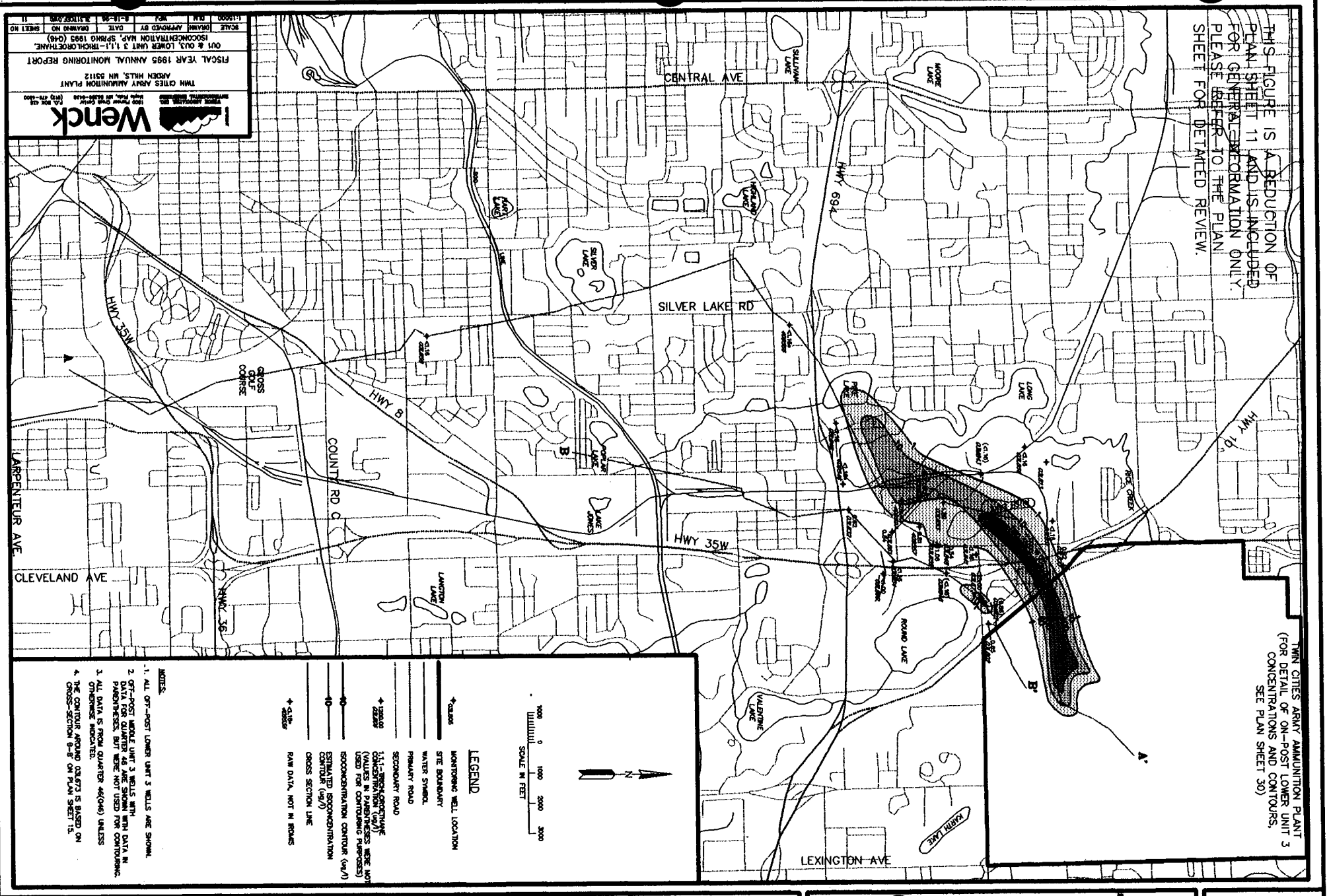
Fig. III-6



TWIN CITIES ARMY AMMUNITION PLANT

OU1 & OU3, Lower Unit 3 1,1,1-Trichloroethane Isoconcentration Map, Spring 1995 (Q46)

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Fig. III-7

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TWIN CITIES ARMY AMMUNITION PLANT (FOR DETAIL OF ON-POST UPPER UNIT 4 CONCENTRATIONS AND CONTOURS, SEE PLAN SHEET 30)

FY 1994

SCALE IN FEET
1000 0 1000 2000 3000

LEGEND

- MONITORING WELL LOCATION
- RECOVERY WELL LOCATION
- PRIVATE WELL LOCATION
- MUNICIPAL WELL LOCATION
- ABANDONED WELL LOCATION
- SITE BOUNDARY
- WATER SYMBOL
- PRIMARY ROAD
- SECONDARY ROAD
- TRICHLOROETHENE CONCENTRATION (ug/l) (VALUES SHOWN IN PARENTHESES WERE NOT USED FOR CONTOURING PURPOSES)
- ISOCONCENTRATION CONTOUR (ug/l)
- ESTIMATED ISOCONCENTRATION CONTOUR (ug/l)
- CROSS SECTION LINE

NOTES:
1. ALL OFF-POST UPPER UNIT 4 WELLS ARE SHOWN.
2. ALL DATA IS FROM SPRING 1994(Q42) UNLESS OTHERWISE NOTED.
3. THE DATA FOR WELLS 200803, 200804, AND 200524 WAS OBTAINED DIRECTLY FROM THE VILLAGE OF ST. ANTHONY AND NOT THROUGH IRDMIS.

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TWIN CITIES ARMY AMMUNITION PLANT
Off-Post, Trichloroethene, Upper Unit 4, Spring 1994 (Q42)

SCALE	DRAWN	DATE	DRAWING NO
1"=2000'	JMW	8/96	
	APPROVED BY	DATE	SHEET NO
		8/96	

TWIN CITIES ARMY AMMUNITION PLANT
ARDEN HILLS, MN 55112
FISCAL YEAR 1994 ANNUAL MONITORING REPORT
OU1 (OFF-POST) TRICHLOROETHENE
UPPER UNIT 4, SPRING 1994 (Q42)

Wenck Associates, Inc. 1800 Pioneer Creek Center P.O. BOX 429 Maple Plain, MN 55359-0428 (612) 479-1300

PLOT DATE	PLOT TIME	LAST MODIFIED
8/19/96	1:15 PM	

THIS FIGURE IS A REDUCTION OF PLAN SHEET 12 AND IS INCLUDED FOR GENERAL INFORMATION ONLY. PLEASE REFER TO THE PLAN SHEET FOR DETAILED REVIEW.

TWIN CITIES ARMY AMMUNITION PLANT (FOR DETAIL OF ON-POST UPPER UNIT 4 CONCENTRATIONS AND CONTOURS, SEE PLAN SHEET 31)

FY 1995

SCALE IN FEET
1000 0 1000 2000 3000

LEGEND

- MONITORING WELL LOCATION
- RECOVERY WELL LOCATION
- PRIVATE WELL LOCATION
- MUNICIPAL WELL LOCATION
- ABANDONED WELL LOCATION
- PROPOSED RECOVERY WELL OR MONITORING WELL RESPECTIVELY.
- SITE BOUNDARY
- WATER SYMBOL
- PRIMARY ROAD
- SECONDARY ROAD
- TRICHLOROETHENE CONCENTRATION (ug/l) (VALUES SHOWN IN PARENTHESES WERE NOT USED FOR CONTOURING PURPOSES)
- ISOCONCENTRATION CONTOUR (ug/l)
- ESTIMATED ISOCONCENTRATION CONTOUR (ug/l)
- CROSS SECTION LINE

NOTES:
1. ALL OFF-POST UPPER UNIT 4 WELLS ARE SHOWN.
2. ALL DATA IS FROM SPRING 1995(Q46) UNLESS OTHERWISE NOTED.
3. THE DATA FOR WELLS 200803, 200804, AND 200524 WAS OBTAINED DIRECTLY FROM THE VILLAGE OF ST. ANTHONY AND NOT THROUGH IRDMIS.
4. OAU AND PJ WELLS WITH DATA FOR QUARTER 46 ARE SHOWN WITH DATA IN PARENTHESES, BUT WERE NOT USED FOR CONTOURING.
5. THE DATA FOR OAU877 APPEARS ANOMALOUS AND, THEREFORE, WAS NOT USED FOR CONTOURING.
6. ALL PROPOSED WELLS ARE PRAIRIE DU CHIEN AQUIFER WELLS UNLESS DESIGNATED AS JORDAN AQUIFER BY A (J).

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TWIN CITIES ARMY AMMUNITION PLANT
OU1 & OU3, Upper Unit 4 Trichloroethene Isoconcentration Map, Spring 1995 (Q46)

SCALE	DRAWN	DATE	DRAWING NO
1"=2000'	JMW	8/96	
	APPROVED BY	DATE	SHEET NO
		8/96	

TWIN CITIES ARMY AMMUNITION PLANT
ARDEN HILLS, MN 55112
FISCAL YEAR 1995 ANNUAL MONITORING REPORT
OU1 & OU3 UPPER UNIT 4 TRICHLOROETHENE ISOCONCENTRATION MAP, SPRING 1995 (Q46)

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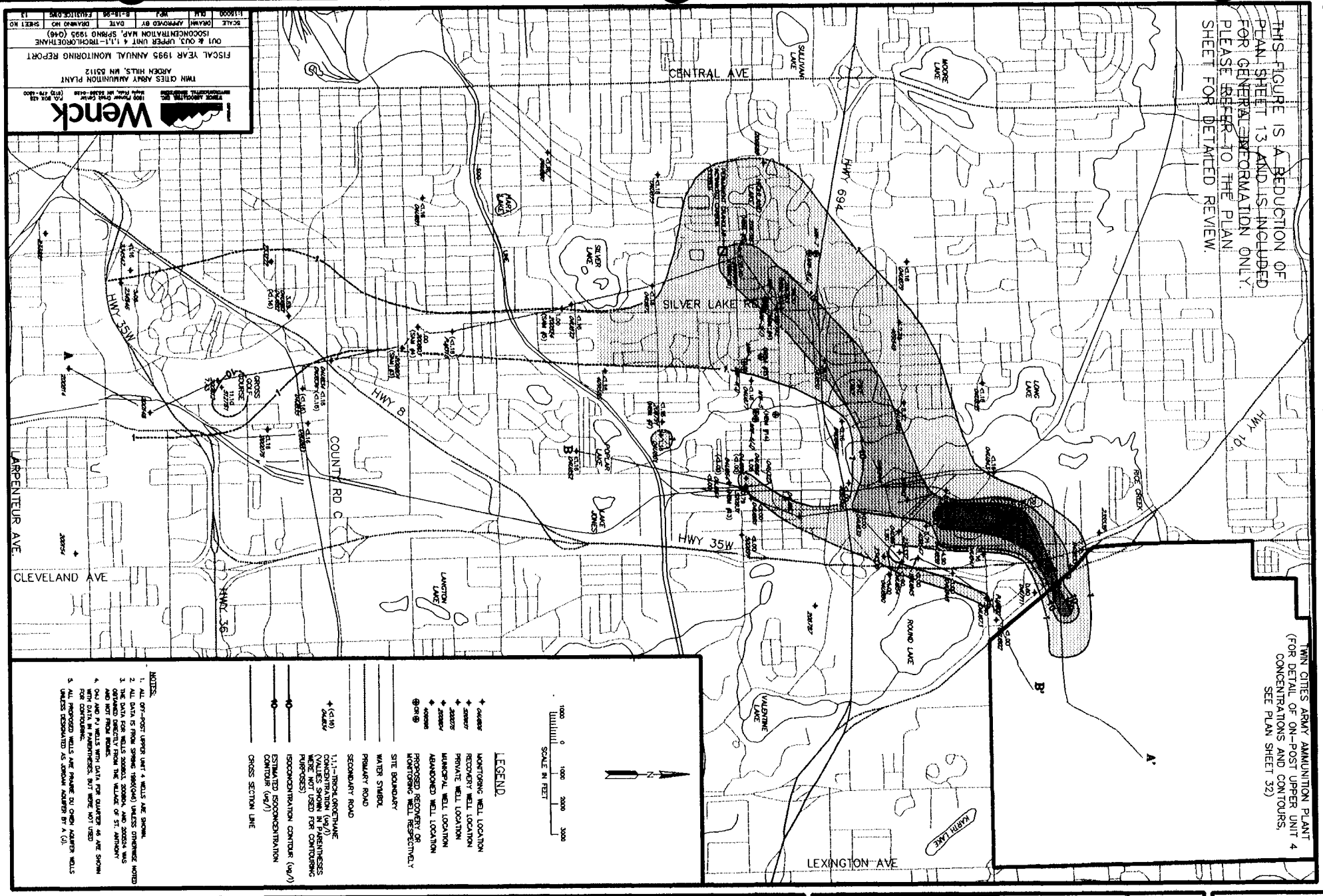
AUG 1996

Fig. III-8



TWIN CITIES ARMY AMMUNITION PLANT

OU1 & OU3, Upper Unit 4 1,1,1-Trichloroethane Isoconcentration Map, Spring 1995 (Q46)

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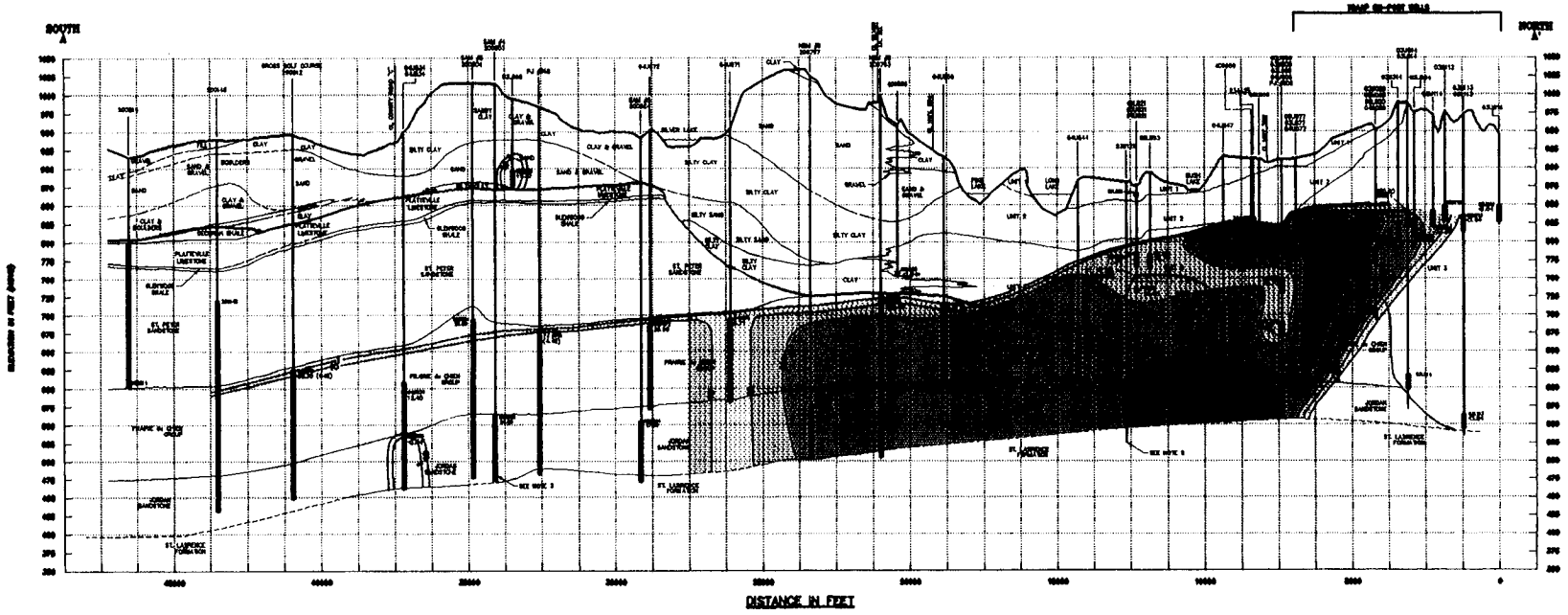
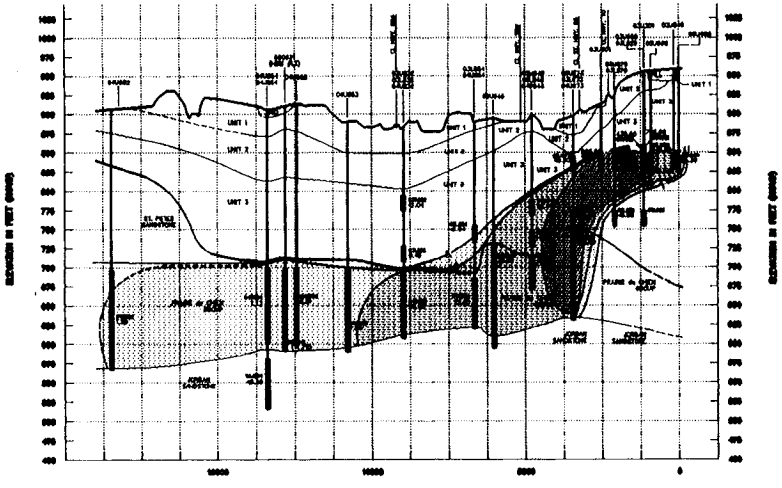
Maple Plain, MN 55359-0428

AUG 1996

Fig. III-9



CROSS SECTION A–A'



CROSS SECTION B–B'

NOTES

(1) CROSS SECTION: TOPOGRAPHY CONSTRUCTED WITH DATA FROM U.S.G.S. NEW BRIGHTON 7.5 MINUTE SERIES QUAD MAP DATED 1967 (PHOTOREVISED 1972, AND 1980); WELL LOCATIONS AND THE "LINE" OF SECTION ARE SHOWN ON SHEET NO. 4.

(2) WELL NESTS, CONSISTING OF INDIVIDUAL WELLS IN THE SAME PROXIMITY, ARE REPRESENTED ON THE CROSS SECTION BY A SINGLE LINE WITH MULTIPLE WELL SCREENS

(3) FOR SECTION A–A' NO INFORMATION WAS PROVIDED ON THE WELL LOG FOR 200803 (SAM #4) CONCERNING WELL CONSTRUCTION DETAILS, ESPECIALLY THE OPEN HOLE INTERVAL. AS THIS IS REFERRED TO AS A JORDAN WELL, THE OPEN HOLE WAS ASSUMED TO EXTEND FROM THE TOP OF THE JORDAN TO THE BOTTOM OF THE BOREHOLE.

(4) FOR SECTION B–B' NO INFORMATION WAS AVAILABLE ON THE WELL LOG FOR 030209 AND 030873 CONCERNING WELL CONSTRUCTION DETAILS, ESPECIALLY THE SCREENED INTERVALS. THE SCREENED INTERVALS FOR THESE WELLS WERE ASSUMED TO BE SIMILAR TO OTHER NEARBY UPPER UNIT 3 WELLS.

(5) WELL 238122 HAS BEEN ABANDONED, BUT IS SHOWN SINCE IT WAS USED TO PREPARE THE CROSS SECTION.

(6) ALL DATA IS FROM SPRING 1995 (Q46) UNLESS OTHERWISE NOTED.

(7) THE DATA FROM WELLS 200804 AND 200624 WERE OBTAINED DIRECTLY FROM THE VILLAGE OF ST. ANTHONY AND NOT THROUGH IRDMIS.

LEGEND

- GEOLOGIC CONTACT
- INFERRED GEOLOGIC CONTACT
- SCREENED INTERVAL OF WELL
- OPEN HOLE INTERVAL OF WELL
- TRICHLOROETHENE CONCENTRATION (ug/l) (VALUES IN PARENTHESES WERE NOT USED FOR CONTOURING PURPOSES)
- 10 ISOCONCENTRATION CONTOUR (ug/l)
- 10 ESTIMATED ISOCONCENTRATION CONTOUR (ug/l)
- RAW DATA, NOT IN IRDMIS

SCALE

VERTICAL: 1 INCH = 75 FEET

HORIZONTAL: 1 INCH = 1875 FEET

V.E. = 25X

THIS FIGURE IS A REDUCTION OF PLAN SHEET 14 AND IS INCLUDED FOR GENERAL INFORMATION ONLY. PLEASE REFER TO THE PLAN SHEET FOR DETAILED REVIEW.

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TWIN CITIES ARMY AMMUNITION PLANT
ARDEN HILLS, MN 55112

FISCAL YEAR 1995 ANNUAL MONITORING REPORT

OU1 & OU3 TRICHLOROETHENE CROSS SECTIONS A–A' AND B–B' SPRING 1995 (Q46)

SCALE	DRAWN	APPROVED BY	DATE	DRAWING NO	SHEET NO
AS SHOWN	DLM	WPJ	8-18-95	TCXSTROL.DWG	14

TWIN CITIES ARMY AMMUNITION PLANT

OU1 & OU3, Trichloroethene Cross Section A–A' and B–B', Spring 1995 (Q46)

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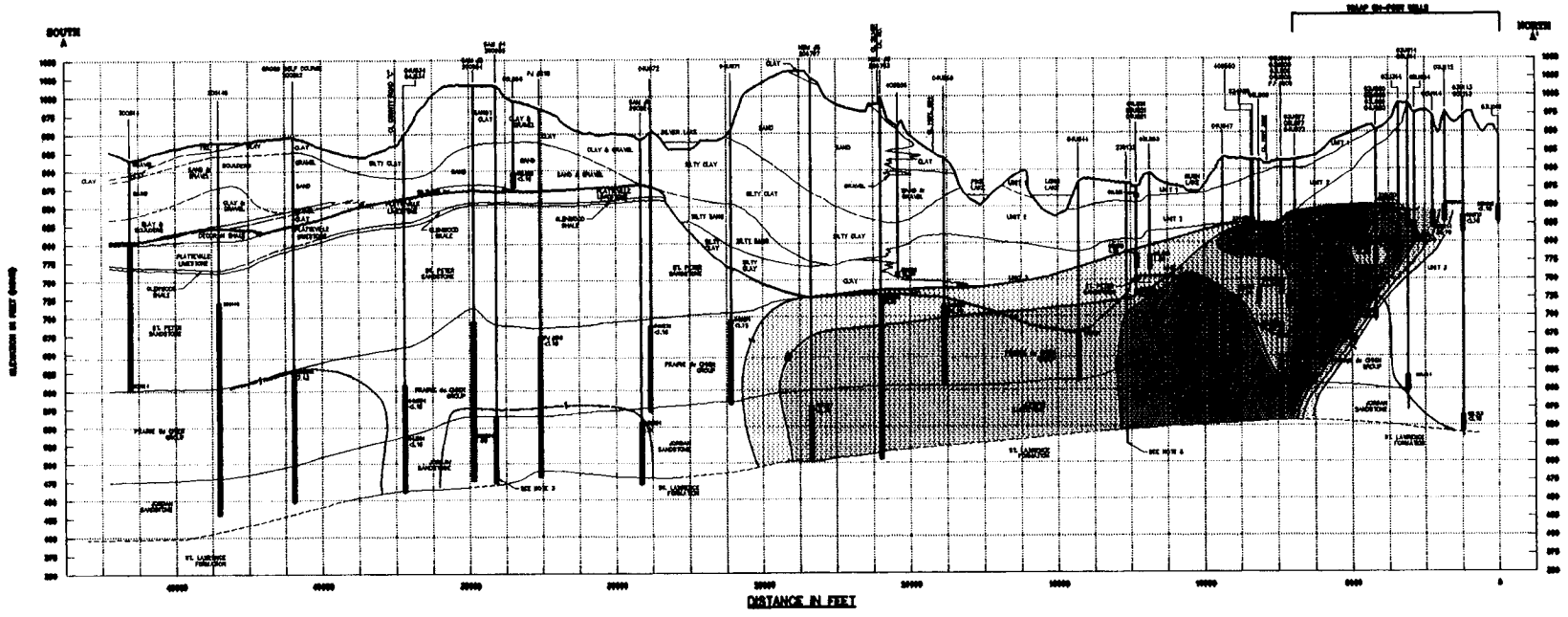
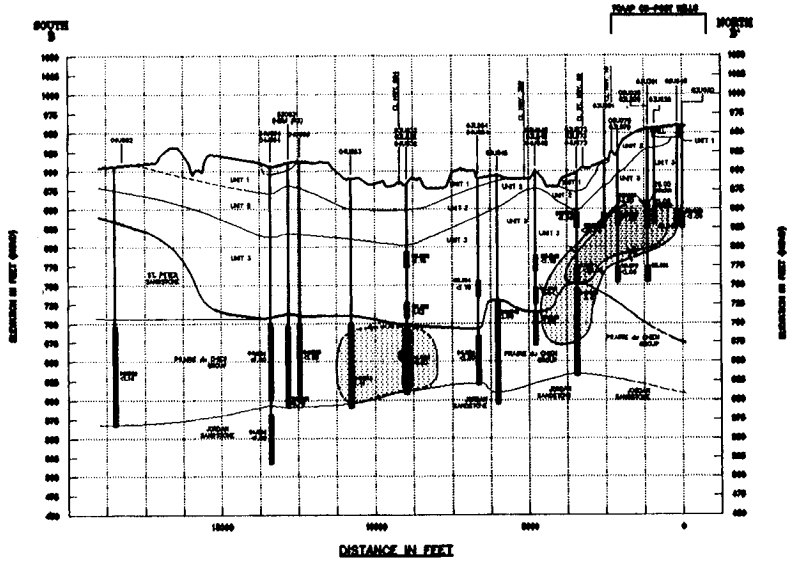
Fig. III–10



CROSS SECTION A–A'



CROSS SECTION B–B'

NOTES

(1) CROSS SECTION: TOPOGRAPHY CONSTRUCTED WITH DATA FROM U.S.G.S. NEW BRIGHTON 7.5 MINUTE SERIES QUAD MAP DATED 1967 (PHOTOREVISED 1972, AND 1980); WELL LOCATIONS AND THE "LINE" OF SECTION ARE SHOWN ON SHEET NO. 4.

(2) WELL NESTS, CONSISTING OF INDIVIDUAL WELLS IN THE SAME PROXIMITY, ARE REPRESENTED ON THE CROSS SECTION BY A SINGLE LINE WITH MULTIPLE WELL SCREENS

(3) FOR SECTION A–A' NO INFORMATION WAS PROVIDED ON THE WELL LOG FOR 200803 (SAW #4) CONCERNING WELL CONSTRUCTION DETAILS, ESPECIALLY THE OPEN HOLE INTERVAL. AS THIS IS REFERRED TO AS A JORDAN WELL, THE OPEN HOLE WAS ASSUMED TO EXTEND FROM THE TOP OF THE JORDAN TO THE BOTTOM OF THE BOREHOLE.

(4) FOR SECTION B–B' NO INFORMATION WAS AVAILABLE ON THE WELL LOG FOR 03U029 AND 03U673 CONCERNING WELL CONSTRUCTION DETAILS, ESPECIALLY THE SCREENED INTERVALS. THE SCREENED INTERVALS FOR THESE WELLS WERE ASSUMED TO BE SIMILAR TO OTHER NEARBY UPPER UNIT 3 WELLS.

(5) WELL 23012Z HAS BEEN ABANDONED, BUT IS SHOWN SINCE IT WAS USED TO PREPARE CROSS SECTION A–A'.

(6) ALL DATA IS FROM SPRING 1996 (Q46) UNLESS OTHERWISE NOTED.

(7) WELLS 03U801 AND 03U673 WERE CONTOURED BASED ON THEIR HISTORICAL ANALYTICAL RESULTS.

(8) THE DATA FROM WELLS 200804, AND 200624 WERE OBTAINED DIRECTLY FROM THE VILLAGE OF ST. ANTHONY AND NOT THROUGH IRDMS.

LEGEND

- GEOLOGIC CONTACT
- INFERRED GEOLOGIC CONTACT
- SCREENED INTERVAL OF WELL
- OPEN HOLE INTERVAL OF WELL
- 1,1,1-TRICHLOROETHANE CONCENTRATION (ug/l) (VALUES IN PARENTHESES WERE NOT USED FOR CONTOURING PURPOSES)
- 10 ISOCONCENTRATION CONTOUR (ug/l)
- 10 ESTIMATED ISOCONCENTRATION CONTOUR (ug/l)
- RAW DATA, NOT IN IRDMS

THIS FIGURE IS A REDUCTION OF PLAN SHEET 15 AND IS INCLUDED FOR GENERAL INFORMATION ONLY. PLEASE REFER TO THE PLAN SHEET FOR DETAILED REVIEW.

SCALE

VERTICAL: 1 INCH = 75 FEET

HORIZONTAL: 1 INCH = 1875 FEET

V.E. = 25X

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ARDEN HILLS, MN 55112

FISCAL YEAR 1995 ANNUAL MONITORING REPORT

OU1 & OU3 1,1,1-TRICHLOROETHANE CROSS SECTIONS A–A' AND B–B' SPRING 1995 (Q46)

SCALE	DRAWN	APPROVED BY	DATE	DRAWING NO	SHEET NO
AS SHOWN	DLM	WPJ	8-16-96	TCKSTOF.DWG	15

TWIN CITIES ARMY AMMUNITION PLANT

OU1 & OU3, 1,1,1-Trichloroethane Cross Sections A–A' and B–B', Spring 1995 (Q46)

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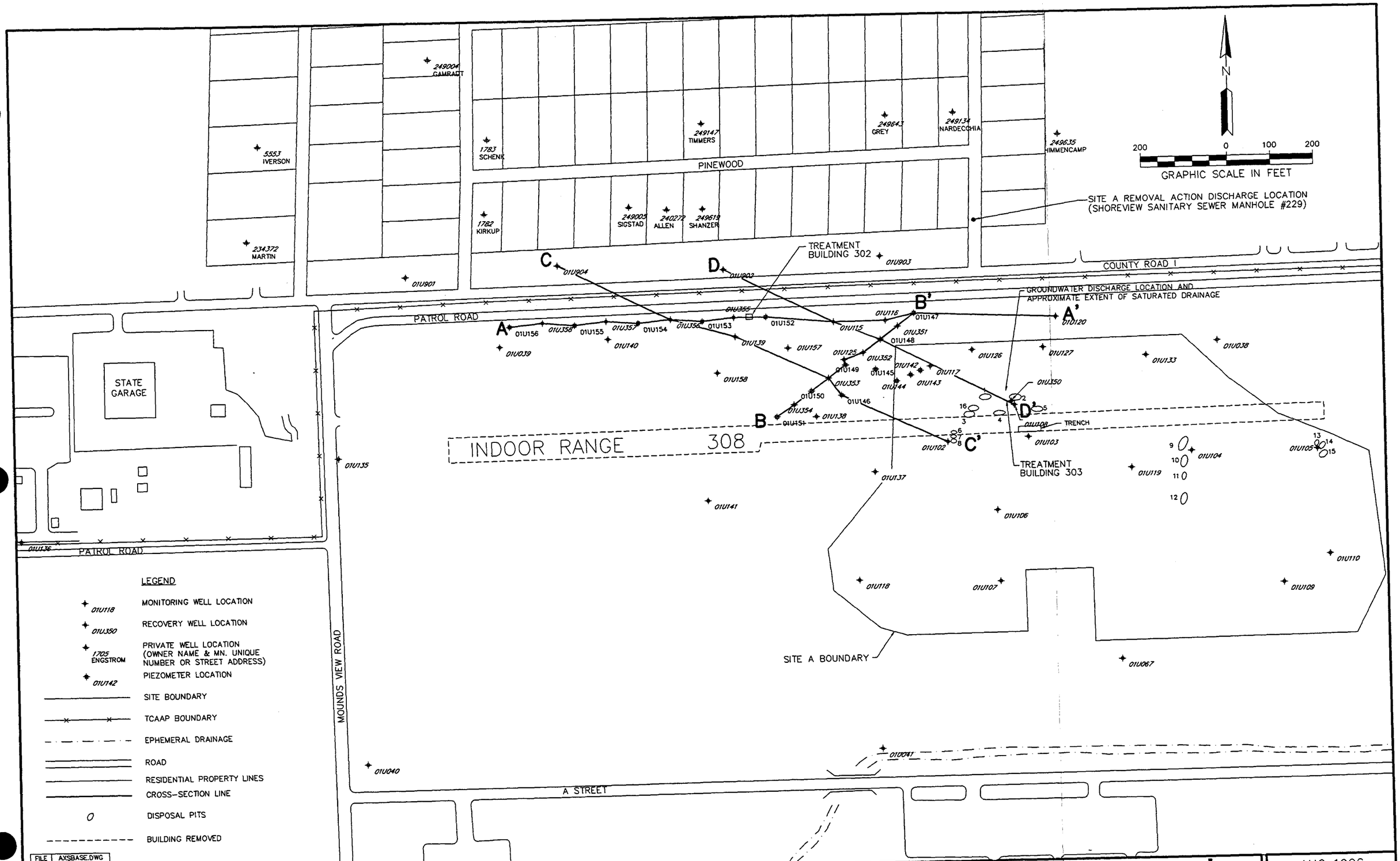
Fig. III–11



TWIN CITIES ARMY AMMUNITION PLANT

Site A Cross-Section Location Map

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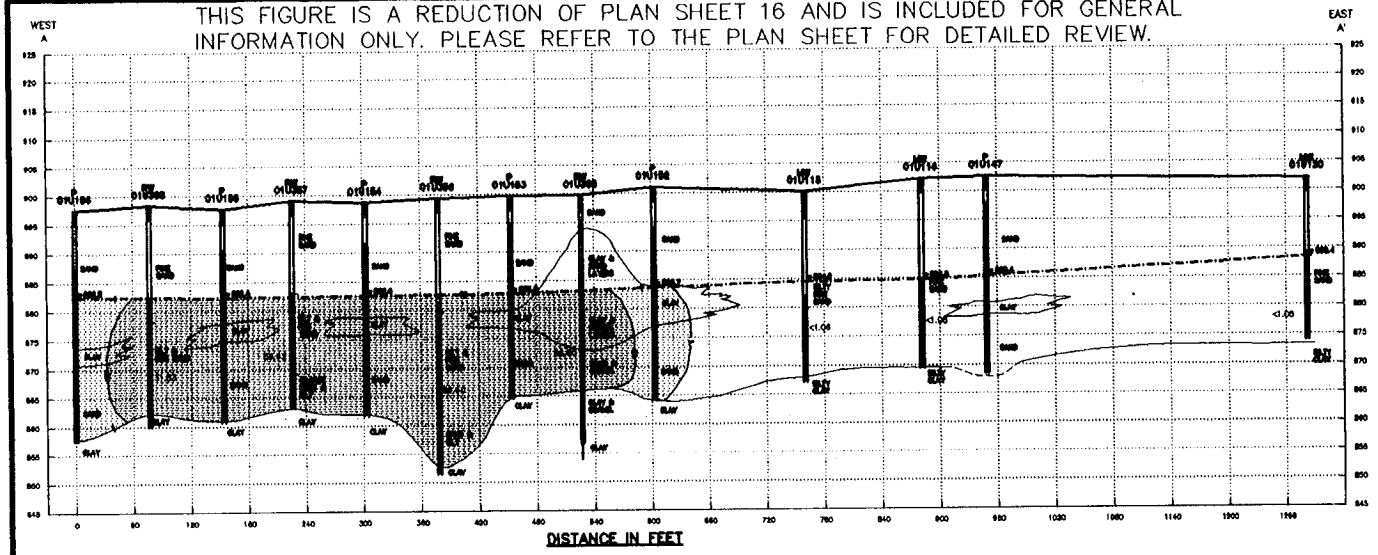
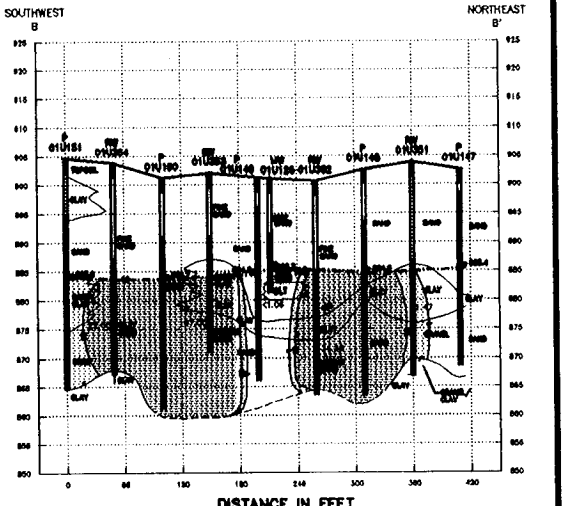
Figure No. IV-1

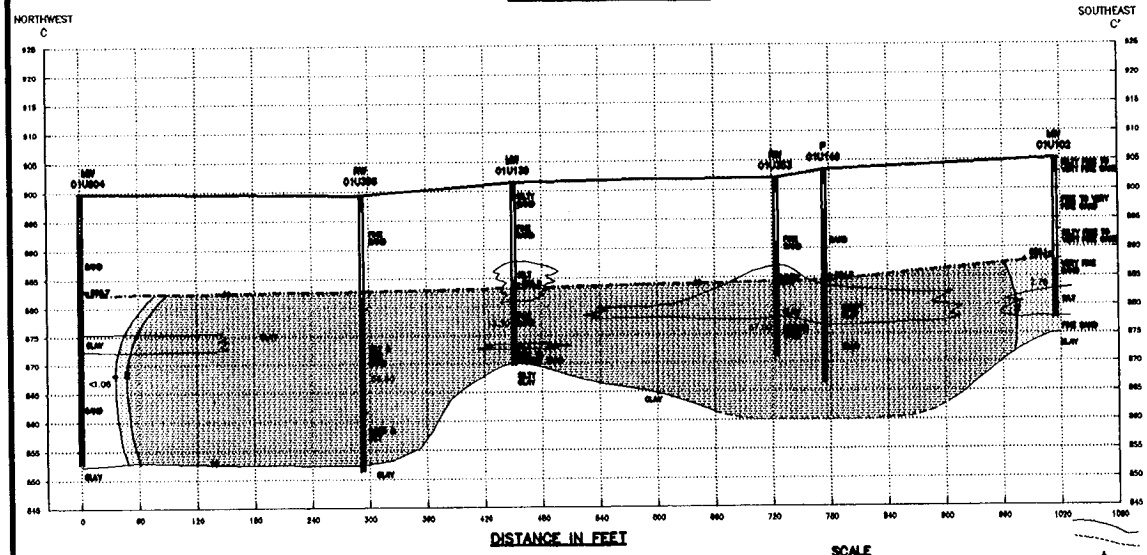
THIS FIGURE IS A REDUCTION OF PLAN SHEET 16 AND IS INCLUDED FOR GENERAL INFORMATION ONLY. PLEASE REFER TO THE PLAN SHEET FOR DETAILED REVIEW.



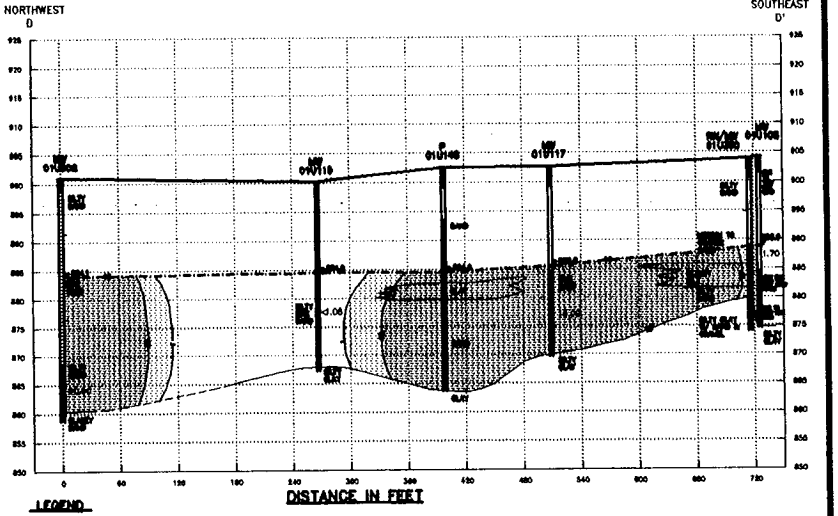
CROSS SECTION A–A'



CROSS SECTION B–B'



CROSS SECTION C–C'



CROSS SECTION D–D'

NOTE:

1. ALL WATER LEVEL AND QUALITY DATA IS FROM QTR. 46
2. WELL 01U350 WAS USED AS A RECOVERY WELL UNTIL JUNE 1994 WHEN THE PUMP WAS REMOVED AND THE WELL BEGAN BEING USED AS A MONITORING WELL.
3. DATA ON RECOVERY WELLS AND PIEZOMETERS WAS GENERATED BY DAHL AND ASSOCIATES, INC. AS PART OF THE SITE A REMOVAL ACTION SYSTEM CONSTRUCTION. DATA ON MONITORING WELLS PROVIDED BY FEDERAL CARTRIDGE COMPANY.
4. WATER QUALITY SAMPLES COLLECTED FROM RECOVERY WELLS ARE RECOGNIZED TO BE DILUTED AND ARE NOT MEANT TO REPRESENT ABSOLUTE CONCENTRATIONS.

SCALE

VERTICAL:
1 INCH = 10 FEET

HORIZONTAL:
1 INCH = 60 FEET

V.E. = 6X

LEGEND

- GEOLOGIC CONTACT
- INFERRED GEOLOGIC CONTACT
- SCREENED INTERVAL OF WELL
- PUMP LOCATION
- 1,2-DICHLOROETHENE CONCENTRATION (ug/l) (VALUES IN PARENTHESES WERE NOT USED FOR CONTOURING PURPOSES)
- ISOCONCENTRATION CONTOUR (ug/l)
- WATER LEVEL SURFACE
- SLIGHT CHANGE IN GEOLOGIC UNIT (MARK LOCATED ALONG WELL STAFF)
- MONITORING WELL
- RECOVERY WELL
- PIEZOMETER

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ARDEN HILLS, MN 55112

FISCAL YEAR 1995 ANNUAL MONITORING REPORT

SITE A, 1,2-DICHLOROETHENE CROSS SECTIONS
A–A', B–B', C–C', D–D', SPRING 1995 (Q46)

SCALE	DRAWN	APPROVED BY	DATE	DRAWING NO	SHEET NO
1:720	DLM	WEJ	8-18-95	TCAX0184.DWG	16

TWIN CITIES ARMY AMMUNITION PLANT

Site A, 1,2–Dichloroethene Cross Sections A–A', B–B', C–C', D–D', Spring 1995 (Q46)

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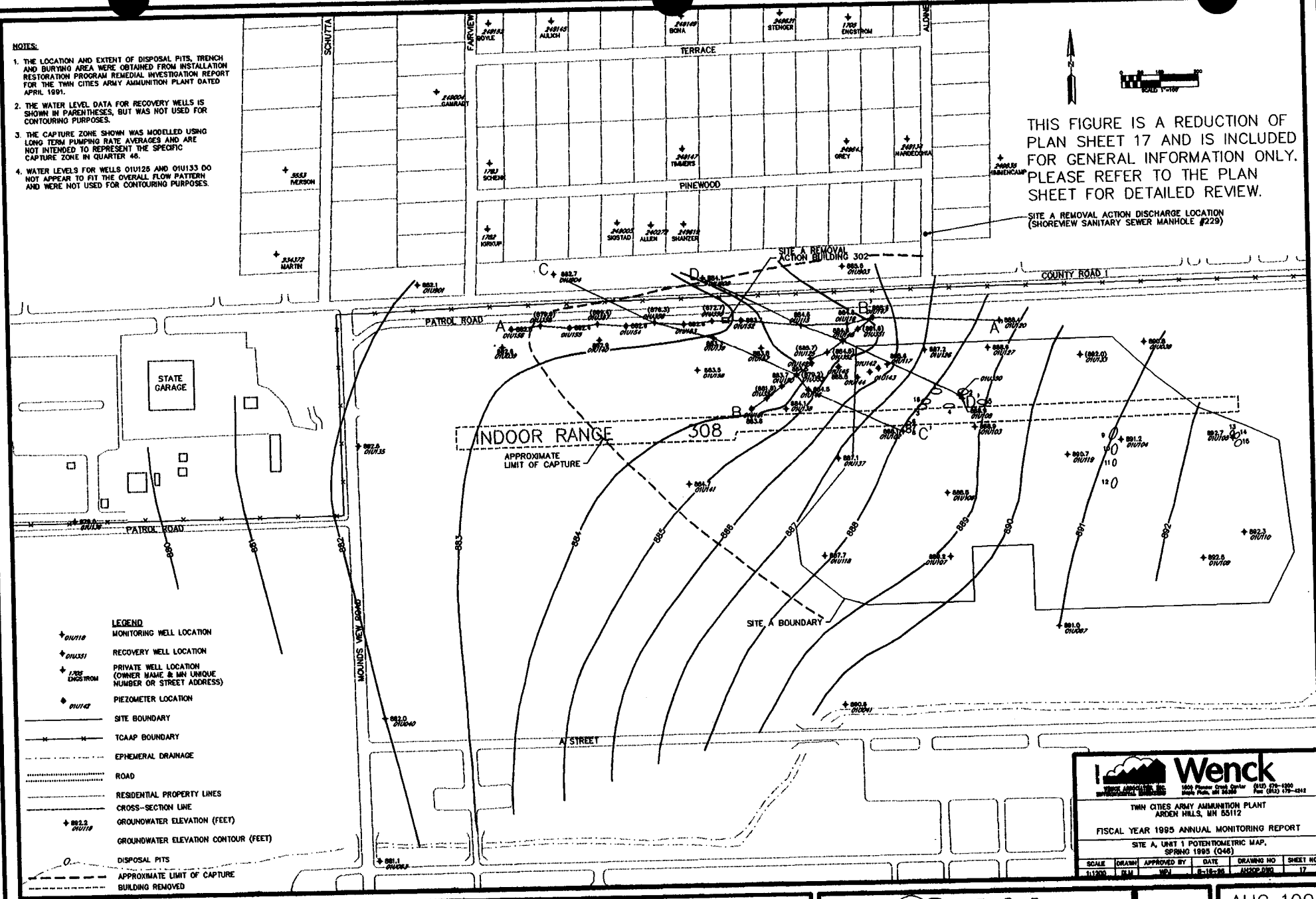
Fig IV–2



TWIN CITIES ARMY AMMUNITION PLANT

Site A, Unit 1 Potentiometric Map, Spring 1995 (Q46)

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Fig. IV-3

SITE A, UNIT 1 GROUNDWATER HYDROGRAPHS: MONITORING WELLS

TWIN CITIES ARMY AMMUNITION PLANT

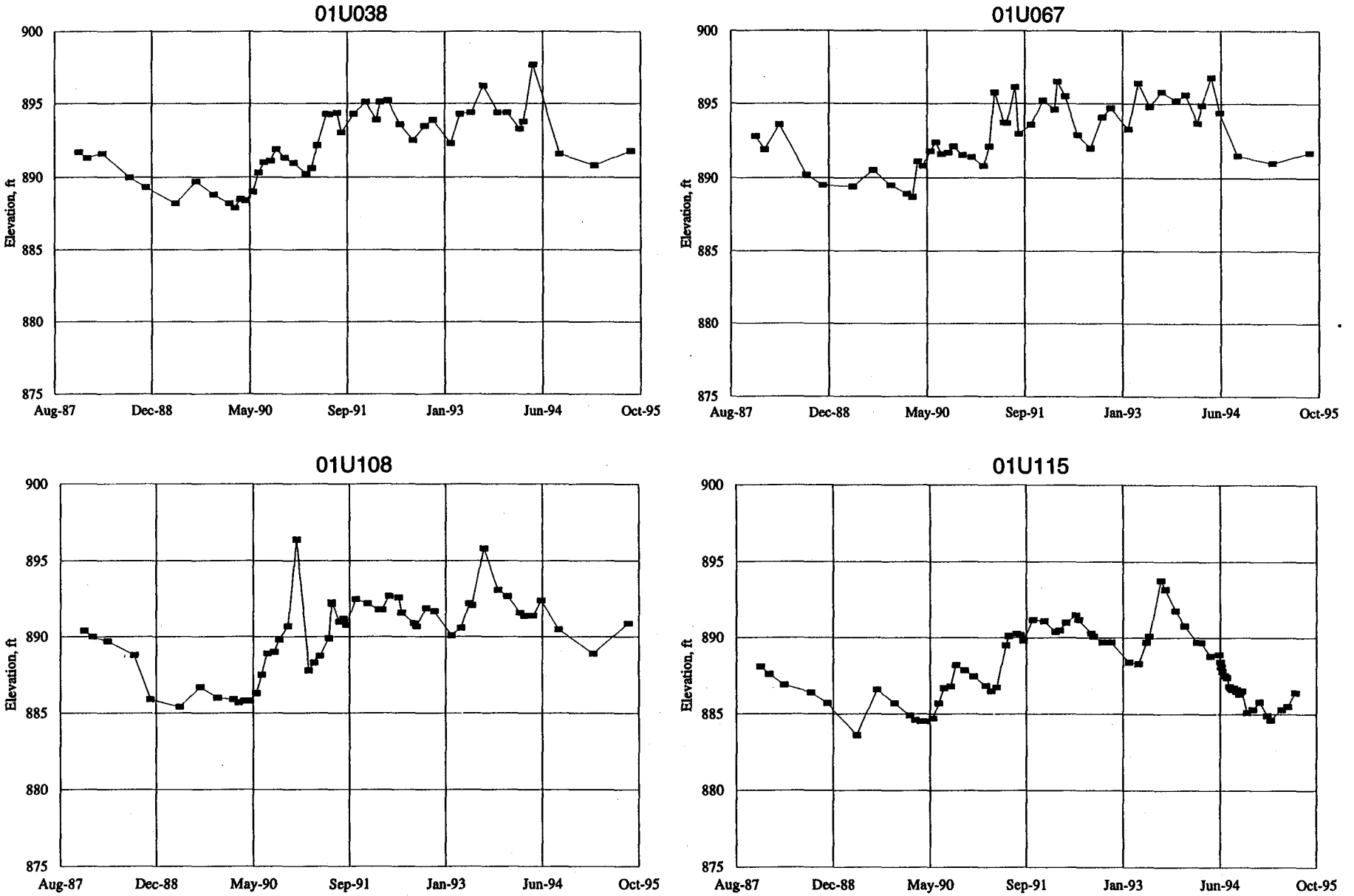
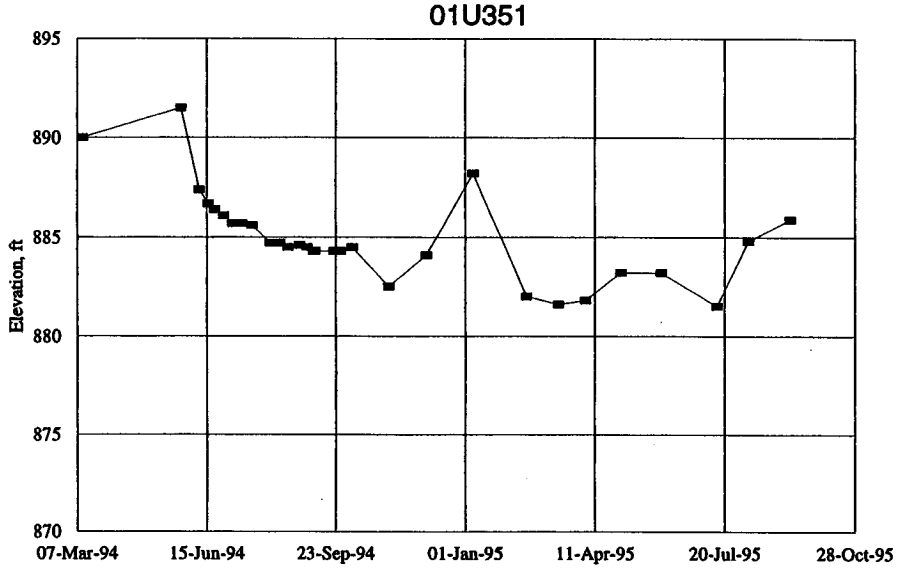
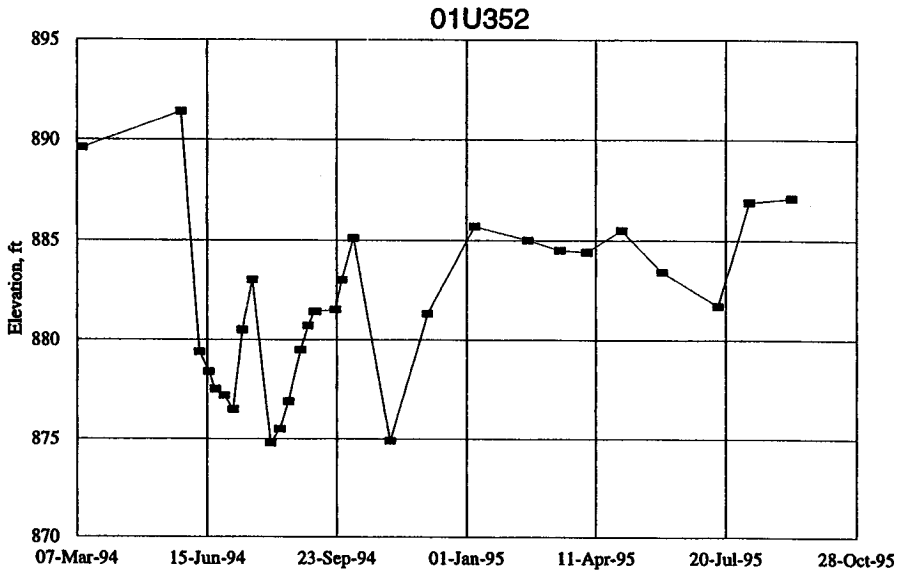


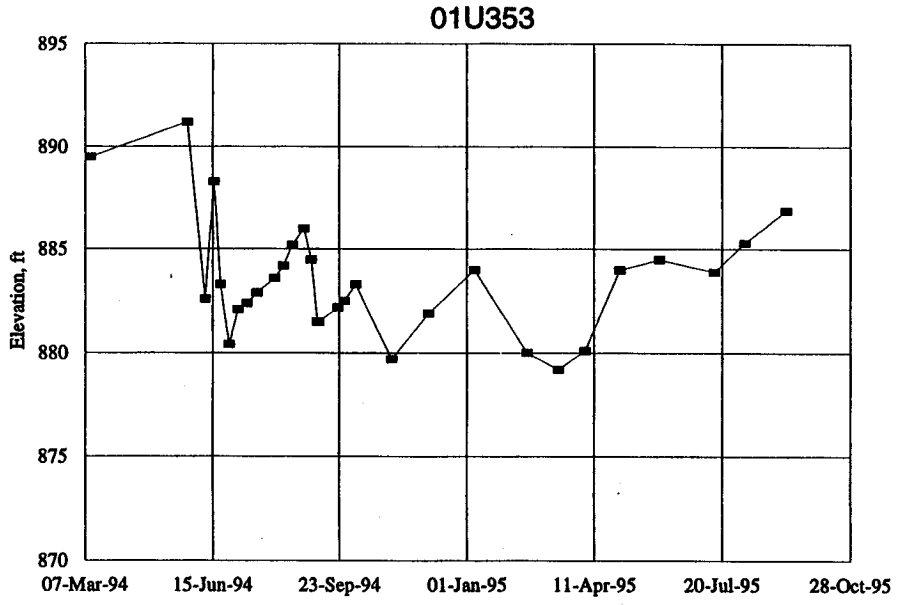
Figure IV-4
Wenck Associates, Inc.

SITE A, UNIT 1 GROUNDWATER HYDROGRAPHS: RECOVERY WELLS

TWIN CITIES ARMY AMMUNITION PLANT







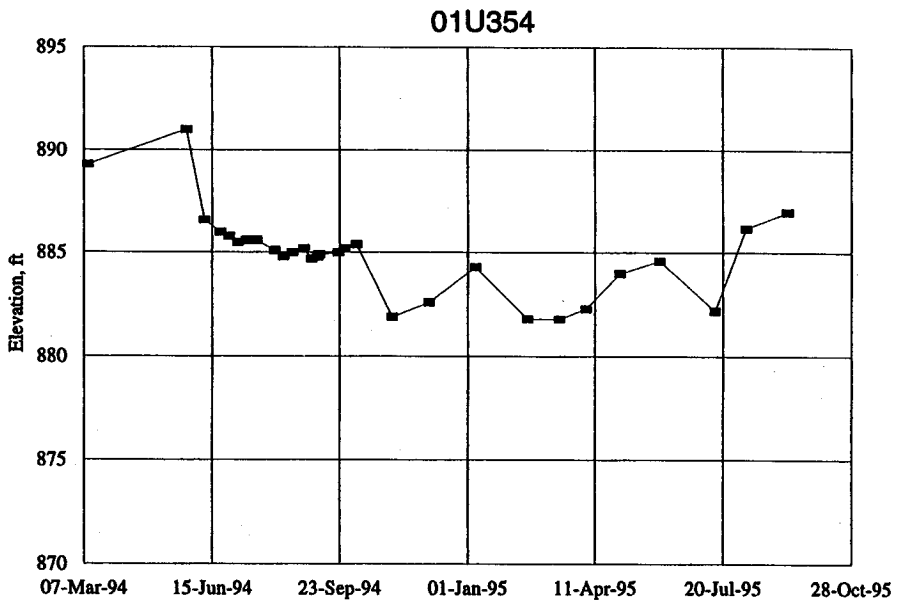


Figure IV-5
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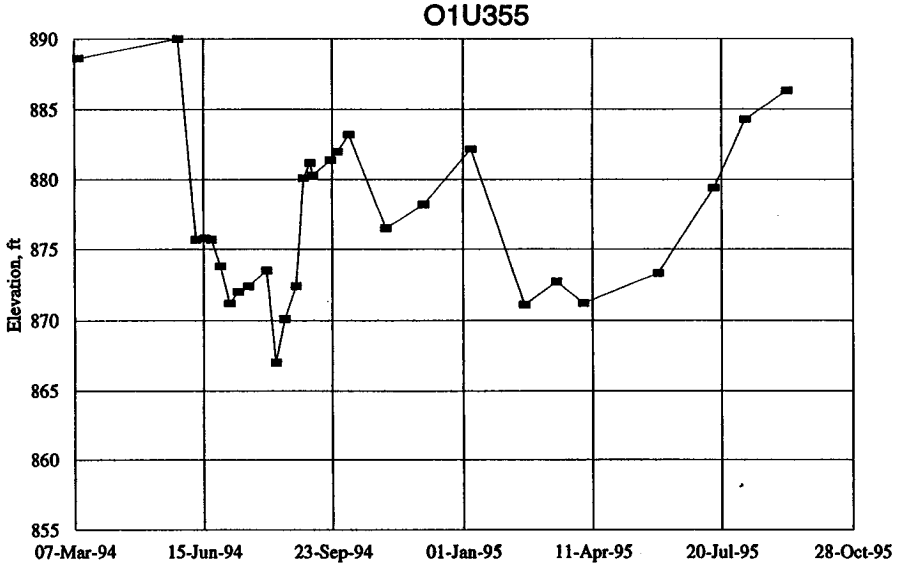
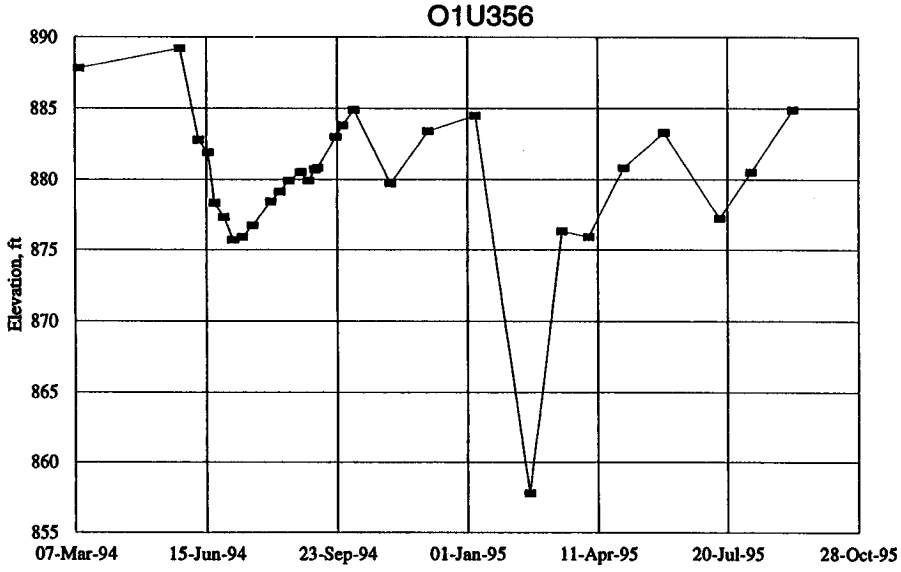
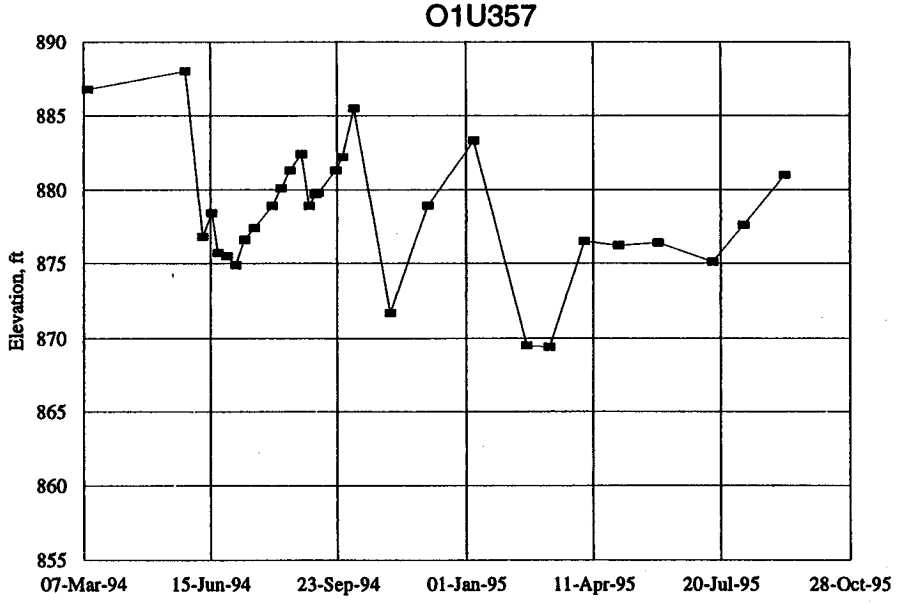
SITE A, UNIT 1 GROUNDWATER HYDROGRAPHS: RECOVERY WELLS

TWIN CITIES ARMY AMMUNITION PLANT







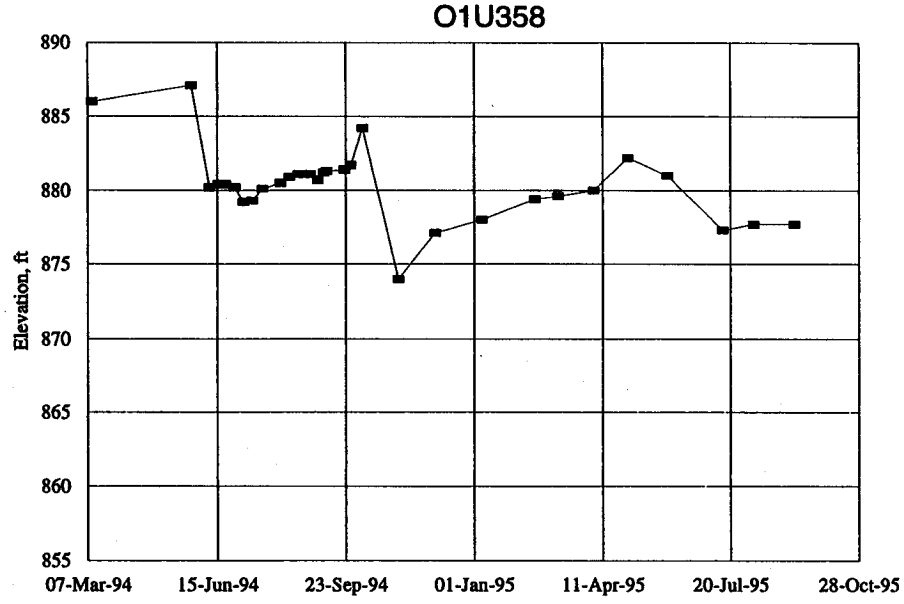


Figure IV-6
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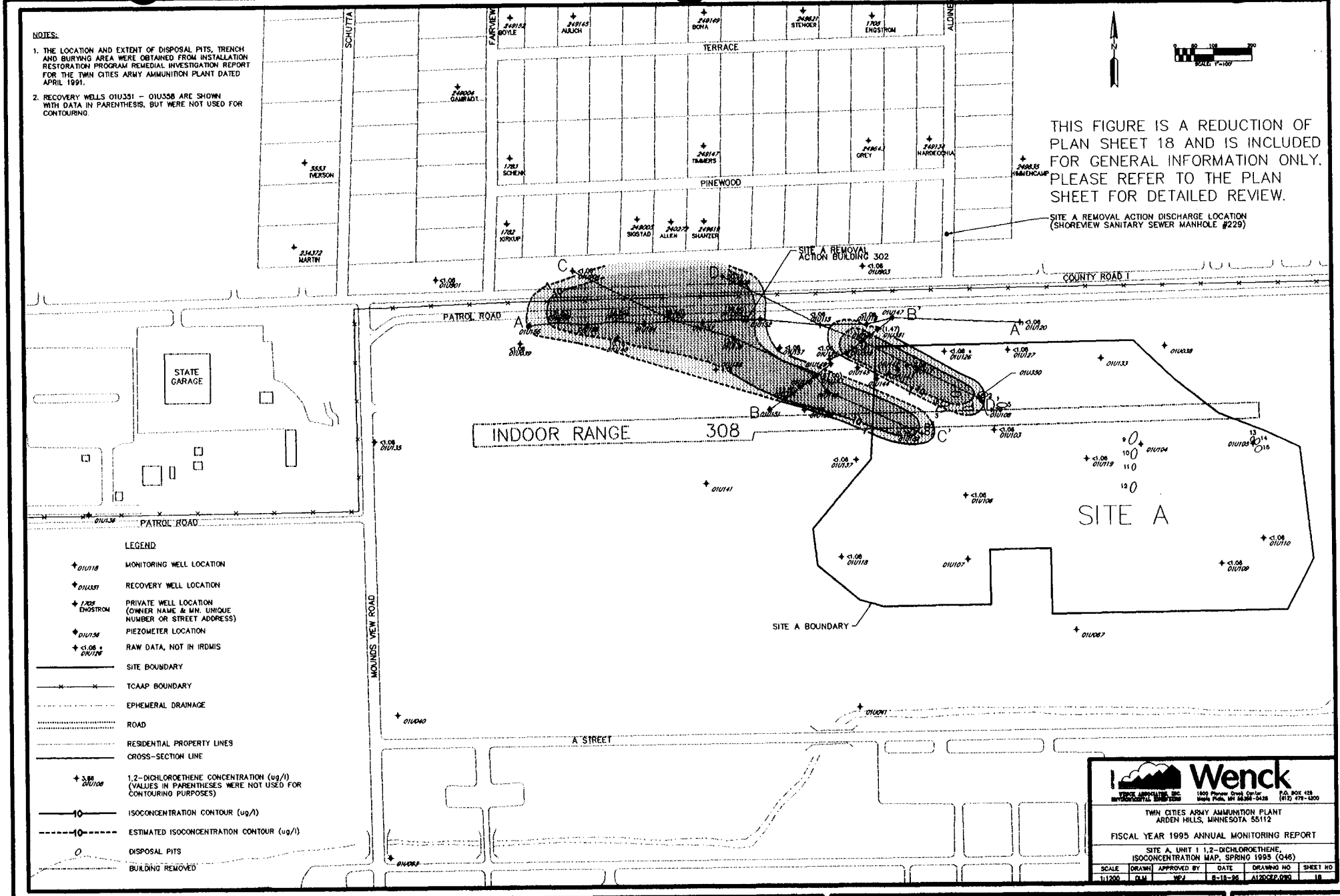

TWIN CITIES ARMY AMMUNITION PLANT

Site A, Unit 1 1,2-Dichloroethene Isoconcentration Map, Spring 1995 (Q46)

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Fig. IV-7

NOTES:

1. THE LOCATION AND EXTENT OF DISPOSAL PITS, TRENCH AND BURYING AREA WERE OBTAINED FROM INSTALLATION RESTORATION PROGRAM REMEDIAL INVESTIGATION REPORT FOR THE TWIN CITIES ARMY AMMUNITION PLANT DATED APRIL 1991.
2. RECOVERY WELLS 01U351 – 01U358 ARE SHOWN WITH DATA IN PARENTHESES, BUT WERE NOT USED FOR CONTOURING.

FY 1994

THIS FIGURE IS A REDUCTION OF PLAN SHEET 21 AND IS INCLUDED FOR GENERAL INFORMATION ONLY. PLEASE REFER TO THE PLAN SHEET FOR DETAILED REVIEW.

SITE A REMOVAL ACTION DISCHARGE LOCATION (SHOREVIEW SANITARY SEWER MANHOLE #229)

GROUNDWATER DISCHARGE LOCATION AND APPROXIMATE EXTENT OF SATURATED DRAINAGE

SCHUTTA | FAIRVIEW | ALDINE | TERRACE | PINEWOOD | COUNTY ROAD I | PATROL ROAD | A STREET | MOUNDS VIEW ROAD

BUILDING 302 | TREATMENT BUILDING 303 | INDOOR RANGE 308 | STATE GARAGE | TRENCH

SITE A BOUNDARY

LEGEND

- MONITORING WELL LOCATION
- RECOVERY WELL LOCATION
- PRIVATE WELL LOCATION (OWNER NAME & MN UNIQUE NUMBER OR STREET ADDRESS)
- PIEZOMETER LOCATION
- RAW DATA, NOT IN IRDMIS
- SITE BOUNDARY
- TCAAP BOUNDARY
- EPHEMERAL DRAINAGE
- ROAD
- RESIDENTIAL PROPERTY LINES
- CROSS-SECTION LINE
- TRICHLOROETHENE CONCENTRATION (ug/l) (VALUES IN PARENTHESES WERE NOT USED FOR CONTOURING PURPOSES)
- ISOCONCENTRATION CONTOUR (ug/l)
- ESTIMATED ISOCONCENTRATION CONTOUR (ug/l)
- DISPOSAL PITS
- BUILDING REMOVED

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TWIN CITIES ARMY AMMUNITION PLANT
ARDEN HILLS, MN 55112

FISCAL YEAR 1995 ANNUAL MONITORING REPORT

SITE A, UNIT 1 TRICHLOROETHENE ISOCONCENTRATION MAP, SPRING 1995 (Q46)

SCALE	DRAWN	APPROVED BY	DATE	DRAWING NO	SHEET NO
1:1200	DLM	WPJ	8-18-95	ATRCLEP.DWG	19

TWIN CITIES ARMY AMMUNITION PLANT

Site A, Unit 1 Trichloroethene Isoconcentration Map, Spring 1995 (Q46)

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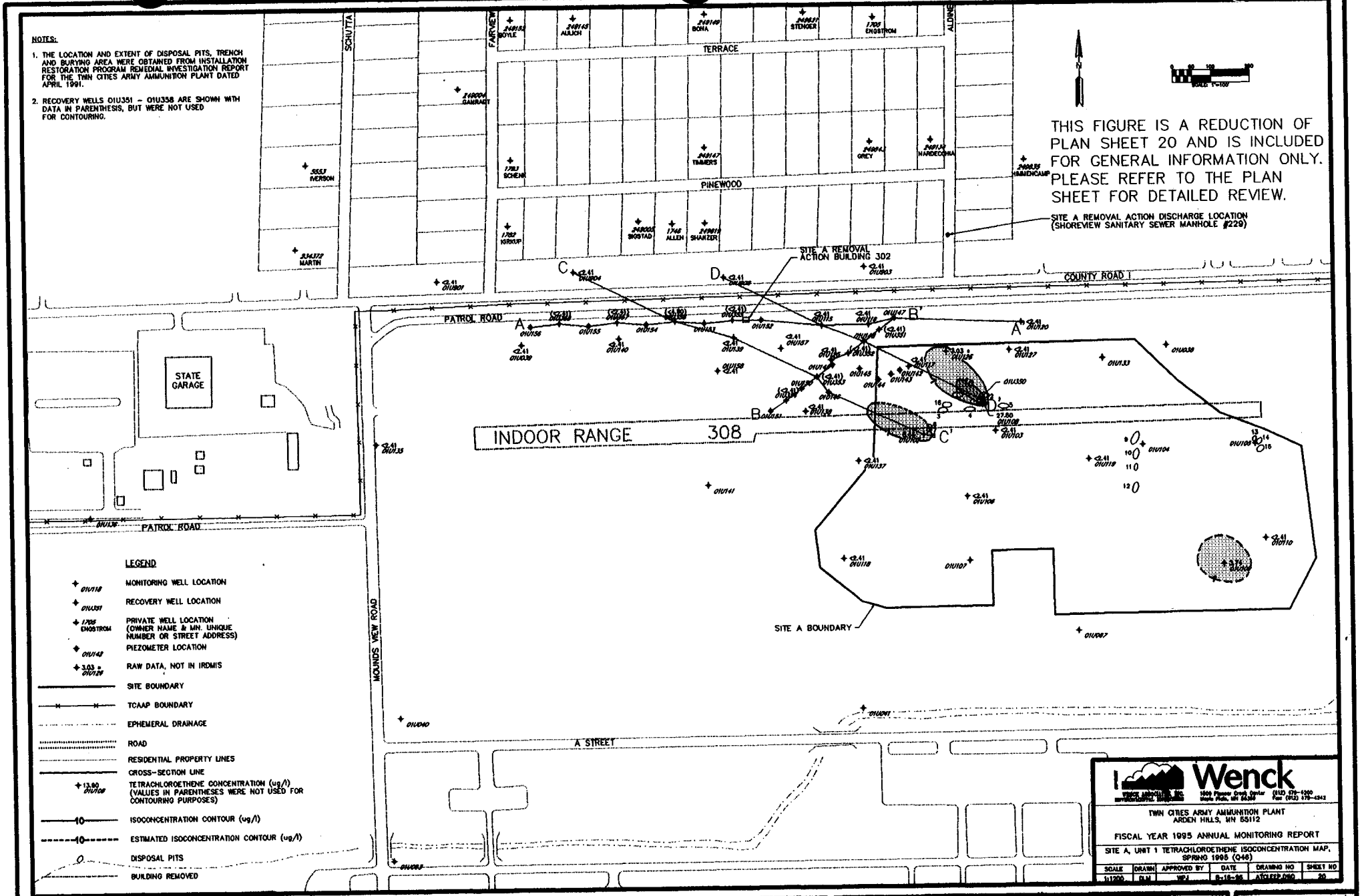
Fig. IV-8



TWIN CITIES ARMY AMMUNTION PLANT

Site A, Unit 1 Tetrachloroethene Isoconcentration Map, Spring 1995 (Q46)

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Fig. IV–9

SITE A, 1,2-DICHLOROETHENE WATER QUALITY TRENDS: RECOVERY WELLS

TWIN CITIES ARMY AMMUNITION PLANT

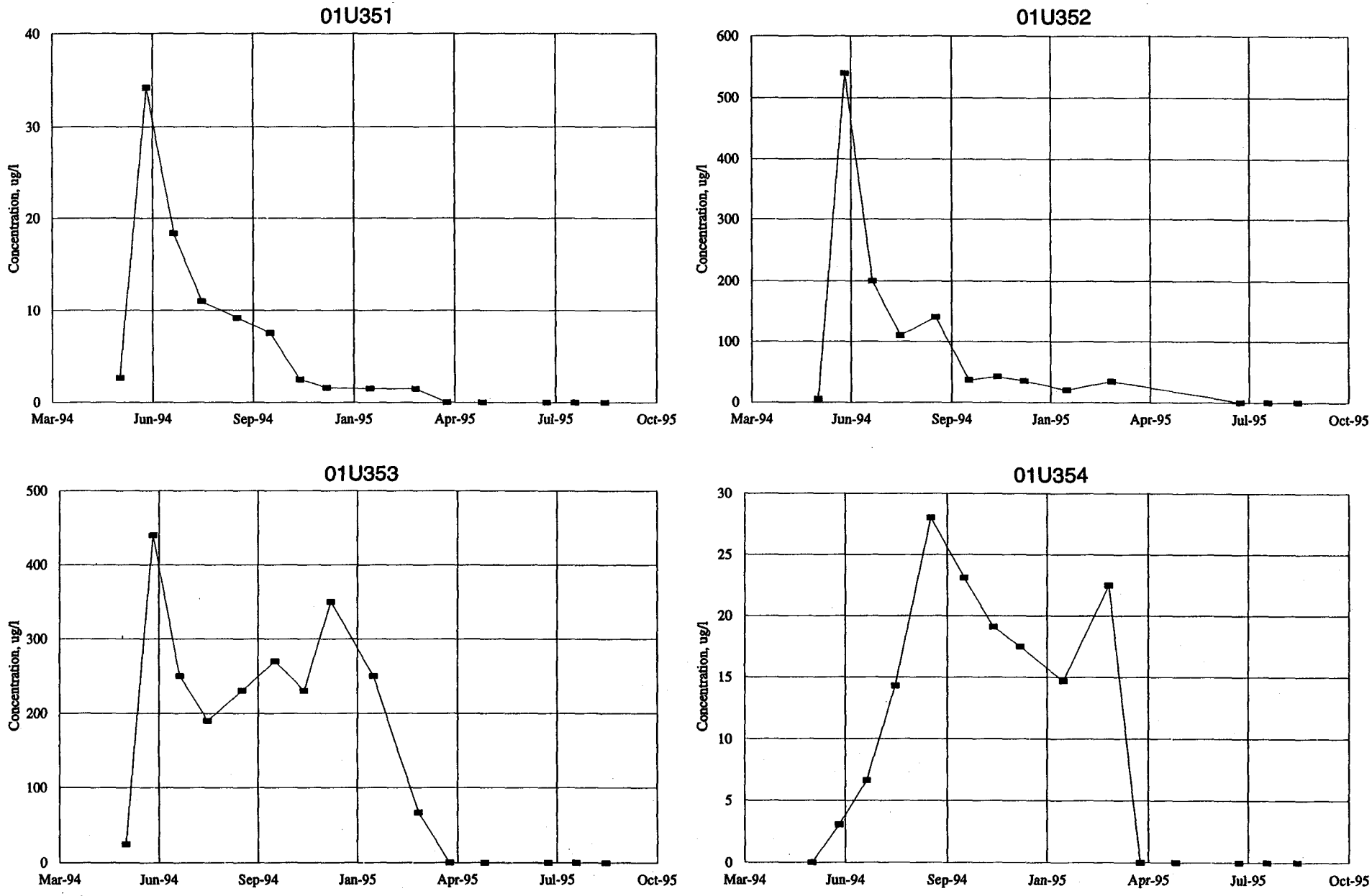

Figure IV-10
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SITE A, 1,2-DICHLOROETHENE WATER QUALITY TRENDS: RECOVERY WELLS

TWIN CITIES ARMY AMMUNITION PLANT

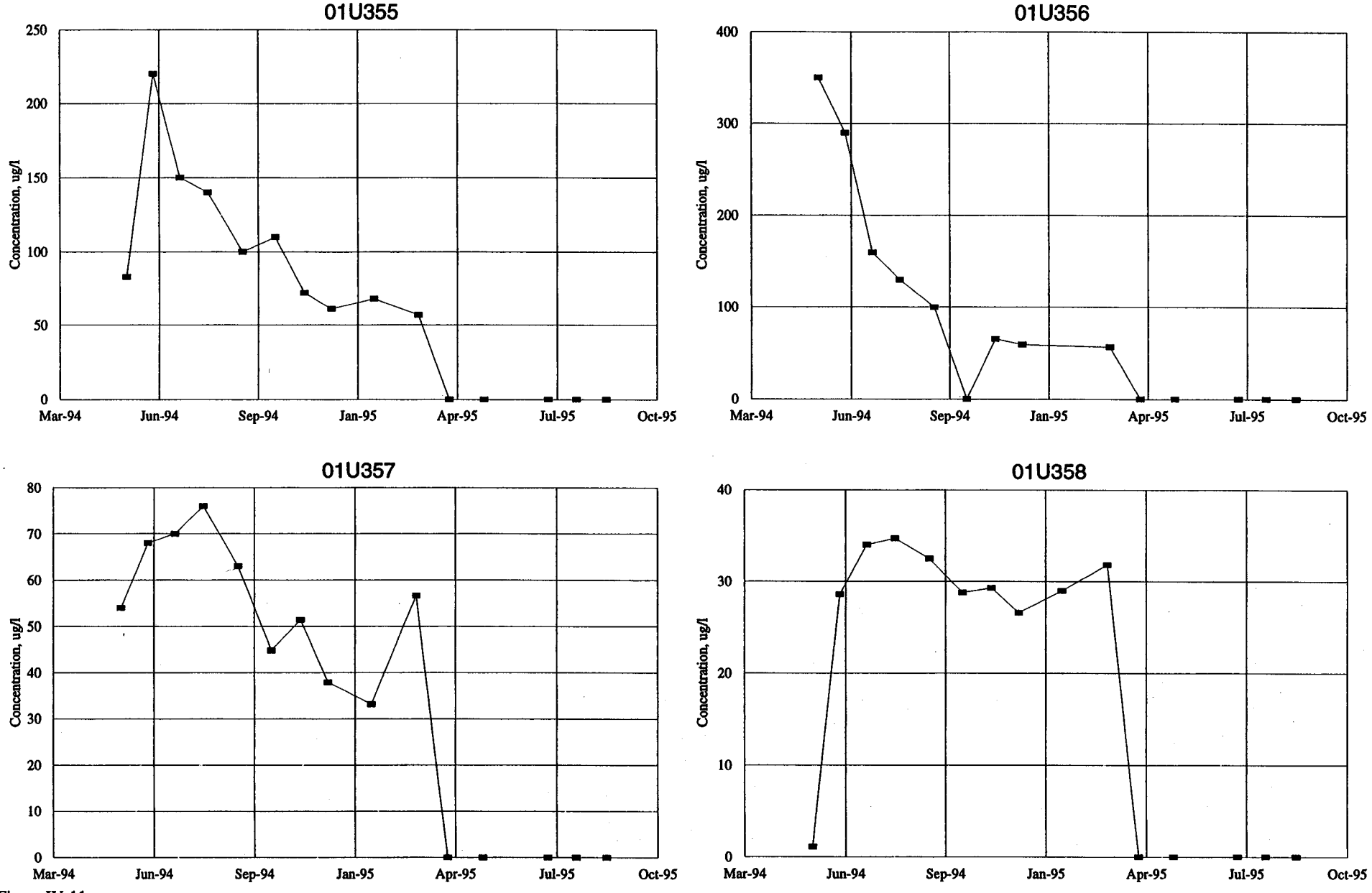


Figure IV-11
Wenck Associates, Inc.

SITE A, 1,2-DICHLOROETHENE WATER QUALITY TRENDS: MONITORING WELLS

TWIN CITIES ARMY AMMUNITION PLANT

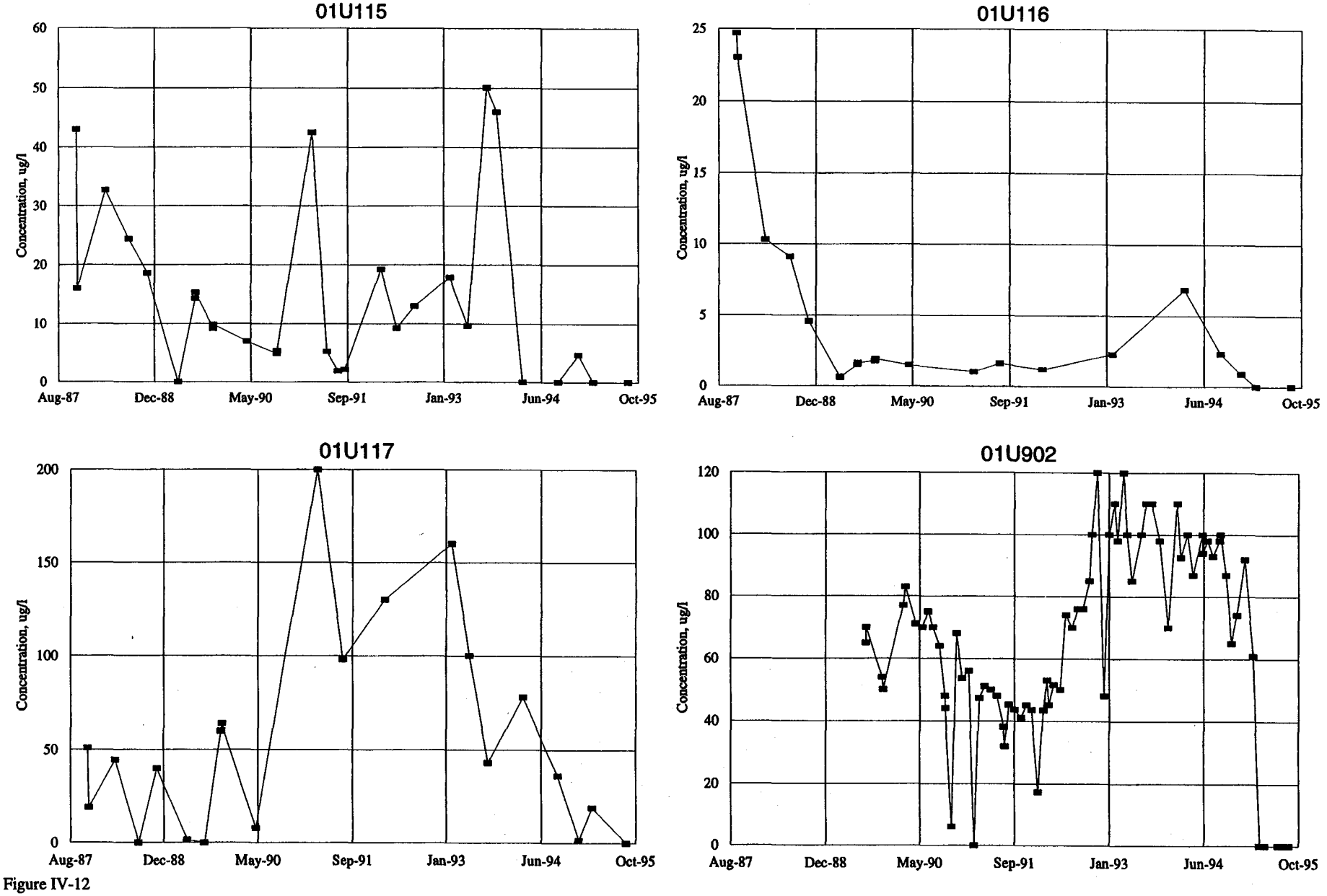
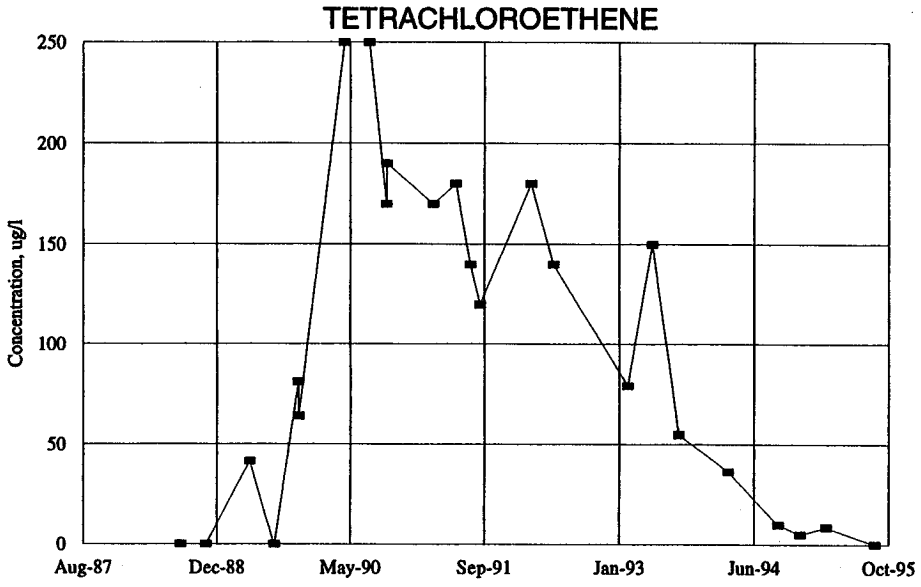
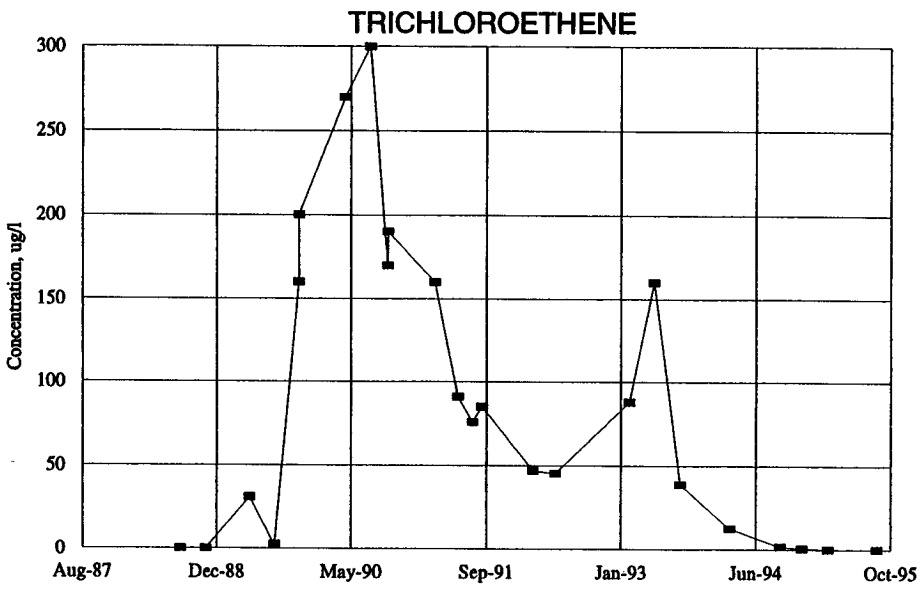


Figure IV-12
Wenck Associates, Inc.

SITE A, WELL 01U102, TETRACHLOROETHENE, TRICHLORETHENE, 1,2-DICHLOROETHENE WATER QUALITY TRENDS

TWIN CITIES ARMY AMMUNITION PLANT





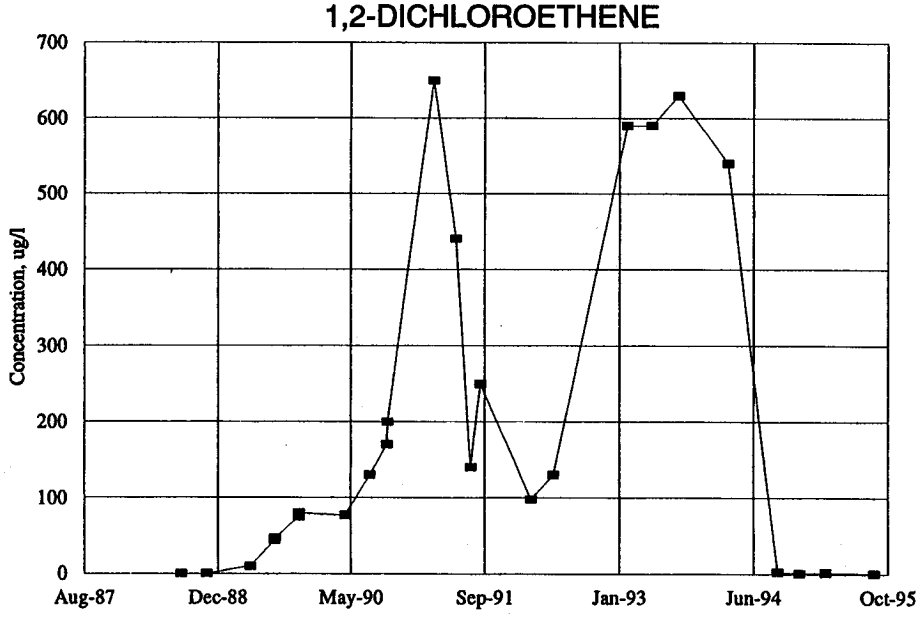


Figure IV-13
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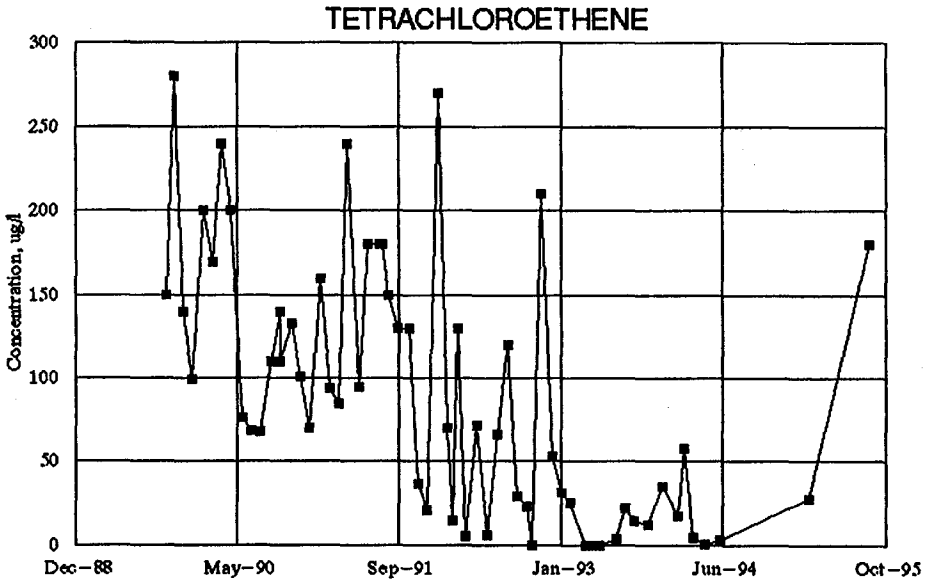
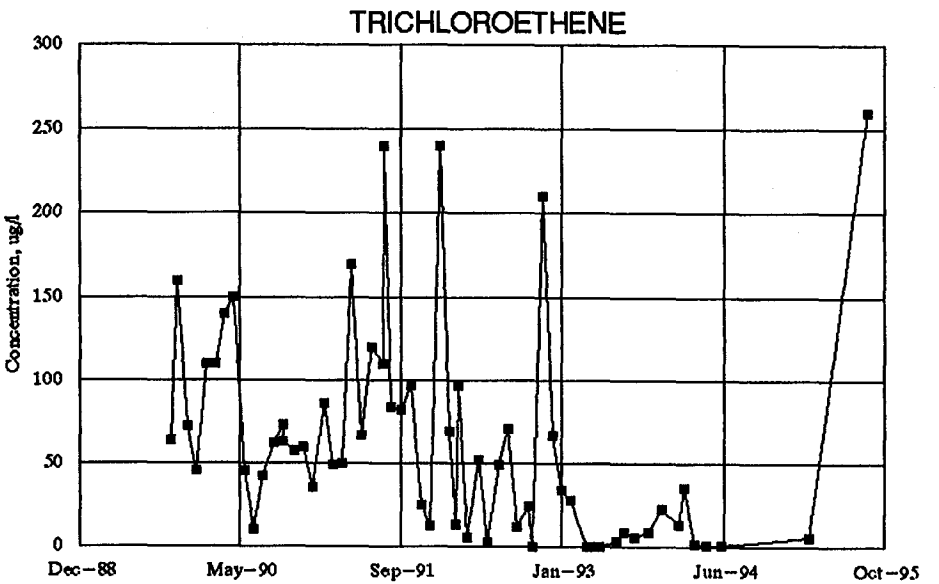
SITE A, WELL 01U108, TETRACHLOROETHENE, TRICHLOROETHENE, 1,2-DICHLOROETHENE WATER QUALITY TRENDS

TWIN CITIES ARMY AMMUNITION PLANT





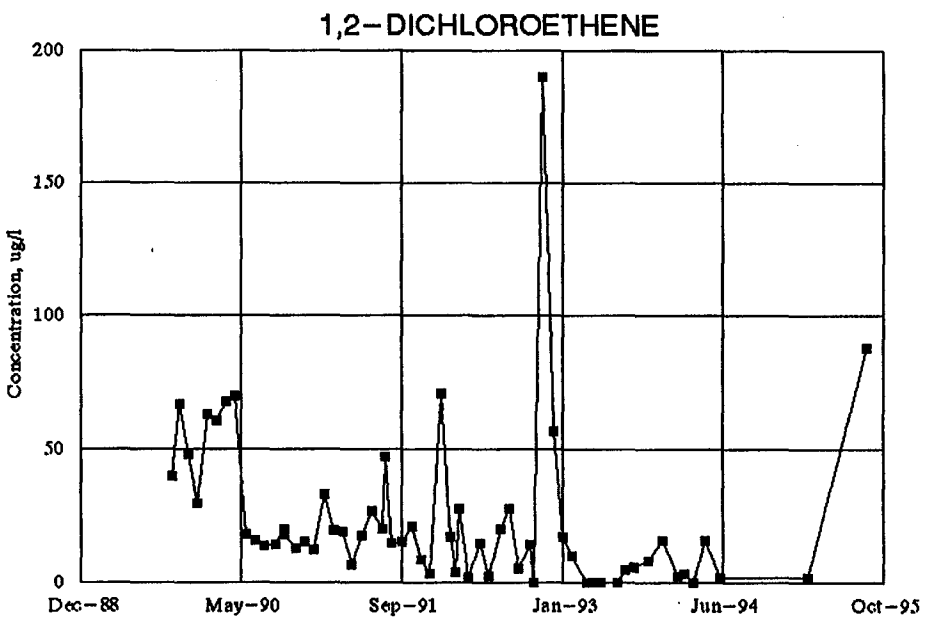
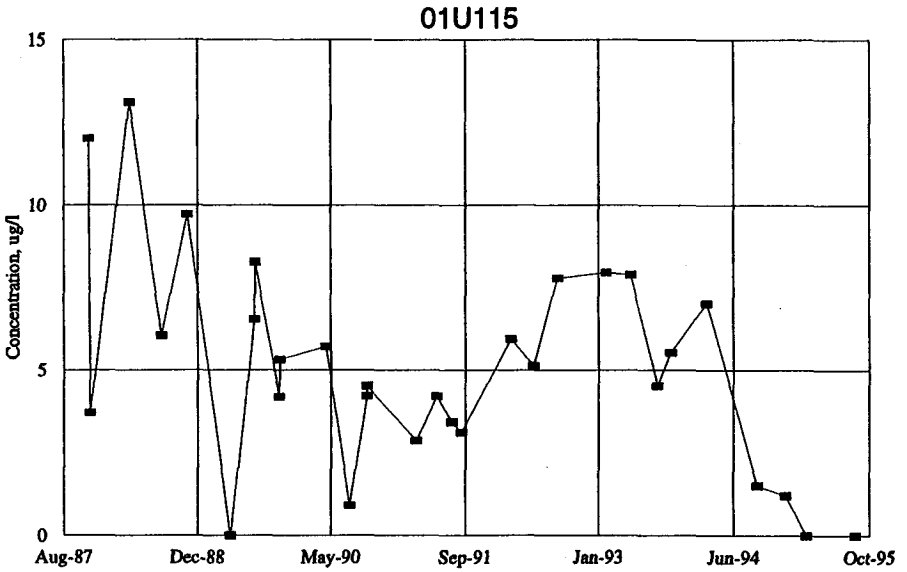
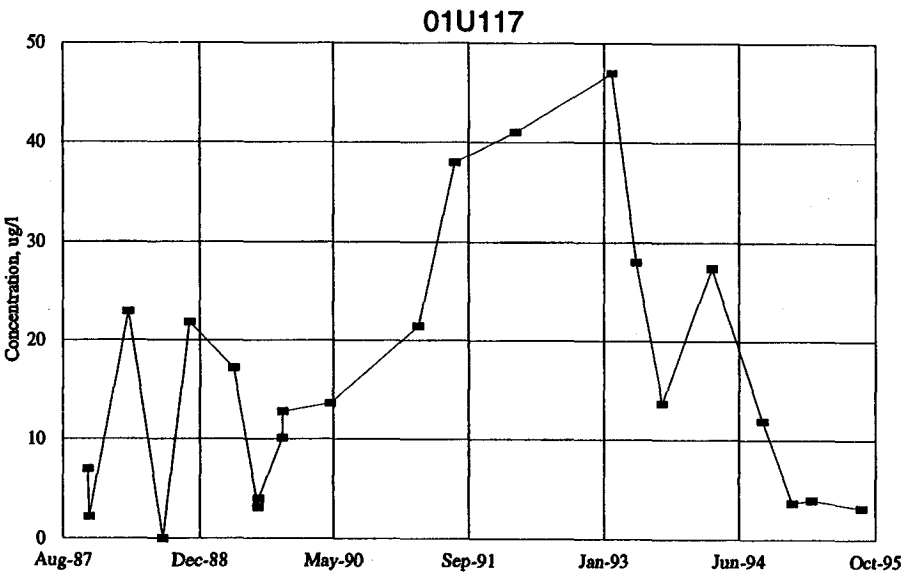


Figure IV-14
Wenck Associates, Inc.

SITE A, TRICHLOROETHENE WATER QUALITY TRENDS

TWIN CITIES ARMY AMMUNITION PLANT





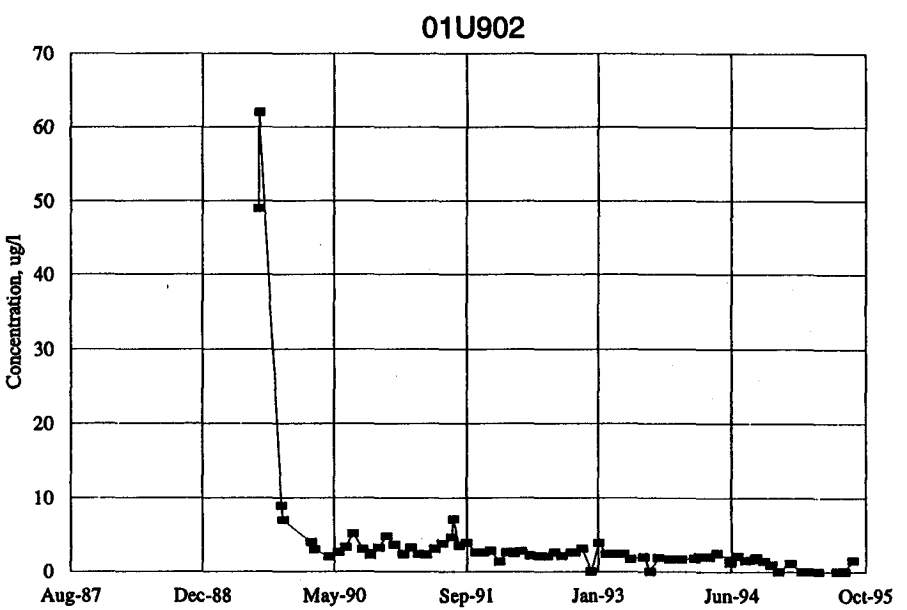
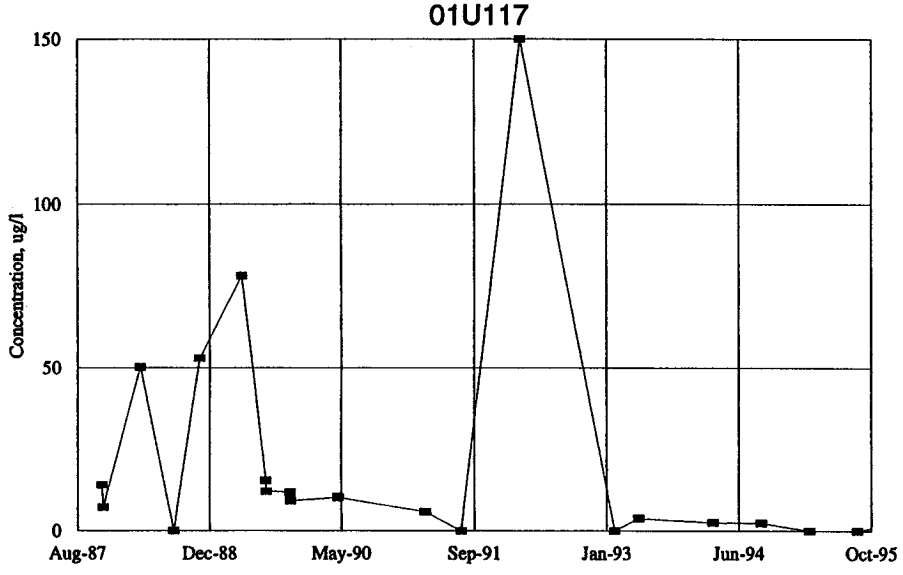
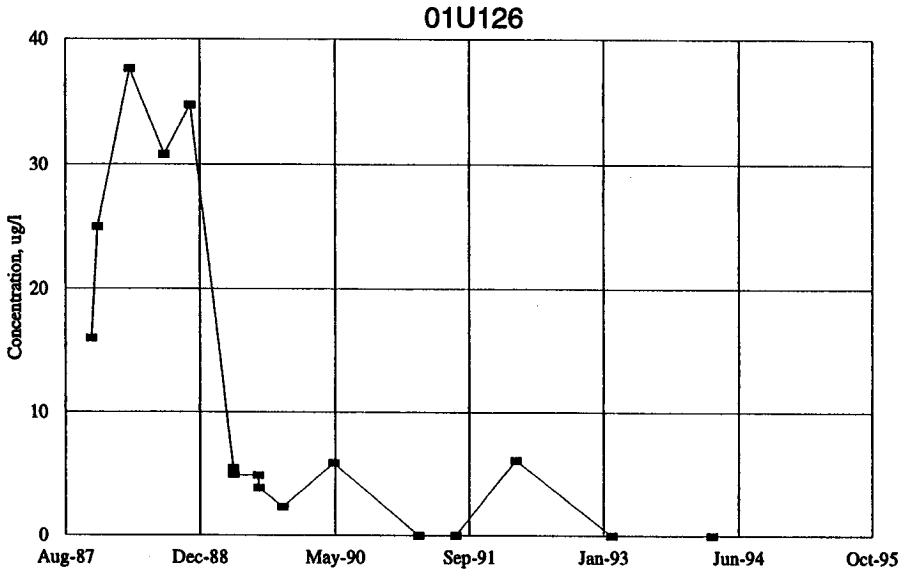


Figure IV-15
Wenck Associates, Inc.

SITE A, TETRACHLOROETHENE WATER QUALITY TRENDS

TWIN CITIES ARMY AMMUNITION PLANT





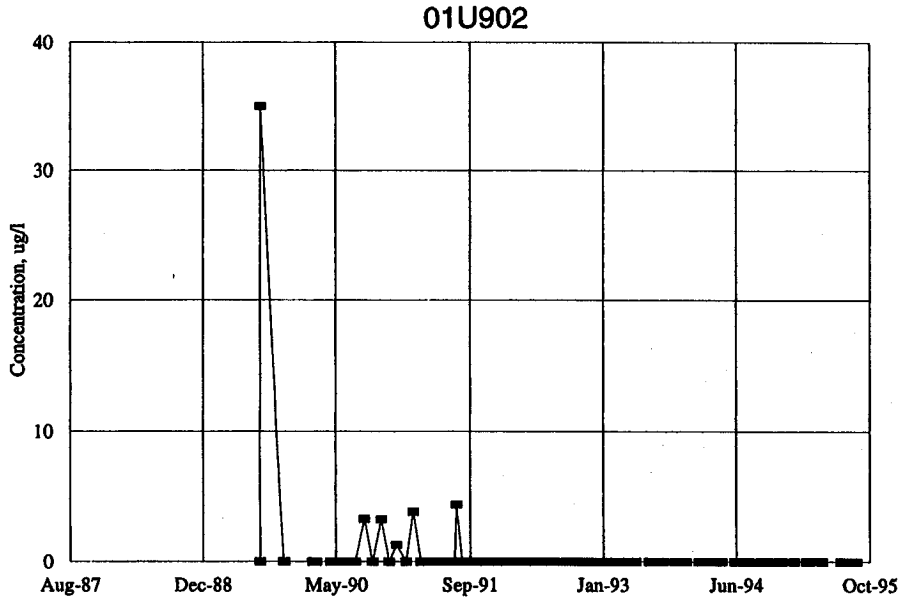


Figure IV-16
Wenck Associates, Inc.

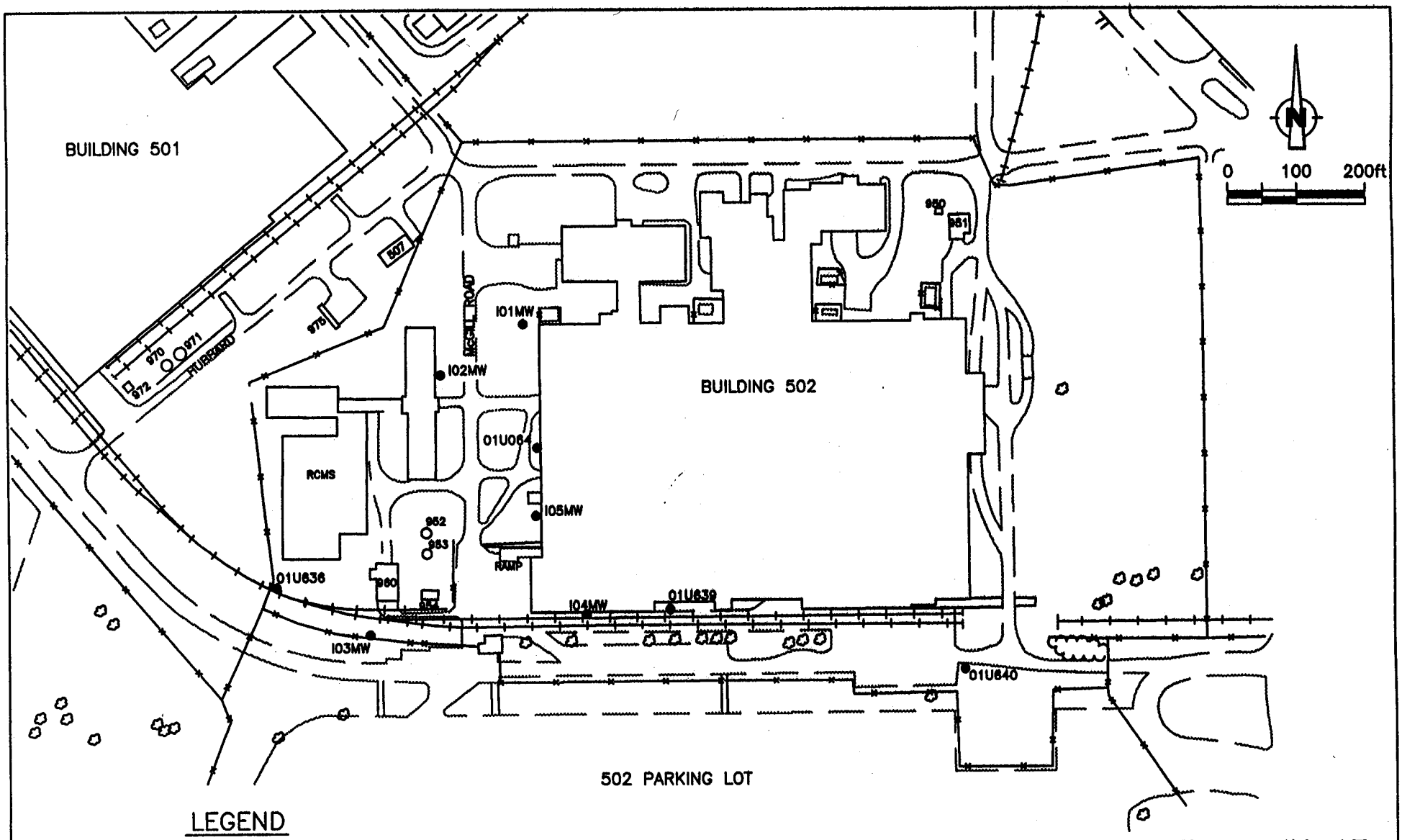


figure IV-17
SITE I, UNIT 1 GROUNDWATER QUALITY MONITORING LOCATIONS
Twin Cities Army Ammunition Plant

CRA

4304(A)-SEPT. 20/95-REV.0 (M-01)(MN)

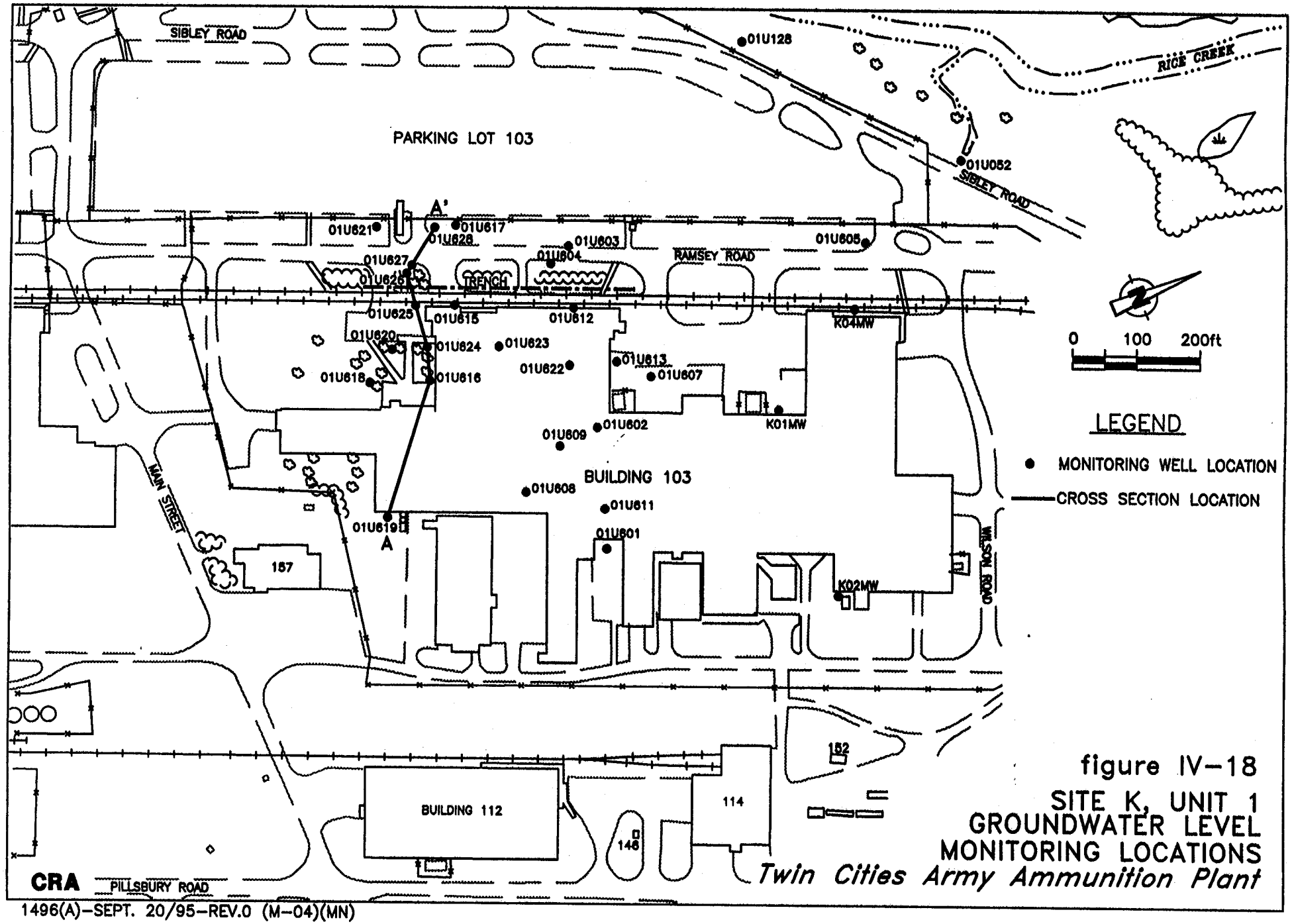


figure IV–18

SITE K, UNIT 1
GROUNDWATER LEVEL
MONITORING LOCATIONS

Twin Cities Army Ammunition Plant

1496(A)–SEPT. 20/95–REV.0 (M–04)(MN)

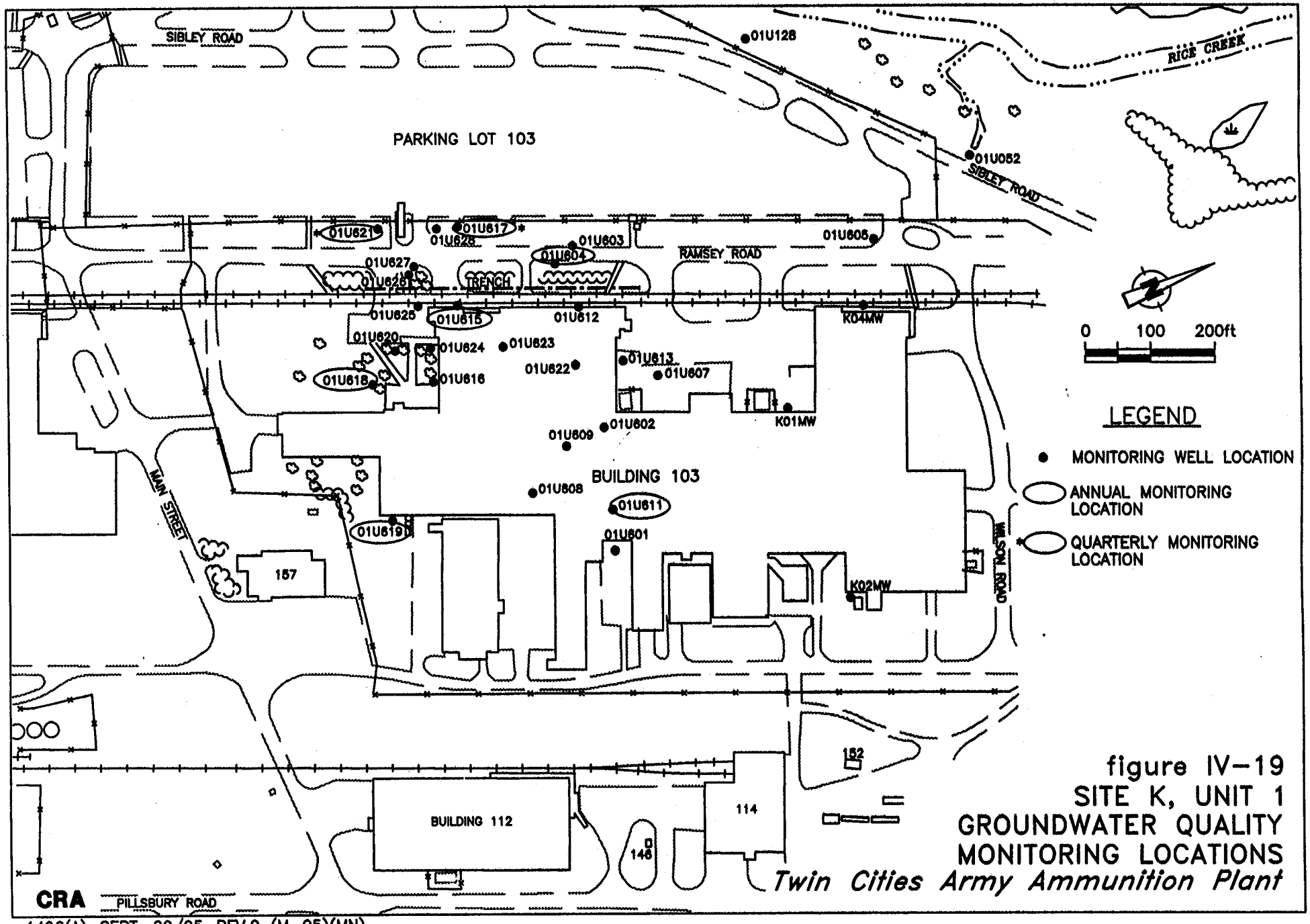


figure IV–19
SITE K, UNIT 1
GROUNDWATER QUALITY
MONITORING LOCATIONS
Twin Cities Army Ammunition Plant

CRA

1496(A)–SEPT. 20/95–REV.0 (M–05)(MN)

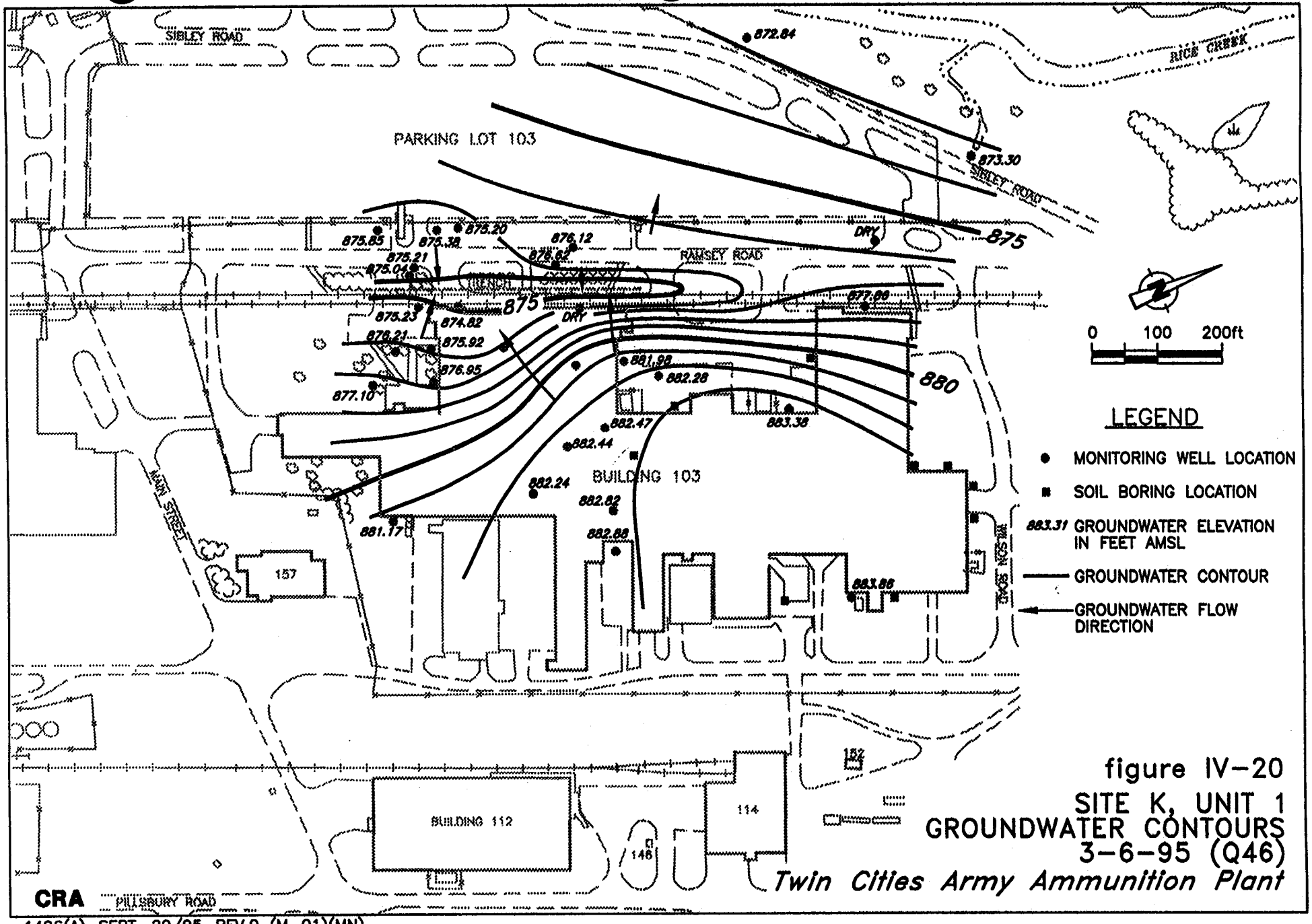


figure IV–20
SITE K, UNIT 1
GROUNDWATER CONTOURS
3–6–95 (Q46)
Twin Cities Army Ammunition Plant

CRA

1496(A)–SEPT. 20/95–REV.0 (M–01)(MN)

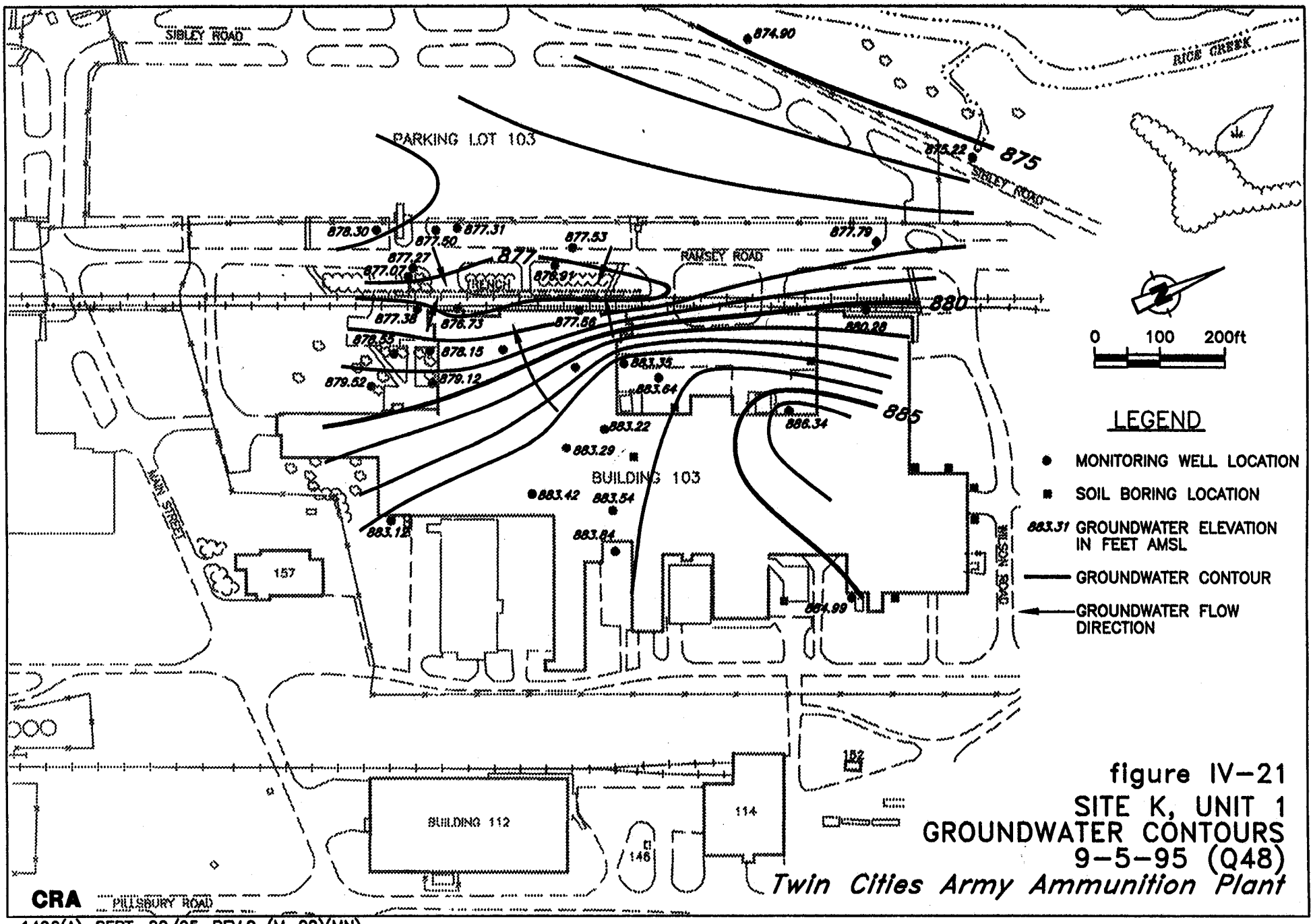
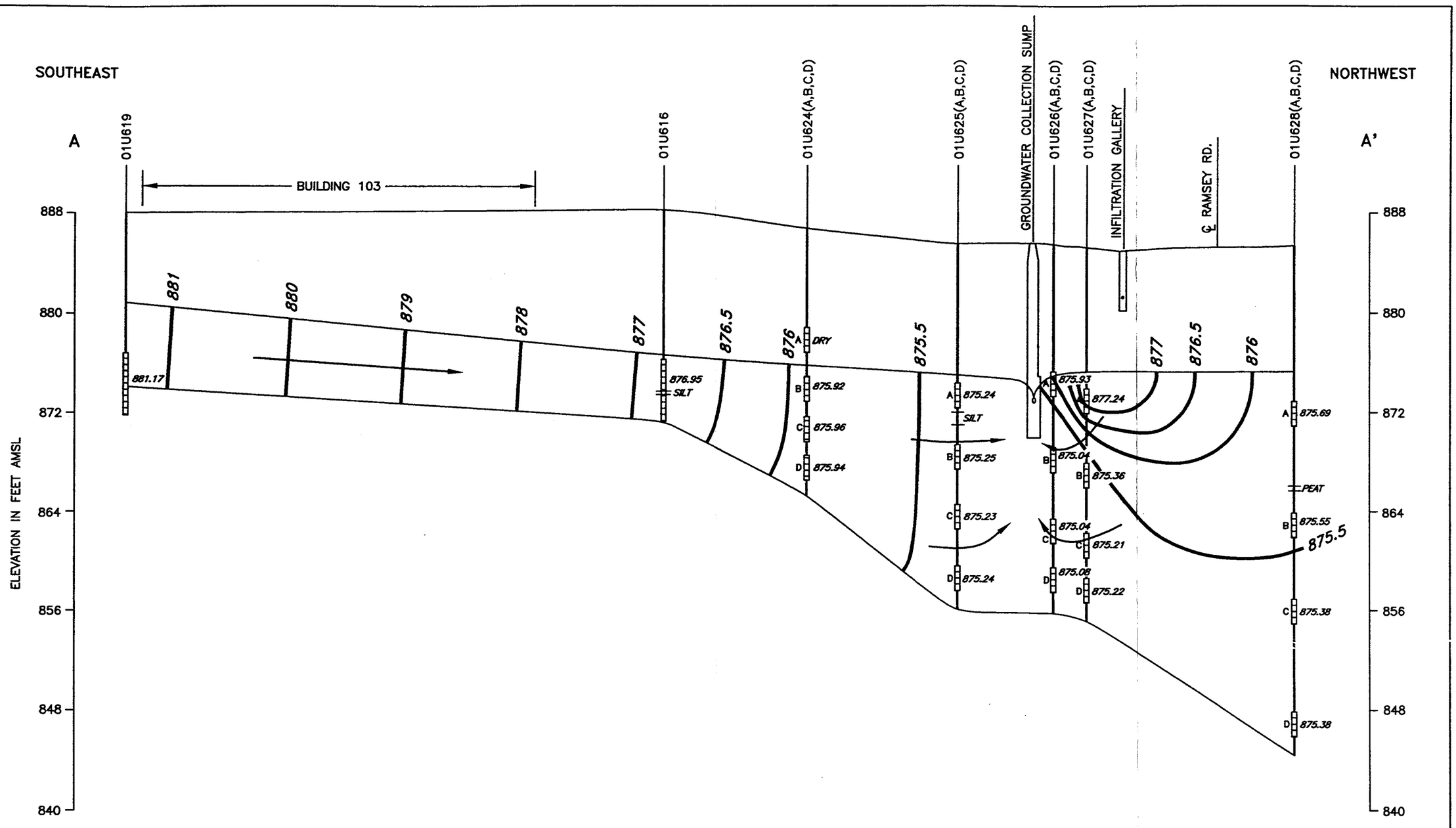


figure IV-21
SITE K, UNIT 1
GROUNDWATER CONTOURS
9-5-95 (Q48)
Twin Cities Army Ammunition Plant

CRA

1496(A)-SEPT. 20/95-REV.0 (M-02)(MN)



SCALE: 1"=8' VER., 1"=40' HOR.

figure IV–22

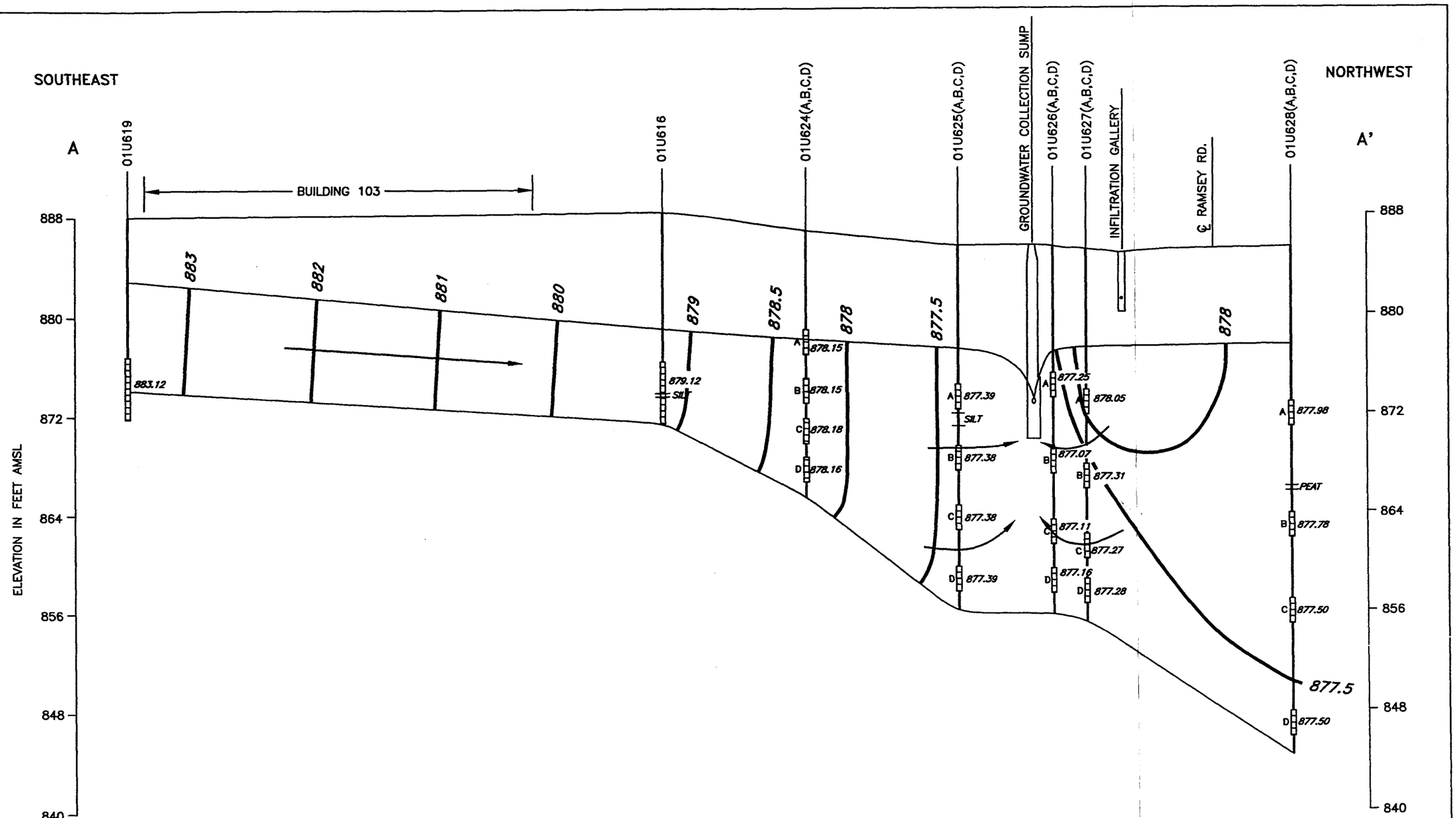
SITE K, HYDROGEOLOGIC CROSS SECTION A–A'

3–6–95 (Q46)

Twin Cities Army Ammunition Plant

CRA

1496(A)–SEPT. 20/95–REV.0 (X–01)(MN)



SCALE: 1"=8' VER., 1"=40' HOR.

figure IV–23

SITE K, HYDROGEOLOGIC CROSS SECTION A–A'
9–5–95 (Q48)
Twin Cities Army Ammunition Plant

CRA

1496(A)–SEPT. 20/95–REV.0 (X–02)(MN)

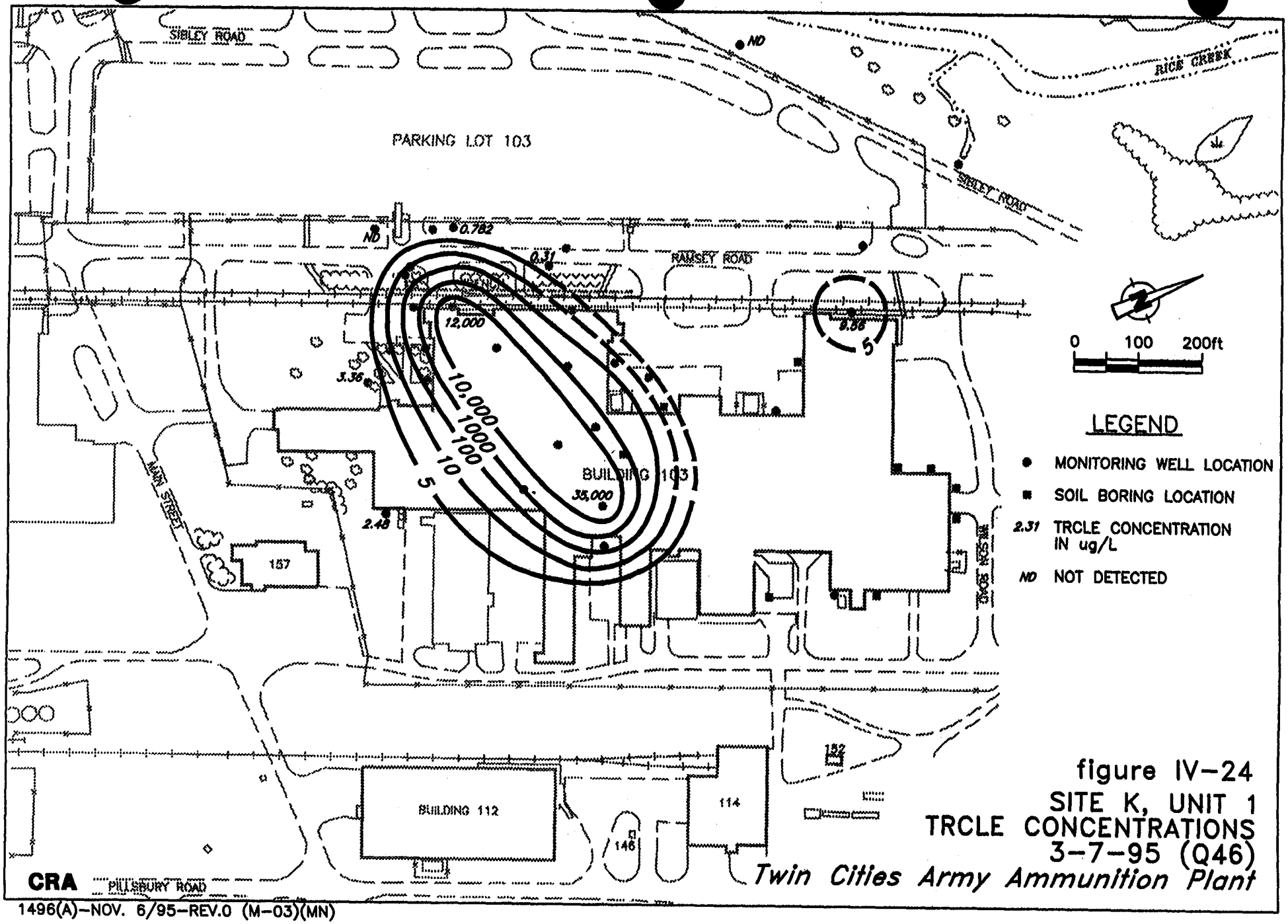
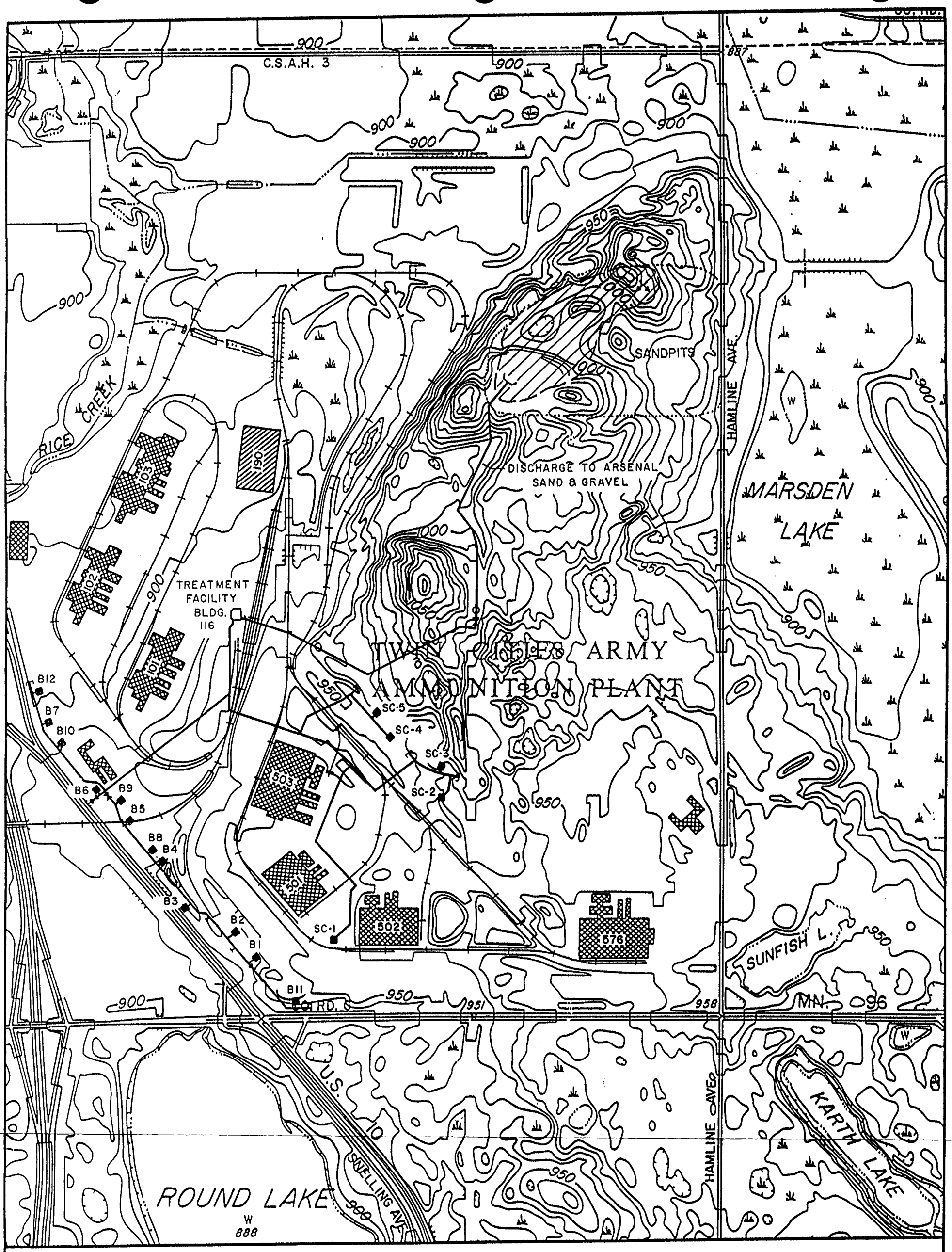


figure IV–24
SITE K, UNIT 1
TRCLE CONCENTRATIONS
3–7–95 (Q46)
Twin Cities Army Ammunition Plant

CRA

1496(A)–NOV. 6/95–REV.0 (M–03)(MN)



LEGEND

■ EXTRACTION WELL LOCATION

ARSENAL SAND AND GRAVEL PIT

N

SCALE: 1" = 1000'

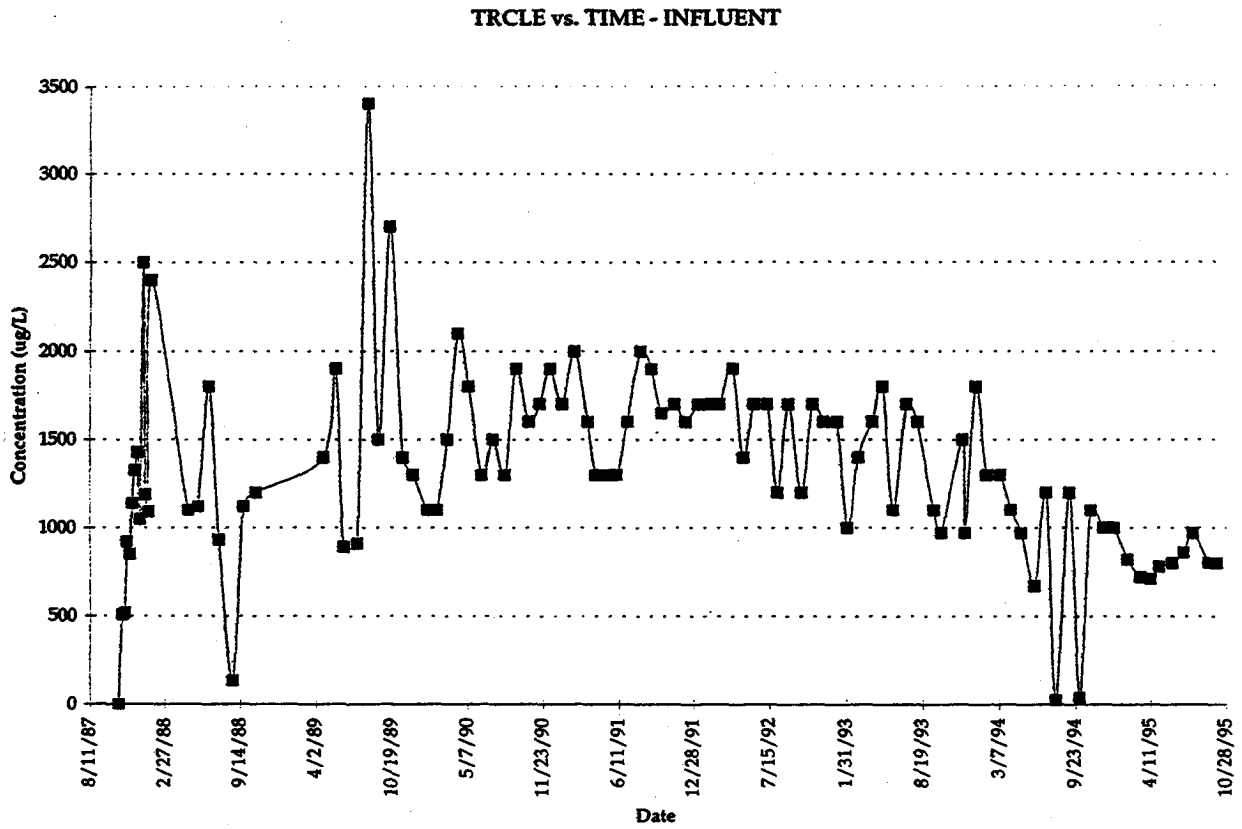
figure IV–25

OU2, TGRS LAYOUT

Twin Cities Army Ammunition Plant

CRA

5530( )–DEC. 19/94–REV.0 (MN)



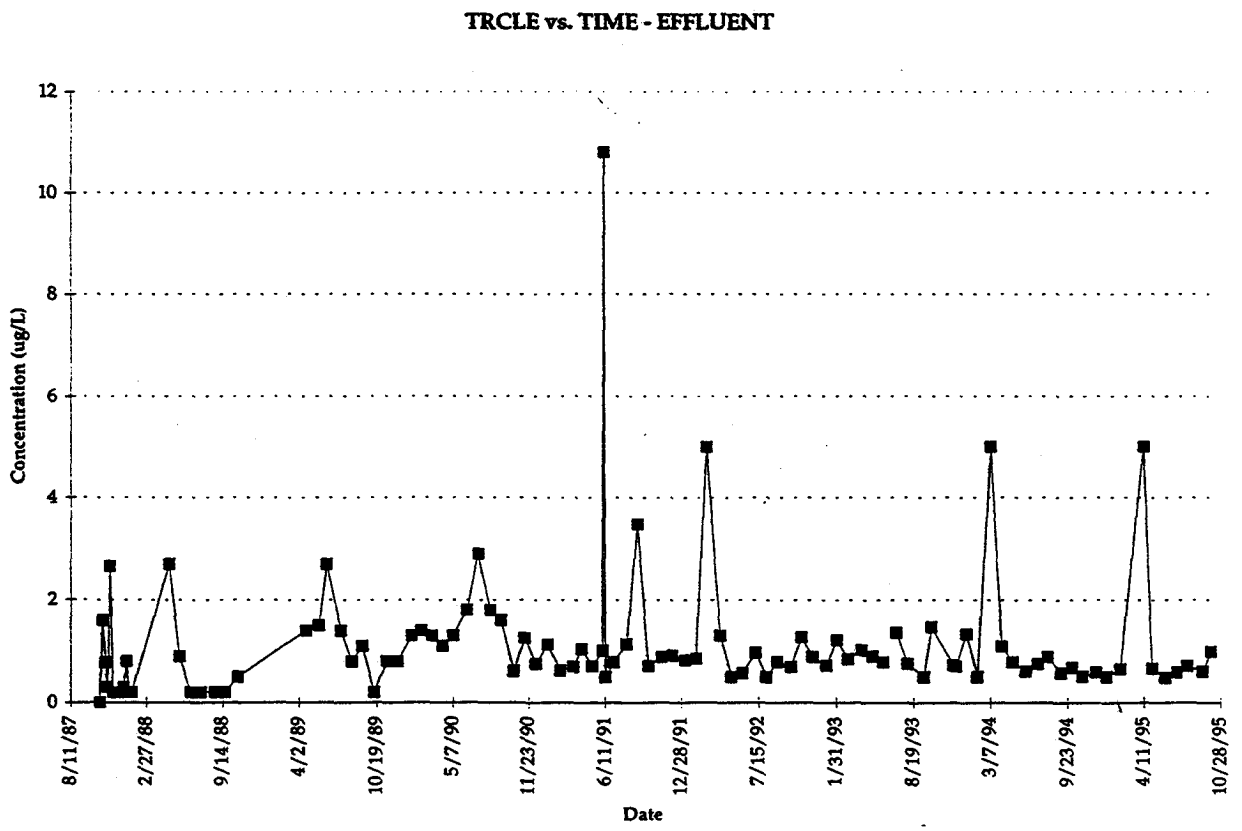
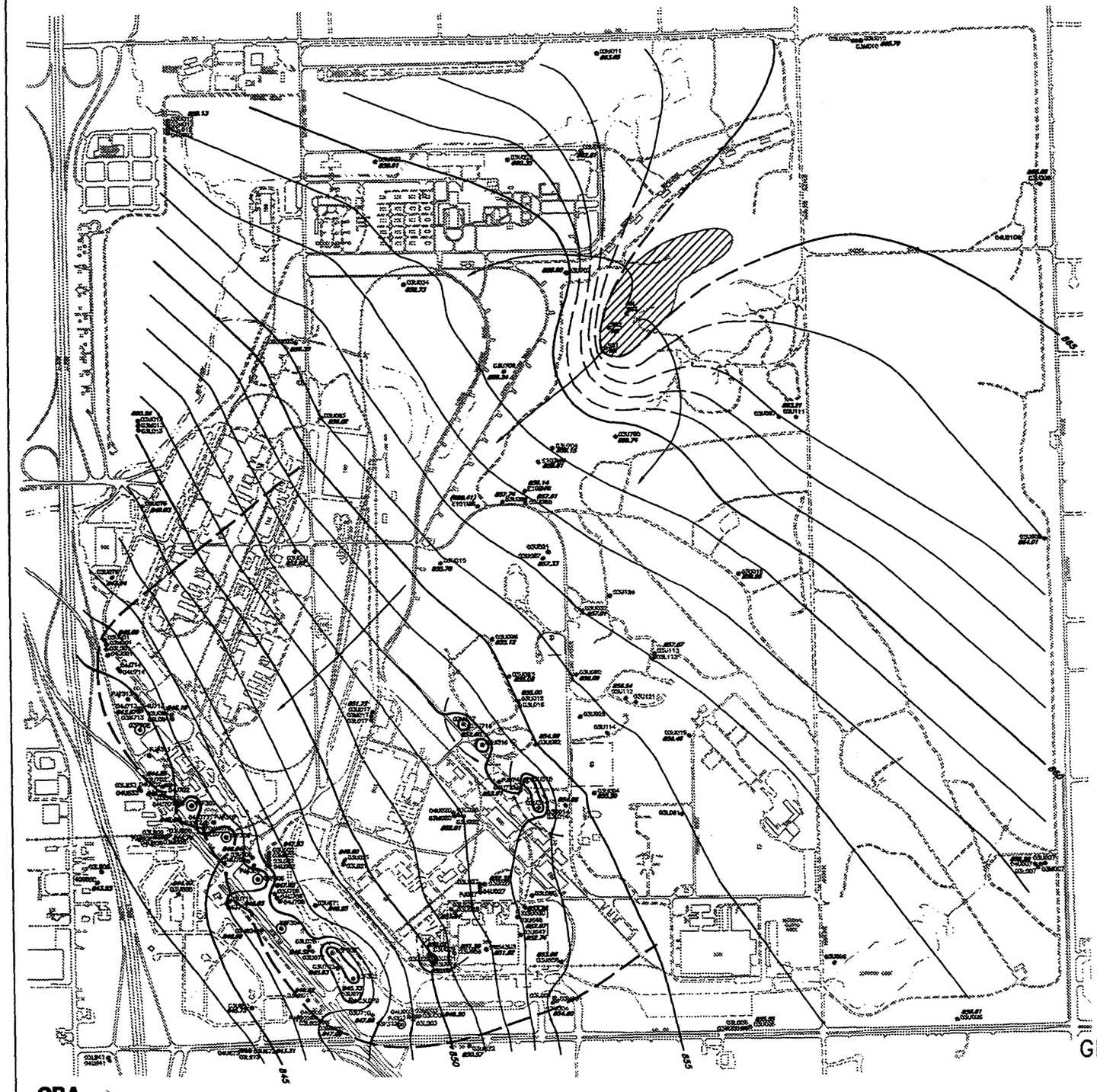


figure IV-26

OU2, TGRS TREATMENT SYSTEM PERFORMANCE

Twin Cities Army Ammunition Plant

CRA



0 400 1200ft

LEGEND

857.54 GROUNDWATER ELEVATION IN FEET AMSL (9–6–95)

GROUNDWATER CONTOUR

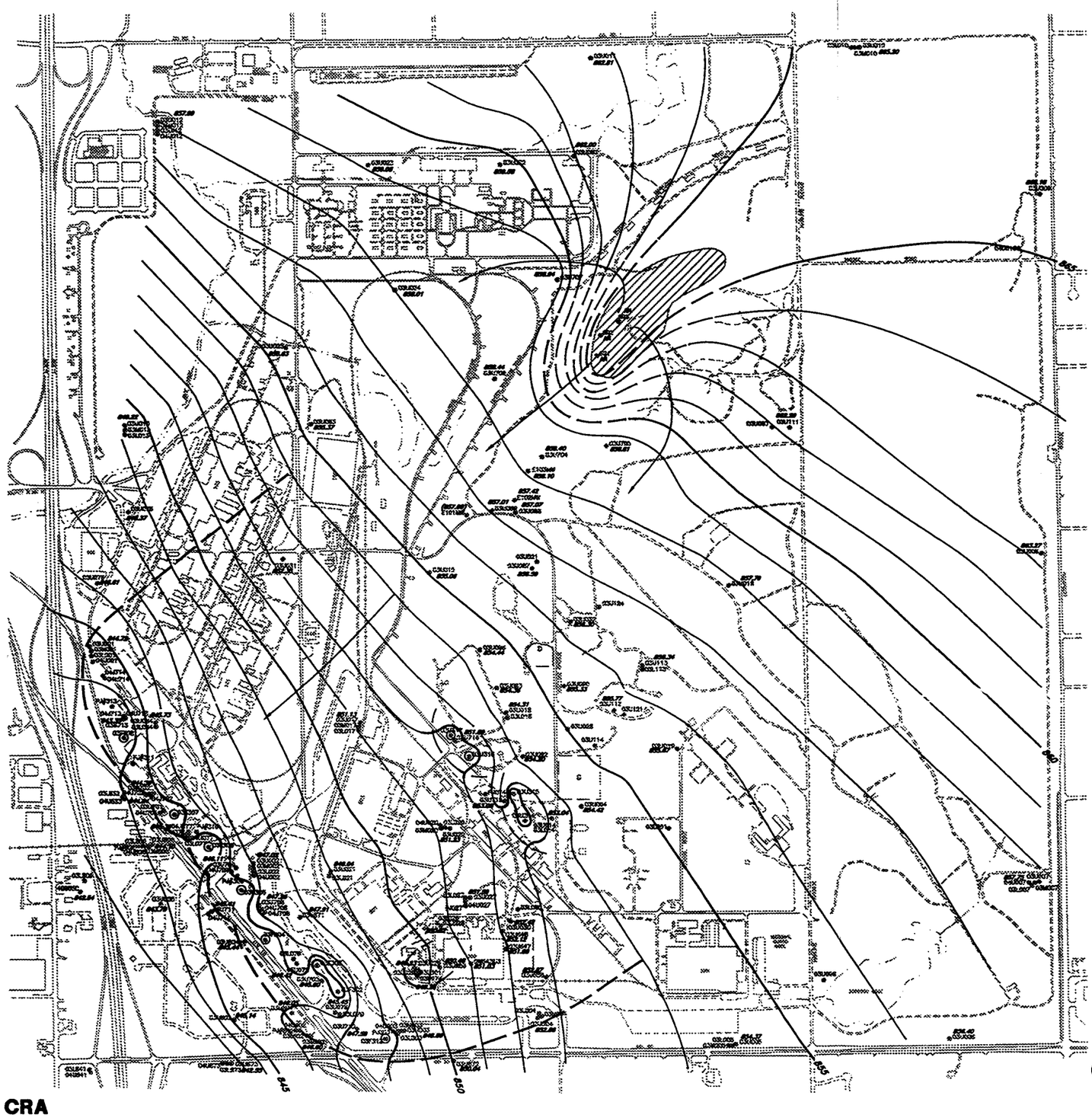
DIRECTION OF GROUNDWATER FLOW

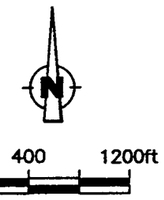
LIMIT OF CAPTURE

figure IV–27
ON–POST, UPPER UNIT 3,
GROUNDWATER ELEVATIONS, SPRING 1995 (Q46)
Twin Cities Army Ammunition Plant

CRA

6317(A)–FEB. 2/96–REV.0 (MN)





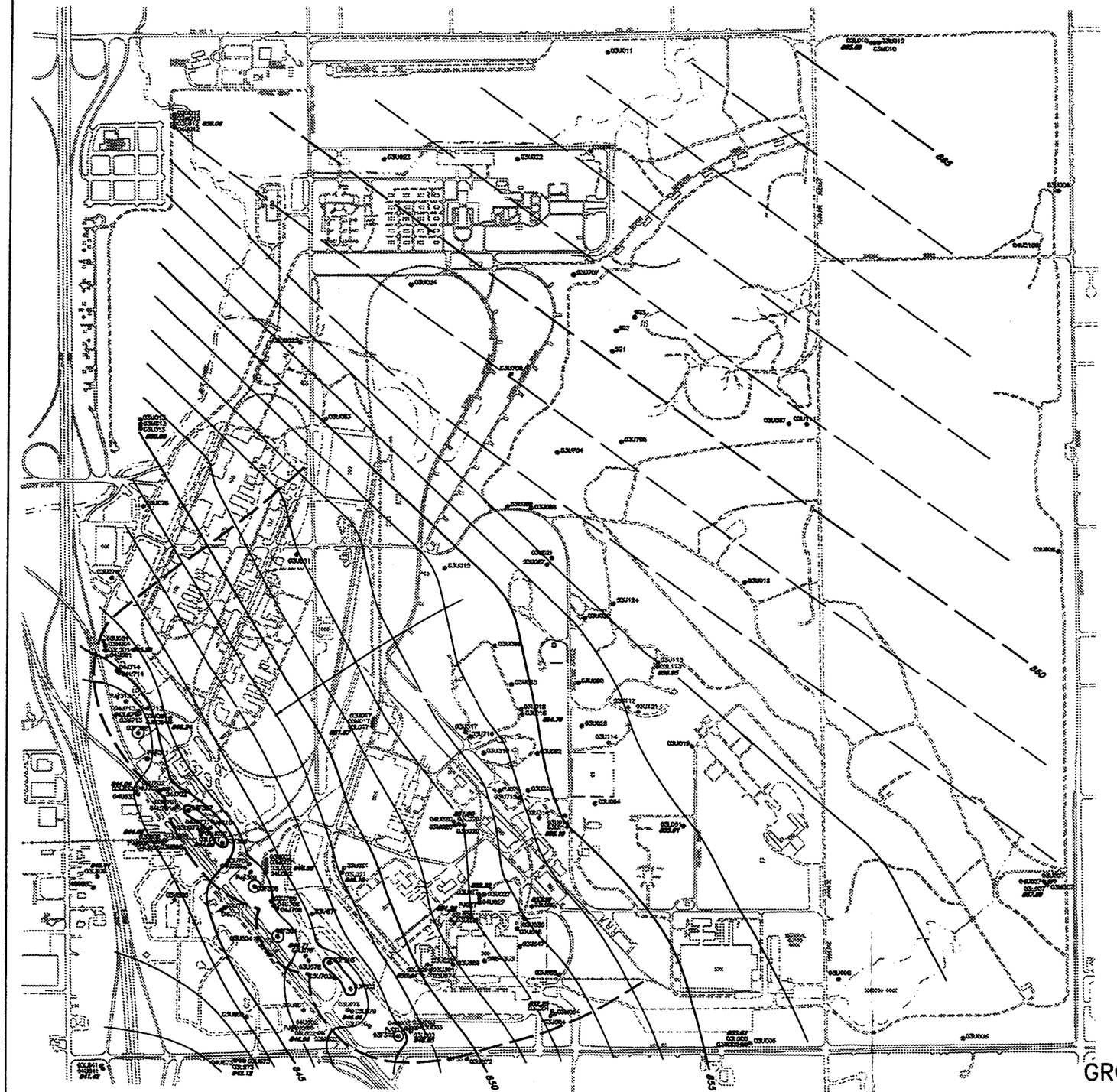
LEGEND

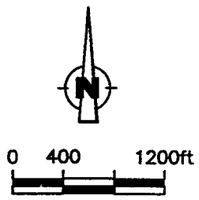
857.54	GROUNDWATER ELEVATION IN FEET AMSL (9–6–95)
———	GROUNDWATER CONTOUR
←———	DIRECTION OF GROUNDWATER FLOW
— — —	LIMIT OF CAPTURE

figure IV–28
ON–POST, UPPER UNIT 3,
GROUNDWATER ELEVATIONS, FALL 1995 (Q48)
Twin Cities Army Ammunition Plant

CRA

6317(A)–FEB. 2/96–REV.0 (MN)





LEGEND

857.54	GROUNDWATER ELEVATION IN FEET AMSL (9–6–95)
———	GROUNDWATER CONTOUR
←———	DIRECTION OF GROUNDWATER FLOW
— — —	LIMIT OF CAPTURE

figure IV–29
ON–POST, LOWER UNIT 3,
GROUNDWATER ELEVATIONS, SPRING 1995 (Q46)
Twin Cities Army Ammunition Plant

CRA

6317(A)–FEB. 2/96–REV.0 (MN)

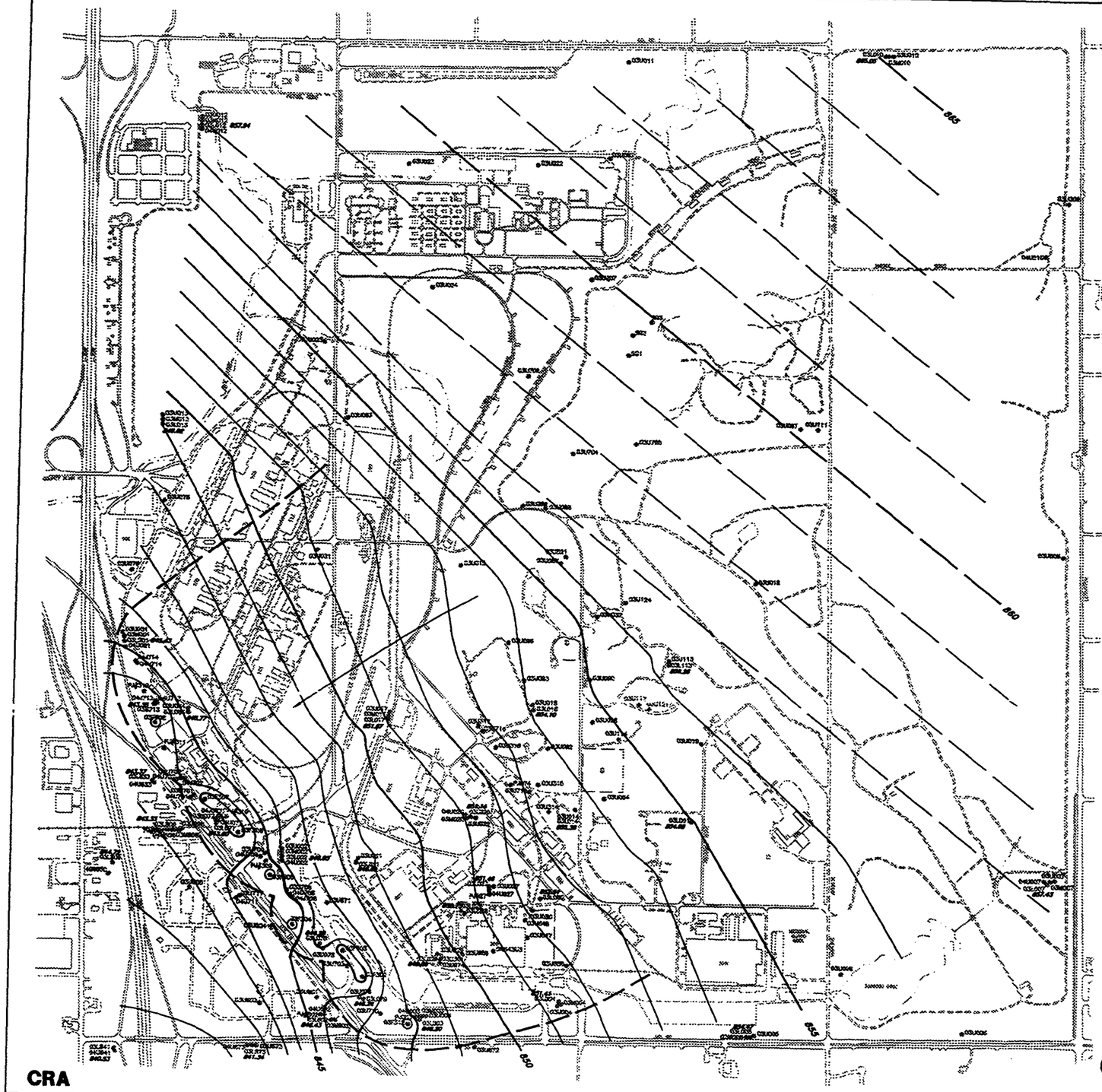


figure IV-30
ON-POST, LOWER UNIT 3,
GROUNDWATER ELEVATIONS, FALL 1995 (Q48)
Twin Cities Army Ammunition Plant

6317(A)-FEB. 2/96-REV.0 (MN)

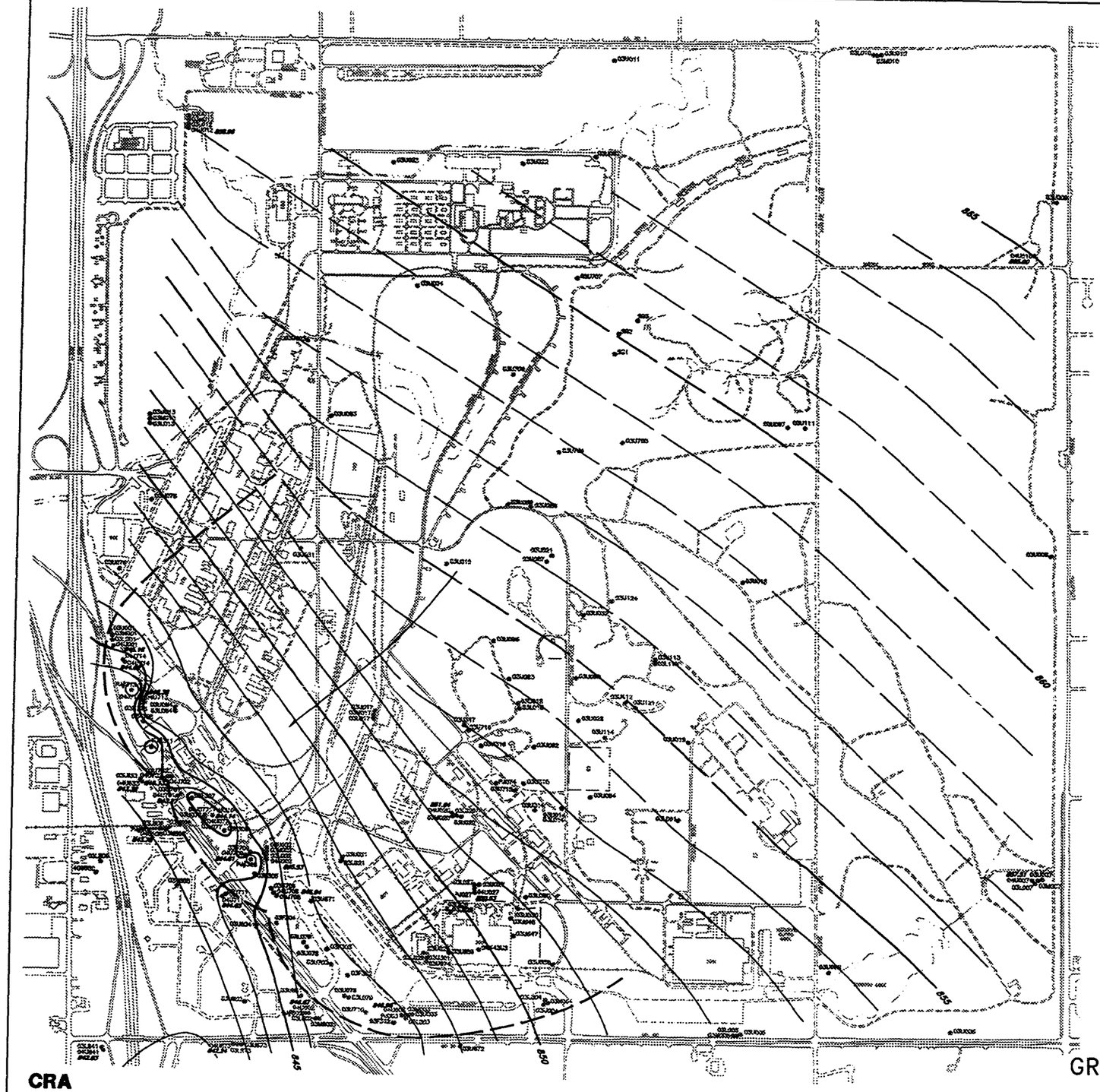
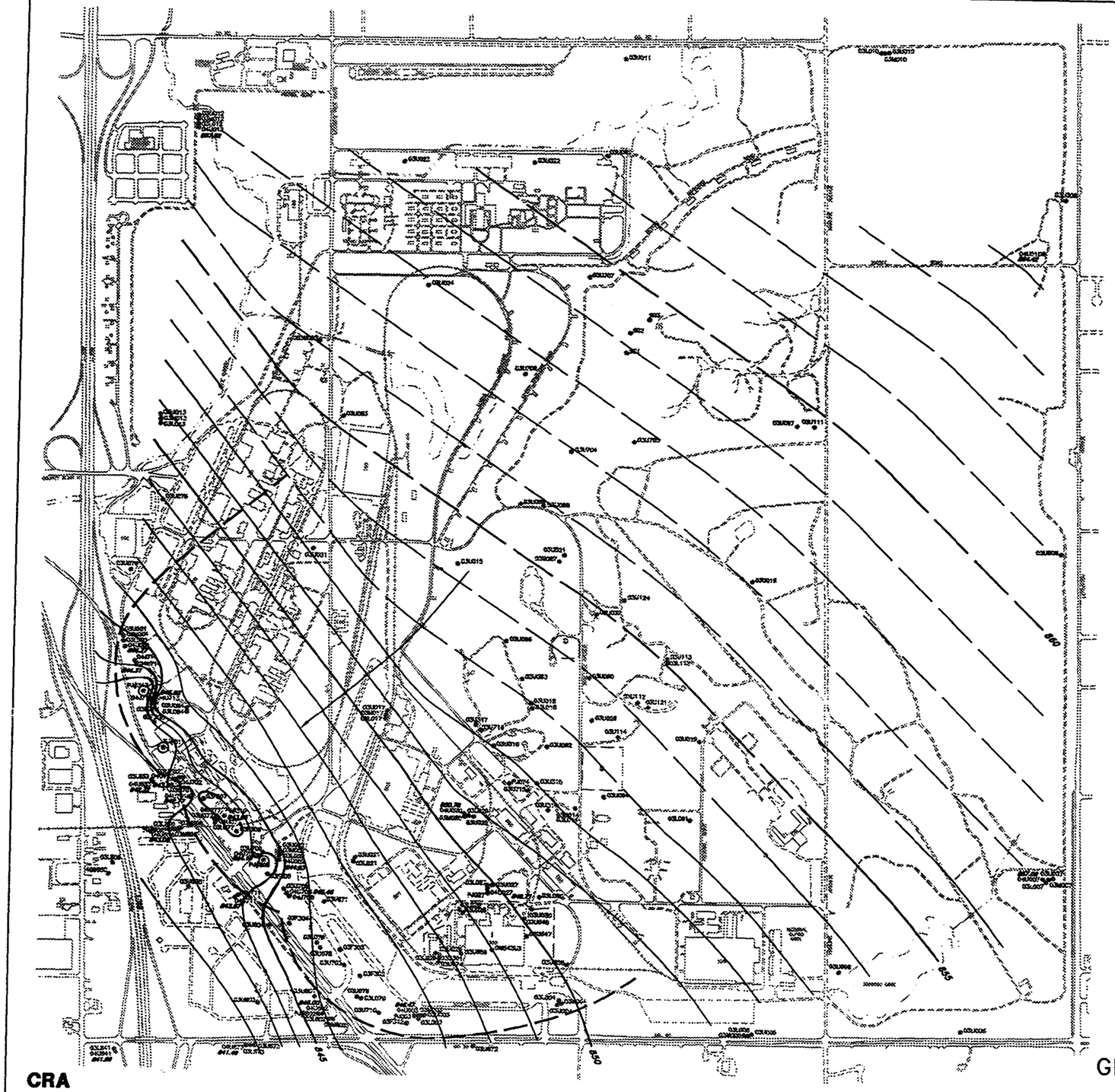


figure IV-31
ON-POST, UPPER UNIT 4,
GROUNDWATER ELEVATIONS, SPRING 1995 (Q46)
Twin Cities Army Ammunition Plant

6317(A)-FEB. 2/96-REV.0 (MN)



6317(A)-FEB. 2/96-REV.0 (MN)

figure IV-32
ON-POST, UPPER UNIT 4,
GROUNDWATER ELEVATIONS, FALL 1995 (Q48)
Twin Cities Army Ammunition Plant

THIS FIGURE IS A REDUCTION OF PLAN SHEET 14 AND IS INCLUDED FOR GENERAL INFORMATION ONLY. PLEASE REFER TO THE PLAN SHEET FOR DETAILED REVIEW.

FY 1994

400 0 400 800
SCALE IN FEET

LEGEND

- MONITORING WELL LOCATION
- RECOVERY WELL LOCATION
- SITE BOUNDARY
- WATER SYMBOL
- ROAD
- TRICHLOROETHENE CONCENTRATION (ug/l) (VALUES IN PARENTHESES WERE NOT USED FOR CONTOURING PURPOSES)
- 10 ISOCONCENTRATION CONTOUR (ug/l)
- 10 ESTIMATED ISOCONCENTRATION CONTOUR (ug/l)
- CROSS SECTION LINE

NOTES:
1. ALL UPPER UNIT 3 WELLS AT THE SITE ARE SHOWN.
2. 03F AND 03U RECOVERY WELLS ARE SHOWN WITH DATA IN PARENTHESES, BUT CONCENTRATIONS WERE NOT USED FOR CONTOURING.
3. RECOVERY WELL NAME CONVERSIONS:

03F302	B-1
03F303	B-2
03F304	B-3
03F305	B-4
03F306	B-5
03F307	B-6
03F308	B-7
03F312	B-11
03U301	SC-1
03U314	SC-2
03U315	SC-3
03U316	SC-4
03U317	SC-5

4. ALL DATA IS FROM QUARTER 42(Q42) UNLESS OTHERWISE INDICATED.

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TWIN CITIES ARMY AMMUNITION PLANT
ARDEN HILLS, MN 55112

FISCAL YEAR 1994 ANNUAL MONITORING REPORT

ON-POST, TRICHLOROETHENE
UPPER UNIT 3, SPRING 1994 (Q42)

SCALE	DRAWN	APPROVED BY	DATE	DRAWING NO	SHEET NO
1:8000	DLM	LRO	8-1-95	ON3UTRCL.DWG	14

TWIN CITIES ARMY AMMUNITION PLANT

On-Post, Trichloroethene, Upper Unit 3, Spring 1994 (Q42)

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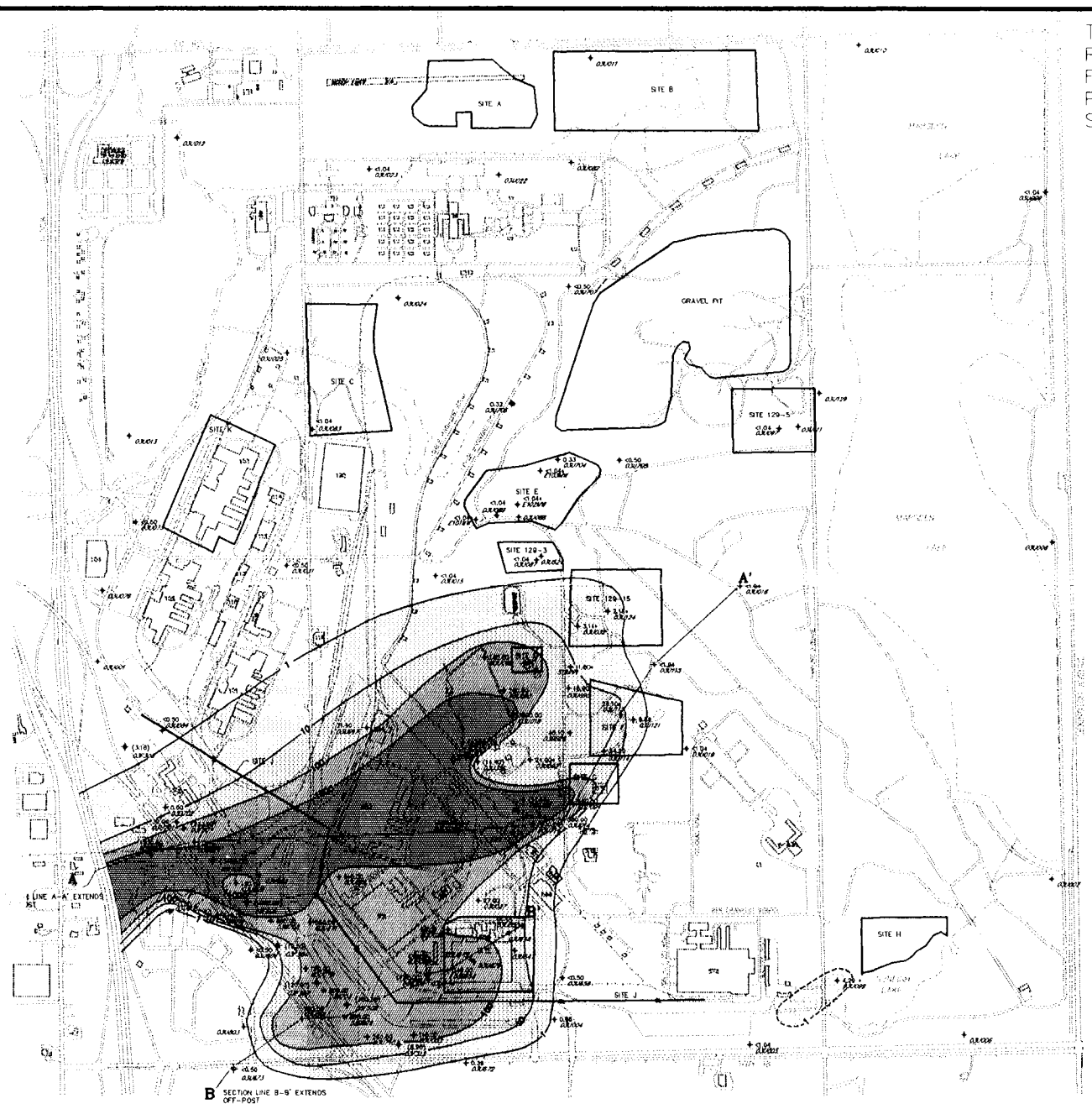
SEPT. 1995



THIS FIGURE IS A REDUCTION OF PLAN SHEET 27 AND IS INCLUDED FOR GENERAL INFORMATION ONLY. PLEASE REFER TO THE PLAN SHEET FOR DETAILED REVIEW.

FY 1995

400 0 400 800
SCALE IN FEET

LEGEND

- MONITORING WELL LOCATION
- RECOVERY WELL LOCATION
- SITE BOUNDARY
- WATER SYMBOL
- ROAD
- TRICHLOROETHENE CONCENTRATION (ug/l) (VALUES IN PARENTHESES WERE NOT USED FOR CONTOURING PURPOSES)
- 10 ISOCONCENTRATION CONTOUR (ug/l)
- 10 ESTIMATED ISOCONCENTRATION CONTOUR (ug/l)
- CROSS SECTION LINE
- RAW DATA, NOT IN IRDMS
- BUILDING REMOVED

NOTES:
1. ALL UPPER UNIT 3 WELLS AT THE SITE ARE SHOWN.
2. 03F AND 03U RECOVERY WELLS ARE SHOWN WITH DATA IN PARENTHESES, BUT CONCENTRATIONS WERE NOT USED FOR CONTOURING.
3. RECOVERY WELL NAME CONVERSIONS:

03F302	B-1
03F303	B-2
03F304	B-3
03F305	B-4
03F306	B-5
03F307	B-6
03F308	B-7
03F312	B-11
03U301	SC-1
03U314	SC-2
03U315	SC-3
03U316	SC-4
03U317	SC-5

4. ALL DATA IS FROM QUARTER 46(Q46) UNLESS OTHERWISE INDICATED BELOW
QTR. 48: 03U009

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ARDEN HILLS, MN 55112

FISCAL YEAR 1995 ANNUAL MONITORING REPORT

OU2, UPPER UNIT 3 TRICHLOROETHENE ISOCONCENTRATION MAP, SPRING 1995 (Q46)

SCALE	DRAWN	APPROVED BY	DATE	DRAWING NO	SHEET NO
1:6000	DLM	WPJ	8-18-95	ON3UTRCL.DWG	27

TWIN CITIES ARMY AMMUNITION PLANT

OU2, Upper Unit 3 Trichloroethene Isoconcentration Map, Spring 1995 (Q46)

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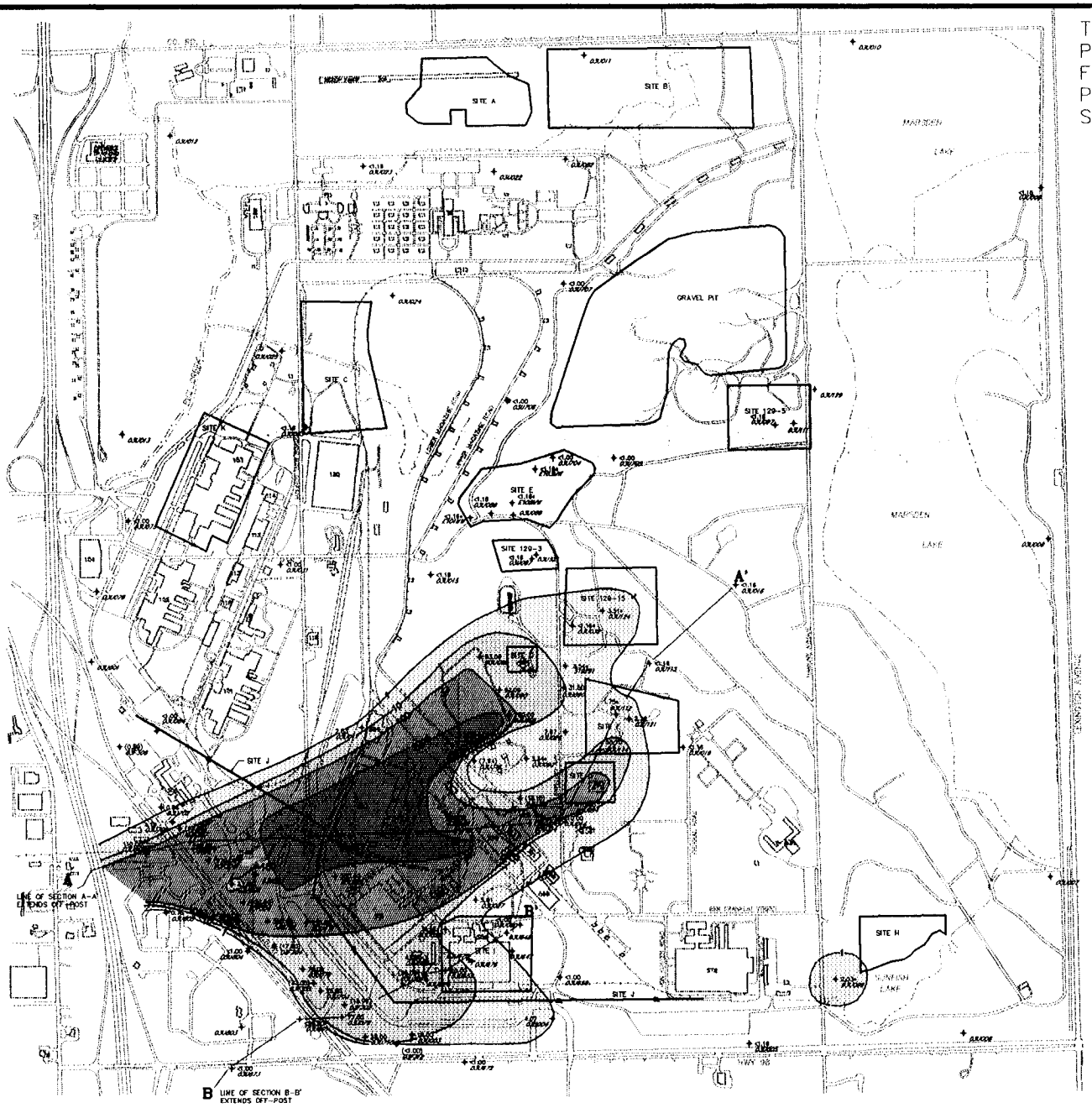
Fig. IV-33



THIS FIGURE IS A REDUCTION OF PLAN SHEET 28 AND IS INCLUDED FOR GENERAL INFORMATION ONLY. PLEASE REFER TO THE PLAN SHEET FOR DETAILED REVIEW.

N

400 0 400 800
SCALE IN FEET

LEGEND

- 03I003 — MONITORING WELL LOCATION
- 03F302 — RECOVERY WELL LOCATION
- SITE BOUNDARY
- WATER SYMBOL
- ROAD
- 80.00 (1,1,1-TRICHLOROETHANE CONCENTRATION (ug/l) (VALUES IN PARENTHESES WERE NOT USED FOR CONTOURING PURPOSES)
- 10 — ISOCONCENTRATION CONTOUR (ug/l)
- 10 — ESTIMATED ISOCONCENTRATION CONTOUR (ug/l)
- CROSS SECTION LINE
- RAW DATA, NOT IN IRDMIS
- BUILDING REMOVED

NOTES:
1. ALL UPPER UNIT 3 WELLS AT THE SITE ARE SHOWN.
2. 03F AND 03U RECOVERY WELLS ARE SHOWN WITH DATA IN PARENTHESES, BUT WERE NOT USED FOR CONTOURING.
3. RECOVERY WELL NAME CONVERSIONS:

03F302	B-1
03F303	B-2
03F304	B-3
03F305	B-4
03F306	B-5
03F307	B-6
03F308	B-7
03F312	B-11
03U301	SC-1
03U314	SC-2
03U315	SC-3
03U316	SC-4
03U317	SC-5

4. ALL DATA IS FROM QUARTER 46(Q46) UNLESS OTHERWISE INDICATED.

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ARDEN HILLS, MN 55112

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OU2, UPPER UNIT 3 1,1,1,-TRICHLOROETHANE ISOCONCENTRATION MAP, SPRING 1995 (Q46)

SCALE	DRAWN	APPROVED BY	DATE	DRAWING NO	SHEET NO
1:6000	DLM	WPJ	8-15-95	ON3U1117.DWG	28

TWIN CITIES ARMY AMMUNITION PLANT

OU2, Upper Unit 3 1,1,1-Trichloroethane Isoconcentration Map, Spring 1995 (Q46)

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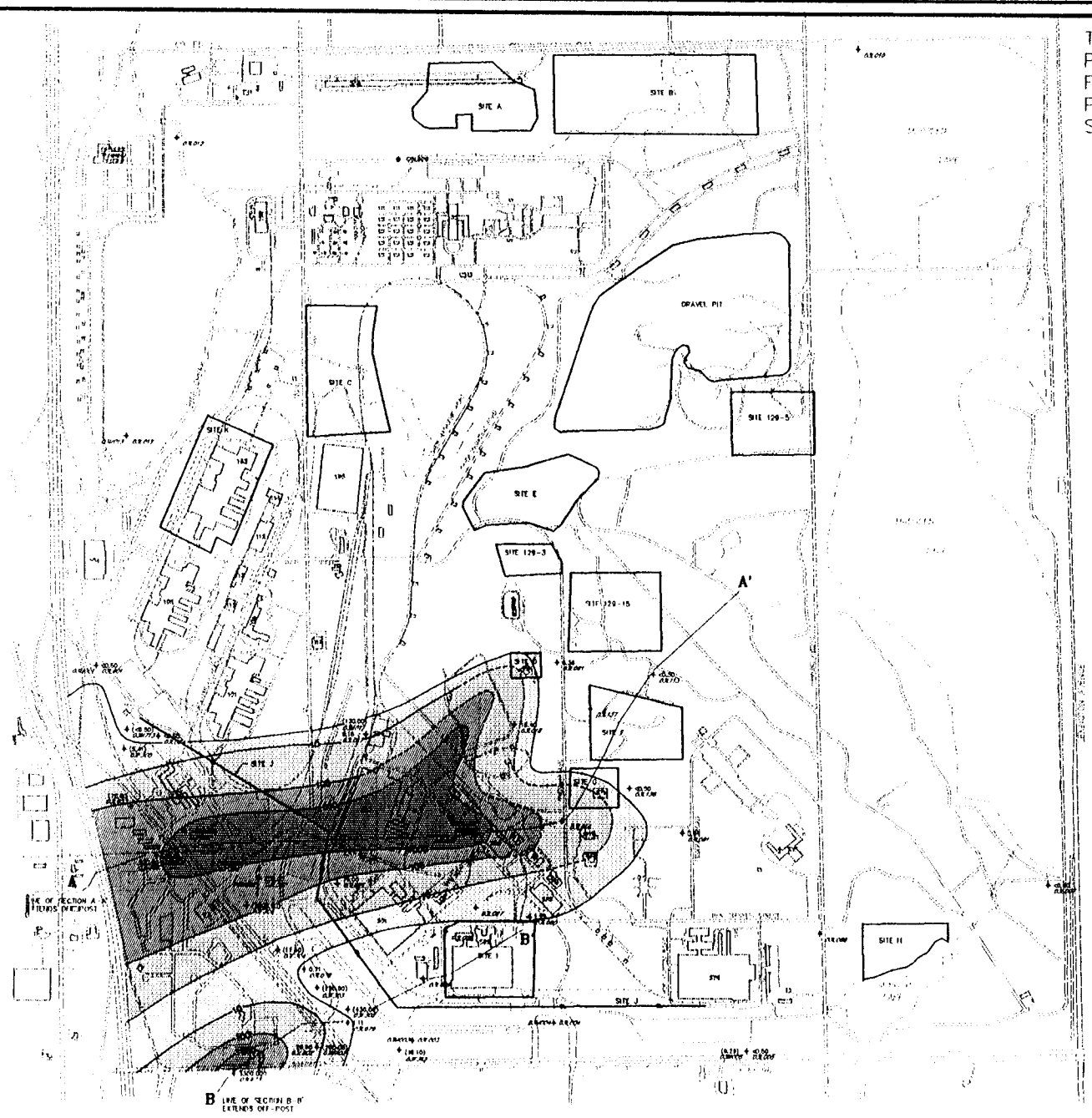
Fig. IV-34



THIS FIGURE IS A REDUCTION OF PLAN SHEET 18 AND IS INCLUDED FOR GENERAL INFORMATION ONLY. PLEASE REFER TO THE PLAN SHEET FOR DETAILED REVIEW.

FY 1994

SCALE IN FEET

LEGEND

- MONITORING WELL LOCATION
- RECOVERY WELL LOCATION
- ABANDONED WELL LOCATION
- SITE BOUNDARY
- WATER SYMBOL
- ROAD
- TRICHLOROETHENE CONCENTRATION (ug/l) (VALUES IN PARENTHESES WERE NOT USED FOR CONTOURING PURPOSES)
- ISOCONCENTRATION CONTOUR (ug/l)
- ESTIMATED ISOCONCENTRATION CONTOUR (ug/l)
- CROSS SECTION LINE

NOTES:
1. ALL LOWER UNIT 3 WELLS AT THE SITE ARE SHOWN.
2. MIDDLE UNIT 3 WELLS WITH DATA FOR QUARTER 42 ARE SHOWN WITH DATA IN PARENTHESES, BUT WERE NOT USED FOR CONTOURING.
3. OSF RECOVERY WELLS ARE SHOWN WITH DATA IN PARENTHESES, BUT WERE NOT USED FOR CONTOURING.
4. RECOVERY WELL NAME CONVERSIONS:

OSF302	B-1
OSF303	B-2
OSF304	B-3
OSF305	B-4
OSF306	B-5
OSF307	B-6
OSF308	B-7
OSF312	B-11

5. A TRICHLOROETHENE CONCENTRATION OF 4700.00 ug/l WAS ASSIGNED AT 03L020 FOR CONTOURING PURPOSES. THIS WAS THE CONCENTRATION ON AUGUST 17, 1988, THE LAST TIME THIS WELL WAS SAMPLED.

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TWIN CITIES ARMY AMMUNITION PLANT
ARDEN HILLS, MN 55112

FISCAL YEAR 1994 ANNUAL MONITORING REPORT

ON-POST, TRICHLOROETHENE LOWER UNIT 3, SPRING 1994 (Q42)

SCALE	DRAWN	APPROVED BY	DATE	DRAWING NO	SHEET NO
1:6000	DLH	LRO	9-1-95	CHLTRCLE.DWG	18

TWIN CITIES ARMY AMMUNITION PLANT

On Post, Trichloroethene, Lower Unit 3, Spring 1994 (Q42)

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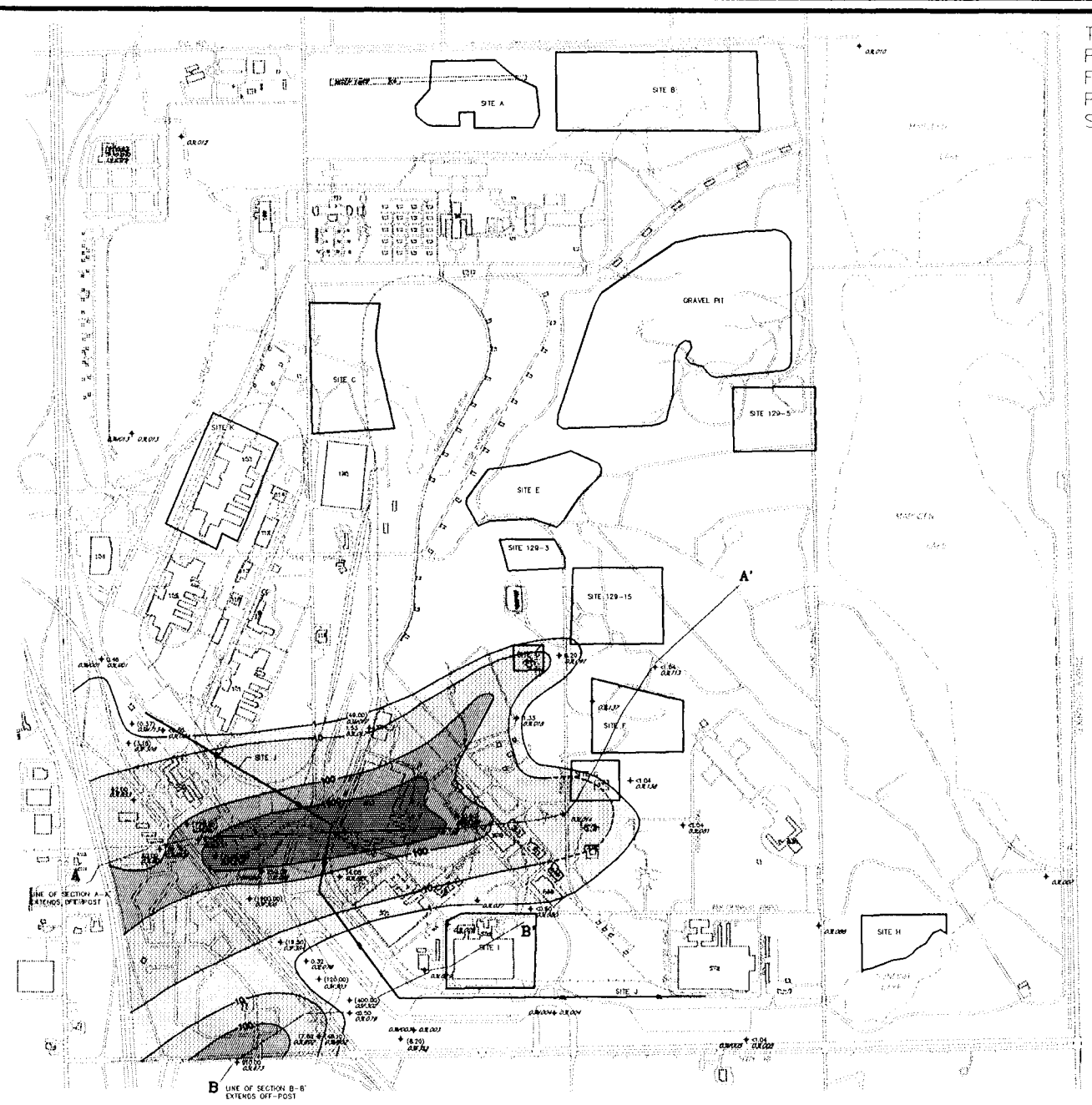

THIS FIGURE IS A REDUCTION OF PLAN SHEET 29 AND IS INCLUDED FOR GENERAL INFORMATION ONLY. PLEASE REFER TO THE PLAN SHEET FOR DETAILED REVIEW.

FY 1995

SCALE IN FEET

LEGEND

- MONITORING WELL LOCATION
- RECOVERY WELL LOCATION
- ABANDONED WELL LOCATION
- SITE BOUNDARY
- WATER SYMBOL
- ROAD
- TRICHLOROETHENE CONCENTRATION (ug/l) (VALUES IN PARENTHESES WERE NOT USED FOR CONTOURING PURPOSES)
- ISOCONCENTRATION CONTOUR (ug/l)
- ESTIMATED ISOCONCENTRATION CONTOUR (ug/l)
- CROSS SECTION LINE
- BUILDING REMOVED

NOTES:
1. ALL LOWER UNIT 3 WELLS AT THE SITE ARE SHOWN.
2. MIDDLE UNIT 3 WELLS WITH DATA FOR QUARTER 46 ARE SHOWN WITH DATA IN PARENTHESES, BUT WERE NOT USED FOR CONTOURING.
3. OSF RECOVERY WELLS ARE SHOWN WITH DATA IN PARENTHESES, BUT WERE NOT USED FOR CONTOURING.
4. RECOVERY WELL NAME CONVERSIONS:

OSF302	B-1
OSF303	B-2
OSF304	B-3
OSF305	B-4
OSF306	B-5
OSF307	B-6
OSF308	B-7
OSF312	B-11

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FISCAL YEAR 1995 ANNUAL MONITORING REPORT

OU2, UPPER UNIT 3 TRICHLOROETHENE ISOCONCENTRATION MAP, SPRING 1995 (Q46)

SCALE	DRAWN	APPROVED BY	DATE	DRAWING NO	SHEET NO
1:6000	DLH	WPJ	8-16-95	CHLTRCLE.DWG	29

TWIN CITIES ARMY AMMUNITION PLANT

OU2, Lower Unit 3 Trichloroethene Isoconcentration Map, Spring 1995 (Q46)

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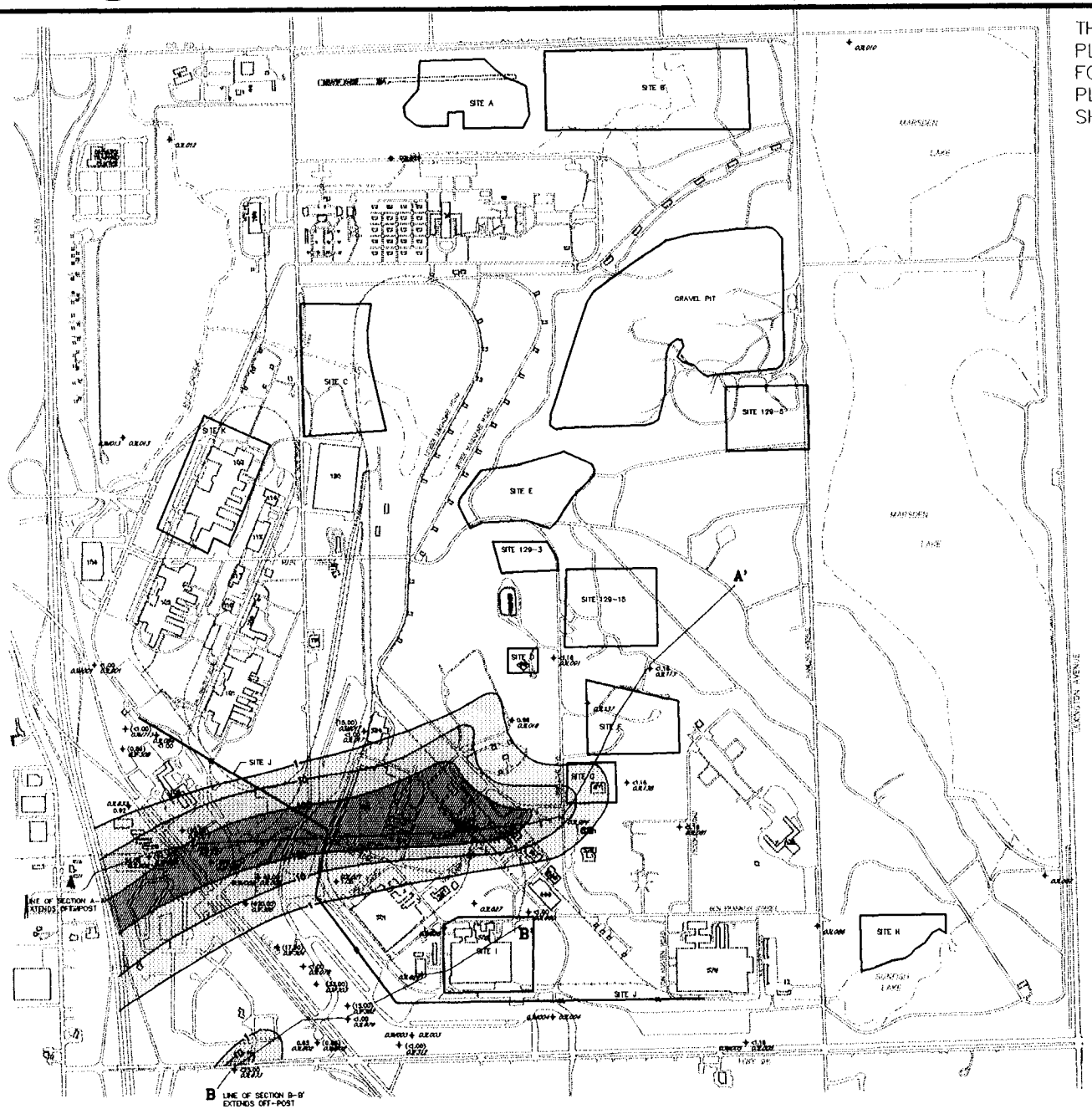
Fig. IV-35



THIS FIGURE IS A REDUCTION OF PLAN SHEET 30 AND IS INCLUDED FOR GENERAL INFORMATION ONLY. PLEASE REFER TO THE PLAN SHEET FOR DETAILED REVIEW.

N

400 0 400 800
SCALE IN FEET

LEGEND

- MONITORING WELL LOCATION
- RECOVERY WELL LOCATION
- ABANDONED WELL LOCATION
- SITE BOUNDARY
- WATER SYMBOL
- ROAD
- 1,1,1-TRICHLOROETHANE CONCENTRATION (ug/l) (VALUES IN PARENTHESES WERE NOT USED FOR CONTOURING PURPOSES)
- ISOCONCENTRATION CONTOUR (ug/l)
- ESTIMATED ISOCONCENTRATION CONTOUR (ug/l)
- CROSS SECTION LINE
- BUILDING REMOVED

NOTES:
1. ALL LOWER UNIT 3 WELLS AT THE SITE ARE SHOWN.
2. MIDDLE UNIT 3 WELLS WITH DATA FOR QUARTER 46 ARE SHOWN WITH DATA IN PARENTHESES, BUT WERE NOT USED FOR CONTOURING.
3. 03F RECOVERY WELLS ARE SHOWN WITH DATA IN PARENTHESES, BUT WERE NOT USED FOR CONTOURING.
4. RECOVERY WELL NAME CONVERSIONS:

03F302	B-1
03F303	B-2
03F304	B-3
03F305	B-4
03F306	B-5
03F307	B-6
03F308	B-7
03F312	B-11

5. THE CONTOUR AROUND 03L673 IS BASED ON CROSS-SECTION B – B' ON PLAN SHEET 15.

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FISCAL YEAR 1995 ANNUAL MONITORING REPORT

OU2, LOWER UNIT 3 1,1,1,-TRICHLOROETHANE ISOCONCENTRATION MAP, SPRING 1995 (Q46)

SCALE	DRAWN	APPROVED BY	DATE	DRAWING NO	SHEET NO
1:6000	DLM	WPJ	8-15-96	OU111TC.DWG	30

TWIN CITIES ARMY AMMUNITION PLANT

OU2, Lower Unit 3 1,1,1-Trichloroethane Isoconcentration Map, Spring 1995 (Q46)

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Fig. IV-36

THIS FIGURE IS A REDUCTION OF PLAN SHEET 22 AND IS INCLUDED FOR GENERAL INFORMATION ONLY. PLEASE REFER TO THE PLAN SHEET FOR DETAILED REVIEW.

FY 1994

SCALE IN FEET

LEGEND

- MONITORING WELL LOCATION
- RECOVERY WELL LOCATION
- SITE BOUNDARY
- WATER SYMBOL
- ROAD
- TRICHLOROETHENE CONCENTRATION (ug/l) (VALUES IN PARENTHESES WERE NOT USED FOR CONTOURING PURPOSES)
- ISOCONCENTRATION CONTOUR (ug/l)
- ESTIMATED ISOCONCENTRATION CONTOUR (ug/l)
- CROSS SECTION LINE

NOTES:

1. ALL UNIT 4 WELLS AT THE SITE ARE SHOWN.
2. ALL O4J WELLS (JORDAN WELLS) WITH DATA FOR QUARTER 42 ARE SHOWN WITH DATA IN PARENTHESES, BUT WERE NOT USED FOR CONTOURING.
3. ALL PJ# RECOVERY WELLS ARE SHOWN WITH DATA IN PARENTHESES, BUT WERE NOT USED FOR CONTOURING.
4. PJ# MONITORING WELLS WITH DATA FOR QUARTER 42 ARE SHOWN WITH DATA IN PARENTHESES, BUT WERE NOT USED FOR CONTOURING.
5. RECOVERY WELL NAME CONVERSIONS:

PJ# 309	B-8
PJ# 310	B-9
PJ# 311	B-10
PJ# 313	B-12

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FISCAL YEAR 1994 ANNUAL MONITORING REPORT

ON-POST, TRICHLOROETHENE, UPPER UNIT 4, SPRING 1994 (Q42)

SCALE	DRAWN	APPROVED BY	DATE	DRAWING NO	SHEET NO
1:6000	DLM	LRO	8-1-95	N4UTRCLP.DWG	22

TWIN CITIES ARMY AMMUNITION

On Post, Trichloroethene, Upper Unit 4, Spring 1994 (Q42)

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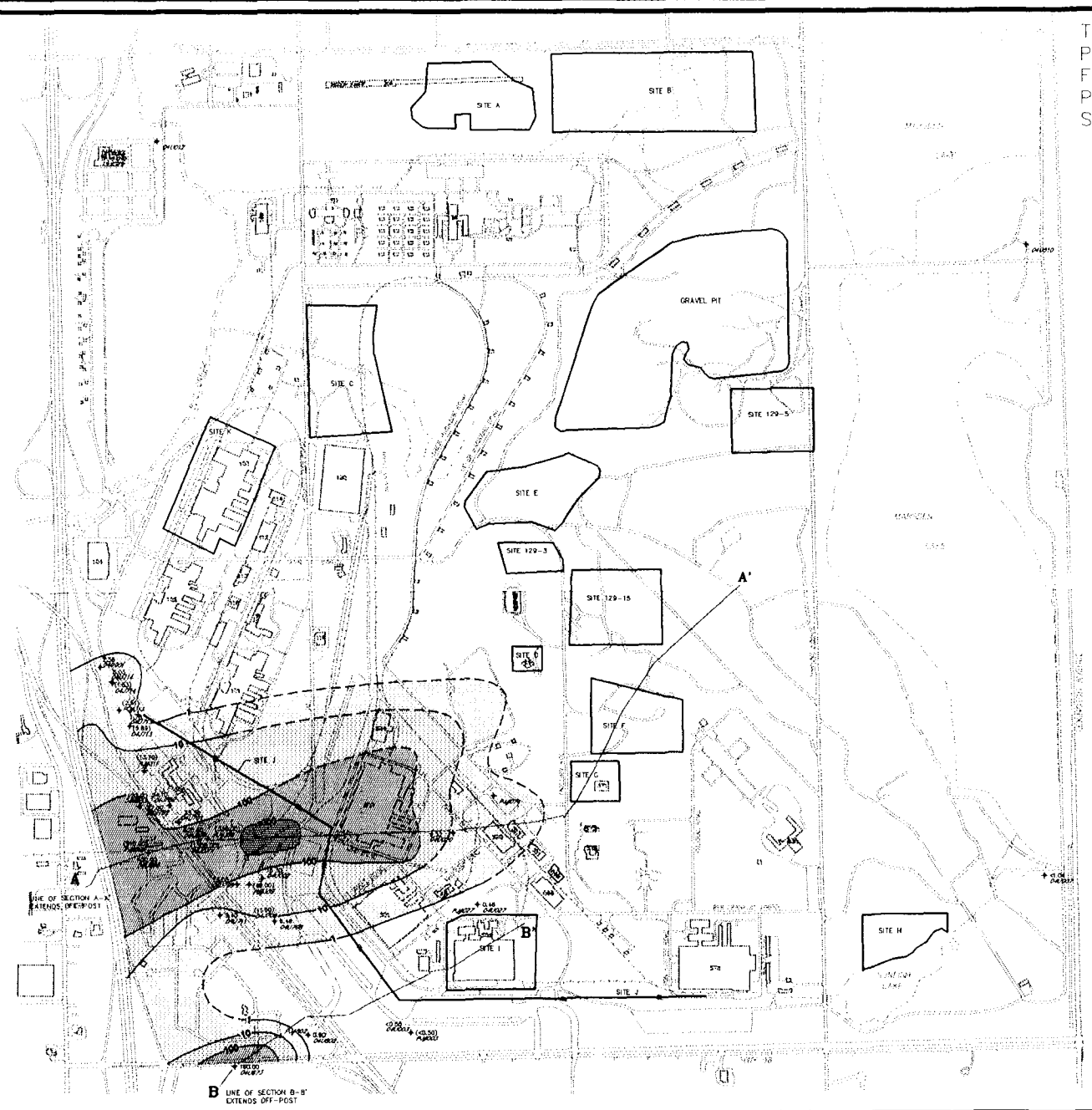

THIS FIGURE IS A REDUCTION OF PLAN SHEET 31 AND IS INCLUDED FOR GENERAL INFORMATION ONLY. PLEASE REFER TO THE PLAN SHEET FOR DETAILED REVIEW.

FY 1995

SCALE IN FEET

LEGEND

- MONITORING WELL LOCATION
- RECOVERY WELL LOCATION
- SITE BOUNDARY
- WATER SYMBOL
- ROAD
- TRICHLOROETHENE CONCENTRATION (ug/l) (VALUES IN PARENTHESES WERE NOT USED FOR CONTOURING PURPOSES)
- ISOCONCENTRATION CONTOUR (ug/l)
- ESTIMATED ISOCONCENTRATION CONTOUR (ug/l)
- CROSS SECTION LINE
- BUILDING REMOVED

NOTES:

1. ALL UNIT 4 WELLS AT THE SITE ARE SHOWN.
2. ALL O4J WELLS (JORDAN WELLS) WITH DATA FOR QUARTER 46 ARE SHOWN WITH DATA IN PARENTHESES, BUT WERE NOT USED FOR CONTOURING.
3. ALL PJ# RECOVERY WELLS ARE SHOWN WITH DATA IN PARENTHESES, BUT WERE NOT USED FOR CONTOURING.
4. PJ# MONITORING WELLS WITH DATA FOR QUARTER 46 ARE SHOWN WITH DATA IN PARENTHESES, BUT WERE NOT USED FOR CONTOURING.
5. RECOVERY WELL NAME CONVERSIONS:

PJ# 309	B-8
PJ# 310	B-9
PJ# 311	B-10
PJ# 313	B-12

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OU2, UPPER UNIT 4, TRICHLOROETHENE ISOCONCENTRATAION MAP SPRING 1995 (Q46)

SCALE	DRAWN	APPROVED BY	DATE	DRAWING NO	SHEET NO
1:6000	DLM	WPJ	8-16-96	N4UTRCLP.DWG	31

TWIN CITIES ARMY AMMUNITION PLANT

OU2, Upper Unit 4 Trichloroethene Isoconcentration Map, Spring 1995 (Q46)

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Fig. IV--37

THIS FIGURE IS A REDUCTION OF PLAN SHEET 32 AND IS INCLUDED FOR GENERAL INFORMATION ONLY. PLEASE REFER TO THE PLAN SHEET FOR DETAILED REVIEW.

LEGEND

- MONITORING WELL LOCATION
- RECOVERY WELL LOCATION
- SITE BOUNDARY
- WATER SYMBOL
- ROAD
- 1,1,1-TRICHLOROETHANE CONCENTRATION (ug/l) (VALUES IN PARENTHESES WERE NOT USED FOR CONTOURING PURPOSES)
- ISOCONCENTRATION CONTOUR (ug/l)
- ESTIMATED ISOCONCENTRATION CONTOUR (ug/l)
- CROSS SECTION LINE
- BUILDING REMOVED

NOTES:
1. ALL UNIT 4 WELLS AT THE SITE ARE SHOWN.
2. ALL OU4 WELLS (JORDAN WELLS) WITH DATA FOR QUARTER 46 ARE SHOWN WITH DATA IN PARENTHESES, BUT WERE NOT USED FOR CONTOURING.
3. ALL PU# RECOVERY WELLS ARE SHOWN WITH DATA IN PARENTHESES, BUT WERE NOT USED FOR CONTOURING.
4. PU# MONITORING WELLS WITH DATA FOR QUARTER 46 ARE SHOWN WITH DATA IN PARENTHESES, BUT WERE NOT USED FOR CONTOURING.
5. RECOVERY WELL NAME CONVERSIONS:

PU#309	B-8
PU#310	B-9
PU#311	B-10
PU#313	B-12

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FISCAL YEAR 1995 ANNUAL MONITORING REPORT

OU2, UPPER UNIT 4 1,1,1-TRICHLOROETHANE ISOCONCENTRATION MAP, SPRING 1995 (Q46)

SCALE	DRAWN	APPROVED BY	DATE	DRAWING NO	SHEET NO
1:6000	DLM	WEJ	8-16-96	ON4U1111.DWG	32

TWIN CITIES ARMY AMMUNITION PLANT

OU2, Upper Unit 4 1,1,1-Trichloroethane Isoconcentration Map, Spring 1995 (Q46)

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Fig. IV-38

SITE D, 017 WELL NEST, TRICHLOROETHENE WATER QUALITY TRENDS

TWIN CITIES ARMY AMMUNITION PLANT

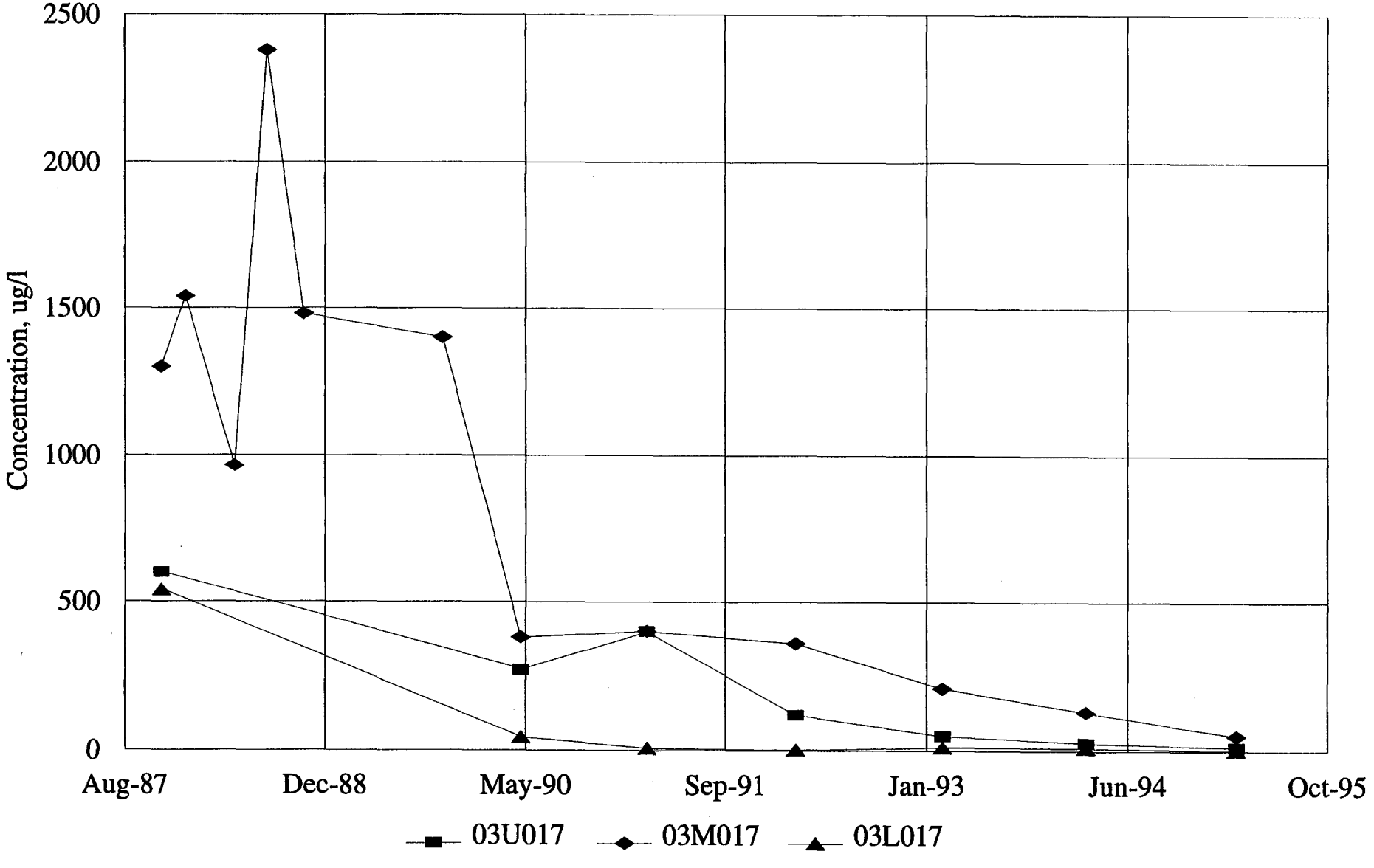


Figure IV - 39
Wenck Associates, Inc.

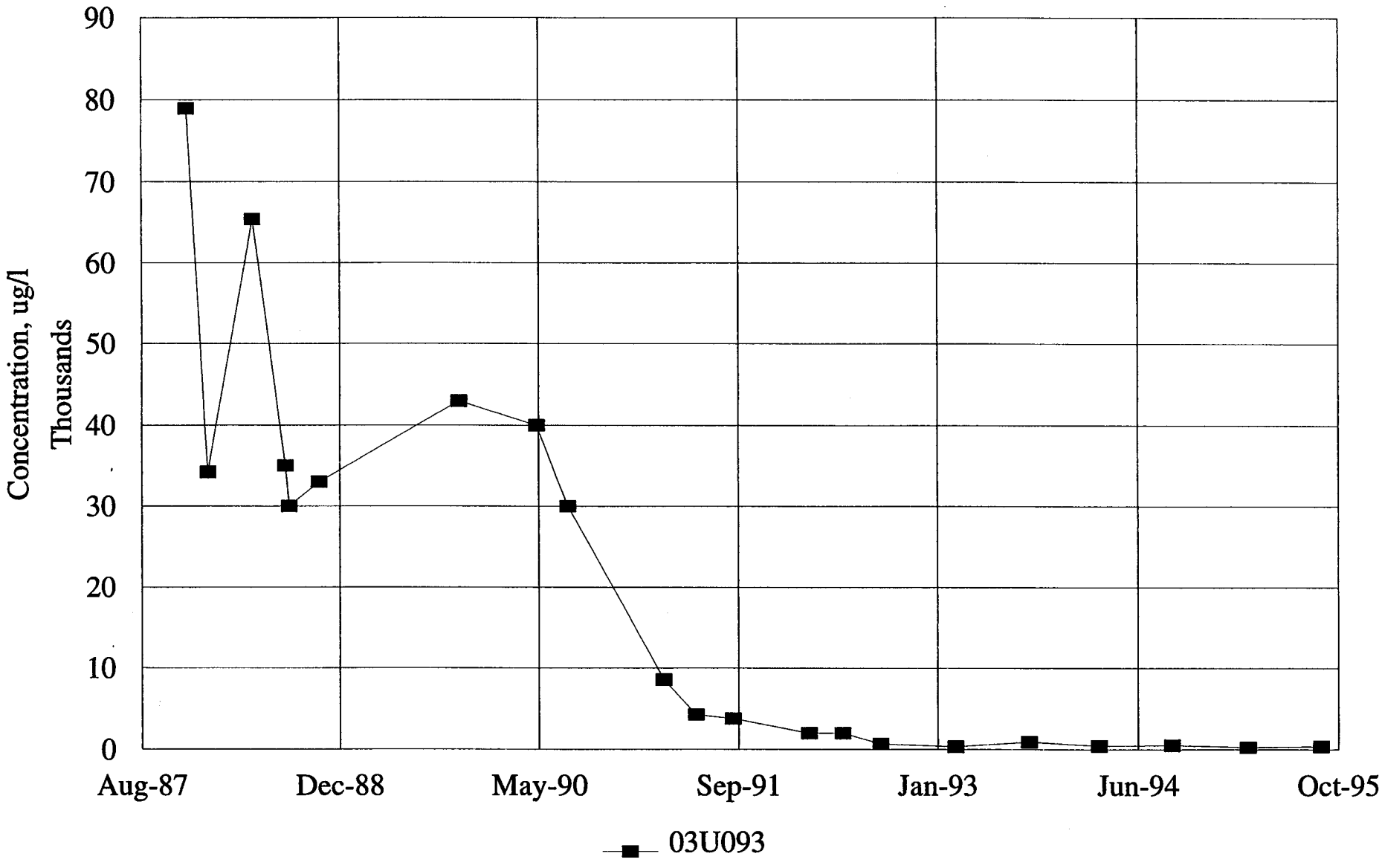


Figure IV-40
Wenck Associates, Inc.

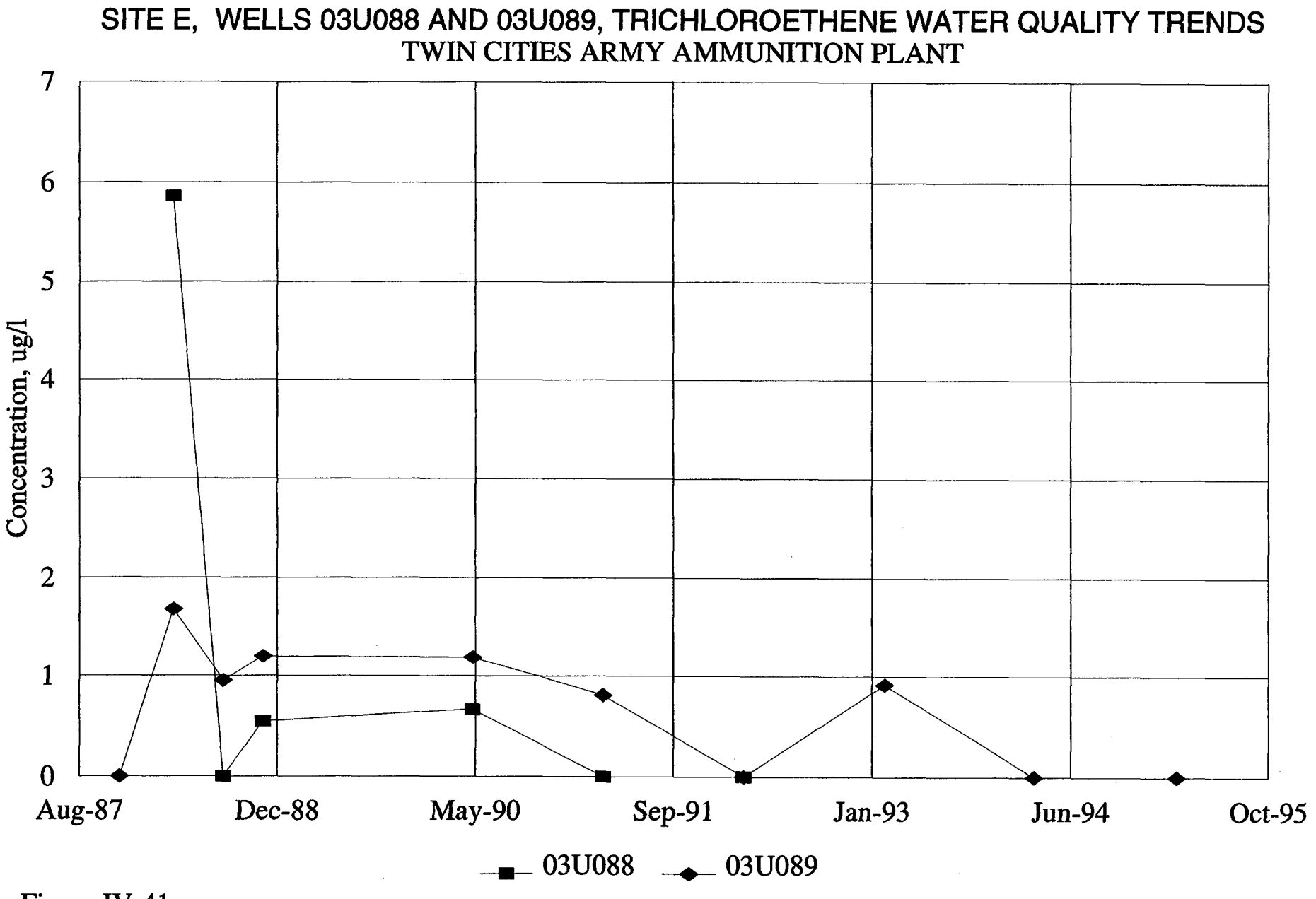


Figure IV-41
Wenck Associates, Inc.

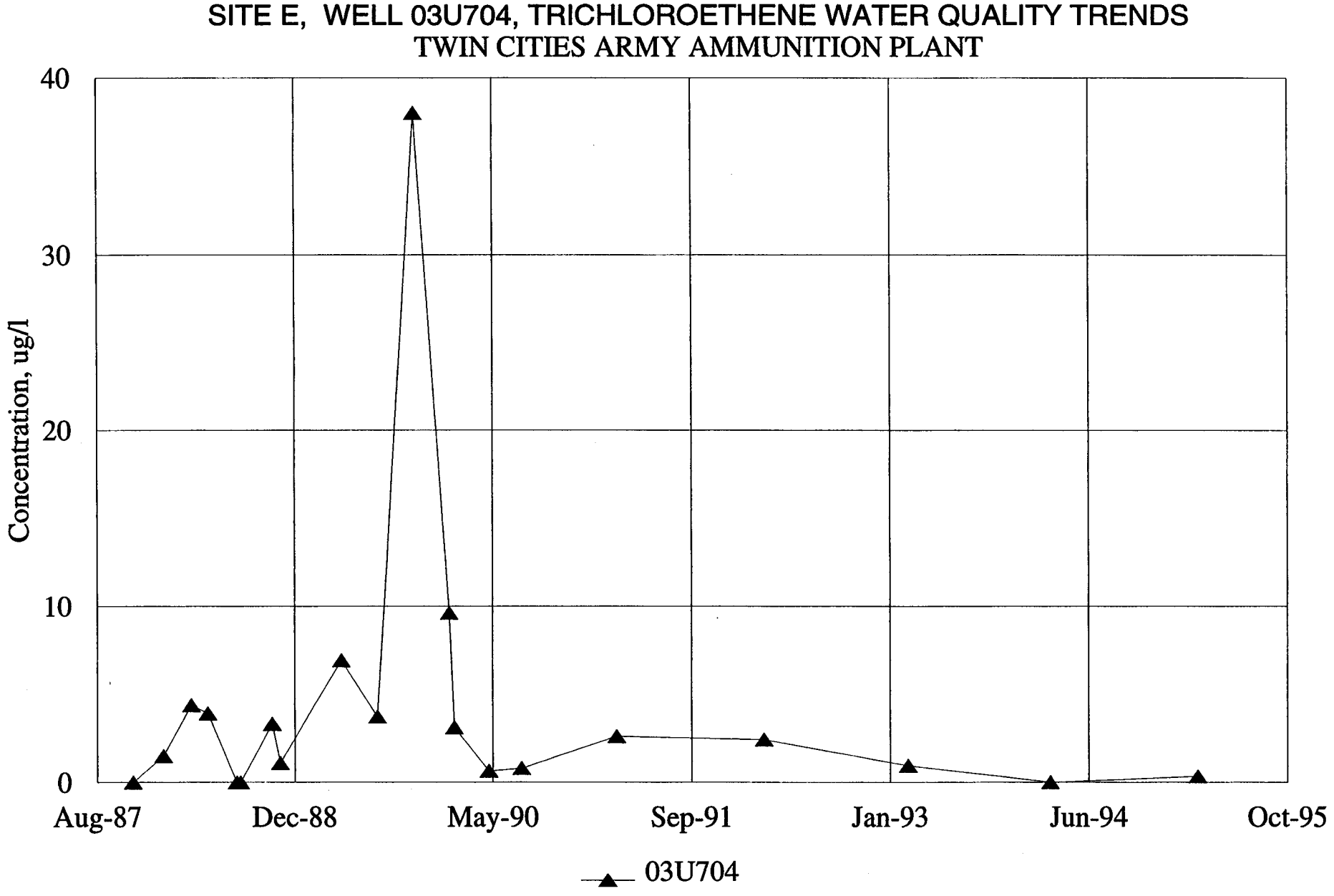


Figure IV-42
Wenck Associates, Inc.

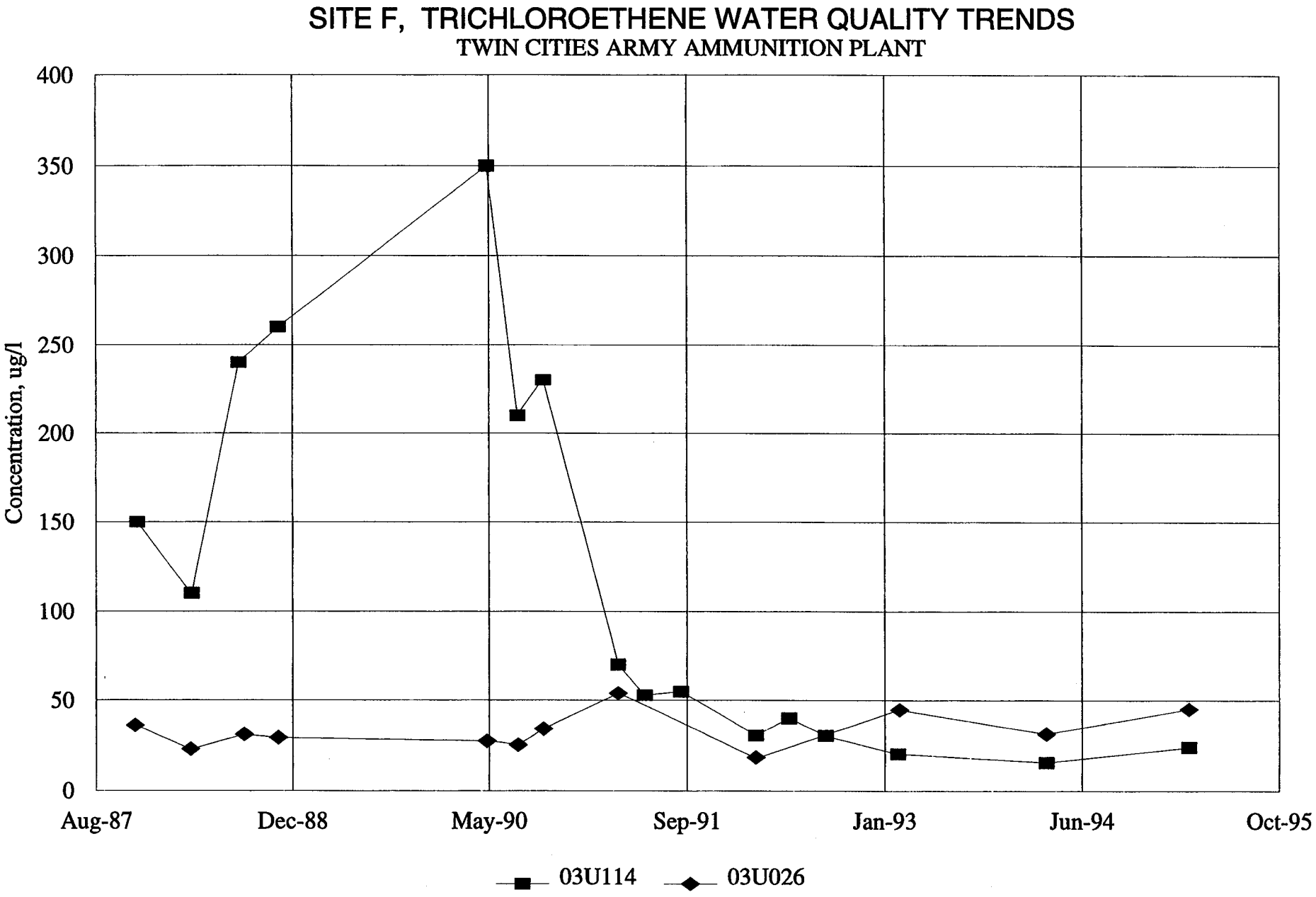


Figure IV-43
Wenck Associates, Inc.

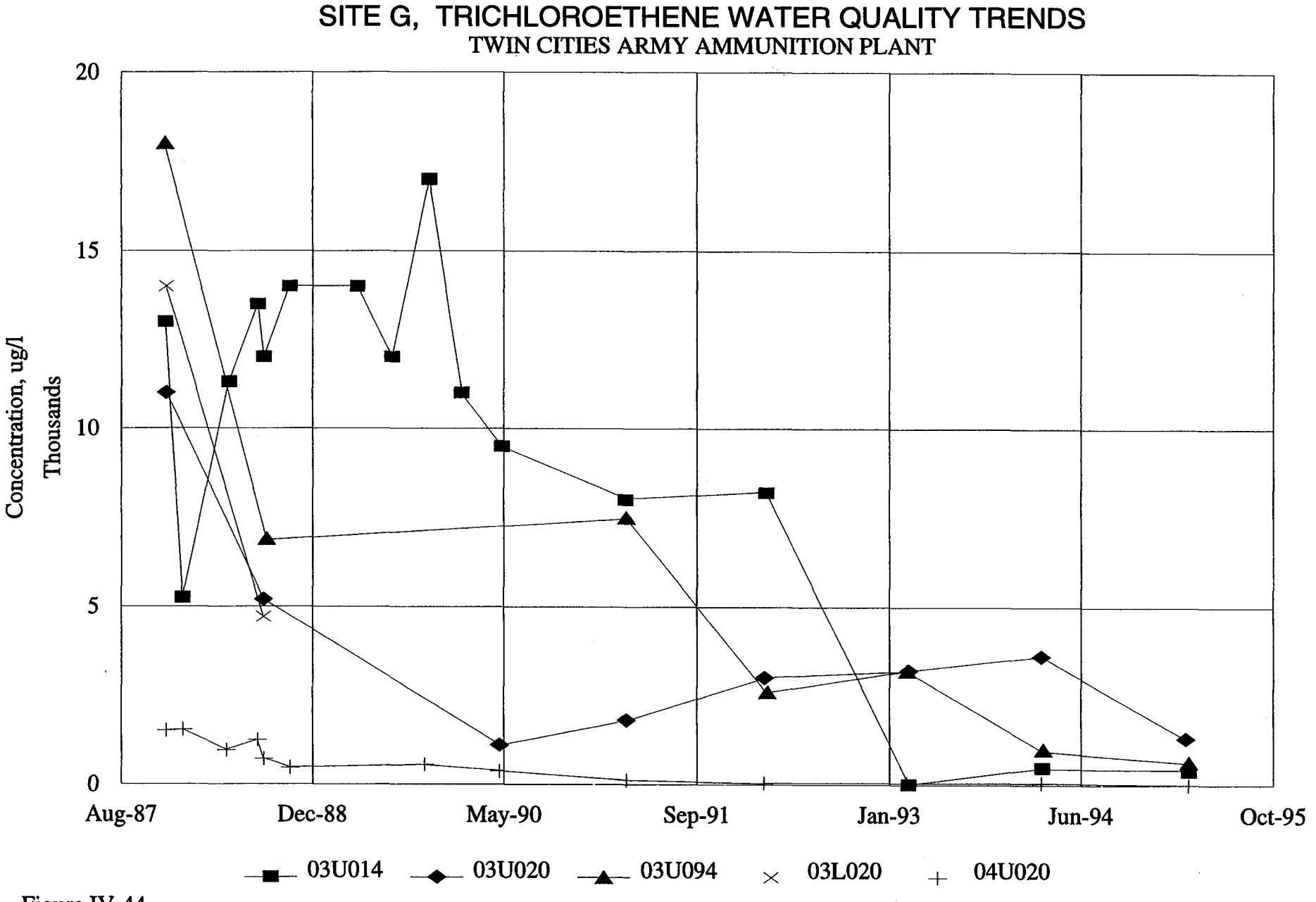


Figure IV-44
Wenck Associates, Inc.

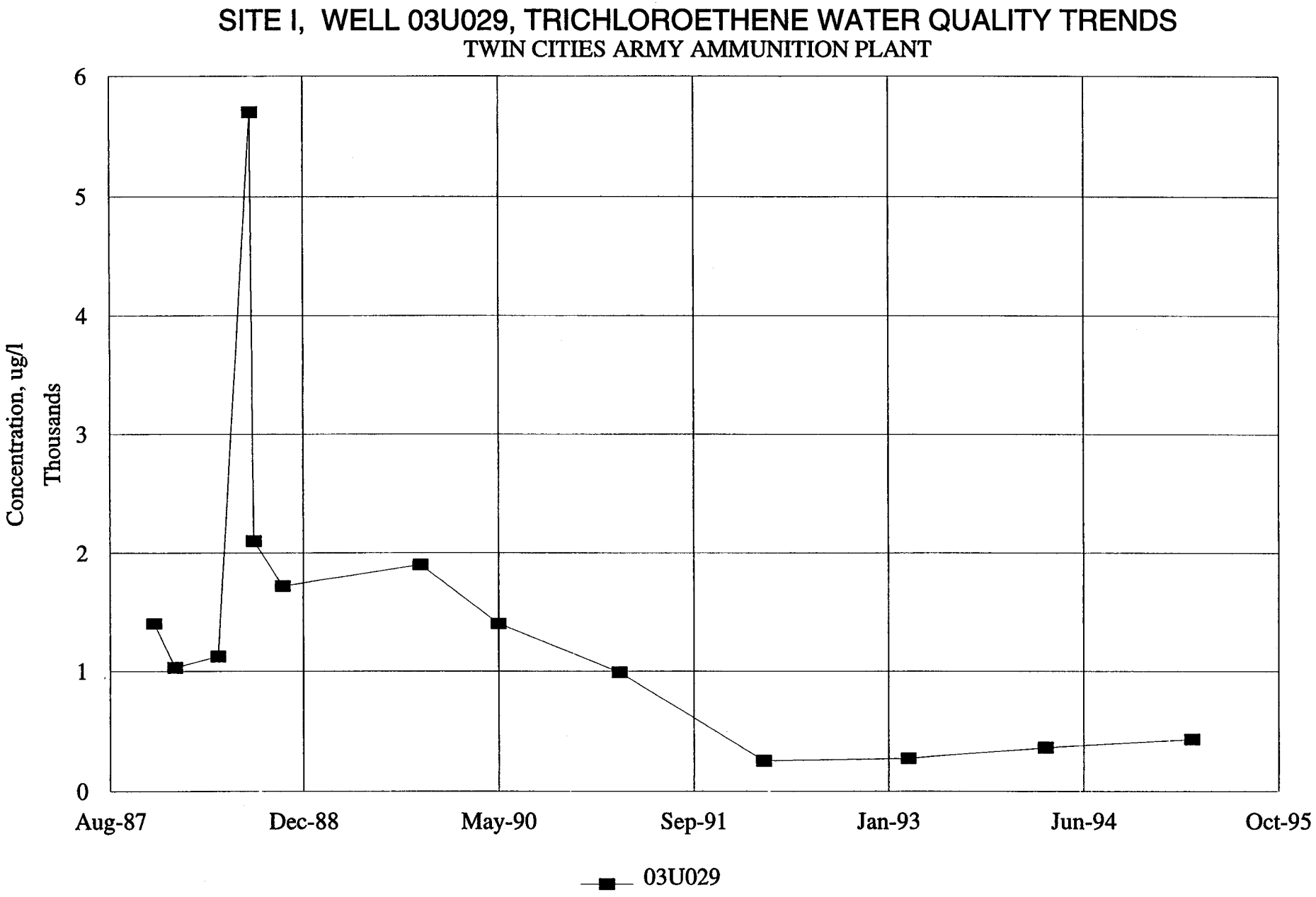


Figure IV-45
Wenck Associates, Inc.

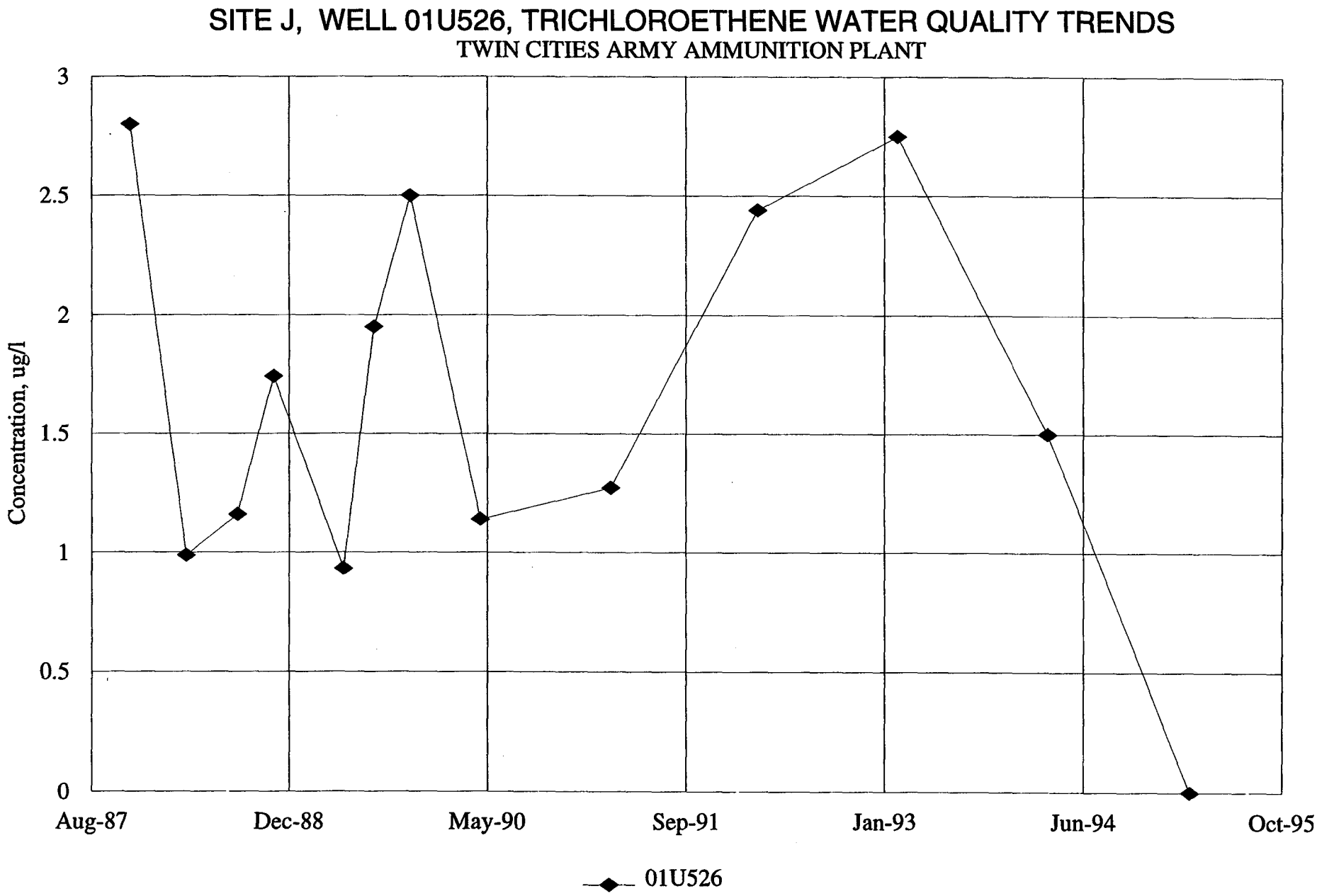
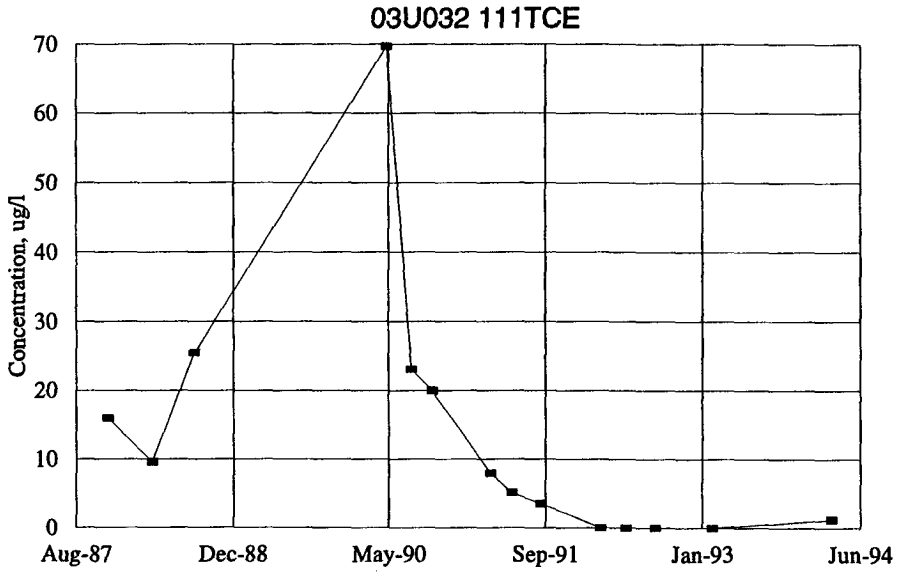
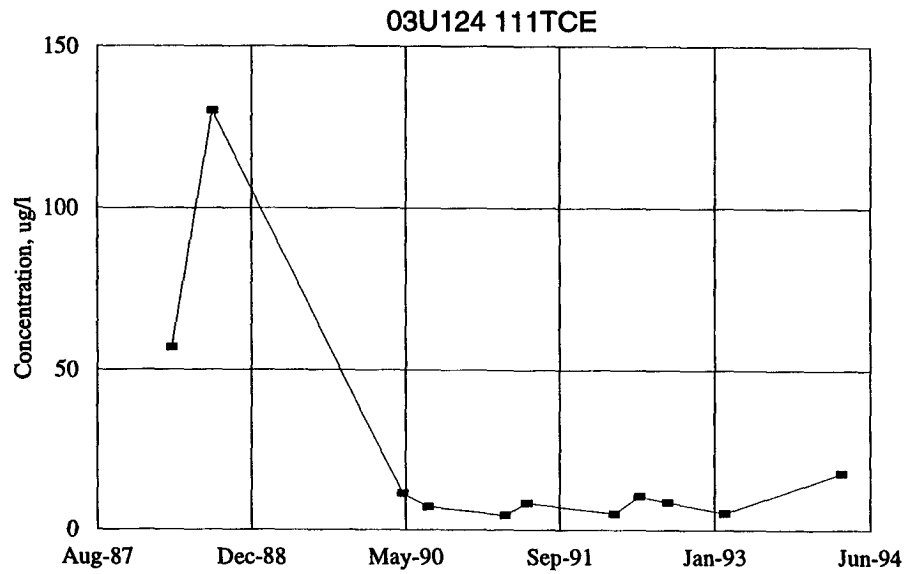


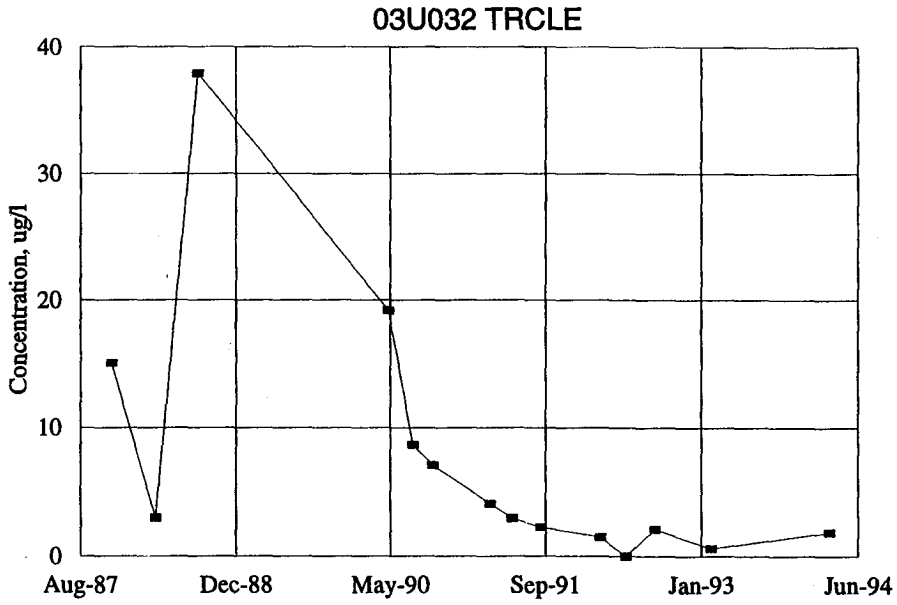
Figure IV-46
Wenck Associates, Inc.

SITE 129-15, TRICHLOROETHENE AND 1,1,1-TRICHLOROETHANE WATER QUALITY TRENDS

TWIN CITIES ARMY AMMUNITION PLANT







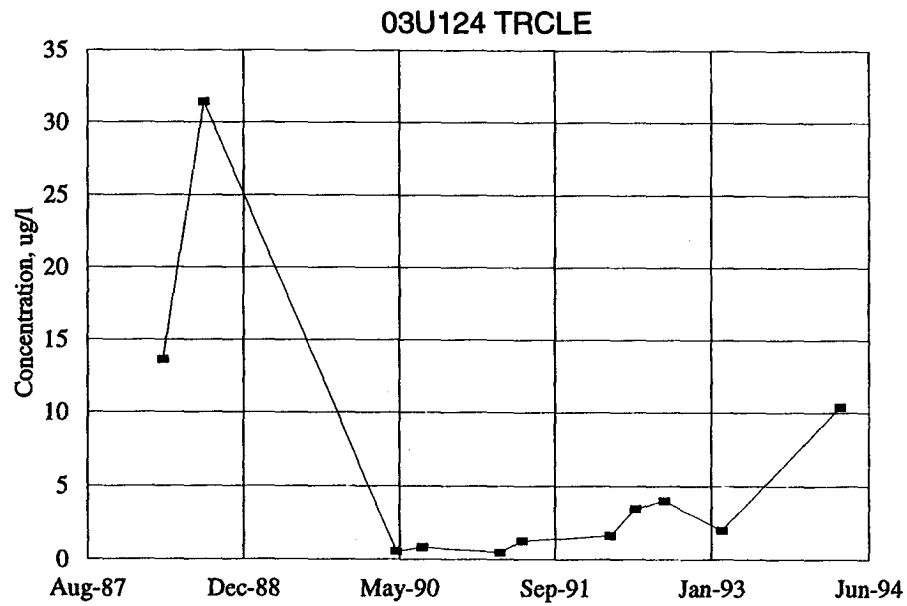
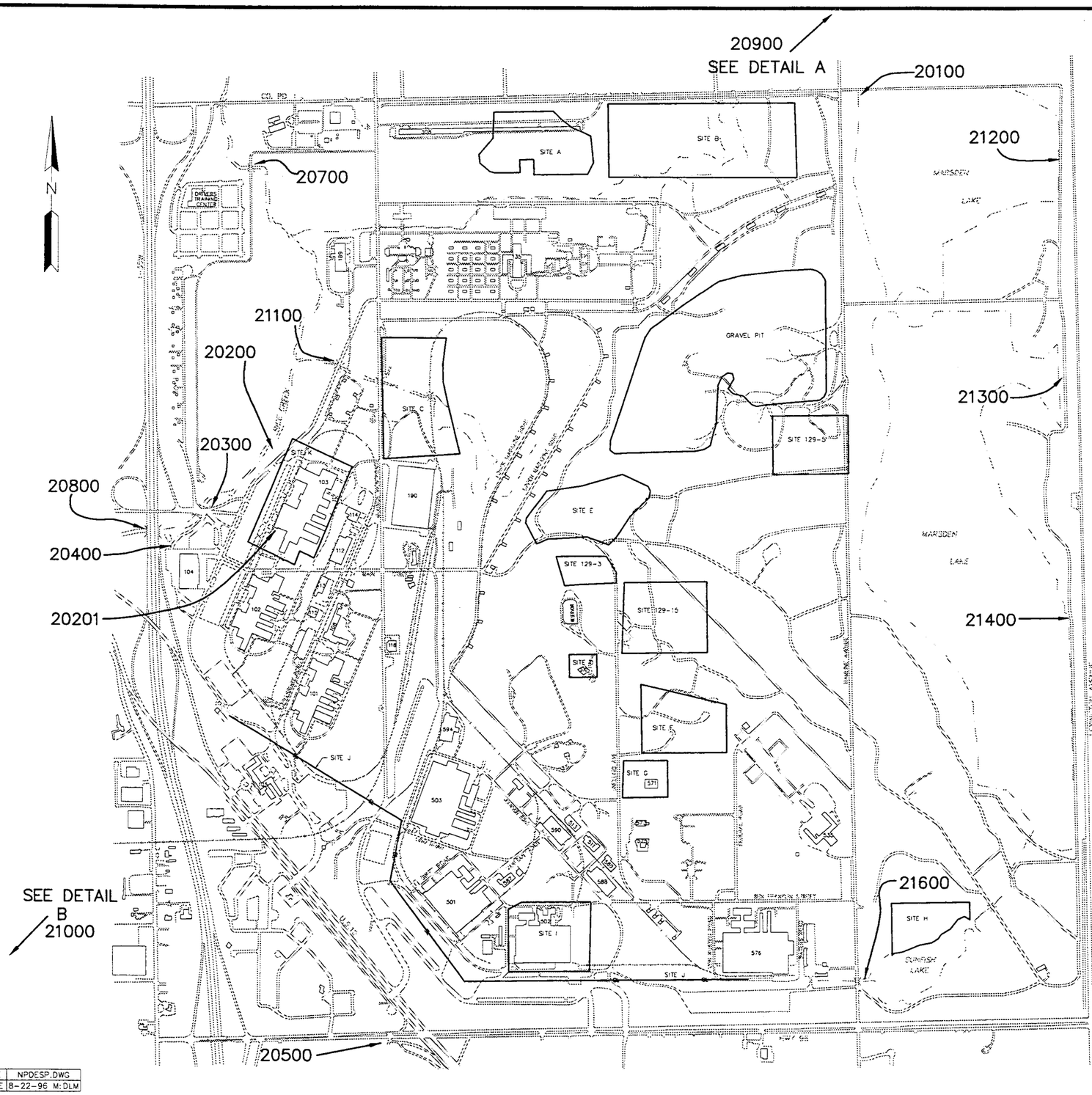
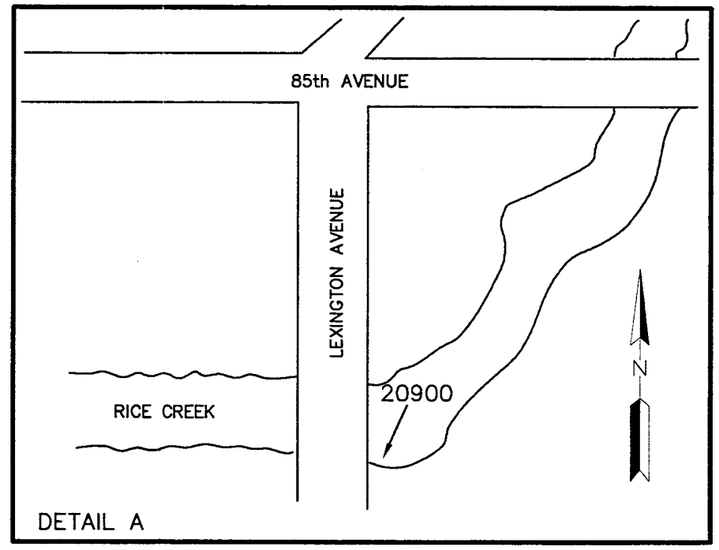
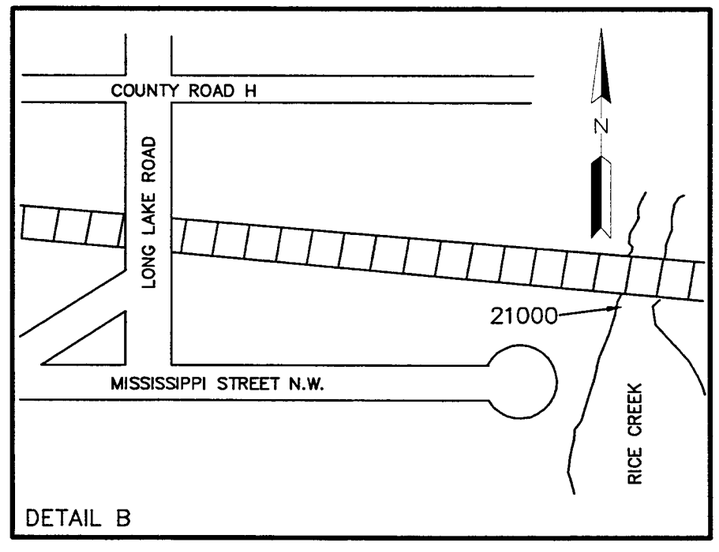


Figure IV-47

Wenck Associates, Inc. TRCLE is Trichloroethene, 111TCE is 1,1,1-Trichloroethane







SAMPLE LOCATION DESCRIPTIONS

20100 MARSDEN LK OUT	20200 BLDG 103/114 OUTFALL	20201 BLDG 103 EFFLUENT	20300 BLDG 113/115 OUTFALL	20400 BLDG 104/116 OUTFALL
20500 ROUND LK OUTFALL	20700 RICE CRK IN	20800 RICE CRK OUT	20900 RICE CRK & LEX	21000 RICE CRK & LONG LK
21100 CULVERT AREA RUNOFF	21200 N INLET LEX RUNOFF	21300 MID INLET LEX RUNOFF	21400 S INLET LEX RUNOFF	201600 HAMLINE RUNOFF

FILE NPDESP.DWG
DATE 8-22-96 M:DLM

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Surface Water Monitoring Locations

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Maple Plain, MN 55359

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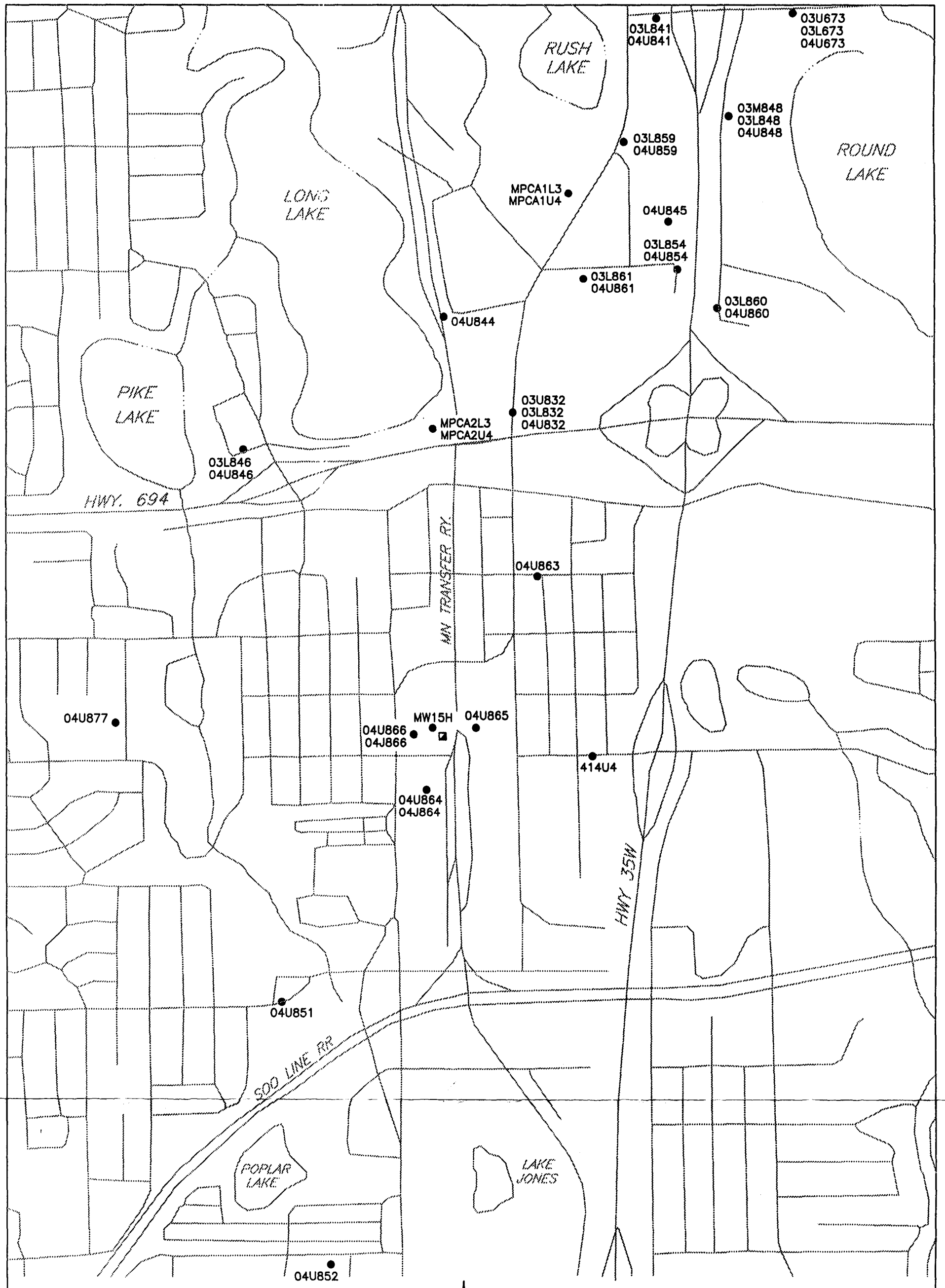
Figure No. IV-48



3877(A)–SEPT. 20/95–REV.0 (M–01)(MN)

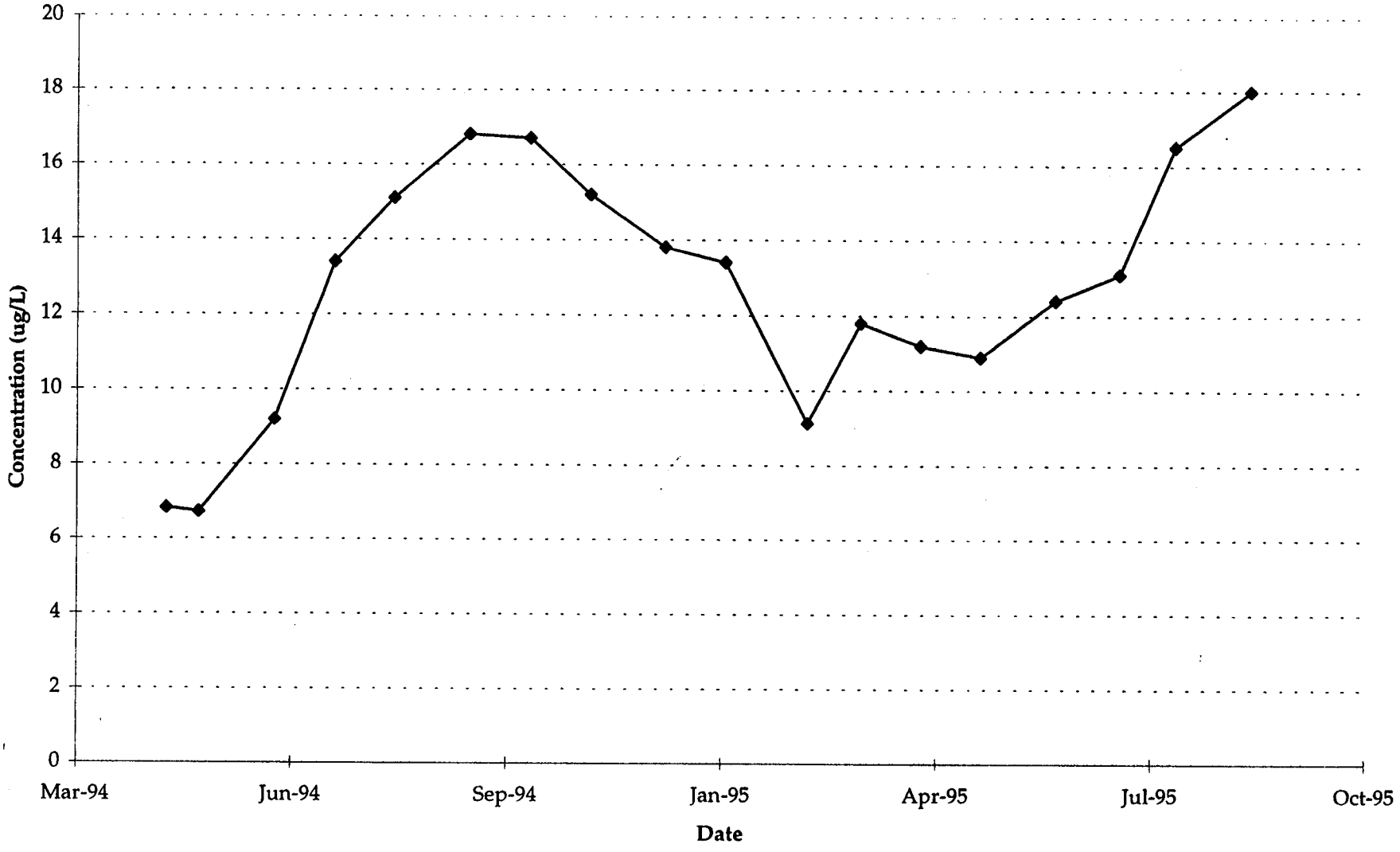


figure V–2
OU3 (PGRS) INFLUENT
TRCLE vs. TIME
Twin Cities Army Ammunition Plant

CRA

3877(A)–JULY 26/96–REV.0 (MN)

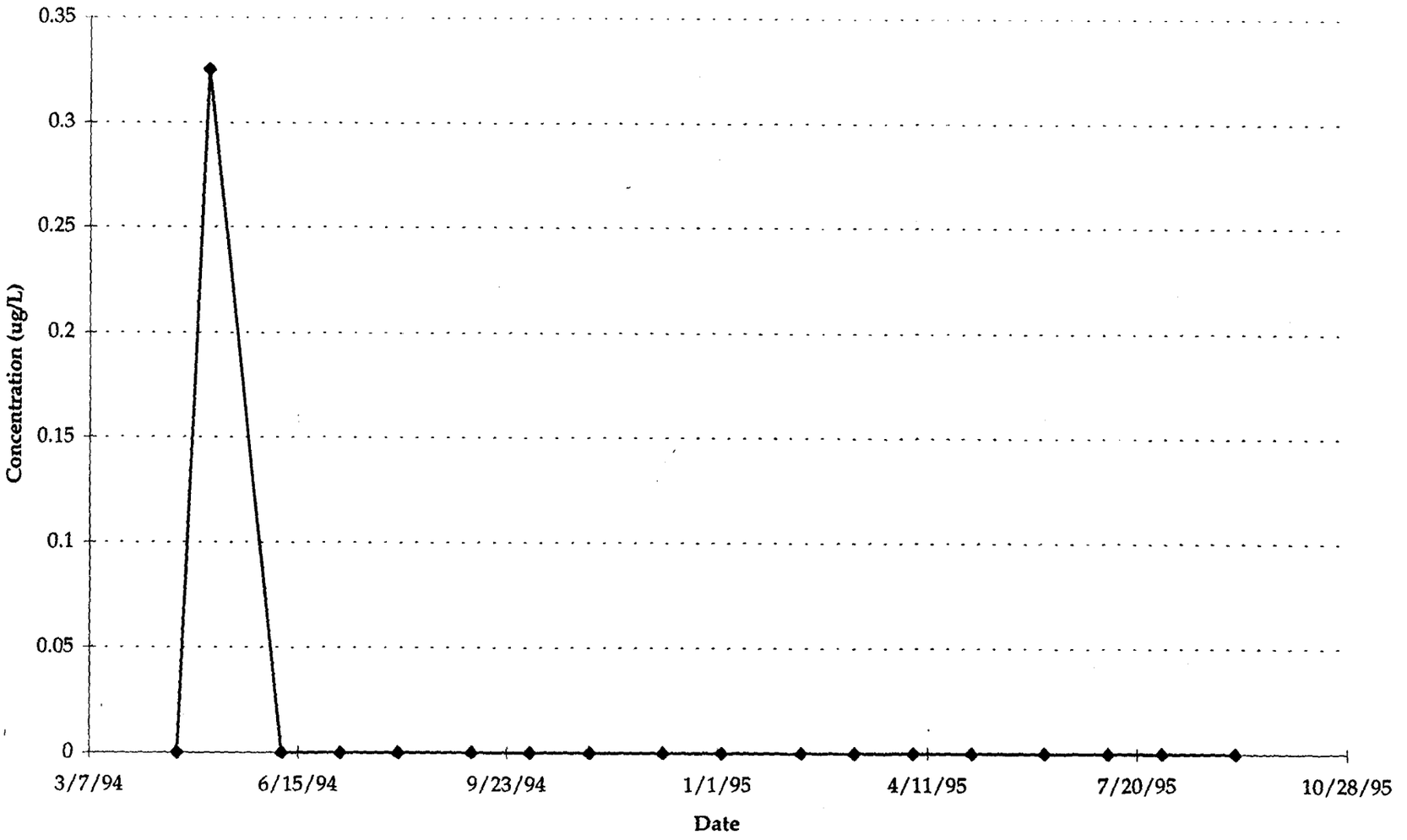


figure V–3
OU3 (PGRS) EFFLUENT
TRCLE vs. TIME
Twin Cities Army Ammunition Plant

CRA

3877(A)–JULY 26/96–REV.0 (MN)

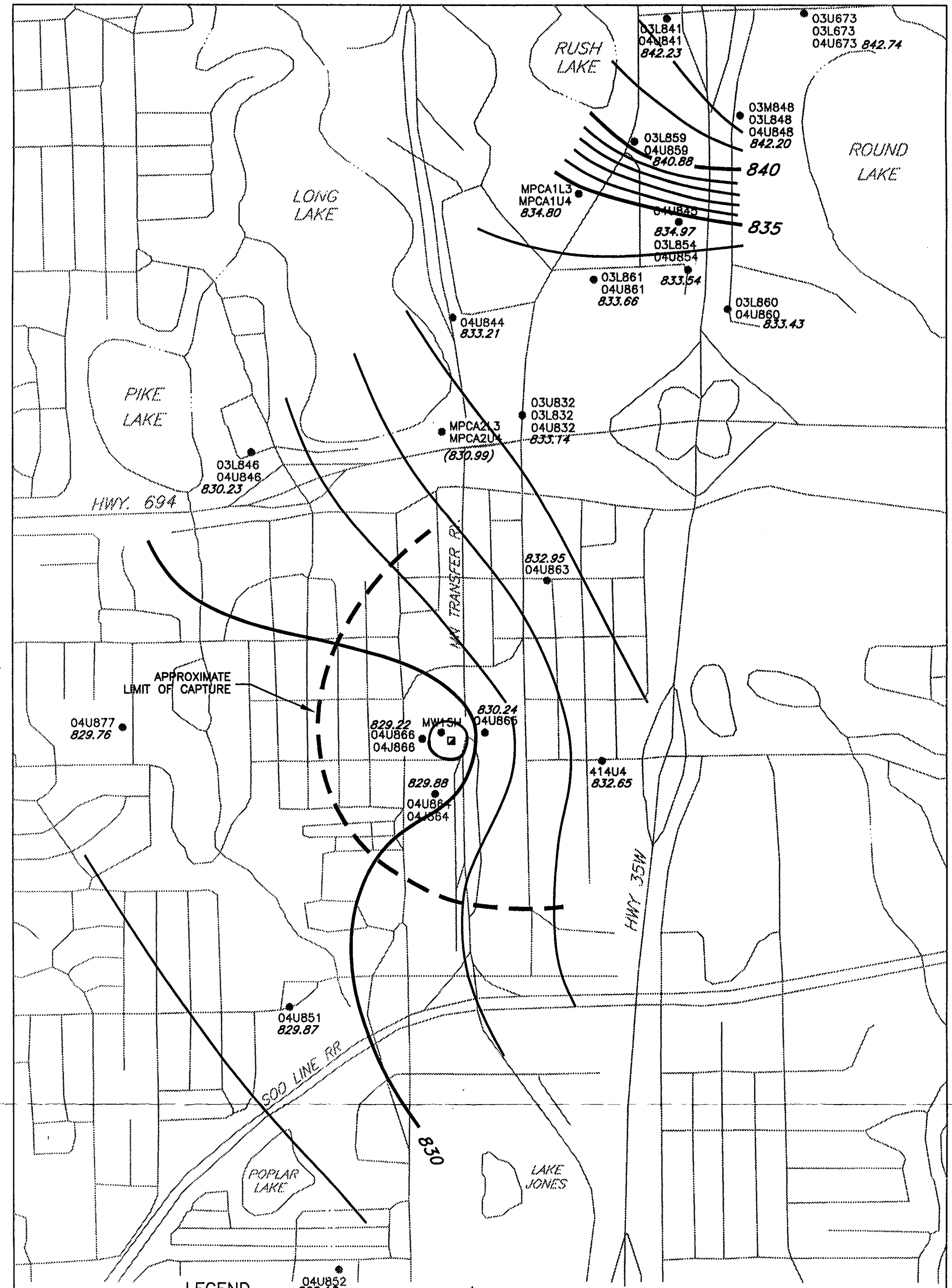


figure V–4
OU3 (PGRS), UNIT 4
GROUNDWATER CONTOURS
3–6–95 (Q46)
Twin Cities Army Ammunition Plant

3877(A)–SEPT. 20/95–REV.0 (M–02)(MN)

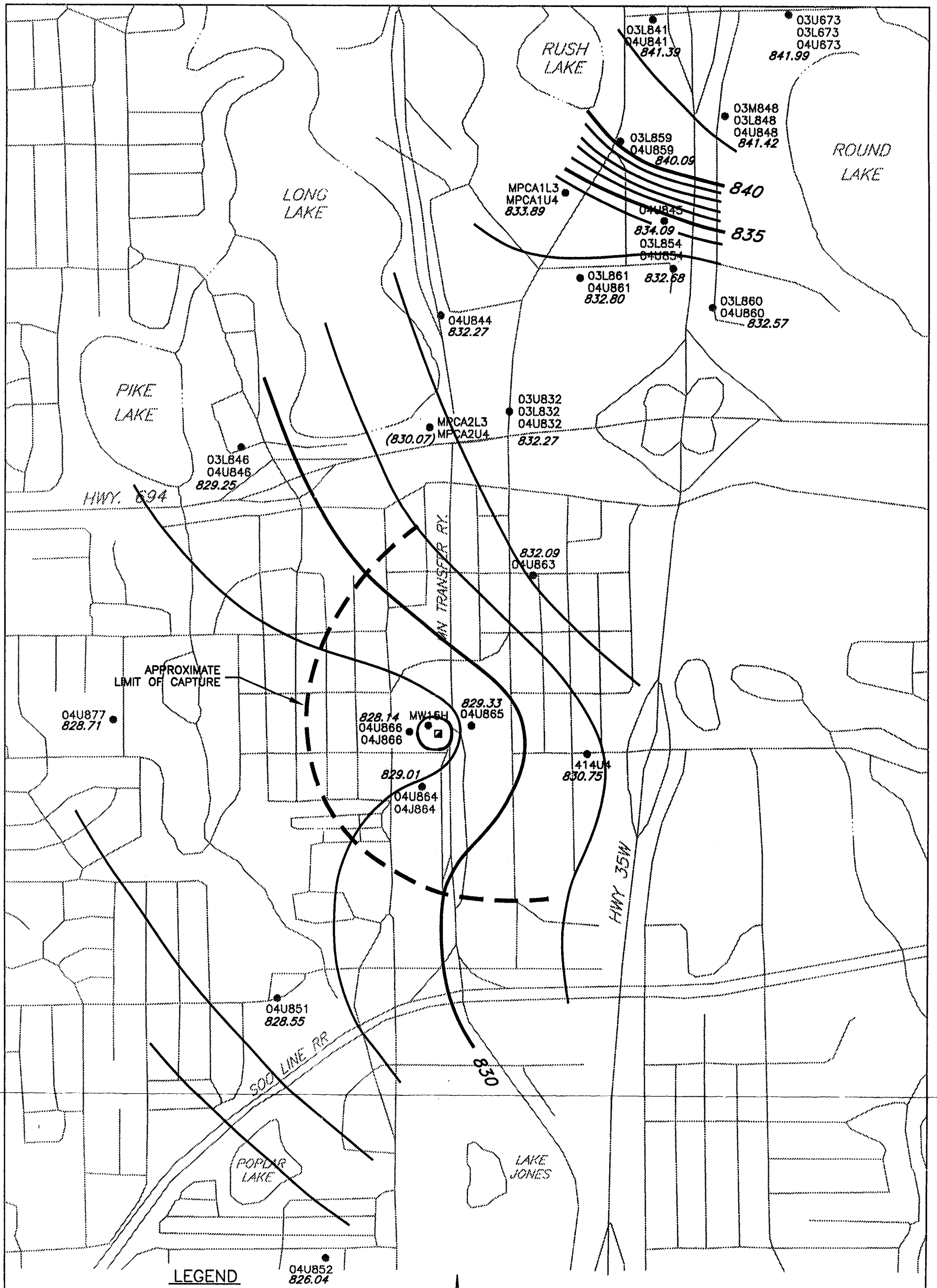


figure V-5
OU3 (PGRS), UNIT 4
GROUNDWATER CONTOURS
9-5-95 (Q48)
Twin Cities Army Ammunition Plant

3877(A)-SEPT. 20/95-REV.0 (M-03)(MN)

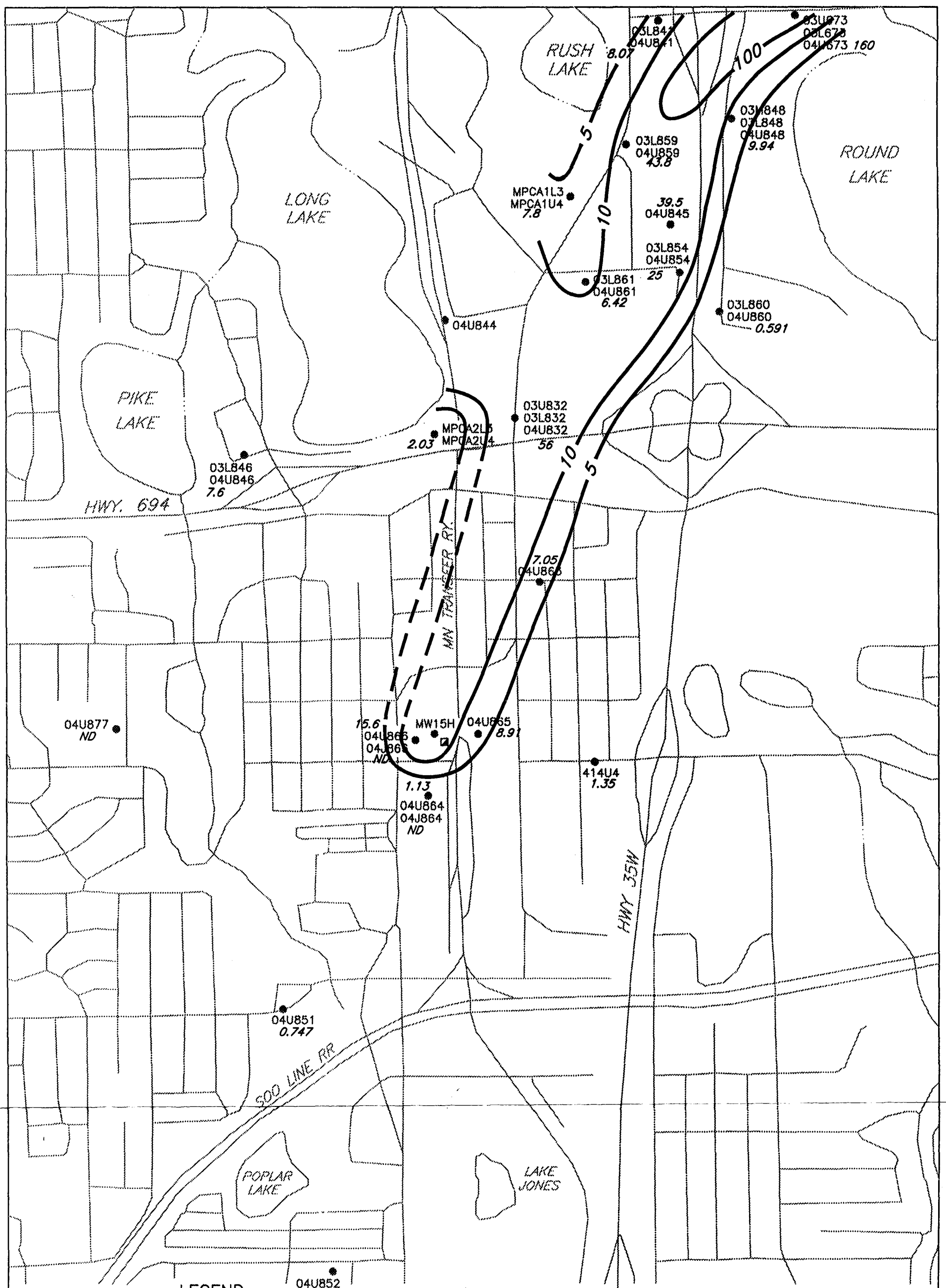


figure V-6

OU3 (PGRS), UNIT 4 TRCLE CONTOURS
MARCH 1995 (Q46)
SOUTH PLUME

Twin Cities Army Ammunition Plant

3877(A)–NOV. 10/95–REV.0 (M–04)(MN)

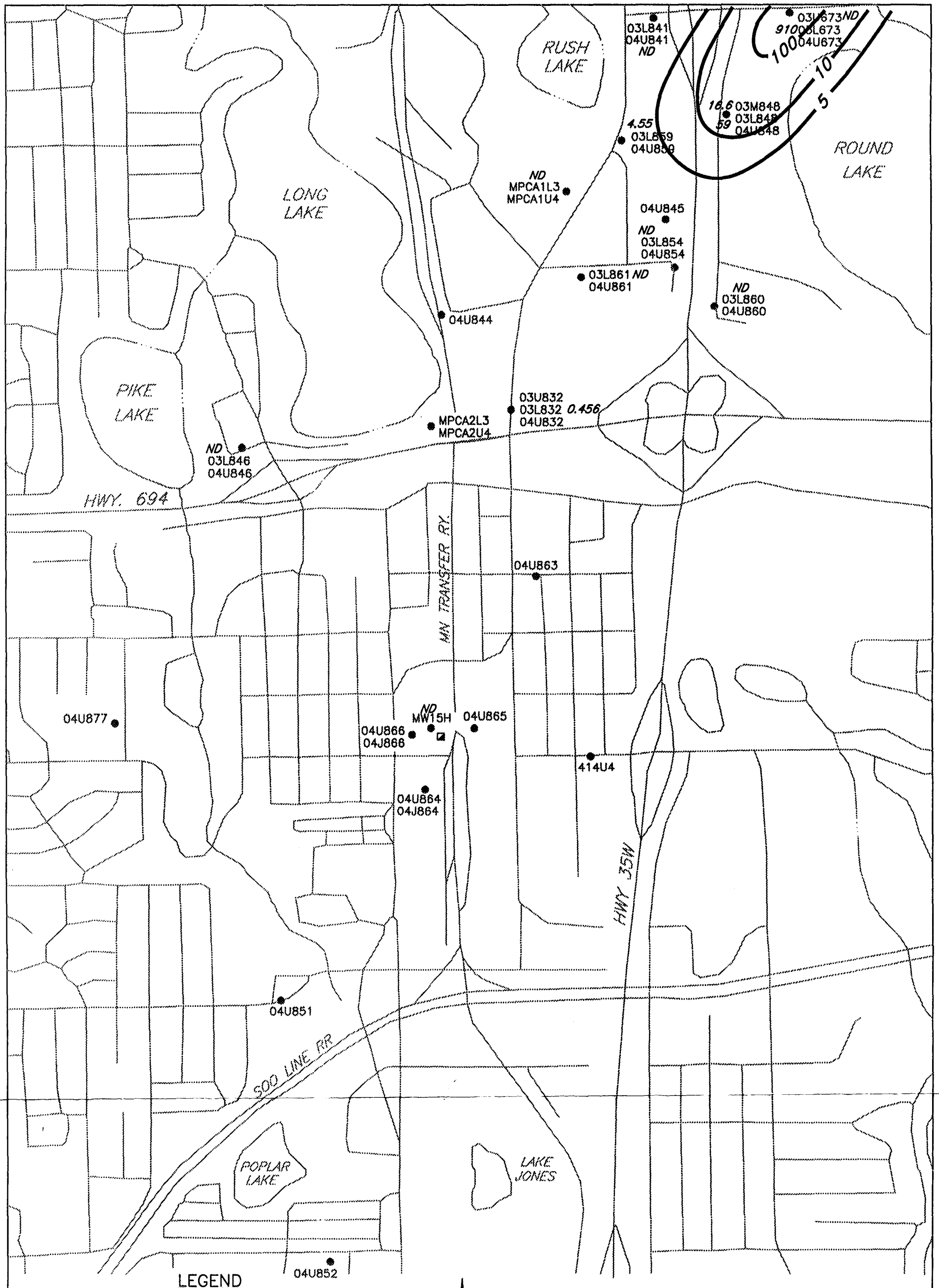


figure V-7

OU3 (PGRS), UNIT 3 TRCLE CONTOURS
MARCH 1995 (Q46)
SOUTH PLUME

Twin Cities Army Ammunition Plant

3877(A)-NOV. 10/95-REV.0 (M-05)(MN)

APPENDIX A

Appendix A

Select Project Correspondence

Appendix A.1

FY 95 AMR/FY 97 AMP Consistency Approval Letter

See First Page of Document for
FY 95 AMR/FY 97 AMP
Consistency Approval Letter

Appendix A.2

Documentation of Missing Data Points

FEDERAL CARTRIDGE COMPANY

Twin Cities Army Ammunition Plant
New Brighton, Minnesota 55112-5795

February 2, 1995

Contracting Officer's Representative
Twin Cities Army Ammunition Plant
Department of the Army
Arden Hills, Minnesota 55112

Attention: SMCTC-EV

Dear Sir:

Subject: Quarter 45 (December) Monitoring

Sampling for the first quarter of FY95 (Quarter 45) was completed on December 27, 1994.

Attached are copies of the ground water measurements, sampling sequence sheet, analytical results, chain of custody forms, and field logs/notes. These should be forwarded to the MPCA and EPA per the Federal Facility Agreement.

All wells included in the FY95 Monitoring Plan for Qtr 45 were sampled.

The laboratory data packages for Quarter 45 can be reviewed at Pace.

Additional Quality Assurance Data will be forwarded as it is received.

The POC is D. Knight, ext. 680.

Very truly yours,

FEDERAL CARTRIDGE COMPANY
Twin Cities Army Ammunition Plant

George B. Sweesy

George B. Sweesy, Plant Manager

GBS/DK/lo

Attachments

cc: D. L. Terho, w/o Attach.
B. Manderfeld, w/o Attach
M. Fairbanks, w/o Attach.
Env. Files, w/Attach.

CONESTOGA-ROVERS & ASSOCIATES
1801 Old Highway 8, Suite 114
St. Paul, Minnesota 55112
(612) 639-0813 Fax:(612) 639-0923

February 9, 1995 Reference No. 1496, 4304, 6317-40 (Task 4.2)

Mr. David Gosen
MN29-3553
ALLIANT TECHSYSTEMS
Twin City Army Ammunition Plant
Building 103
New Brighton, Minnesota 55112

Dear Mr. Gosen:

Re: TCAAP Fiscal Year 1995 First Quarter (O45) Monitoring Report

In accordance with Attachment 2 of the TCAAP Federal Facility Agreement (FFA), this letter comprises the first quarter FY 1995 monitoring report for the TGRS, Site I (Building 502), Site K (Building 103) and PGRS, covering the period October 1, 1994 through December 31, 1994. This report includes the following:

Figure 1	-	Plan View of the TGRS
Figure 2	-	PGRS Well Locations
Attachment 1	-	First Quarter FY 1994 Preliminary Analytical Results
Attachment 2	-	First Quarter Field Sampling Summaries and MPCA Requested QA Information

TGRS

a) TGRS Operations

In October the TGRS operated continuously with the exception of 14.2 hours down time for repairs. Treatment center flow meter #6 (a process flow meter) failed and was replaced causing 0.5 hours of system down time. The replacement flow meter failed shortly after installation. Alternate styles of flow meters are being reviewed for replacement of the existing flow meter. The TCAAP raw water loop was repaired requiring the system to be down for 8.0 hours. The submersible pump and motor in pumphouse B4 were replaced and the pumphouse was down 76.0 hours. The treatment center air release valve for wet well pump #4 was replaced. There was no down time associated with the valve replacement. The belt for blower #2 was replaced and the system was down for 0.25 hours.

In November the TGRS operated continuously with the exception of 0.3 hours down time for repairs. The submersible pump and motor in pumphouse SC2 were replaced and the pumphouse was down for 11.0 hours. The submersible

pump and motor in pumphouse SC4 were replaced and the pumphouse was down for 8.75 hours.

In December the TGRS operated continuously with the exception of 10.8 hours down time for repairs. The submersible pump and motor in pumphouse B10 were replaced and the pumphouse was down for 9.5 hours. The heaters (a type of fusing) for wet well pump #2 tripped and were reset. Wet well pump #2 was down for 1.25 hours.

The monthly pumping totals were as follows:

October	-	122,245,000 gallons (2,761 gpm average over 31 days)
November	-	119,779,000 gallons (2,797 gpm average over 30 days)
December	-	126,496,000 gallons (2,865 gpm average over 31 days)

b) TGRS Monitoring

Water quality sampling and documentation for the TGRS, Site I and Site K for the first quarter FY 1995 were performed in accordance with the approved 1995 Annual Monitoring Plan and the "Installation Restoration Program: Quality Assurance Project Plan for the Remedial Investigation/Feasibility Study at the Twin Cities Army Ammunition Plant", USATHAMA, June 1988.

During the first quarter of FY 1995 the TGRS treatment system reduced effluent VOC concentrations to at or below the Contaminant Specific Requirements as defined in the BGRS Record of Decision.

Based on the influent and effluent VOC concentrations and monthly flow volumes, the TGRS removed approximately 3,750 pounds of VOCs during the first quarter of FY 1995.

Monthly sampling of the TGRS treatment system influent and effluent was performed on October 4 and November 1, 1994. Quarterly monitoring of the TGRS was performed on December 6, 1994. All required water quality samples were collected with the following comments:

- No groundwater samples from the TGRS Site were split with the MPCA.

The analytical data contained in Attachment 1 consist of laboratory data sheets. These data have not yet been validated according to the USATHAMA data protocols and are, therefore, preliminary.

Site I (Building 502)

No sampling was scheduled for the first quarter FY 1995.

Site K (Building 103)

Monthly sampling of the Site K treatment system effluent was performed on October 4 and November 1, 1994. Quarterly sampling of the treatment system influent and effluent was performed on December 6, 1994. All required water quality samples were collected with the following comments and exceptions.

October and November Monitoring

The flow rate based on flow meter measurements was not calculated as the flow meter was inoperative.

The October and November laboratory reports the concentration of ortho phosphate as higher than total phosphorus. These errors were introduced by the analytical methods employed. A more detailed explanation is contained in the laboratory reports.

PGRS (OU3)

Water levels and sampling were performed as scheduled according to the approved PGRS monitoring plan. As of December 31, 1994, the PGRS has been in operation for eight months (since May 3, 1994). A full round of water levels was conducted on October 10, 1994. Groundwater samples were collected during the week of December 5, 1994. Influent/effluent samples of the PGRS treatment facility were collected monthly on October 4, 1994, November 1, 1994 and December 6, 1994. An arsenic sample was collected for analysis on December 6, 1994 in addition to the usual VOC samples.

February 9, 1995

Reference No. 1496, 4304, 6317-40 (Task 4.2)

If you have any questions, please contact us.

Sincerely,

CONESTOGA-ROVERS & ASSOCIATES

Brian C. Boevers

CFC/bam
Enc.
c.c. D. Rastetter; Alliant Techsystems (MN29-3553) (w/enc.)

FEDERAL CARTRIDGE COMPANY

Twin Cities Army Ammunition Plant
New Brighton, Minnesota 55112-5795

April 18, 1995

Contracting Officer's Representative
Twin Cities Army Ammunition Plant
Department of the Army
Arden Hills, Minnesota 55112

Attention: SMCTC-EV

Dear Sir:

Subject: Quarter 45 Sampling Results

This letter is written in response to your April 6, 1995 request for an explanation of why specific conductance readings were omitted from the Quarter 45 Report.

Prior to the collection of a groundwater sample, the well to be sampled must be purged to remove any standing water. Periodically during this purging process, the pH, temperature, and conductivity of the well water is measured and checked for stability. When these parameters are stable, and if at least five well volumes of water have been removed, the well water is representative of the ground water in the aquifer, and a sample may be collected for laboratory analysis.

At the time of the Quarter 45 sampling event, the specific conductance meter was not operating correctly. Historically, specific conductance readings have paralleled the pH and temperature readings. When the pH and temperature readings were stable, so have been the specific conductance readings. Thus, specific conductance has not been a restricting factor in determining when the well may be sampled. Throughout the Quarter 45 sampling event, as required in the TCAAP QAPP, five well volumes of water were removed from each well prior to sampling (except when the well was bailed dry).

As you also requested, legible copies of listed laboratory analysis results are attached.

The POC is David Knight, ext. 680.

Very truly yours,

FEDERAL CARTRIDGE COMPANY
Twin Cities Army Ammunition Plant

George B. Sweesy

George B. Sweesy, Plant Manager

GBS/DK/lo

Attachment

cc: D. L. Terho, w/o Attach.
B. Manderfeld, w/o Attach.
Env. Files, w/o Attach.

CRA

CONESTOGA-ROVERS & ASSOCIATES
1801 Old Highway 8, Suite 114
St. Paul, Minnesota 55112
(612) 639-0913 Fax:(612) 639-0923

May 12, 1995

Reference No. 1496, 4304, 6317-40 (4.2)

Mr. David Gosen
MN29-3553
ALLIANT TECHSYSTEMS
Twin City Army Ammunition Plant
Building 103
New Brighton, Minnesota 55112

Dear Mr. Gosen:

Re: TCAAP Fiscal Year 1995 Second Quarter (Q46) Monitoring Report

In accordance with Attachment 2 of the TCAAP Federal Facility Agreement (FFA), this letter comprises the second quarter FY 1995 monitoring report for the TGRS, Site I (Building 502), Site K (Building 103) and PGRS, covering the period January 1, 1995 through March 31, 1995. This report includes the following:

Figure 1	-	Plan View of the TGRS
Figure 2	-	PGRS Well Locations
Attachment A	-	Second Quarter FY 1995 Preliminary Analytical Results
Attachment B	-	Second Quarter Field Sampling Summaries and MPCA Requested QA Information

TGRS Operations

In January, the TGRS operated continuously with the exception of 2.9 hours down time for repairs. Treatment center electric check valve no. 4 closed without command causing wet well pump no. 4 to shut down for 7.0 hours. The submersible pump and motor in pumphouse B2 were replaced and the pumphouse was down for 8.0 hours. The well head in pumphouse B10 was replaced and the pumphouse was down for 7.0 hours. The electric service to pumphouse B12 and B7 was disconnected during the replacement of the well head in pumphouse B10. Pumphouses B7 and B12 were also down for 7.0 hours. The control section of the electric check valve in pumphouse B2 was rebuilt and the pumphouse was down for 4.0 hours.

In February, the TGRS operated continuously with the exception of 12.4 hours down time for repairs. The data cable for pumphouses B1, B2, B3, B4, B5 and B6 came apart and pumphouses B1 and B2 were down for 9.5 hours, pumphouses B3 and B4 were

down for 26.5 hours, and pumphouses B5 and B6 were down for 10.0 hours. The motor for treatment center wet well pump no. 3 failed which reduced the capacity of the treatment center. To accommodate the reduced treatment center capacity during repairs, pumphouses B5, B9, B10 and B12 were shut down for 15.0 hours and pumphouse B7 was shut down for 7.5 hours.

In March, the TGRS operated continuously with the exception of 0.9 hours down time for repairs. Pumphouses B1, B2, B3, B4, B5, B6, B8, B9 and B11 were shut down for 1.5 hours to allow for modifications to the TCAPP electrical system.

The monthly pumping totals were as follows:

January	-	129,435,000 gallons (gpm average over 31 days)
February	-	115,618,000 gallons (gpm average over 28 days)
March	-	130,297,000 gallons (gpm average over 31 days)

PGRS Operations

Based on the water pumpage logs provided by the City of New Brighton (Attachment B), the PGRS operated continuously from January 1, 1995 through February 6, 1995. Due to system repairs, the PGRS was down for approximately 75 hours from February 7 through February 10, 1995. The system then ran continuously from February 11, 1995 through March 31, 1995.

The monthly pumping totals were as follows:

January	-	44,467,000 gallons (996 gpm average for 31 days)
February	-	35,388,000 gallons (878 gpm average for 28 days)
March	-	43,957,000 gallons (985 gpm average for 31 days)

Based on the influent and effluent VOC concentrations and monthly flow volumes, the PGRS removed approximately 11.7 pounds of VOCs during the second quarter of FY 1995.

Water Quality Sampling and Water Level Measurement

Water quality sampling and documentation for the TGRS, Site I and Site K for the second quarter FY 1995 were performed in accordance with the approved 1995 Annual Monitoring Plan and the "Installation Restoration Program: Quality Assurance Project Plan for the Remedial Investigation/Feasibility Study at the Twin Cities Army Ammunition Plant", USATHAMA, June 1988.

The analytical data contained in Attachment A consist of laboratory data sheets. These data have not yet been validated according to the USATHAMA data protocols and are, therefore, preliminary.

TGRS

During the second quarter of FY 1995, the TGRS treatment system reduced effluent VOC concentrations to at or below the Contaminant Specific Requirements as defined in the BGRS Record of Decision.

Based on the influent and effluent VOC concentrations and monthly flow volumes, the TGRS removed approximately 3,210 pounds of VOCs during the second quarter of FY 1995.

Monthly sampling of the TGRS treatment system influent and effluent was performed on January 3 and February 7, 1995. Annual monitoring of the TGRS was performed on March 14 and April 5, 1995. All required water quality samples were collected with the following comments:

- A trip blank from the February sampling event contained a detectable concentration (0.733 µg/L) of 1,2-dichloroethane. The accompanying effluent samples contained comparable concentrations of 1,2-dichloroethane and, in light of the trip blank, were qualified as non-detect for this compound. The accompanying rinsate and field blanks also did not contain detectable concentrations of 1,2-dichloroethane or other target volatile analytes.

- The March treatment center effluent sample was not analyzed due to laboratory equipment difficulties. The sample holding time was exceeded before equipment

problems could be remedied. The April 1995 effluent sample was analyzed for the compounds contained in the TCL volatiles list in place of the March sample.

- Monitoring Well MPCA6 (409550, PCA6U3) - The well was inadvertently not sampled during the March event and was sampled on April 5, 1995.

- Staff Gauge Nos. 1, 2 and 3 - Water level measurements were not taken for the staff gauges. The water was too deep to access Staff Gauges Nos. 1 and 2. Staff Gauge No. 3 has also not been replaced. A new staff gauge will be installed in an appropriate location in the gravel pit and surveyed for horizontal and vertical control.

- No groundwater samples from the TGRS Site were split with the MPCA.

Site I (Building 502)

No sampling of Site I was performed during the months of January and February 1995. Annual monitoring of Site I was performed on March 24, 1995. All required water quality samples were collected with the following comments and exceptions.

- Monitoring Wells 01U636, 01U639, 01U640, I01-MW, I02-MW, I03-MW, I04-MW and I05-MW - Water level measurements were attempted, but the wells were dry. Groundwater samples could not be collected at these wells.

- No samples from Site I were split with MPCA.

Site K (Building 103)

Monthly sampling of the Site K treatment system effluent was performed on January 3 and February 7. Quarterly sampling of the treatment system influent and effluent was performed on March 7, 1995. All required water quality samples were collected with the following comments and exceptions.

May 12, 1995 Reference No. 1496, 4304, 6317-40 (4.2)

January and February Event

- In January and February it was not possible to measure the treatment system discharge flow rate at the manhole grate because the grate could not be removed. The grate was frozen to the manhole frame.

- In February the treatment center effluent sample was not analyzed for ortho-phosphorus due to laboratory equipment difficulties. The sample holding time was exceeded before the equipment could be repaired.

March Event

- Monitoring wells 01U605, 01U612 and 01U624A - The water level measurements were attempted, but the wells were dry.

- Monitoring well 01U611 - The well bailed dry during purging and would not recover. It was not possible to achieve stabilization of field sampling parameters.

- The sampling method as performed was discussed with Barb Gnabasik of the MPCA. The MPCA acknowledges the well's capabilities and accepts the sampling method and sample as collected.

- Monitoring wells 01U622 and 01U623 - Water levels were not measured because the wells were inaccessible. Access to well 01U622 was obstructed by metal shelving. The protective cover for well 01U623 was sealed shut with a floor coating material.

- Additionally, it was not possible to measure the treatment system discharge flow rate at the manhole grate because the grate could not be removed. The grate was frozen to the manhole frame.

- No samples from Site K were split with the MPCA.

PGRS Monitoring

Water levels and sampling were performed as scheduled for January and March according to the approved PGRS Monitoring Plan. In February, the PGRS influent/effluent could not be sampled on the 7th as scheduled due to system repairs.

May 12, 1995 Reference No. 1496, 4304, 6317-40 (4.2)

The February influent/effluent sampling was conducted on February 10, 1995 upon completion of the repairs.

In addition to the scheduled groundwater quality monitoring, supplemental samples were collected to compare VOC concentrations from groundwater collected from the pump versus the bailer. Ten wells were selected and sampled during this and previous sample events. The purpose of this experiment is to develop statistically defensible data showing that samples collected from the pump are equal or more representative than samples collected from the bailer. The results of the experiment will be used to modify the Standard Operating Procedures for groundwater sampling in order to collect higher quality samples. Pump samples were collected from a sample port connected to the PVC discharge pipe.

A report containing an evaluation of the results will be completed this summer. The preliminary results showed that of the ten wells tested, seven demonstrated that VOC concentrations were higher in the samples collected from the pump. Three of the ten wells showed that VOC concentrations in samples collected from the bailer were equal or slightly higher than the pump samples.

If you have any questions, please contact us.

Sincerely,

CONESTOGA-ROVERS & ASSOCIATES

Brian C. Boevers

CFC/kjs
Enc.
c.c. D. Rastetter; Alliant Techsystems (MN29-3553) (w/enc.)

FEDERAL CARTRIDGE COMPANY

Twin Cities Army Ammunition Plant
New Brighton, Minnesota 55112-5795

May 12, 1995

Contracting Officer's Representative
Twin Cities Army Ammunition Plant
Department of the Army
Arden Hills, Minnesota 55112

Attention: SMCTC-EV

Dear Sir:

Subject: Quarter 46 (March) Monitoring

Sampling for the second quarter of FY95 (Quarter 46) was completed on March 27, 1995. It involved three months of groundwater monitoring: January, February, and March 1995.

Attached are copies of the ground water measurements, sampling sequence sheets, analytical results, chain-of-custody forms, and field logs/notes. These should be forwarded to the MPCA and EPA per the Federal Facility Agreement (FFA).

All wells included in the FY95 Monitoring Plan for January of Quarter 46 were monitored for water levels.

All wells included in the FY95 Monitoring Plan for February of Quarter 46 were monitored for water levels, with the following exceptions:

Water Level:	Reason
Well 01U152	Reading not available

All wells included in the FY95 Monitoring Plan for March of Quarter 46 were monitored for water quality and water levels, with the following exceptions:

Water Quality	Reason
Well 04U844	Not Accessible
Well 234352	Fred White residence (out of town)
Well NB #7	Not in operation
Well NB #9	Not in operation
Well 200812	Not Accessible
Well 512761	Not Accessible
Well 206787	Not Accessible

FEDERAL CARTRIDGE COMPANY

Twin Cities Army Ammunition Plant
New Brighton, Minnesota 55112-5795

August 1, 1995

Contracting Officer's Representative
Twin Cities Army Ammunition Plant
Department of the Army
Arden Hills, Minnesota 55112

Attention: SIOTC-EV

Dear Sir:

Subject: Quarter 47 (June) Monitoring

Sampling for the third quarter of FY95 (Quarter 47) was completed on June 7, 1995. It involved three months of ground water monitoring (April, May, and June 1995).

Attached are copies of the ground water measurements, sampling sequence sheets, analytical results, chain-of-custody forms, and field logs/notes. These should be forwarded to the MPCA and EPA per the Federal Facility Agreement (FFA).

All wells included in the FY95 Monitoring Plan for April of Quarter 47 were monitored for water levels.

All wells included in the FY95 Monitoring Plan for May of Quarter 47 were monitored for water levels, with the following exception:

Water Level	Reason
Well 01U152	Reading not available

All wells included in the FY95 Monitoring Plan for June of FY95 were monitored for water quality and water levels.

The laboratory data packages for Quarter 47 can be reviewed at Interpoll. Additional quality assurance data will be forwarded as it is received.

The POC is David Knight, ext. 680.

Very truly yours,

FEDERAL CARTRIDGE COMPANY
Twin Cities Army Ammunition Plant

George B. Sweesy

George B. Sweesy, Plant Manager

GBS/DK/lo

Attachments

cc: D. L. Terho, w/o Attach.
B. Manderfeld, w/o Attach.
M. Fairbanks, w/o Attach.
Env. Files, w/Attach.

CRA

CONESTOGA-ROVERS & ASSOCIATES
1801 Old Highway 8, Suite 114
St. Paul, Minnesota 55112
(612) 639-0913 Fax:(612) 639-0923

August 11, 1995

Reference No. 1496, 4304, 6317-40 (4.2)

Mr. Martin McCleery
TWIN CITIES ARMY AMMUNITION PLANT
Building 105
New Brighton, Minnesota 55112

Dear Mr. McCleery:

Re: TCAAP Fiscal Year 1995 Third Quarter (Q47) Monitoring Report

CRA provides this letter report on behalf of Alliant Techsystems Inc. In accordance with Attachment 2 of the TCAAP Federal Facility Agreement (FFA), this letter comprises the third quarter FY 1995 monitoring report for the TGRS, Site I (Building 502), Site K (Building 103) and PGRS, covering the period April 1, 1995 through June 30, 1995. This report includes the following:

Figure 1	-	Plan View of the TGRS
Figure 2	-	PGRS Well Locations
Attachment A	-	Third Quarter FY 1995 Preliminary Analytical Results
Attachment B	-	Third Quarter Field Sampling Summaries and MPCA Requested QA Information

TGRS Operations

In April, the TGRS operated continuously with the exception of 28.1 hours down time for repairs and modifications to the TCAAP electrical system. Several TCAAP overhead electrical lines were moved to allow for well servicing without disconnecting the overhead electrical service. Pumphouse down times were as follows: pumphouse B1 - 26.5 hours; pumphouses B2, B3, B5, B6, B8 and B9 - 28.25 hours; pumphouse B4 - 17.25 hours; pumphouse B7 - 16.5 hours; pumphouse B10 - 20.75 hours; pumphouse B11 - 22.5 hours; pumphouse B12 - 18.75 hours; and pumphouses SC2, SC3, SC4 and SC5 - 11.25 hours. A fuse was replaced in pumphouse B1 and the pumphouse was down 17 hours. The overhead power lines to pumphouse B3 failed and the pumphouse was down for 51 hours.

In May, the TGRS operated continuously with the exception of 8.7 hours down time for repairs and maintenance. The electric check valve located in pumphouse B3 closed without command and the pumphouse was down for 15 hours. The air metering station for tower No. 4 was cleaned and the TGRS was down for 2.5 hours.

During the annual preventive maintenance, treatment center flow meters were interchanged and flow meter No. 1 was replaced and the TGRS was down 5 hours.

In June, the TGRS operated continuously with the exception of 58.1 hours down time for repairs. The submersible pump and motor were replaced in pumphouse SC2 and the pumphouse was down for 6 hours. A leak in the influent forcemain was repaired and the TGRS was down for 58 hours.

The monthly pumping totals were as follows:

April	-	121,238,000 gallons (2,897 gpm average over 30 days)
May	-	122502,000 gallons (2,798 gpm average over 31 days)
June	-	110,441,000 gallons (2,762 gpm average over 30 days)

PGRS Operations

Based on the water pumpage logs provided by the City of New Brighton (Attachment B), the PGRS operated continuously, with exception of downtimes. The system was down for repairs for approximately 96 hours from April 7 through April 11, 1995. The system was also down for shock chlorination for approximately 24 hours on May 24 and 25, 1995. The monthly pumping totals were as follows:

April	-	37,100,000 gallons (859 gpm average for 30 days)
May	-	41,526,000 gallons (930 gpm average for 31 days)
June	-	40,767,000 gallons (943 gpm average for 30 days)

Based on the influent and effluent VOC concentrations and monthly flow volumes, the PGRS removed approximately 12.6 pounds of VOCs during the third quarter of FY 1995.

Water Quality Sampling and Water Level Measurement

Water quality sampling and documentation for the TGRS, Site I and Site K for the third quarter FY 1995 were performed in accordance with the approved 1995 Annual Monitoring Plan and the "Installation Restoration Program: Quality Assurance Project Plan for the Remedial Investigation/Feasibility Study at the Twin Cities Army Ammunition Plant", USATHAMA, June 1988.

The analytical data contained in Attachment A consist of laboratory data sheets. These data have not yet been validated according to the USATHAMA data protocols and are, therefore, preliminary.

TGRS

During the third quarter of FY 1995, the TGRS treatment system reduced effluent VOC concentrations to at or below the Contaminant Specific Requirements as defined in the BGRS Record of Decision.

Based on the influent and effluent VOC concentrations and monthly flow volumes, the TGRS removed approximately 2,610 pounds of VOCs during the third quarter of FY 1995.

Monthly sampling of the TGRS treatment system influent and effluent was performed on April 10 and May 2, 1995. Quarterly monitoring of the TGRS was performed on June 6, 1995. On June 6, 1995, monitoring well 03U003 was sampled and a water level measurement recorded. All required water quality samples were collected with the following comments:

- The March treatment center effluent sample was not analyzed due to laboratory equipment difficulties. The sample holding time was exceeded before equipment problems could be remedied. The April 1995 effluent samples were analyzed for the compounds contained in the TCL volatiles list (March parameters) in place of the less extensive April parameter list. The laboratory results and field sampling summaries for this sample are contained in Appendices A and B, respectively

- Monitoring Well MPCA6 (409550, PCA6U3) - The well was inadvertently not sampled during the March event and was sampled on April 5, 1995. The laboratory results and field sampling summaries for this sample are contained in Appendices A and B, respectively.

- Methylene chloride was detected in the trip blank associated with the May sampling event. As a result, the methylene chloride result for samples W-950502-DN-01, W-950502-DN-02 and W-950502-DN-03 should be qualified as non-detect (3.37U and 5.92U, respectively).

- No groundwater samples from the TGRS Site were split with the MPCA.

August 11, 1995 Reference No. 1496, 4304, 6317-40 (4.2)

Site I (Building 502)

No sampling of Site I was performed during the months of April, May or June, 1995.

Site K (Building 103)

Monthly sampling of the Site K treatment system effluent was performed on April 4 and May 2, 1995. Quarterly sampling of the treatment system influent and effluent was performed on June 7, 1995. All required water quality samples were collected with the following comments and exceptions.

April, May and June

- No samples from Site K were split with the MPCA.

PGRS Monitoring

Monthly sampling of the PGRS treatment system influent/effluent was performed on April 4 and May 2, 1995. Quarterly sampling of the treatment system influent/effluent was performed on June 6, 1995. Quarterly sampling of the groundwater monitoring wells was conducted on June 7, 9 and 12, 1995. One full round of water levels were collected on June 21, 1995.

If you have any questions, please contact us.

Sincerely,

CONESTOGA-ROVERS & ASSOCIATES

Brian C. Boevers

CFC/kjs
Enc.
c.c.: D. Rastetter; Alliant Techsystems (MN29-3553) (w/enc.)
D. Gosen; Alliant Techsystems (MN11-2115) (w/o enc.)

FEDERAL CARTRIDGE COMPANY

Twin Cities Army Ammunition Plant
New Brighton, Minnesota 55112-5795

October 24, 1995

Contracting Officer's Representative
Twin Cities Army Ammunition Plant
4700 Highway 10, Suite A
Arden Hills, MN 55112-3928

Attention: SIOTC-EV

Dear Sir:

Subject: Quarter 48 (September) Monitoring

Sampling for the fourth quarter of FY95 (Quarter 48) was completed on September 12, 1995. It involved three months of groundwater monitoring (July, August, and September 1995).

Attached are copies of the groundwater measurements, sampling sequence sheets, analytical results, chain-of-custody forms, and field logs/notes. These should be forwarded to the MPCA and EPA per the Federal Facility Agreement (FFA).

All wells included in the FY95 Monitoring Plan for July of Quarter 48 were monitored for water levels.

All wells included in the FY95 Monitoring Plan for August of Quarter 48 were monitored for water levels.

All wells included in the FY95 Monitoring Plan for September of Quarter 48 were monitored for water quality and water levels, with the following exception:

Water Level	Reason
Well 512761	Submerged pump restricted access (no power)

The laboratory data packages for Quarter 48 can be reviewed at Interpoll. Additional quality assurance data will be forwarded as it is received.

The POC is David Knight, ext 680.

Very truly yours,

FEDERAL CARTRIDGE COMPANY
Twin Cities Army Ammunition Plant

George B. Sweesy

George B. Sweesy, Plant Manager

GBS/DK/dk

Attachments

cc: D. L. Terho, w/o Attach.
B. Manderfeld, w/o Attach.
M. Fairbanks, w/o Attach.
Env. Files, w/Attach.

CRA

CONESTOGA-ROVERS & ASSOCIATES
1801 Old Highway 8, Suite 114
St. Paul, Minnesota 55112
(612) 639-0913 Fax:(612) 639-0923

November 20, 1995

Reference No. 1496, 4304, 6317-40 (4.2)

Mr. Martin McCleery
TWIN CITIES ARMY AMMUNITION PLANT
4700 Highway 10, Suite A
Arden Hills, Minnesota 55112-3928

Dear Mr. McCleery:

Re: TCAAP Fiscal Year 1995 Fourth Quarter (Q48) Monitoring Report

CRA provides this letter report on behalf of Alliant Techsystems Inc. In accordance with the TCAAP Federal Facility Agreement (FFA), this letter comprises the fourth quarter FY 1995 monitoring report for the TGRS, Site I (Building 502), Site K (Building 103) and PGRS, covering the period July 1, 1995 through September 30, 1995. This report includes the following:

Figure 1	-	Plan View of the TGRS
Figure 2	-	PGRS Well Locations
Attachment A	-	Fourth Quarter FY 1995 Preliminary Analytical Results
Attachment B	-	Fourth Quarter Field Sampling Summaries and MPCA Requested QA Information

Water quality sampling and documentation for the TGRS, Site I, Site K and PGRS for the fourth quarter FY 1995 were performed in accordance with the approved 1995 Annual Monitoring Plan and the "Installation Restoration Program: Quality Assurance Project Plan for the Remedial Investigation/Feasibility Study at the Twin Cities Army Ammunition Plant", USATHAMA, June 1988.

The analytical data contained in Attachment A consist of laboratory data sheets. These data have not yet been validated according to the USATHAMA data protocols and are, therefore, preliminary.

November 20, 1995 Reference No. 1496, 4304, 6317-40 (4.2)

TGRS

Operations

The monthly pumping totals for the TGRS including Site K were as follows:

July	120,927,000 gallons (2729 gpm average over 31 days)
August	115,283,000 gallons (2819 gpm average over 31 days)
September	118,182,000 gallons (2783 gpm average over 30 days)

In July, the TGRS operated continuously with the exception of 1.2 hours of system down time. The B12 pumphouse cycled due to a reduced capacity at the treatment center. The capacity reduction was restored and the B12 pumphouse was reinstated after 17 hours of down time.

In August, the TGRS operated continuously with the exception of 70.9 hours of system down time for electrical and equipment repairs. Pumphouse and treatment center down times were as follows: Pumphouses B1, B2, B3, B4, B5, B6, B8, B9 and B11 were down 17 hours on August 12, 1995 for TCAAP electrical system repairs due to storm damage. Pumphouses B1, B2, B3, B4, B5, B6, B8, B9 and B11 were down 20.5 hours and SC2 was down 16 hours on August 13, 1995 for TCAAP electrical system repairs due to storm damage. Pumphouses B7 and B12 were down 17 hours on August 14, 1995 for TCAAP electrical system repairs due to storm damage. Pumphouse B11 was down 0.5 hours for flow meter replacement on August 15, 1995. The treatment center was down 3 hours on August 17, 1995 for repair of electric check valve No. 4 in the treatment center. The treatment center was down 40 hours on August 19 and 20, 1995 due to TCAAP substation electrical repairs. Pumphouse B1 was down 11 hours due to electrical repairs of the A-B power module. The treatment center was down 0.5 hours on August 22, 1995 for the repair of flow meter No. 4. Pumphouse SC4 was down 0.5 hours on August 29, 1995 due to repairs to a computer control card.

In September, the TGRS operated continuously with the exception of 3.8 hours of system down time due to repairs at pumphouses B1 and B2. The B1 and B2 pumphouses were down 25.5 hours due to the damage and repair of a data cable. The cable was damaged by FCC during an excavation.

November 20, 1995 Reference No. 1496, 4304, 6317-40 (4.2)

Monitoring

During the fourth quarter FY 1995, the TGRS treatment system reduced effluent VOC concentration to at or below the Contaminant Specific Requirements as defined in the BGRS Record of Decision.

Based on the influent and effluent VOC concentrations and monthly flow volumes, the TGRS removed approximately 2,980 pounds of VOCs during the fourth quarter of FY 1995.

Monthly sampling of the TGRS treatment system influent and effluent was performed on July 6, 1995 and August 1, 1995. Quarterly monitoring of the TGRS was performed on September 11, 12, 13 and 14. A full round of water levels was conducted on September 6 and 7, 1995. No samples were split with the MPCA during any of the events.

All required water quality samples were collected with the following comments:

- The VOC analysis for the August sampling event, of sample W-950801-DN-02, 1, 1-dichloroethylene and 1, 2-dichloroethylene were detected below the method detection limits. As a result, 1, 1-dichloroethylene and 1, 2-dichloroethylene for sample W-950801-DN-02 should be qualified as estimated (J).

- A trip blank was submitted to the laboratory for VOC analysis for the August sampling event. However, the analysis of the trip blank was not required as specified in Section 4.3 of the QAPP and was not analyzed.

- Two rinsate blank samples submitted during the September sampling event yielded detectable concentrations of 1, 1, 1-trichloroethane. As a result, 1, 1, 1-trichloroethane detected in sample W-950913-DN-39 should be qualified as non-detect (0.506U).

Site I Monitoring

No sampling of Site I was performed during the months of July through September based on the AMR. The Q48 water level round was performed on September 7, 1995. A total of nine wells were measured for water levels and five were found to be dry. The dry wells included: 01U639, I01MW, I02MW, I03MW, and I04MW.

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Site K

Operations

On July 6, 1995 the flow meter was found to be inoperable. The meter was repaired and no system down time was reported.

Monitoring

Monthly sampling of the Site K treatment system effluent was performed on July 6 and August 1, 1995. Quarterly sampling of the treatment system influent and effluent was performed on September 5, 1995. No samples from Site K were split with the MPCA for the months of July, August or September 1995.

PGRS

Operations

Based on the water pumpage logs provided by the City of New Brighton (Attachment B), the monthly pumping totals were as follows:

July	-	42,312,000 gallons (948 gpm average for 31 days)
August	-	40,757,000 gallons (913 gpm average for 31 days)
September	-	23,874,000 gallons (553 gpm average for 30 days)

The system was down for repairs on the iron/manganese tank for approximately 26 hours on August 28 and 29, 1995. The system was down for biological control for approximately 300 hours from September 13 to 23, 1995.

Based on the influent and effluent VOC concentrations and monthly flow volumes, the PGRS removed approximately 14.9 pounds of VOCs during the fourth quarter of FY 1995.

November 20, 1995 Reference No. 1496, 4304, 6317-40 (4.2)

Monitoring

Monthly sampling of the PGRS treatment system influent/effluent was performed on July 6 and August 1, 1995. Quarterly sampling of the treatment system influent/effluent was performed on September 5, 1995. One full round of water levels was conducted on September 5, 1995.

The second year of the PGRS groundwater monitoring began in June 1995. The second year involved a change of the PGRS monitoring well sampling frequency from quarterly to semi-annually with sampling to be performed in September 1995 and March 1996. However, an oversight occurred and the semi-annual sampling was conducted in June 1995 as reported in the third quarter FY 1995 quarterly report. With approval from the MPCA, the sampling event conducted in June (and the data collected and reported in the third quarter FY 1995 report) was used in lieu of the sampling originally scheduled for September 1995. Therefore, no monitoring well sampling was conducted in September 1995. The treatment system influent/ effluent sampling was performed as scheduled and on a quarterly basis. The March 1996 PGRS monitoring well semi-annual sampling will be conducted as scheduled.

If you have any questions, please contact us.

Sincerely,

CONESTOGA-ROVERS & ASSOCIATES

Brian C. Boevers

CFC/dc
Enc.
c.c. D. Rastetter; Alliant Techsystems (MN29-3553) (w/enc.)
D. Gosen; Alliant Techsystems (MN11-2115) (w/o enc.)

CRA

CONESTOGA-ROVERS & ASSOCIATES
1801 Old Highway 8, Suite 114
St. Paul, Minnesota 55112
(612) 639-0913 Fax:(612) 639-0923

August 22, 1996 Reference No. 6317-40

Mr. Martin McCleery
TWIN CITIES ARMY AMMUNITION PLANT
SIOTC-EV
4700 Highway 10, Suite A
Arden Hills, Minnesota 55112-3928

Mr. David Gosen
ALLIANT TECHSYSTEMS, INC.
MN11-2115
600 Second Street Northeast
Hopkins, Minnesota 55343

Dear Mssrs. McCleery and Gosen:

Re: Deviations from TGRS, PGRS, Site I and Site K
Sampling Programs - 1995 Fiscal Year

Water quality sampling, water level measurement and documentation for the TGRS, Site I and Site K for fiscal year 1995 were performed in accordance with the approved 1995 Annual Monitoring Plan and the "Installation Restoration Program" Quality Assurance Project Plan for the Remedial Investigation/Feasibility Study at the Twin Cities Army Ammunition Plant", USATHAMA, June 1988.

PGRS water quality samples were collected and water level measurements were recorded according to the revised monitoring plan presented in a memo dated April 12, 1994. PGRS monitoring began on April 18, 1994. However, full scale operation of the PGRS did not commence until May 3, 1994.

All required water quality samples were collected and water level measurements were recorded with the following comments and exceptions.

TGRS

October, November and December Monitoring

- No groundwater samples from the TGRS Site were split with the MPCA.

January, February and March Monitoring

- A trip blank from the February sampling event contained a detectable concentration (0.733 µg/L) of 1,2-dichloroethane. The accompanying effluent samples contained comparable concentrations of 1,2-dichloroethane and, in light of the trip blank, were qualified as non-detect for this compound. The accompanying rinsate and field

blanks also did not contain detectable concentrations of 1,2-dichloroethane or other target volatile analytes.

- The TGRS effluent sample was not analyzed due to laboratory equipment difficulties. The sample holding time was exceeded before equipment problems could be remedied. The April 1995 effluent sample was analyzed for the TCL VOCs.

- Monitoring well MPCA6U3 (409550, PCA6U3) was inadvertently not sampled during the March event. The well was sampled on April 5, 1995.

- Monitoring well 03L020 was inadvertently not sampled during the March event. The omission was not detected until November 1995. As such, the well was not sampled.

- Water level measurements were not taken at the staff gauges. The water was too deep to access Staff Gauges Nos. 1 and 2. Staff Gauge No. 3 has not been replaced. A new staff gauge will be installed in an appropriate location in the gravel pit and surveyed for horizontal and vertical control.

- No groundwater samples from the TGRS Site were split with the MPCA.

April, May and June Monitoring

- The March treatment center effluent sample was not analyzed due to laboratory equipment difficulties. The sample holding time was exceeded before equipment problems could be remedied. The April 1995 effluent samples were analyzed for the compounds contained in the TCL volatiles list (March parameters) in place of the less extensive April parameter list.

- Methylene chloride was detected in the trip blank associated with the May sampling event. As a result, the methylene chloride result for samples W-950502-DN-01, W-950502-DN-02 and W-950502-DN-03 should be qualified as non-detect (3.37U and 5.92U, respectively).

- No groundwater samples from the TGRS Site were split with the MPCA.

July, August and September Monitoring

- The VOC analysis for the August sampling event, of sample W-950801-DN-02, 1,1-dichloroethylene and 1,2-dichloroethylene were detected below the method detection limits. As a result, 1,1-dichloroethylene and 1,2-dichloroethylene for sample W 950801-DN-02 should be qualified as estimated (J).

- Two rinsate blank samples submitted during the September sampling event yielded detectable concentrations of 1,1,1-trichloroethane. As a result, 1,1,1-trichloroethane detected in sample W-950913-DN-39 should be qualified as non-detect (0.506U).

- Water level measurements were not taken at the staff gauges. The water was too deep to access Staff Gauges Nos. 1 and 2. Staff Gauge No. 3 has not been replaced. A new staff gauge will be installed in an appropriate location in the gravel pit and surveyed for horizontal and vertical control.

- During the later portion of the year, the laboratory did not analyze all trip blanks submitted for the TGRS, Sites I and K.

Site I (Building 502)

October, November and December Monitoring

- No sampling of Site I was performed during the first quarter of FY 1995.

January, February and March Monitoring

- No sampling of Site I was performed during January or February 1995.

- Monitoring wells 01U636, 01U639, 01U640, I01MW, I02MW, I03MW, I04MW and I05MW water level measurements were attempted, but the wells were dry. Groundwater samples could not be collected at these wells.

- No groundwater samples from Site I were split with the MPCA.

April, May and June Monitoring

- No sampling of Site I was performed during the third quarter of FY 1995.

July, August and September Monitoring

- Monitoring wells 01U639, I01MW, I02MW, I03MW, and I04MW water level measurements were attempted, but the wells were dry.

Site K (Building 103)

October, November and December Monitoring

- The flow rate, based on flow meter measurements, was not calculated as the flow meter was inoperative.

- The October and November laboratory reports show the concentration of ortho phosphate to be higher than total phosphorus. These errors were introduced by the analytical methods employed.

January, February and March Monitoring

- In January, February and March, it was not possible to measure the treatment system discharge flow rate at the manhole grate because the grate could not be removed. The grate was frozen to the manhole frame.

- During February, the treatment center effluent sample was not analyzed for ortho phosphorus due to laboratory equipment difficulties. The sample holding time was exceeded before the equipment could be repaired.

- During March, monitoring wells 01U605, 01U612 and 01U624(A) water level measurements were attempted, but the wells were dry.

- During March, monitoring well 01U611 was bailed dry during purging and did not recover. It was not possible to achieve stabilization of field sampling parameters.

- The March sampling method as performed was discussed with Barb Gnabasik of MPCA. The MPCA acknowledged the well's capabilities and accepted the sampling method and sample as collected.

- During March, monitoring wells 01U622 and 01U623 water levels were not measured because the wells were inaccessible. Access to well 01U622 was obstructed by metal shelving. The protective cover for well 01U623 was sealed shut with a floor coating material.

- No samples from Site K were split with the MPCA.

April, May and June Monitoring

- No samples from Site K were split with the MPCA.

July, August and September Monitoring

- No samples from Site K were split with the MPCA.

- Monitoring wells 01U622 and 01U623 water levels were not measured because the wells were inaccessible. Access to well 01U622 was obstructed by metal shelving. The protective cover for well 01U623 was sealed shut with a floor coating material.

PGRS

FY 1995 Monitoring

- A water level for MPCA3U4 was not taken during FY 1995. This well was removed from the OU3 Monitoring Plan, as indicated in the approved PGRS monitoring plan dated April 12, 1994.

- In February, the PGRS influent/effluent could not be sampled on the 7th as scheduled due to system repairs. The February influent/effluent sampling was conducted on February 10, 1995 upon completion of the repairs.

- The semi-annual sampling was conducted in June 1995. With approval from the MPCA, the sampling event conducted in June was used in lieu of the sampling originally scheduled for September 1995. Therefore, no monitoring well sampling

was conducted in September 1995. The treatment system influent/effluent was performed as scheduled.

- Well O36L84B was not monitored as the well padlock was below the surface water level and the water was frozen.

If you have any questions, please do not hesitate to contact us.

Sincerely,

CONESTOGA-ROVERS & ASSOCIATES

Charles F. Cooke

Charles F. Cooke, P.E.

KK/kjs
c.c. Brian Boevers; CRA

Additional Information on Missing Data
TCAAP FY 95 Monitoring Plan

Q	Well	Missing	Comment
45-48	512761	Cat 1	Scheduled for Q46. Not accessible - was accessible for sampling in Q48.
45	01U102	WL	On sampling list, no explanation available.
46-48	409549	WL	Misunderstanding between CRA and FCC as to which party was responsible for water levels.
46	04U844	Cat 1	Sampling note states "well filled". Comment not understood, since well was sampled later in FY 95.
46	01U152	WL	Water level collected in March, unknown why it wasn't collected in February 1995.
46	200812, 512761	Cat 1	Gross Golf Course wells not operating in March.
	206787		MV high school reason for inaccessibility unknown.
46	01U126	Cat 1	Appears to have been collected 3-6-95.
	01U902	Cat 7	FCC translation error in sampling requirements.
	01U903	Cat 7	FCC translation error in sampling requirements.
	01U904	Cat 7	FCC translation error in sampling requirements.
	519288	Cat 1	Appears to have been collected 3-14-95.
	519289	Cat 1	Appears to have been collected 3-14-95.
	519290	Cat 1	Appears to have been collected 3-14-95.
	03U112	Cat 1, 4	Appears to have been collected 3-14-95.
	03U114	Cat 1	Appears to have been collected 3-13-95.
	03U121	Cat 4	Appears to have been collected 3-22-95.
	03U099	Cat 1	Appears to have been collected 3-9-95, data not yet retrievable.
	03U032	Cat 1	Appears to have been collected 3-17-95.
	03U124	Cat 1	Appears to have been collected 3-17-95.
	519291	Cat 1	Appears to have been collected 3-17-95.
	03M005	Cat 1	Appears to have been collected 3-19-95.
46	01U902	Cat 7	FCC translation error in sampling requirements.
	01U903	Cat 7	FCC translation error in sampling requirements.
	01U904	Cat 7	FCC translation error in sampling requirements.
	03U023	Cat 7	Not supposed to be sampled for Cat 7.
46	03L848	WL	Inadvertently missed.

Additional Information on Missing Data
TCAAP FY 95 Monitoring Plan
(continued)

Q	Well	Missing	Comment
46	03U099	Cat 1	Appears to have been collected 3-9-95.
	03M005	Cat 1	Appears to have been collected 3-14-95.
46	409546	Cat 1	Appears to have been collected 3-17-95
	409556	Cat 1	Appears to have been collected 3-12-95.
46	206793	Cat 1	Appears to have been collected 3-21-95.
46	206797	WL	NB Municipal Well 6. Not accessible for water levels.
48	01U903		FCC translation error in sampling requirements.
	01U904		FCC translation error in sampling requirements.
--	231845	--	No additional information available on why generally not accessible. Well not planned for sampling in FY 95.

Appendix A.3

Relevant Correspondence

APR 1 9 1996

WENCK ASSOCIATES

DEPARTMENT OF THE ARMY
TWIN CITIES ARMY AMMUNITION PLANT
4700 HWY 10- SUITE A
ARDEN HILLS, MINNESOTA 55112-[redacted]-3928

REPLY TO
ATTENTION OF

April 16, 1996

SIOTC-EV (200-1b)

SUBJECT: Request for Change to FY96 TCAAP Annual Monitoring Program
Request for Change to Surface Water Sampling Schedule and Procedures at TCAAP

Alliant Techsystems Inc.
ATTN: Mr. Robin J. Rockney/MN24
Twin Cities Army Ammunition Plant
4700 Highway 10 - Suite F
Arden Hills, MN 55112

Dear Sir:

References:

a. Letters, Conestoga-Rovers & Associates, March 13, 1996, subject: Request for Change to FY96 TCAAP Annual Monitoring Plan & Request for Change to Surface Water Sampling Schedule and Procedures for TCAAP.

b. Letter, U.S. Environmental Protection Agency/Minnesota Pollution Control Agency, April 4, 1996, SAB.

The enclosed letter (ref. b) is forwarded for your information and action in response to referenced letters (ref. a). EPA & MPCA staff agree with: (1) the proposal to move the various treatment system monitoring event from March 1996 to June 1996; (2) the proposed change to the quality assurance sampling requirements, with the stipulation that a trip blank be collected for VOC samples, and that the timing of the sampling event remains consistent with the June annual groundwater monitoring.

If you have any questions, please contact Mr. Marty McCleery, SIOTC-EV, 612/633-2301, ext. 1651.

Sincerely,

Michael R. Fix
Contracting Officer's Representative

Enclosure

Copies Furnished:

Conestoga-Rovers & Associates, ATTN: Mr. Brian Boevers (w/encl)
Corps of Engineers/Wenck Associates, Inc., ATTN: Mr. Jay Hodges/Mr. Keith Benker (w/encl)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

REPLY TO THE ATTENTION OF:

April 4, 1996 SRF-5J

Mr. Martin R. McCleery
Remedial Project Manager
Twin Cities Army Ammunition Plant
4700 Highway 10, Suite A
Arden Hills, Minnesota 55112-3928

Subject: Request for Change to FY96 TCAAP Annual Monitoring Program and Request for Change to Surface Water Sampling Schedule and Procedures for TCAAP

Dear Mr. McCleery:

The U. S. Environmental Protection Agency (EPA) and the Minnesota Pollution Control Agency (MPCA) staff have received the subject requests dated March 19, 1996, with accompanying letters from Conestoga-Rovers & Associates dated March 13, 1996 providing the specifics of the requests.

With respect to the Request for Change to the FY96 TCAAP Annual Monitoring Plan, EPA and MPCA staff agree with the proposed modification to change the annual groundwater and various treatment systems monitoring events from March 1996 to June 1996, as discussed at the February 1996 Technical Review Committee meeting.

The Request for Change to Surface Water Sampling Schedule and Procedures for TCAAP states that the annual surface water sampling event is to be conducted "in May rather than February, as currently stated in the plan." This statement is incorrect, as the current annual surface water sampling event is conducted in March, along with the annual groundwater monitoring. The timing of this sampling event shall remain consistent with the annual groundwater monitoring and shall not be performed in May but, rather, in June.

With respect to the statement that "Monthly sampling would be conducted in February", we understand this to mean that a monthly sampling event will occur during the month of the current annual sampling event and that no other changes to the current monthly sampling program are being proposed. Monthly sampling will occur on a monthly basis according to the approved Annual Monitoring Plan.

Finally, EPA and MPCA staff concur with the proposed changes to

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the quality assurance sampling requirements, with the stipulation that a trip blank shall be collected for volatile organic compound (VOC) samples.

If you have any questions, please contact Tom Barounis of the EPA at (312) 353-5577 or Dagmar Romano of the MPCA at (612) 296-7776.

Sincerely,

Tom Barounis

Tom Barounis
Remedial Project Manager
U.S. Environmental Protection Agency

Tom Barounis for

Dagmar Romano
Project Manager
Site Response Section
Minnesota Pollution Control Agency

CRA

CONESTOGA-ROVERS & ASSOCIATES
1801 Old Highway 8, Suite 114
St. Paul, Minnesota 55112
(612) 639-0913 Fax:(612) 639-0923

May 15, 1996

Reference No. 6687-30, 31, 34, 35

James Persoon, Ph.D.
GLOBAL ENVIRONMENTAL SOLUTIONS
Twin Cities Army Ammunition Plant
Building 105, Suite F
4700 Highway 10
Arden Hills, Minnesota 55112

- ORIGINAL -
THIS DOCUMENT PREVIOUSLY TRANSMITTED BY TELECOPIER

Dear Jim:

Re: Monitoring Schedule for Performance of 1996 Annual Monitoring Event

Background

A request was made to change the dates for performance of the annual monitoring event for surface water from February to May 1996 and for groundwater and treatment systems from March to June 1996. The USEPA responded to the request for schedule change in an April 4, 1996, letter to M. McCleery. In the letter the USEPA stated that surface water sampling is to be performed in June, concurrent with groundwater and treatment system sampling. Barbara Gnabasik of the MPCA was contacted to clarify that surface water was to be sampled in June and not May, as requested. Ms. Gnabasik stated that the MPCA wants:

1. all surface water location samples collected on the same day;

2. adjacent sites, Sites A, B, C, H and K, samples collected concurrently with surface water samples. With this in mind, the sampling schedule is revised as presented below. To reduce the time between collection of surface water and groundwater samples, surface water samples will be collected midway through the collection of groundwater samples at Sites A, B, C, H and K.

Schedule for the 1996 Annual Monitoring Event

Fourth Week of May

May 27 & 28, 1996: Water Levels - TGRS, Sites I & K, monitoring and extraction wells.

May 29 - 31, 1996: Water Levels - All other Sites and off-TCAAP, monitoring and extraction wells.

First and Second Weeks of June

June 3 - 14, 1996: Groundwater Samples - TGRS, Sites I and K, monitoring wells and extraction wells. Sites A, B, C, H and K will be collected during second week.

June 4, 1996: Treatment System Samples - Sites A, I and TGRS.

June 10 - 14, 1996: Surface Water Monitoring - All samples for laboratory collected on same day, 24-hour pH measurement collected throughout second week.

Third and Fourth Weeks of June

June 17 - 28, 1996: Groundwater Samples - All other sites and off-TCAAP, monitoring wells and extraction wells. Sites A, B, C, H and K will be collected during the third week.

Please provide your concurrence or any comments the above schedule by May 21, 1996.

Sincerely,

CONESTOGA-ROVERS & ASSOCIATES

Charles F. Cooke, P.E.

CFC/kjs
Enc.
c.c. Dave Gosen; ATK
Dave Rastetter; ATK
Brian Boevers; CRA
Dan Nelson; CRA

CRA
1801 Old Highway 8, Suite 114
St. Paul, Minnesota 55112
(612) 639-0913

MEMO

TO: Jim Persoon REFERENCE NO. 6687-37

FROM: Dan Sola DATE: July 23, 1996

RE: Review and Assessment of Site A Hydraulic Performance

Introduction

In response to a letter from the MPCA to M. McCleery, dated July 2 1996, CRA, on behalf of Global Environmental Systems (GES), undertook an independent analysis of the hydraulic performance of the Site A extraction system. This memo constitutes the response to the MPCA comments.

The purpose of this analysis was to develop an operating strategy for the Site A system that will allow the system to maintain hydraulic containment of the VOC plume while accommodating the operational difficulties with the system due to iron fouling of the wells and appurtenances. The EE/CA for Site A, prepared by IT Corp., states that each of the eight wells needs to operate at five gallons per minute (gpm) for the system to maintain capture. Performance data for the system, as well as the 90 Day Operations report prepared by STS Consultants, indicates that lower pumping rates are acceptable for the system.

The MPCA comments require that the Army justify any pumping rates other than 5 gpm per well.

To assess the hydraulic performance of the Site A recovery system, CRA conducted a detailed analysis of the aquifer's hydraulic response to the start up of the eight well recovery system. This analysis was conducted independently from the results of the pumping test by IT Corp. and modeling by STS. In the interest of simplifying this document ,the reader is referred to the Aquifer Test report by IT Corp., dated September 30, 1992 and to the 90 Day Operations report by STS, dated October 1995, for specific data from these reports. This discussion also assumes that the reader is familiar with the general geometry of the plume and the capture requirements for Site A.

Hydraulic Interpretation

This hydraulic assessment was based on the operational data from the first month of operation of the Site A system. As is the nature of groundwater extraction systems, the most valuable data is obtained during start up when the aquifer is responding most dramatically to pumping. Data from this period are contained in the 90 Day Operations report. CRA interpreted these data using an enhanced contouring methodology that was developed for the TGRS and later published ("A Graphical Procedure to Enhance Groundwater Contours for a Large Complex Extraction Well Network," Groundwater, Vol. 29, No. 5, Sept.-Oct. 1991). The contouring procedure, based on the principle of superposition, involves separately contouring draw down and using the draw down contours and static water level data to calculate supplemental heads for enhancing the detail in the pumping flow field.

The basis for this method is that draw downs and static water levels can be contoured with a relatively high confidence, since they are relatively simple geometric 'surfaces'. By contrast, the complex flow field around a multiple well pumping system usually defies simple contouring. This method separates the complex flow field into the simpler components of draw down and static water levels.

Figure 1 presents the static water level elevation contours for May 26, 1994, just prior to system start up. As these contours indicate, groundwater flows to the northwest with a gradient of 0.007. The contours have been extended for the purpose of this analysis. Figure 2 presents the draw down contours for June 21, 1994, approximately one month after start up. Static water levels from wells 01U901 and 01U902 were not measured, so the draw downs were calculated from water levels between June 5 and June 21, making these minimum draw down estimates . As this figure shows, a well developed zone of depression has formed and there is a great deal of overlap from the different wells in the system. Of note is that draw down continued after the first month of operation, suggesting that capture continued to grow making the foregoing analysis conservative.

Figure 3 presents an overlay of the draw down and static contours. At each point where two contours intersect, a resultant water level was calculated. For example, where the 890 foot static water level contour intersects the 2 foot draw down contour, the resultant water level is 888 feet. Each of the calculated heads was included with the actual piezometer water levels for June 21, 1994 and used to prepare Figure 4. Figure 4 presents the enhanced groundwater elevation contours for the operating system.

As can be seen, considerable detail was provided by using the enhanced contouring method. According to the STS report, the pumping rate during this period was 54 gpm

(10,400 ft^3/day), with each well operating between 4.5 and 8.5 gpm. The capture zone from each of the two lines of wells can be separately discerned. In the center of the plume area, the capture zones from each well overlap to a large degree. Extraction wells 355, 356, 357 and 358 are located within the stagnation zone of wells 351, 352, 353 and 354, thereby, causing the capture zone to extend laterally. This is informally described as the 'shadow effect.' In total, the system generates a zone of capture 1,300 feet wide, which is over twice the width needed to contain the plume (600 feet). Figure 5 presents the plume configuration based on the Spring 1995 data.

Minimum Pumping Needed for Containment

The following basic flow equations are used in the following discussion:

$$Q = T\,i\,w$$
$$q = T\,i$$

Where,

T = transmissivity
w = width of aquifer
i = horizontal gradient
Q = total aquifer flux
q = unit aquifer flux

The pumping rate during the first month (10,400 ft^3/day) represents the total aquifer flux (Q) through the capture width (1,300 feet). The unit aquifer flux (q) is therefore 8 ft^3/day/ft. Based on a horizontal gradient of 0.007, the transmissivity of the aquifer is 1140 ft^2/day. This calculation is independent of the pumping test results and the modeling. This falls between the value determined by IT's pumping test (400 ft^2/day) and STS's modeling (2430 ft^2/day). IT Corp.'s values over estimate capture and the STS modeling under estimated draw downs overall. Thus, our calculated transmissivity, and more importantly the flux, appears to be the best representation of actual conditions. Based on this flux, the pumping rate needed to capture the width of the plume (600 feet) is 4800 ft^3/day or 25 gpm.

As shown above, the minimum overall rate need for containment is 25 gpm. What remains is the question of pumping distribution and the relative importance of individual flow rates. This requires a review of the geometry of capture and well locations. As shown on Figure 3, Wells 351, 352, 353 and 354 intercept the groundwater

flux along the axis of the plume. The capture from wells 355, 356, 357 and 358 extends out and around the shadow of the inner line of wells. The outer line of wells is aligned oblique to the groundwater flow direction such that when projected parallel to flow, the effective well spacings in the center of the plume are generally between 40 and 85 feet (see Figure 6). The flux through a typical 85 foot section of aquifer is only 3.5 gpm. This, combined with the large degree of capture overlap, suggests that the system is fairly insensitive to individual flow rates.

Figure 6 presents the projected capture and flow distribution for the system operating at 25 gpm. Treating the wells as two groupings of wells rather than as eight individual wells is an appropriate basis for managing the system flow. Wells 351 through 354 only need to operate at reasonably uniform rates (say within 30% or +/- 1 gpm). Well 355 is positioned to intercept any breakthrough due to uneven pumping rates at 351 through 354. Wells 356 through 358 derive water primarily from outside the plume boundaries due to the shadowing effect. Thus, the individual flow rates at these wells is not important, as the entire stagnation zone is easily captured. However, well 358 must generate the outer edge of capture, so it would be good practice to keep this well operating between 3 and 4 gpm.

Comparison to Similar Existing Conditions

Figure 7 presents the groundwater elevation contours from September 8, 1995. At this time, the system was operating at approximately 25.8 gpm, according to flow data in the FY1995 Annual Monitoring Report. The level of detail is not as high as the enhanced contours, but they do show an overall agreement with the projected capture at 25 gpm. If breakthrough is occurring near the wells operating at low rates, it is minor.

Conclusions

1. A system flow rate of 54 gpm created a 1,300 foot capture width approximately one month after start up. Continuing draw downs, thereafter, suggest the capture width continued to grow. Approximately half that width is necessary to contain the plume to 10 µg/L 1,2 dichloroethene (600 feet).

2. Based on the capture width, the unit flux (Ti) through the aquifer is = 8 ft^3/day/ft. Based on a horizontal gradient (i) of 0.007, the transmissivity (T) is 1140 ft^2/day or 8540 gpd/ft. This falls between the transmissivities from IT's work and from STS's modeling.

3. The geometry of the two lines of recovery wells creates overlapping capture zones and reduces the system's sensitivity to individual flow rates. The geometry also results in an effective well spacing of, at most, 85 feet in the center of the plume. Essentially, recovery wells 355, 356, 357 and 358 need to pull water in laterally due to the low flux in the stagnation zone from wells 351, 352, 353 and 354.

4. A minimum total flow rate of 25 gpm, reasonably distributed, is needed to maintain hydraulic containment. An interpretation of field data from September 1995 agrees with this conclusion.

Recommended Operating Strategy

The following recommendations are based on the conservative analysis presented above and on practical experience. Operating a system requires flexibility and judgment, especially when compounded by the fouling problems at Site A. Because of the conservative nature of these calculations, the system can be run close to the limits and routine downtime for cleaning will not adversely affect long term performance.

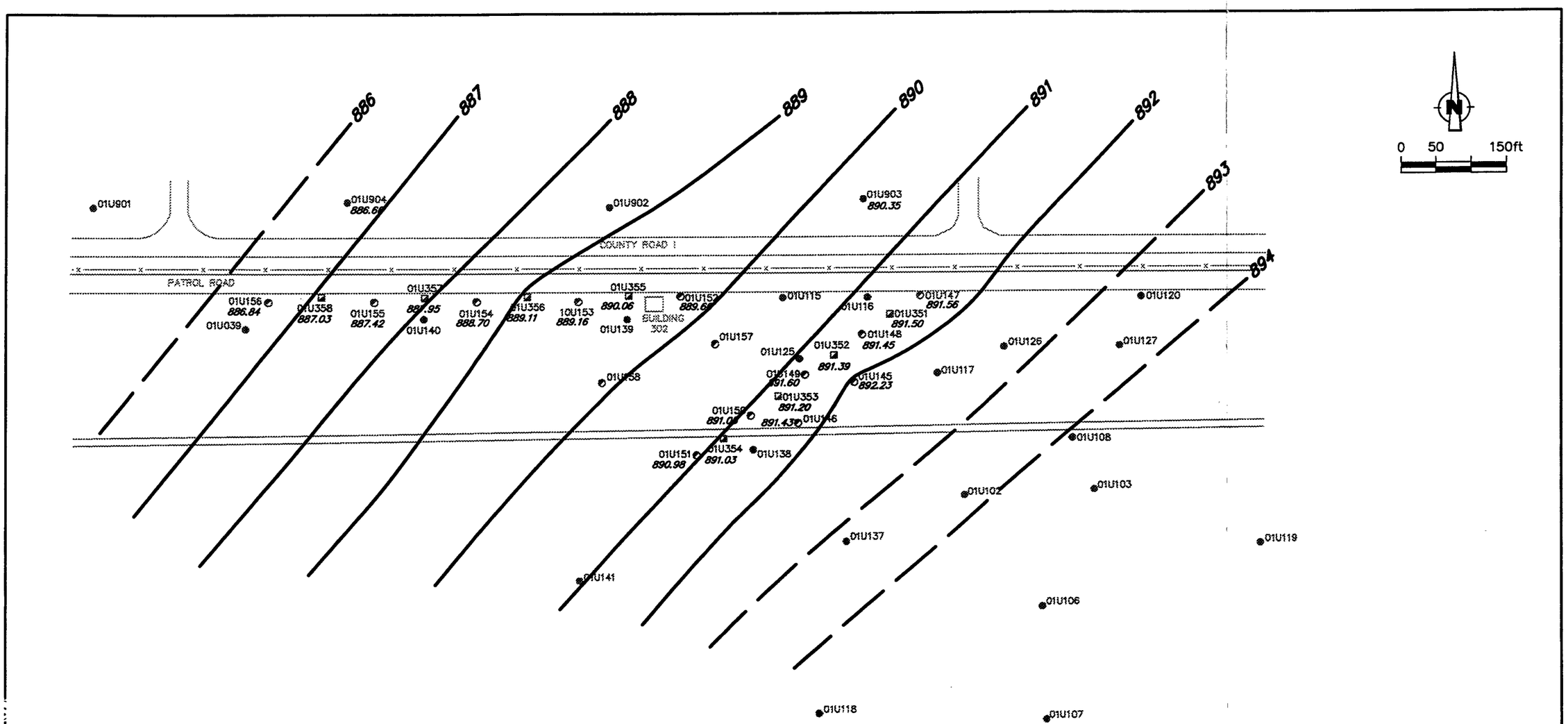
Since the wells work in concert to create the capture zone and the system is relatively insensitive to individual rates, it is appropriate to manage flow based on two groups of wells as follows:

> Group A (wells 351,352, 353, 354 and 355), maintain at least 15 gpm; and
> Group B (wells 356, 357 and 358), maintain at least 10 gpm.

For Group A, keep wells 351, 352, 353 and 354 fairly uniform, +/- 1 gpm is adequate. Operate well 355 to make up the difference. Well 355 is in this group since it is positioned to capture any 'breakthrough' from between wells 351, 352, 353 and 354.

For Group B, keep well 358 running at 3-4 gpm since it must maintain the outer edge of capture. Wells 356 and 357 need only to meet their combined rate of 6 -7 gpm. These rates will assure capture to approximately 10 µg/L of 1,2 dichloroethene.

As the plume continues to shrink, the minimum rate for well 358, and the total rate for the Group A wells, can be reduced proportionately. This would be best addressed in the Annual Monitoring Report for Site A.



LEGEND

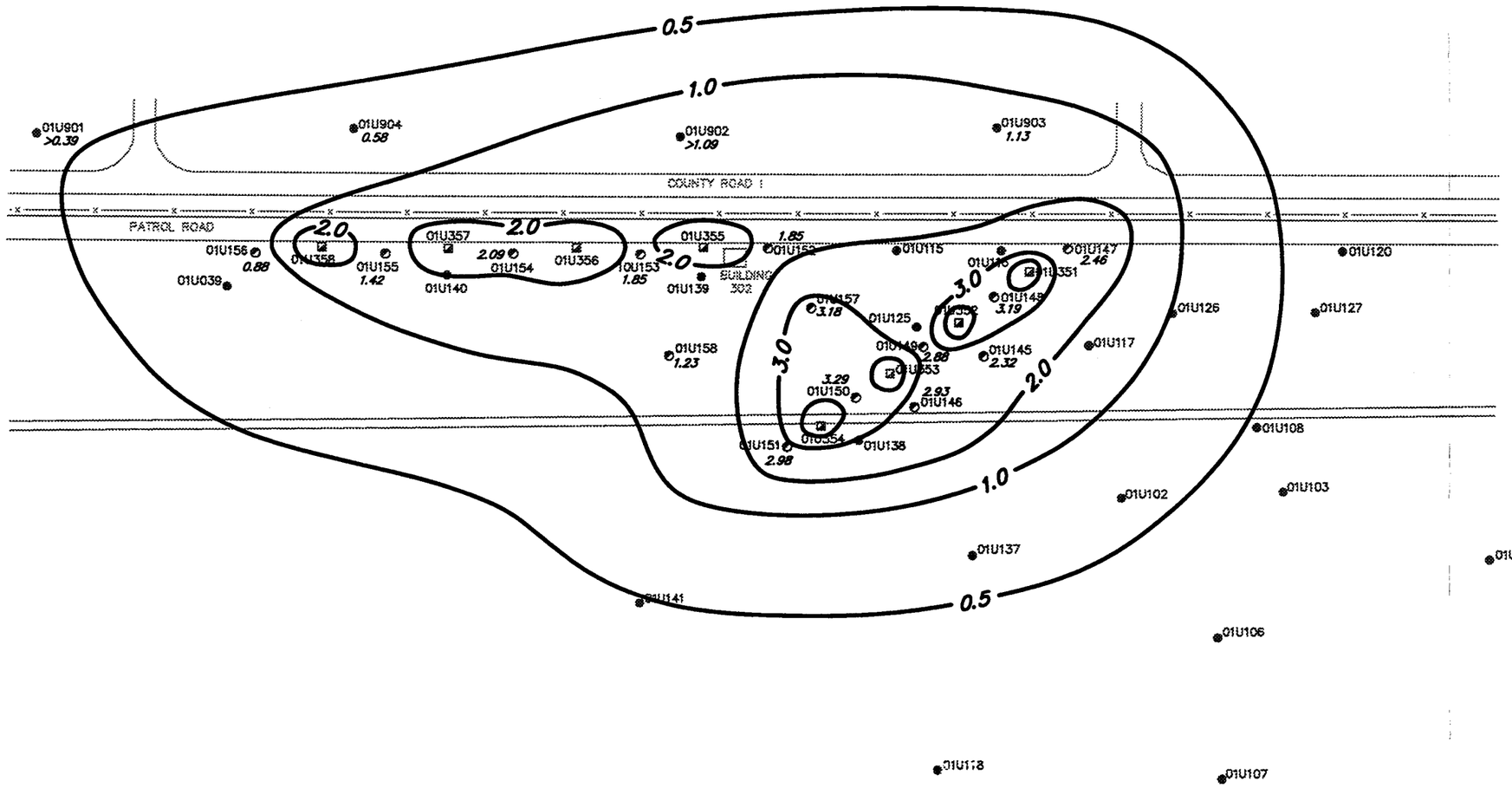
- ● MONITORING WELL LOCATION
- ◐ PIEZOMETER LOCATION
- ◪ EXTRACTION WELL LOCATION
- *889.16* GROUNDWATER ELEVATION IN FEET AMSL
- *—890—* GROUNDWATER CONTOUR

figure 1

PRESTART STATIC WATER ELEVATIONS
MAY 26, 1994
SITE A
Twin Cities Army Ammunition Plant

CRA

6687(L)–JULY 17/96–REV.0 (M–03)(MN)



LEGEND

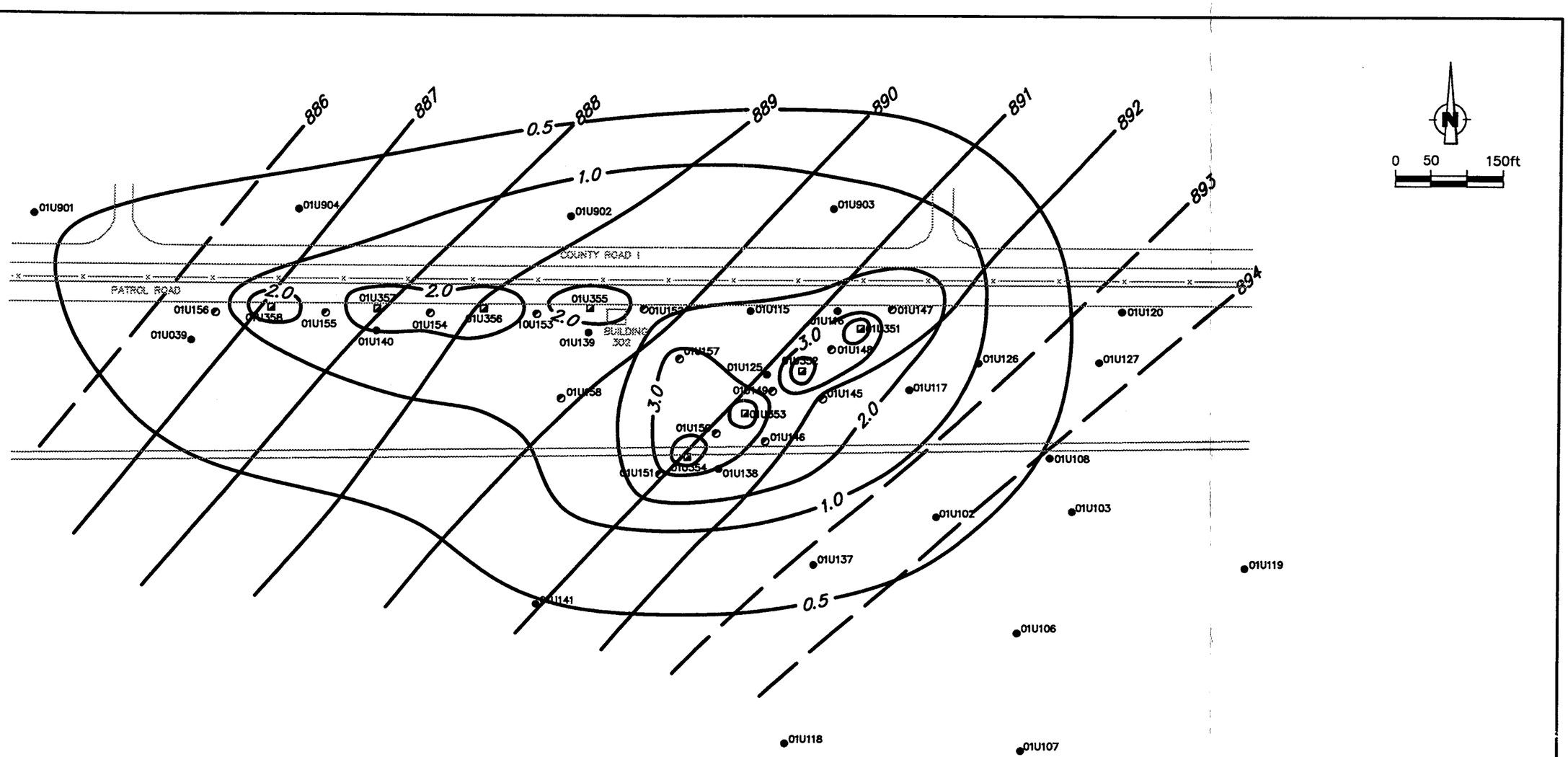
- ● MONITORING WELL LOCATION
- ◐ PIEZOMETER LOCATION
- ◪ EXTRACTION WELL LOCATION
- 1.85 DRAWDOWN IN FEET
- —2.0— DRAWDOWN CONTOUR

figure 2

MAY 26, 1994 TO JUNE 21, 1994
DRAWDOWNS
SITE A
Twin Cities Army Ammunition Plant

CRA

6687(L)–JULY 17/96–REV.0 (M–02)(MN)



LEGEND

- ● MONITORING WELL LOCATION
- ⊘ PIEZOMETER LOCATION
- ◪ EXTRACTION WELL LOCATION
- —890— GROUNDWATER CONTOUR
- —2.0— DRAWDOWN CONTOUR

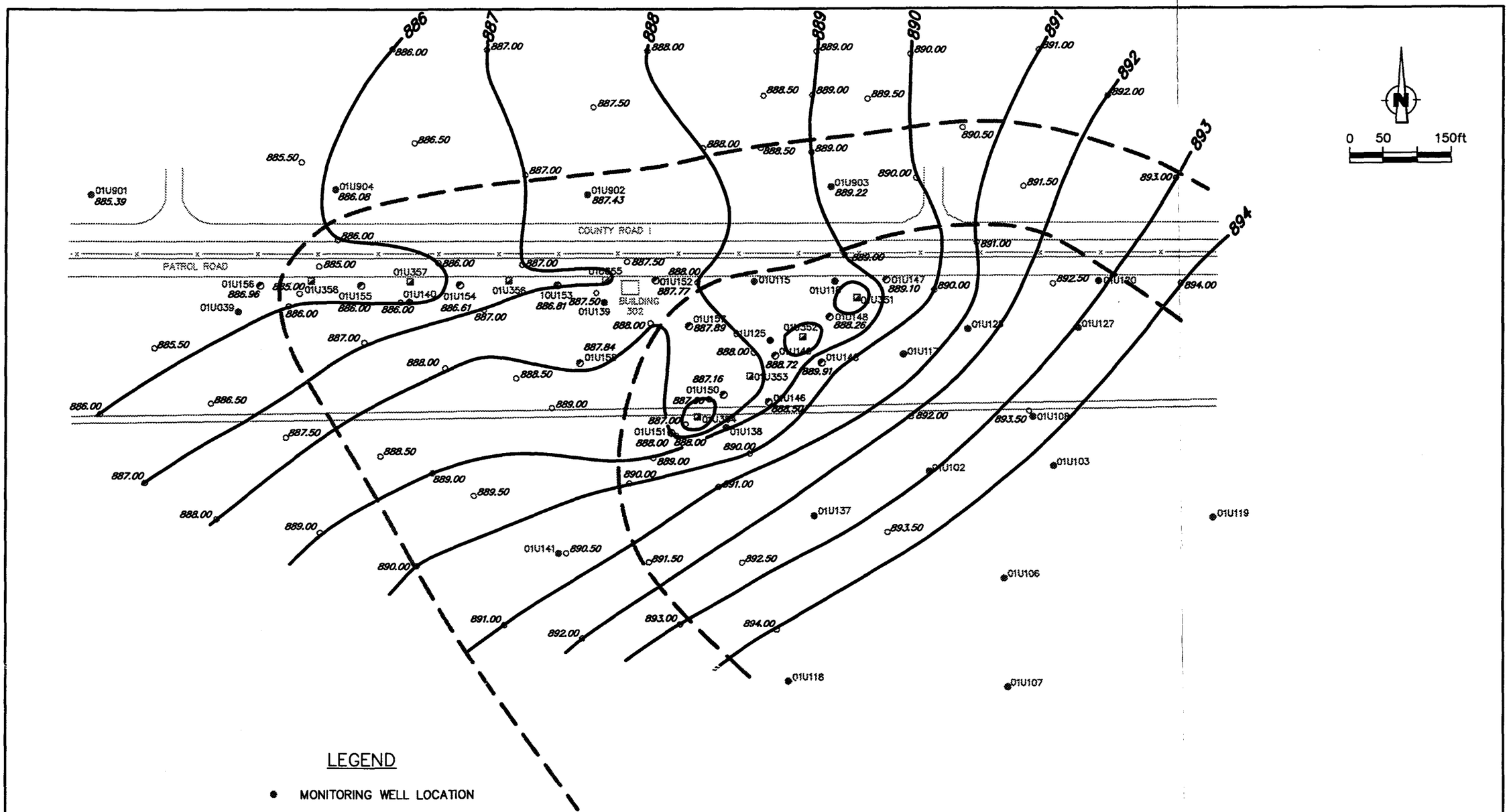
figure 3

OVERLAY OF DRAWDOWN AND STATIC CONTOURS SITE A

Twin Cities Army Ammunition Plant

CRA

6687(L)–JULY 17/96–REV.0 (M–04)(MN)



LEGEND

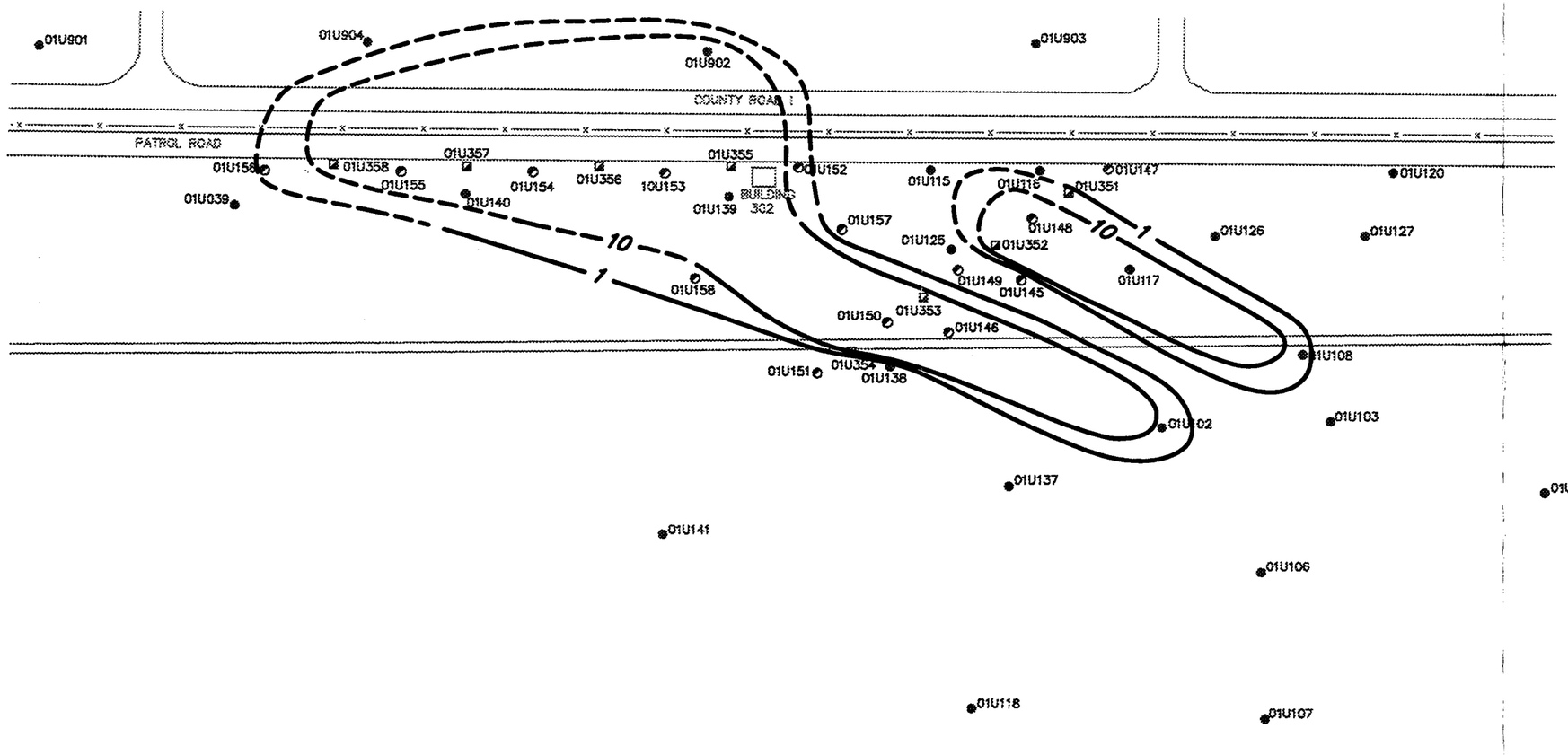
- MONITORING WELL LOCATION
- PIEZOMETER LOCATION
- EXTRACTION WELL LOCATION
- CALCULATED WATER LEVEL LOCATION
- 889.16 GROUNDWATER ELEVATION IN FEET AMSL
- 890 GROUNDWATER CONTOUR
- LIMIT OF CAPTURE

CRA

6687(L)–JULY 17/96–REV.0 (M–05)(MN)

figure 4

ENHANCED GROUNDWATER CONTOURS
JUNE 21, 1994
SITE A
Twin Cities Army Ammunition Plant



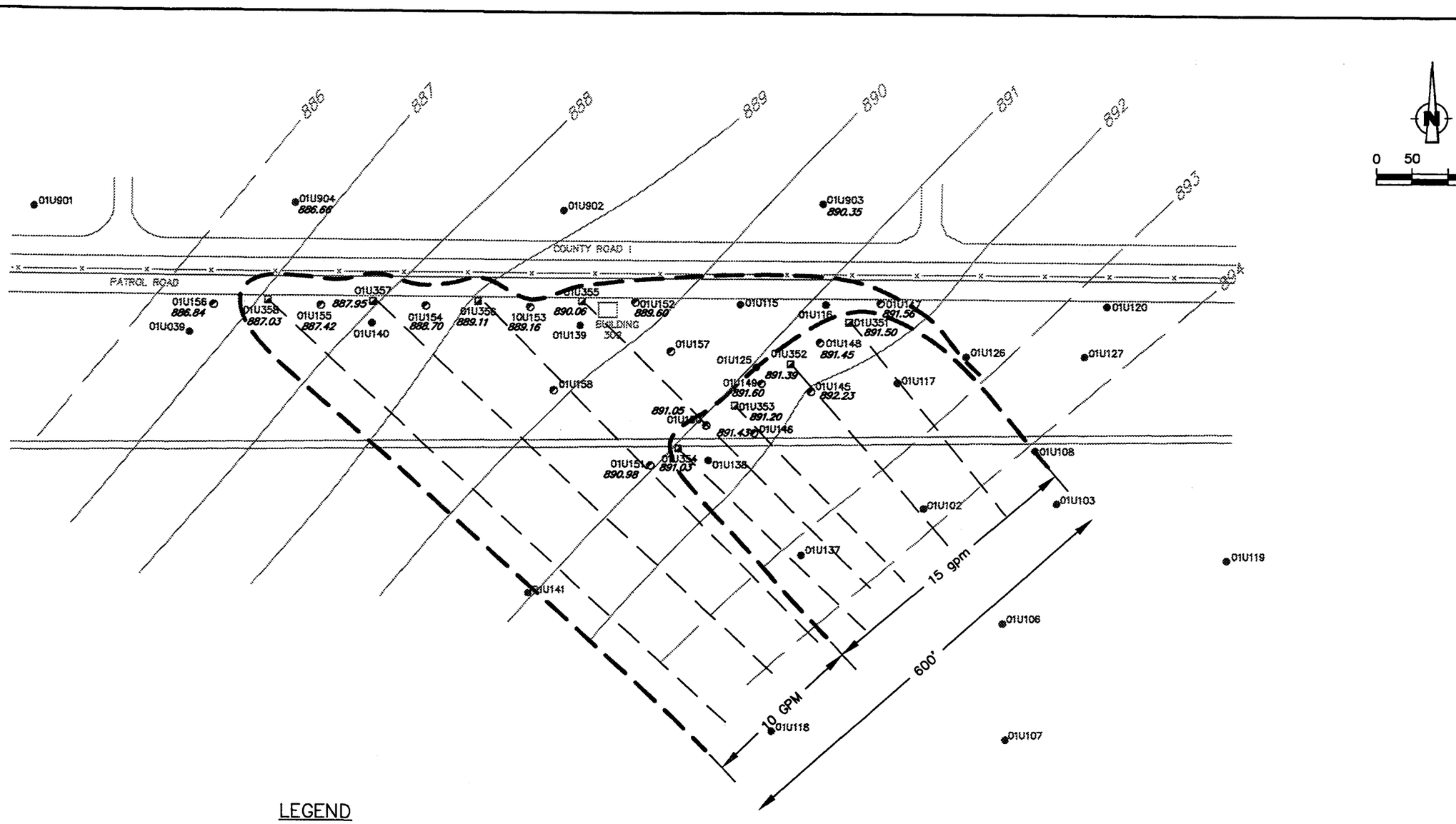
LEGEND

- ● MONITORING WELL LOCATION
- ◐ PIEZOMETER LOCATION
- ◪ EXTRACTION WELL LOCATION
- —10— 1,2–DICHLOROETHENE CONCENTRATION CONTOUR (SOURCE: 1995 TCAAP AMR, WENCK ASSOCIATES, INC.)

figure 5
1,2–DICHLOROETHENE CONTOURS
SPRING 1995
SITE A
Twin Cities Army Ammunition Plant

CRA

6687(L)–JULY 17/96–REV.0 (M–08)(MN)



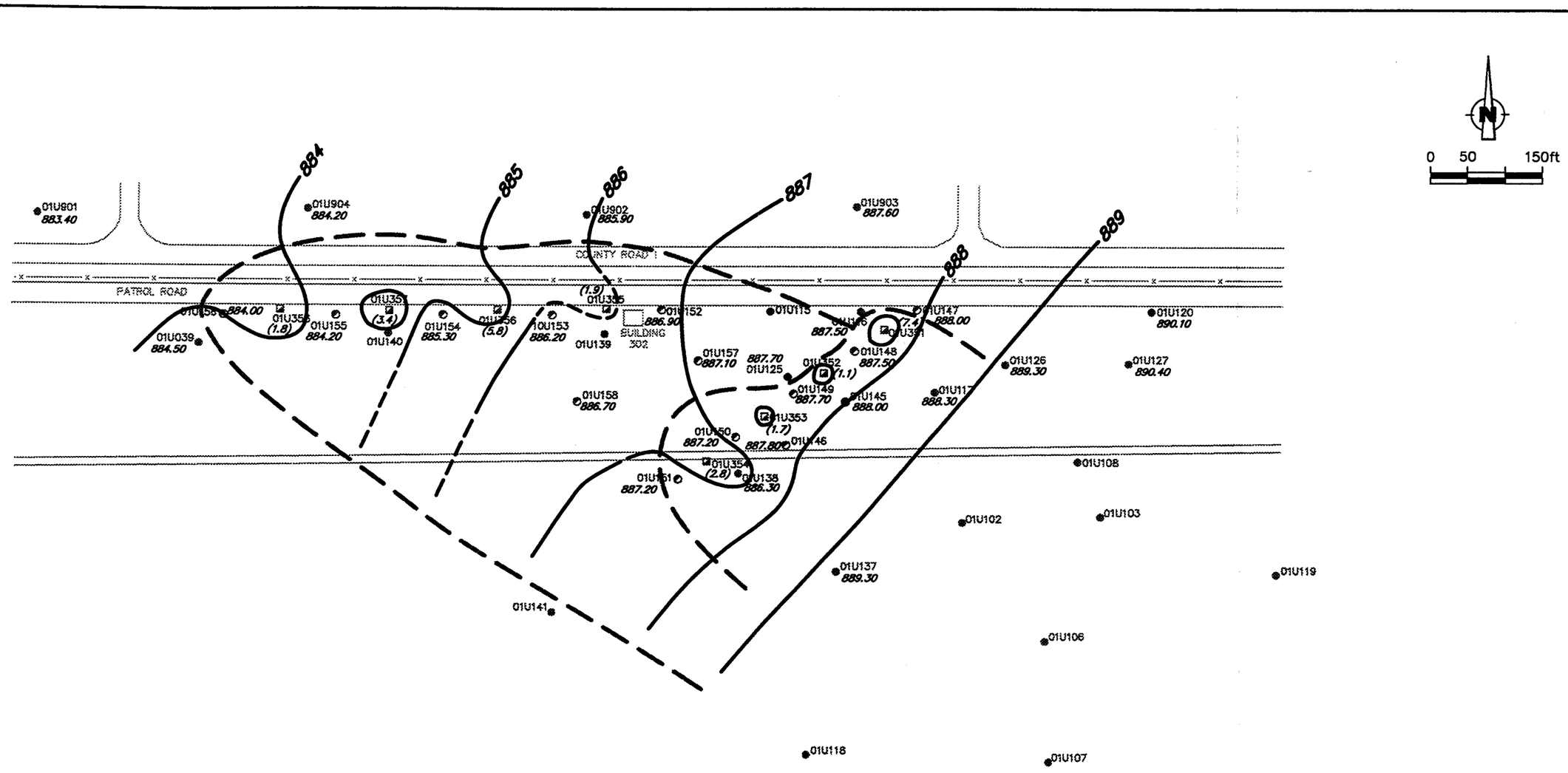
LEGEND

- MONITORING WELL LOCATION
- PIEZOMETER LOCATION
- EXTRACTION WELL LOCATION
- 889.16 GROUNDWATER ELEVATION IN FEET AMSL
- --890-- GROUNDWATER CONTOUR
- — — AXIS OF WELL PARALLEL TO FLOW
- ▬▬ PROJECTED LIMIT OF CAPTURE

CRA

6687(L)-JULY 17/96-REV.0 (M-06)(MN)

figure 6
PROJECTED OPERATION
SITE A
Twin Cities Army Ammunition Plant



LEGEND

- MONITORING WELL LOCATION
- PIEZOMETER LOCATION
- EXTRACTION WELL LOCATION
- *886.20* GROUNDWATER ELEVATION IN FEET AMSL
- *—887—* GROUNDWATER CONTOUR
- — — LIMIT OF CAPTURE
- *(5.8)* FLOW RATE IN gpm

CRA

6687(L)–JULY 17/96–REV.0 (M–07)(MN)

figure 7

WATER ELEVATIONS–SYSTEM AT 25.8 GPM
SEPTEMBER 8, 1995
SITE A
Twin Cities Army Ammunition Plant

APPENDIX B

Appendix B

TCAAP Well Index

Appendix B.1

Sorted by Minnesota Unique Number

Minnesota Unique #	IRDMIS #	Common Name	Well Location	Well Type	Second Unique #	Well Location On-post	Well Location Off-post
107405		ROEBKE	OFF	UN			
110485		NEW BRIGHTON #12					
114410	03U521		OFF	MON		F-7	
122210		ST. PAUL PORT AUTH. #3	OFF	IND			
127537		MIDWEST ASPHALT	OFF	DOM			
134318		LORENZ W SEUTTER	OFF	DOM			
139035		WATERGATE MARINA	OFF	P.S.			
151568		ARDEN MANOR MOBILE HOME	OFF	P.S.			
161432		NEW BRIGHTON #10					
191942		118PDC/MODEL STONE	OFF	MON			R-24
194701	01U620	OW120U1	ON	MON		F-3	
194702	01U621	PW121U1	ON	MON		F-3	
194703	01U622	OW122U1	ON	MON		F-3	
194704	01U623	OW123U1	ON	MON		F-3	
194716	01U634	OW504U1	ON	MON		J-5	
194717	01U638	OW508U1		MON			
194718	01U639	OW509U1	ON	MON		K-6	
194719	01U640	OW510U1	ON	MON		K-6	
194720	01U631	OW501U1	ON	MON			
194721	01U632	OW502U1		MON			
194722	01U635	OW505U1	ON	MON			
194723	01U636	OW506U1	ON	MON.		K-5	
194724	01U642	OW512U1	ON	MON		K-7	
194725	01U612	OW112U1	ON	MON	194758	E-3	
194726	01U613		ON	MON	194759	E-3	
194727	01U615	OW115U1	ON	MON	194760	F-3	
194728	01U616	OW116U1	ON	MON	194761	F-3	
194729	01U617	OW117U1	ON	MON	194770	F-3	
194730	01U618	OW118U1	ON	MON	194771	F-3	
194772	01U619	PW119U1	ON	MON		F-3	
200070		RUAN TRANSPORT	OFF	COM			
200071		PRESTRESSED CONCRETE	OFF	IND			
200072		WITTE TRANSPORTATION	OFF	IND			
200073		WILSON TRANSFER & STORAGE	OFF	IND			
200074		ASBESTOS PROD	OFF	IND			
200075		PHILLIPS PETROLEUM	OFF	IND			
200076		OLD DUTCH FOODS INC	OFF	IND			Z-23
200077		JOHN CONLIN	OFF	DOM			
200078		WILLIAM CLASS	OFF	DOM			
200079		LAWRENCE SCHOENING	OFF	DOM			
200080		CARL A OSTROM & SON	OFF	DOM			
200081		A. O. LIEBIG	OFF	DOM			
200082		2196 MARION ROAD	OFF	DOM			
200148		PAPER CALMERSON	OFF	IND			BB-23
200154		U OF M GOLF COURSE	OFF	IRR			CC-25
200167		KOPPERS COKE #1	OFF	IND			
200171		PLATING INC	OFF	IND			

Minnesota Unique #	IRDMIS #	Common Name	Well Location	Well Type	Second Unique #	Well Location On-post	Well Location Off-post
200197		SNOW FLAKE DAIRY	OFF	COM			
200264		1620 CENTRAL	OFF	IND			
200384		METALLURGICAL INC. WELL #1	OFF	IND			
200524		ST. ANTHONY #5	OFF	MUNI			V-21
200525		PLETSCHER	OFF	UN			
200531		NAZARETH	OFF	UN			
200599		CEDAR AVE. TRIANGLE	OFF	P.S.			
200602		ATKINSON MILL CO.	OFF	IND			
200629		GENERAL MILLS	OFF	IND			
200803		ST. ANTHONY #4	OFF	P.S.			X-22
200804		ST. ANTHONY #3	OFF	MUNI			X-22
200812		GROSS GOLF COURSE #1	OFF	COM			AA-22
200814		AMERICAN LINEN	OFF	IND			CC-22
201074		GLEASSON MORTUARY	OFF	COM			
201082		NORTHWESTERN HOSPITAL	OFF	P.S.			
206669		FRIDLEY #8	OFF	MUNI			
206672		FRIDLEY #9	OFF	MUNI			
206673		FRIDLEY #6	OFF	MUNI			
206688		CLOVERPOND WELL	OFF	DOM			T-20
206689		JAMES K. O'NEIL	OFF	UN			
206693		FERNELIUS	OFF	UN			
206702		MINN E.S.	OFF	UN			
206720		MOUNDSVIEW	OFF	MUNI			
206722		M0UNDSVIEW #5	OFF	MUNI			
206724	PJ#504	TWIN CITIES ARSENAL	OFF	ABAND		E-2	
206725	03L523	ARSENAL GRAVEL PIT	ON	ABAND 8/92		D-8	
206750		SHORE #4	OFF	MUNI			
206753	PJ#506	TWIN CITIES ARSENAL NO. 6	ON	ABAND		H-5	
206754	PJ#501	TWIN CITIES ARSENAL	ON	P.S.		F-4	
206755	PJ#507	TWIN CITIES ARSENAL NO. 7	ON	ABAND		H-5	
206756	PJ#502	TWIN CITIES ARSENAL NO. 2	ON	IND		G-4	
206758	PJ#503	TWIN CITIES ARSENAL NO. 3	ON	IND		H-4	
206759	PJ#508	TWIN CITIES ARSENAL NO. 8	ON	ABAND		I-6	
206760	03M509		ON	MON		J-6	
206760	PJ#509	TWIN CITIES ARSENAL NO.9	ON	DOM		J-6	
206787		MOUNDSVIEW H.S.	OFF	P.S.			S-25
206791		NEW BRIGHTON #7	OFF	MUNI			U-23
206792		NEW BRIGHTON #4					
206793		NEW BRIGHTON #3	OFF	MUNI			S-21
206794		NEW BRIGHTON #9					
206795		NEW BRIGHTON #8					
206796		NEW BRIGHTON #5	OFF	MUNI			
206797		NEW BRIGHTON #6	OFF	MUNI			T-21
223844		KURTH MALTING CO EAST WL	OFF	IND			
223992		BOOM ISLAND	OFF	IND			
225886		FRANKLIN STEEL SQUARE	OFF	P.S.			
225905		ST PAUL TERM. WAREHOUSE	OFF	IND			

Minnesota Unique #	IRDMIS #	Common Name	Well Location	Well Type	Second Unique #	Well Location On-post	Well Location Off-post
225906		ST PAUL TERM. WAREHOUSE	OFF	IND			
231741		LABELLE	OFF	UN			
231742	04U510	GRENADE PLANT PROOF RANGES	ON	IND		C-12	
231845		MNDOT CIVIL DEFENSE TRAIN.	ON/OFF	P.S.		A-4	
231854	03L522	ARSENAL GRAVEL PIT	ON	ABAND 8/92		D-8	
231857	03M505			ABAND		K-12	
231878		MENGELKOCH #2	OFF	UN			R-25
232067		NBR 135	OFF	UN			
232069		UHIL	OFF	UN			
233221		REUBEN MEAT	OFF	DOM			CC-20
233222		LOWRY GROVE TRAILER	OFF	ABAND			Z-21
233241		KOZAH'S MARKET	OFF	UN			
233520		MCGILLIS	OFF	UN			
233533		ROSELAWN CEMETARY	OFF	IRR			
233763		P. L. MORGAN	OFF	DOM			
233806		2581 NORTH CLEVELAND	OFF	DOM			
234135	03U001	S1U3	ON	MON		G-2	0-25
234136	03M001	S1M3	ON	MON		G-2	0-25
234137	03L001	S1L3	ON	MON		G-2	0-25
234138	04U001	S1U4	ON	MON		G-2	0-25
234139	03U002	S2U3	ON	MON		I-4	P-25
234140	03M002	S2M3	ON	MON		I-4	P-25
234141	03L002	S2L3	ON	MON		I-4	P-25
234142	03U003	S3U3	ON	MON		K-5	Q-26
234143	03M003	S3M3	ON	MON		K-5	Q-26
234144	03L003	S3L3	ON	MON		K-5	Q-26
234145	03U004	S4U3	ON	MON		K-7	
234146	03M004	S4M3	ON	MON		K-7	
234147	03L004	S4L3	ON	MON		K-7	
234148	03U005	S5U3	ON	MON		K-9	
234149	03U006	S6U3	ON	MON		K-11	
234150	03U007	S7U3	ON	MON		J-12	
234151	03M007	S7M3	ON	MON		J-12	
234152	03L007	S7L3	ON	MON		J-12	
234153	03U008	S8U3	ON	MON		F-12	
234154	03U009	S9U3	ON	MON		B-12	
234155	03U010	S10U3	ON	MON		A-10	
234156	03M010	S10M3	ON	MON		A-10	
234157	03L010	S10L3	ON	MON		A-10	
234158	03U011	S11U3	ON	MON		A-7	
234159	03U012	S12U3	ON	MON		B-3	
234160	03M012	S12M3	ON	MON		B-3	
234161	03L012	S12L3	ON	MON		B-3	
234162	03U013	S13U3	ON	MON		E-2	
234163	03M013	S13M3	ON	MON		E-2	
234164	03L013	S13L3	ON	MON		E-2	
234165	03U014	S14U3	ON	MON		I-7	P-27

Minnesota Unique #	IRDMIS #	Common Name	Well Location	Well Type	Second Unique #	Well Location On-post	Well Location Off-post
234166	03U015	S15U3	ON	MON		F-5	
234167	03U016	S16U3	ON	MON		F-9	0-27
234168	03U017	S17U3	ON	MON		H-5	
234169	03M017	S17M3	ON	MON		H-5	
234170	03L017	S17L3	ON	MON		H-5	
234171	03U018	S18U3	ON	MON		H-6	
234172	03U019	S19U3	ON	MON		H-8	
234173	03U020	S20U3	ON	MON		I-6	P-26
234174	03M020	S20M3	ON	MON		I-6	P-26
234175	03L020	S20L3	ON	MON		I-6	P-26
234176	03U021	S21U3	ON	MON		J-4	P-26
234193	04U003	S3U4	ON	MON		K-5	Q-26
234194	04U002	S2U4	ON	MON		I-4	P-25
234195	04U007	S7U4	ON	MON		J-12	
234196	04U012	S12U4	ON	MON		B-3	
234197	04U020	S20U4	ON	MON		I-6	P-26
234198	01U004	S4U1	ON	MON		K-7	
234199	01U011	S11U1	ON	MON		A-7	
234200	01U012	S12U1	ON	MON		B-3	
234201	01U022	S22U1	ON	MON		B-6	
234202	01U033	S33U1	ON	MON		A-10	
234204	01U034	S34U1	ON	MON		A-8	
234205	01U035	S35U1	ON	TEST		A-7	
234206	01U036	S36U1	ON	MON		A-7	
234207	01U037	S37U1		MON			
234208	01U038	S38U1		MON		A-6	
234209	01U039	S39U1	ON	MON		A-4	
234210	01U040	S40U1	ON	MON		B-4	
234211	01U041	S41U1	ON	MON		B-5	
234212	01U044	S44U1	ON	MON		C-4	
234215	01U045	S45U1	ON	MON		D-4	
234216	01U046	S46U1	ON	MON		D-4	
234217	01U047	S47U1	ON	MON		E-2	
234218	01U048	S48U1		MON		E-2	
234221	01U050	S50AU1		MON		H-2	
234222	01U051	S51U1	ON	MON		H-2	
234223	01U052	S52U1	ON	MON		E-3	
234225	01U053	S53AU1	ON	MON		K-4	
234227	01U054	S54AU1		MON		K-5	
234235	01U060	S60U1	ON	MON		J-10	
234237	01U062	S62U1	ON	MON		J-3	
234239	01U063	S63U1	ON	MON		B-4	
234240	01U064	S64U1	ON	MON		J-6	
234241	01U065	S65U1	ON	MON		F-2	
234243	01U067	S67U1	ON	MON		B-6	
234250	01U072	S72AU1	ON	MON		E-9	
234301		DEWITT	OFF	UN			

Minnesota Unique #	IRDMIS #	Common Name	Well Location	Well Type	Second Unique #	Well Location On-post	Well Location Off-post
234305		GLENN BEGGIN	OFF	UN			
234319		HIDE & TALLOW #1	OFF	UN			P-25
234327		BRESKE	OFF	UN			
234335		MENGELKOCH #1	OFF	UN			R-25
234337		MENGELKOCH #3	OFF	UN			R-25
234350		GORDON	OFF	UN			
234351		YEMPA	OFF	UN			
234352		1206 12TH AV NW	OFF	UN			R-23
234353		LENTSCH'S ICE WK.	OFF	UN			P-25
234355		KINGDOM HALL	OFF	UN			
234356		NORDQUIST P43	OFF	UN			Q-25
234357		PHILLIPS PET P46	OFF	UN			P-25
234386		ZELL OLS.	OFF	UN			
234391		SHERER L.	OFF	UN			
234396		DEWITT	OFF	UN			
234406		KLAPP	OFF	UN			
234409		HIDE & TALLOW	OFF	UN			
234425		KEN GEREBI	OFF	UN			P-25
234430		CMIEL	OFF	UN			Q-26
234431		HARSTAD	OFF	UN			
234463		KEN SOLIE	OFF	UN			V-21
234546		HONEYWELL RIDGEWAY	OFF	UN			BB-21
234547		HONEYWELL RIDGEWAY	OFF	UN			BB-21
235539		OLD HOTEL	OFF	UN			Q-24
235557		HIDDEN FALLS PARK W.WELL	OFF	P.S.			
235565	PJ#074	S74PJ		MON		I-6	
235619		SHRINERS HOSPITAL	OFF	P.S.			
235735		FLOUR CITY ARCHITECTURAL	OFF	COM			
235748	03L014	S14L3	ON	MON		I-7	P-27
235749	03L018	S18L3	ON	MON		H-6	
235750	03L021	S21L3	ON	MON		J-4	P-26
235751	03L027	S27L3	ON	MON		J-6	
235752	03L028	S28L3		MON		J-6	
235753	03L029	S29L3		MON	236066	K-5	P-26
236066	03U094	S94U3	ON	MON		I-7	P-27
236067	03L091	S91L3	ON	MON		G-7	
236068	03L086	S86L3	ON	MON		J-9	
236069	03U084	S84U3	ON	MON		H-3	0-25
236070	03L081	S81L3	ON	MON		I-8	
236071	03L080	S80L3	ON	MON		J-6	
236072	03U079	S79U3	ON	MON		K-5	Q-26
236073	03U078	S78U3	ON	MON		J-4	P-26
236074	03L078	S78L3	ON	MON		J-4	P-26
236075	03U077	S77U3	ON	MON		I-3	P-25
236076	03L077	S77L3	ON	MON		I-3	P-25
236077	03U076	S76U3	ON	MON		G-2	
236078	03U075	S75U3	ON	MON		F-2	

Minnesota Unique #	IRDMIS #	Common Name	Well Location	Well Type	Second Unique #	Well Location On-post	Well Location Off-post
236079	03L005	S5L3	ON	MON		K-9	
236080	03L113	WF1L3	ON	MON		G-8	0-27
236122		NWR	OFF	ABAND			Q-24
236176	01U003	S3U1	ON	MON		K-5	Q-26
236177	01U043	S43AU1		MON		C-5	
236178	03U022	S22U3		MON		B-6	
236179	03U023	S23U3		MON		B-5	
236180	03U024	S24U3		MON		C-5	
236181	03U025	S25U3		MON		D-4	
236182	03U026	S26U3	ON	MON		H-7	
236183	03U027	S27U3		MON		J-6	
236184	03U028	S28U3		MON		J-6	
236185	03U029	S29U3		MON		K-5	P-26
236186	03U030	S30U3		MON		J-6	P-26
236187	03U031	S31U3		MON		F-4	
236188	03U032	S32U3		MON		G-7	
236189	01U601	OW101U1	ON	MON		F-3	
236190	01U602	OW102U1	ON	MON		F-3	
236191	01U603	OW103U1	ON	MON		E-3	
236192	01U604	OW104U1	ON	MON		E-3	
236193	01U605	OW10571	ON	MON		E-3	
236194	01U524	FA4U1	ON	PIEZ.		I-3	
236195	01U527	FV8U1	ON	PIEZ.		I-3	
236196	01U525	FW5U1	ON	PIEZ.		J-4	
236197	01U526	FV12U1	ON	PIEZ.		I-4	
236437	PJ#802	T2PJ	OFF	MON	421437	K-4	Q-26
236449	03U801	T1U3	OFF	MON		K-4	Q-26
236450	04U802	T2U4	OFF	MON		K-4	Q-26
236452	01U803	T3U1	OFF	TEST	424053	K-3	Q-25
236453	03U803	T3U3	OFF	MON	421434	K-3	Q-25
236455	03U804	T4U3	OFF	MON	421433	J-4	P-25
236457	01U805	T5U1	OFF	MON	424060	J-3	P-25
236458	03U805	T5U3	OFF	MON	421432	J-3	P-25
236460	01U806	T6U1	OFF	MON	424058	I-3	P-25
236461	03U806	T6U3	OFF	MON	421431	I-3	P-25
236462	03M806	T6M3	OFF	MON	421430	I-3	P-25
236463	03L806	T6L3	OFF	MON	421429	I-3	P-25
236464	04U806	T6U4	OFF	MON	421428	I-3	P-25
236465	PJ#806	T6PJ	OFF	MON	421427	I-3	P-25
236468	PJ#003	S3PJ	ON	MON		K-5	Q-26
236469	PJ#027	S27PJ	ON	MON		J-6	
236471	01U807	T7U1	OFF	TEST	424059		
236476	03U082	S82U3	ON	MON		B-7	
236478	03U083	S83U3	ON	MON		E-4	
236479	01U085	S85U1	ON	MON		D-4	
236480	03U087	S87U3	ON	MON		F-6	
236482	03U088	S88U3	ON	MON		F-6	

Minnesota Unique #	IRDMIS #	Common Name	Well Location	Well Type	Second Unique #	Well Location On-post	Well Location Off-post
236483	03U089	S89U3	ON	MON		F-6	
236485	03U090	S90U3	ON	MON		H-7	
236487	03U092	S92U3	ON	MON		H-6	
236489	03U093	S93U3	ON	MON		H-6	
236491	03U096	S96U3	ON	MON		G-6	
236493	03U097	S97U3	ON	MON		E-9	
236494	01U098	S98U1	ON	MON		J-10	
236495	03U099	S99U3	ON	MON		K-10	
236497	01U100	S100U1	ON	MON		B-9	
236498	01U101	S101U1	ON	MON		B-8	
236499	01U102	S102U1	ON	MON		A-5	
236500	01U103	S103U1	ON	MON		A-6	
236501	01U104	S104U1	ON	MON		A-6	
236502	01U105	S105U1	ON	MON		A-6	
236503	01U106	S106U1	ON	MON		A-6	
236504	01U107	S170U1	ON	MON		B-6	
236505	01U108	S108U1	ON	MON		A-6	
236506	01U109	S109U1	ON	MON		B-6	
236507	01U110	S11OU1	ON	MON		B-6	
236508	03U111	S111U3	ON	MON		E-9	
236510	03U112	S112U3	ON	MON		H-7	0-27
242124	03U113	WF1U3	ON	MON		G-8	0-27
242125	03U114	WF2U3	ON	MON		H-7	0-27
242127	01U607	OW107U1	ON	MON		E-3	
242128	01U608	OW108U1	ON	MON		F-3	
242129	01U609	OW109U1	ON	MON		F-3	
242130	01U610	OW110U1	ON	MON			
242131	01U611	OW111U1	ON	MON		E-3	
242132	03U647		ON	MON		J-6	
242133	03U648		ON	MON		J-6	P-26
242134	01U652	OW522U1	ON	MON		J-6	
242135	01U666	OW536U1	ON	MON		K-5	
242136	01U667	OW537U1	ON	MON		J-6	
242137	01U668	OW538U1	ON	MON		J-6	
242138	04U027	S27U4		MON		J-6	
242153	01U813	H3U1	OFF	MON			P-23
242160	03L079	S79L3	ON	MON		K-5	Q-26
242162		301PB	OFF	UN			
242182	01U624A	BP185A	ON	PIEZ		F-3	
242183	01U624B	BP185B	ON	PIEZ		F-3	
242184	01U624C	BP185C	ON	PIEZ		F-3	
242185	01U624D	BP185D	ON	PIEZ		F-3	
242186	01U625A	BP285A	ON	PIEZ		F-3	
242187	01U625B	BP285B	ON	PIEZ		F-3	
242188	01U625C	BP285C	ON	PIEZ		F-3	
242189	01U625D	BP285D	ON	PIEZ		F-3	
242190	01U626A	BP385A	ON	PIEZ		F-3	

Minnesota Unique #	IRDMIS #	Common Name	Well Location	Well Type	Second Unique #	Well Location On-post	Well Location Off-post
242191	01U626B	BP385B	ON	PIEZ		F-3	
242192	01U626C	BP385C	ON	PIEZ		F-3	
242193	01U626D	BP385D	ON	PIEZ		F-3	
242194	01U627A	BP485A	ON	PIEZ		F-3	
242195	01U627B	BP485B	ON	PIEZ		F-3	
242196	01U627C	BP485C	ON	PIEZ		F-3	
242197	01U627D	BP485D	ON	PIEZ		F-3	
242198	01U628A	BP585A	ON	PIEZ		F-3	
242199	01U628B	BP585B	ON	PIEZ		F-3	
242200	01U628C	BP585C	ON	PIEZ		F-3	
242201	01U628D	BP585D	ON	PIEZ		F-3	
242207		SUNSET MEMORIAL CEMETARY	OFF	UN			
249152		BOYLE	OFF	DOM			
265735		FLOUR CITY ARCH	OFF	UN			
322664		ABBOTT NW HOSP	OFF	UN			
405651		METAL-MATIC INC.	OFF	IND			
406198	04U851	311U4	OFF	MON			U-23
409546		PCA2L3	OFF	TEST			S-24
409547		PCA1U4	OFF	TEST			R-24
409548		PCA2U4	OFF	TEST			S-24
409549		PCA3U4	OFF	TEST			R-22
409550		PCA6U3	OFF	TEST			P-25
409555		PCA5U4	OFF	TEST			V-22
409556		PCA4L3	OFF	TEST			S-22
409557		PCA1L3	OFF	TEST			R-24
409595		B109U3	OFF	ABAND			R-24
409596		B118U3	OFF	MON			R-24
409597		B118L3	OFF	IND			R-24
409598		B117U3	OFF	ABAND			R-24
416051	03M848	308M3	OFF	MON			Q-25
416078	04U848	308U4	OFF	TEST			Q-25
416080	04U852	312U4	OFF	MON			V-23
416081	03L858	318L3	OFF	MON			X-22
416082	04U849	309U4	OFF	MON			R-23
416143			OFF	ABAND			
416198		311U4	OFF	MON			
416199	03L848	308L3	OFF	MON			Q-25
416200	04U850	310U4	OFF	MON			S-22
420713		HERBST LANDFILL	OFF	MON			
421425	03U659		ON	MON		J-6	P-26
421426	03U658		ON	MON		K-7	
421438	03U671	PO-1	ON	MON		J-4	P-26
421440	03U672	PD2U3	OFF	MON		K-6	Q-26
421441	03U673	PD3U3	OFF	MON		L-3	Q-25
424052	01L822	NW2L1	OFF	TEST			Q-24
424054	01L821	NW1L1	OFF	TEST			Q-24
424055	01L811	H1L1	OFF	TEST			P-24

Minnesota Unique #	IRDMIS #	Common Name	Well Location	Well Type	Second Unique #	Well Location On-post	Well Location Off-post
424056	01L816	H6L1	OFF	ABAND			P-24
424057	01U808	T8U1	ON	MON		J-2	
424061	01L823	NW3L1	OFF	TEST			S-24
424062	01L813	H3L1	OFF	TEST			P-23
426808	03U811	H1U3	OFF	TEST			P-24
426809	03L811	H1L3	OFF	TEST			P-24
426810	03U821	NW1U3	OFF	TEST			Q-24
426811	04U821	NW1U4	OFF	TEST			Q-24
426812	03U822	NW2U3	OFF	TEST			Q-24
426813	03L822	NW2L3	OFF	TEST			Q-24
426814	03U824	NW4U3	OFF	TEST			R-24
426815	03L673	PD3L3	OFF	TEST		L-3	Q-25
426816	03L813	H3L3	OFF	TEST			P-23
426817	03L802	T2L3	OFF	TEST		K-4	Q-26
426818	03M802	T2M3	OFF	TEST		K-4	Q-26
426842	03F302	B1	ON	REM		K-5	Q-26
426843	03F303	B2	ON	REM		K-4	P-26
426844	03F304	B3	ON	REM		J-4	P-25
426845	03F305	B4	ON	REM		J-3	P-25
426846	03F306	B5	ON	REM		I-3	P-25
426847	03F307	B6	ON	REM		I-3	P-25
426848	03U701	701U3	ON	MON		I-3	P-25
426849	04U701	701U4	ON	MON		I-3	P-25
426850	03U702	702U3	ON	MON		I-3	P-25
426851	04U841	301U4	OFF	TEST			Q-25
426852	03M843	303M3	OFF	TEST			Q-24
426853	04U843	303U4	OFF	TEST			Q-24
426854	04U844	304U4	OFF	TEST			R-24
426855	04U845	305U4	OFF	MON			R-25
426856	04U846	306U4	OFF	MON			S-22
426857	04U847	307U4	OFF	MON			P-24
426858	03L853	313L3	OFF	MON			Q-24
426859	03L854	314L3	OFF	MON			R-25
426860	04U855	315U4	OFF	MON			Q-22
426861	03L856	316L3	OFF	MON			P-23
426862	03U815	H5U3	OFF	TEST			P-23
426863	03U831	OM1U3	OFF	TEST			R-24
426864	03U832	OM2U3	OFF	TEST			R-24
426865	03L832	OM2L3	OFF	TEST			R-24
426866	04U832	OM2U4	OFF	TEST			R-24
426867	04U673	PD3U4	OFF	TEST		L-3	Q-25
426868	03L809	T9L3	OFF	MON			P-25
426876	04U702	702U4	ON	MON		I-3	P-25
426877	04U077	ST77U4	ON	MON		I-3	P-25
426878	03U703	703U3		MON		K-4	P-26
426879	03U708	708U3	ON	MON		J-4	P-25
426880	04U708	708U4	ON	MON		J-4	P-25

Minnesota Unique #	IRDMIS #	Common Name	Well Location	Well Type	Second Unique #	Well Location On-post	Well Location Off-post
426881	03U709	709U3	ON	MON		J-3	P-25
426882	04U709	709U4	ON	MON		J-3	P-25
426883	03U704	704U3	ON	MON		E-7	
426884	03U705	705U3	ON	MON		E-7	
426885	03U706	706U3	ON	MON		E-6	
426886	03U707	707U3	ON	MON		C-7	
427410	01U120		ON	MON		A-6	
427411	01U115		ON	MON		A-5	
427412	01U116		ON	MON		A-5	
427413	01U117		ON	MON		A-5	
427414	01U118		ON	MON		B-5	
427415	01U119		ON	MON		A-6	
434031	04U711	711U4	OFF	MON		J-3	P-25
434032	03U710	71OU3	ON	MON		K-5	Q-26
434033	03U711	711U3	OFF	MON		J-3	P-25
434034	04U861	321U4	OFF	MON			R-24
434035	04U860	320U4	OFF	MON			R-25
434036	04U859	319U4	OFF	MON			Q-25
434037	03L841	301L3	OFF	MON			Q-25
434038	03L860	320L3	OFF	MON			R-25
434039	03L861	321L3	OFF	MON			R-24
434040	03L859	319L3	OFF	MON			Q-25
439701	04U854	314U4	OFF	MON			R-25
440884	03U121		ON	MON		H-7	
440885	03M005	ST-5-M3	ON	MON		K-9	
440886	03U129		ON	MON		D-9	
440887	03L084	ST84L3	ON	MON		H-3	0-25
440888	01U122		ON	MON		A-8	
440889	01U125		ON	MON		A-5	
440890	01U126		ON	MON		A-6	
440891	01U127		ON	MON		A-6	
440892	01U128		ON	MON		E-3	
440893	01U133		ON	MON		A-6	
440894	01U134		OFF	MON			
440895	01U130		ON	MON		G-2	
440896	03U124		ON	MON		G-7	
447889	04U871	401U4	OFF	MON			U-21
447890	04U882	412U4	OFF	MON			Z-22
447891	04U881	411U4	OFF	MON			X-20
447892	04U883	413U4	OFF	MON			Z-23
447893	01U350		ON	MON		A-6	
447894	PJ#318	318U4	OFF	MON			X-22
447895	04U880	410U4	OFF	MON			V-19
447896	04U877	407U4	OFF	MON			T-22
447898	04U875	405U4	OFF	MON			U-20
447899	03L846	306L3	OFF	MON			S-22
447900	04U879	409U4	OFF	MON			R-21

Minnesota Unique #	IRDMIS #	Common Name	Well Location	Well Type	Second Unique #	Well Location On-post	Well Location Off-post
447988	04U872	402U4	OFF	MON			V-21
447998	01U135		ON	MON		A-4	
447999	01U136		ON	MON		A-3	
453821	03U317	SC-5	ON	REM		H-6	
453822	03U316	SC-4	ON	REM		H-6	
453823	03F308	B7	ON	REM		H-2	0-25
453824	03F312	B11	ON	REM		K-5	Q-26
453825	PJ#309	B8	ON	REM		J-3	P-25
453826	PJ#310	B9	ON	REM		I-3	P-25
453827	PJ#311	B10	ON	REM		H-2	P-25
453828	PJ#313	B12	ON	REM		H-2	0-25
453829	04J708		ON	MON		J-3	P-25
453830	04J713		ON	MON		H-2	0-25
453831	03M713		ON	MON		H-2	0-25
453832	04U714		ON	MON		G-2	0-25
453833	03U715	SM1	ON	MON		I-6	
453834	03U716	SM2	ON	MON		H-6	
471394	04U863	323U4	OFF	MON			
476837		MW15H	OFF	MON			
482083		K04-MW	ON	MON			
482084		K02-MW	ON	MON			
482085		K01-MW	ON	MON			
482086		I01-MW	ON	MON			
482087		I05-MW	ON	MON			
482088		I02-MW	ON	MON			
482089		I04-MW	ON	MON			
482090		I03-MW	ON	MON			
482707	04J882		OFF	MON			Z-21
482708	04J835		OFF	MON			Z-22
482709	04J834		OFF	MON			Y-22
500691	04U414	414U4/EZ SELF SERVICE	OFF	MON			T-24
500694	03L137		ON	MON			
505189	01U137		ON	MON		A-5	
505190	01U138		ON	MON		A-5	
505191	01U139		ON	MON		A-5	
505192	01U140		ON	MON		A-5	
505193	01U141		ON	MON		A-5	
505209	01U902		OFF	MON		A-5	
505210	01U901	H3U1	OFF	MON		A-4	
505618	03L138		ON	MON			
508115	04U322	322U4	OFF	MON			T-24
508117	04J702		ON	MON		I-3	P-25
508118	04J077		ON	MON			
508119	04U713		ON	MON		H-2	0-25
508120	04J714		ON	MON		G-2	0-25
508122	03U314	SC-2	ON	REM		I-6	P-27
512761		GROSS GOLF #2	OFF	IRR			AA-22

Minnesota Unique #	IRDMIS #	Common Name	Well Location	Well Type	Second Unique #	Well Location On-post	Well Location Off-post
519288		E101-MW	ON	MON			
519289		E102-MW	ON	MON			
519290		E103-MW	ON	MON			
519291		129-1501-MW	ON	MON			
519836	04U834		OFF	MON			Y-22
519956	03L833		OFF	MON		I-2	P-25
519957	04U833		OFF	MON		I-2	P-25
520931		NEW BRIGHTON #13	OFF	MUNI			T-24
524047	04U865	325U4	OFF	MON			T-24
524048	04J866	326J	OFF	MON			T-24
524049	04U866	326U4	OFF	MON			T-24
524050	04U864	324U4	OFF	MON			T-24
524051	04J864	324J	OFF	MON			T-24
538039	01U145		ON	PIEZ.			
538040	01U146		ON	PIEZ.			
538041	01U147		ON	PIEZ.			
538042	01U148		ON	PIEZ.			
538043	01U149		ON	PIEZ.			
538044	01U150		ON	PIEZ.			
538045	01U151		ON	PIEZ.			
538046	01U152		ON	PIEZ.			
538047	01U153		ON	PIEZ.			
538048	01U154		ON	PIEZ.			
538049	01U155		ON	PIEZ.			
538050	01U156		ON	PIEZ.			
538051	01U351		ON	REM			
538052	01U352		ON	REM			
538053	01U353		ON	REM			
538054	01U354		ON	REM			
538055	01U355		ON	REM			
538056	01U356		ON	REM			
538057	01U357		ON	REM			
538058	01U358		ON	REM			
538059	01U904		OFF	MON			
538060	01U903		OFF	MON			
538062	01U157		ON	MON			
538063	01U158		ON	MON			
	PJ#006		ON	MON			
	01U131						
	01U132						
	01U142						
	01U143						
	01U144						
	03U301	SC-1	ON	REM		K-5	P-26
	03L306		ON	MON			
	03U315	SC-3		REM		I-6	
	01U653			MON			

Minnesota Unique #	IRDMIS #	Common Name	Well Location	Well Type	Second Unique #	Well Location On-post	Well Location Off-post
	03U674	OW541U3	ON	MON		K-5	
	01U675						
	03U675						
	03U676		ON	MON		J-6	
	04U842			MON			
	03L843	303L3	OFF	MON			Q-24
		MW15D	OFF	MON			
		MW15S	OFF	MON			
		NEW BRIGHTON #11					
		OW543U3					
		Staff Gauge 1					
		Staff Gauge 2					
		Staff Gauge 3					

Appendix B.2

Sorted by IRDMIS Number

Minnesota Unique #	IRDMIS #	Common Name	Well Location	Well Type	Second Unique #	Well Location On-post	Well Location Off-post
234137	03L001	S1L3	ON	MON		G-2	0-25
234136	03M001	S1M3	ON	MON		G-2	0-25
234135	03U001	S1U3	ON	MON		G-2	0-25
234138	04U001	S1U4	ON	MON		G-2	0-25
234141	03L002	S2L3	ON	MON		I-4	P-25
234140	03M002	S2M3	ON	MON		I-4	P-25
234139	03U002	S2U3	ON	MON		I-4	P-25
234194	04U002	S2U4	ON	MON		I-4	P-25
236176	01U003	S3U1	ON	MON		K-5	Q-26
234144	03L003	S3L3	ON	MON		K-5	Q-26
234143	03M003	S3M3	ON	MON		K-5	Q-26
234142	03U003	S3U3	ON	MON		K-5	Q-26
234193	04U003	S3U4	ON	MON		K-5	Q-26
236468	PJ#003	S3PJ	ON	MON		K-5	Q-26
234198	01U004	S4U1	ON	MON		K-7	
234147	03L004	S4L3	ON	MON		K-7	
234146	03M004	S4M3	ON	MON		K-7	
234145	03U004	S4U3	ON	MON		K-7	
236079	03L005	S5L3	ON	MON		K-9	
440885	03M005	ST-5-M3	ON	MON		K-9	
234148	03U005	S5U3	ON	MON		K-9	
234149	03U006	S6U3	ON	MON		K-11	
	PJ#006		ON	MON			
234152	03L007	S7L3	ON	MON		J-12	
234151	03M007	S7M3	ON	MON		J-12	
234150	03U007	S7U3	ON	MON		J-12	
234195	04U007	S7U4	ON	MON		J-12	
234153	03U008	S8U3	ON	MON		F-12	
234154	03U009	S9U3	ON	MON		B-12	
234157	03L010	S10L3	ON	MON		A-10	
234156	03M010	S10M3	ON	MON		A-10	
234155	03U010	S10U3	ON	MON		A-10	
234199	01U011	S11U1	ON	MON		A-7	
234158	03U011	S11U3	ON	MON		A-7	
234200	01U012	S12U1	ON	MON		B-3	
234161	03L012	S12L3	ON	MON		B-3	
234160	03M012	S12M3	ON	MON		B-3	
234159	03U012	S12U3	ON	MON		B-3	
234196	04U012	S12U4	ON	MON		B-3	
234164	03L013	S13L3	ON	MON		E-2	
234163	03M013	S13M3	ON	MON		E-2	
234162	03U013	S13U3	ON	MON		E-2	
235748	03L014	S14L3	ON	MON		I-7	P-27
234165	03U014	S14U3	ON	MON		I-7	P-27
234166	03U015	S15U3	ON	MON		F-5	
234167	03U016	S16U3	ON	MON		F-9	0-27
234170	03L017	S17L3	ON	MON		H-5	

Minnesota Unique #	IRDMIS #	Common Name	Well Location	Well Type	Second Unique #	Well Location On-post	Well Location Off-post
234169	03M017	S17M3	ON	MON		H-5	
234168	03U017	S17U3	ON	MON		H-5	
235749	03L018	S18L3	ON	MON		H-6	
234171	03U018	S18U3	ON	MON		H-6	
234172	03U019	S19U3	ON	MON		H-8	
234175	03L020	S20L3	ON	MON		I-6	P-26
234174	03M020	S20M3	ON	MON		I-6	P-26
234173	03U020	S20U3	ON	MON		I-6	P-26
234197	04U020	S20U4	ON	MON		I-6	P-26
235750	03L021	S21L3	ON	MON		J-4	P-26
234176	03U021	S21U3	ON	MON		J-4	P-26
234201	01U022	S22U1	ON	MON		B-6	
236178	03U022	S22U3		MON		B-6	
236179	03U023	S23U3		MON		B-5	
236180	03U024	S24U3		MON		C-5	
236181	03U025	S25U3		MON		D-4	
236182	03U026	S26U3	ON	MON		H-7	
235751	03L027	S27L3	ON	MON		J-6	
236183	03U027	S27U3		MON		J-6	
242138	04U027	S27U4		MON		J-6	
236469	PJ#027	S27PJ	ON	MON		J-6	
235752	03L028	S28L3		MON		J-6	
236184	03U028	S28U3		MON		J-6	
235753	03L029	S29L3		MON	236066	K-5	P-26
236185	03U029	S29U3		MON		K-5	P-26
236186	03U030	S30U3		MON		J-6	P-26
236187	03U031	S31U3		MON		F-4	
236188	03U032	S32U3		MON		G-7	
234202	01U033	S33U1	ON	MON		A-10	
234204	01U034	S34U1	ON	MON		A-8	
234205	01U035	S35U1	ON	TEST		A-7	
234206	01U036	S36U1	ON	MON		A-7	
234207	01U037	S37U1		MON			
234208	01U038	S38U1		MON		A-6	
234209	01U039	S39U1	ON	MON		A-4	
234210	01U040	S40U1	ON	MON		B-4	
234211	01U041	S41U1	ON	MON		B-5	
236177	01U043	S43AU1		MON		C-5	
234212	01U044	S44U1	ON	MON		C-4	
234215	01U045	S45U1	ON	MON		D-4	
234216	01U046	S46U1	ON	MON		D-4	
234217	01U047	S47U1	ON	MON		E-2	
234218	01U048	S48U1		MON		E-2	
234221	01U050	S50AU1		MON		H-2	
234222	01U051	S51U1	ON	MON		H-2	
234223	01U052	S52U1	ON	MON		E-3	
234225	01U053	S53AU1	ON	MON		K-4	

Minnesota Unique #	IRDMIS #	Common Name	Well Location	Well Type	Second Unique #	Well Location On-post	Well Location Off-post
234227	01U054	S54AU1		MON		K-5	
234235	01U060	S60U1	ON	MON		J-10	
234237	01U062	S62U1	ON	MON		J-3	
234239	01U063	S63U1	ON	MON		B-4	
234240	01U064	S64U1	ON	MON		J-6	
234241	01U065	S65U1	ON	MON		F-2	
234243	01U067	S67U1	ON	MON		B-6	
234250	01U072	S72AU1	ON	MON		E-9	
235565	PJ#074	S74PJ		MON		I-6	
236078	03U075	S75U3	ON	MON		F-2	
236077	03U076	S76U3	ON	MON		G-2	
236076	03L077	S77L3	ON	MON		I-3	P-25
236075	03U077	S77U3	ON	MON		I-3	P-25
508118	04J077		ON	MON			
426877	04U077	ST77U4	ON	MON		I-3	P-25
236074	03L078	S78L3	ON	MON		J-4	P-26
236073	03U078	S78U3	ON	MON		J-4	P-26
242160	03L079	S79L3	ON	MON		K-5	Q-26
236072	03U079	S79U3	ON	MON		K-5	Q-26
236071	03L080	S80L3	ON	MON		J-6	
236070	03L081	S81L3	ON	MON		I-8	
236476	03U082	S82U3	ON	MON		B-7	
236478	03U083	S83U3	ON	MON		E-4	
440887	03L084	ST84L3	ON	MON		H-3	0-25
236069	03U084	S84U3	ON	MON		H-3	0-25
236479	01U085	S85U1	ON	MON		D-4	
236068	03L086	S86L3	ON	MON		J-9	
236480	03U087	S87U3	ON	MON		F-6	
236482	03U088	S88U3	ON	MON		F-6	
236483	03U089	S89U3	ON	MON		F-6	
236485	03U090	S90U3	ON	MON		H-7	
236067	03L091	S91L3	ON	MON		G-7	
236487	03U092	S92U3	ON	MON		H-6	
236489	03U093	S93U3	ON	MON		H-6	
236066	03U094	S94U3	ON	MON		I-7	P-27
236491	03U096	S96U3	ON	MON		G-6	
236493	03U097	S97U3	ON	MON		E-9	
236494	01U098	S98U1	ON	MON		J-10	
236495	03U099	S99U3	ON	MON		K-10	
236497	01U100	S100U1	ON	MON		B-9	
236498	01U101	S101U1	ON	MON		B-8	
236499	01U102	S102U1	ON	MON		A-5	
236500	01U103	S103U1	ON	MON		A-6	
236501	01U104	S104U1	ON	MON		A-6	
236502	01U105	S105U1	ON	MON		A-6	
236503	01U106	S106U1	ON	MON		A-6	
236504	01U107	S170U1	ON	MON		B-6	

Minnesota Unique #	IRDMIS #	Common Name	Well Location	Well Type	Second Unique #	Well Location On-post	Well Location Off-post
236505	01U108	S108U1	ON	MON		A-6	
236506	01U109	S109U1	ON	MON		B-6	
236507	01U110	S11OU1	ON	MON		B-6	
236508	03U111	S111U3	ON	MON		E-9	
236510	03U112	S112U3	ON	MON		H-7	0-27
236080	03L113	WF1L3	ON	MON		G-8	0-27
242124	03U113	WF1U3	ON	MON		G-8	0-27
242125	03U114	WF2U3	ON	MON		H-7	0-27
427411	01U115		ON	MON		A-5	
427412	01U116		ON	MON		A-5	
427413	01U117		ON	MON		A-5	
427414	01U118		ON	MON		B-5	
427415	01U119		ON	MON		A-6	
427410	01U120		ON	MON		A-6	
440884	03U121		ON	MON		H-7	
440888	01U122		ON	MON		A-8	
440896	03U124		ON	MON		G-7	
440889	01U125		ON	MON		A-5	
440890	01U126		ON	MON		A-6	
440891	01U127		ON	MON		A-6	
440892	01U128		ON	MON		E-3	
440886	03U129		ON	MON		D-9	
440895	01U130		ON	MON		G-2	
	01U131						
	01U132						
440893	01U133		ON	MON		A-6	
440894	01U134		OFF	MON			
447998	01U135		ON	MON		A-4	
447999	01U136		ON	MON		A-3	
505189	01U137		ON	MON		A-5	
500694	03L137		ON	MON			
505190	01U138		ON	MON		A-5	
505618	03L138		ON	MON			
505191	01U139		ON	MON		A-5	
505192	01U140		ON	MON		A-5	
505193	01U141		ON	MON		A-5	
	01U142						
	01U143						
	01U144						
538039	01U145		ON	PIEZ.			
538040	01U146		ON	PIEZ.			
538041	01U147		ON	PIEZ.			
538042	01U148		ON	PIEZ.			
538043	01U149		ON	PIEZ.			
538044	01U150		ON	PIEZ.			
538045	01U151		ON	PIEZ.			
538046	01U152		ON	PIEZ.			

Minnesota Unique #	IRDMIS #	Common Name	Well Location	Well Type	Second Unique #	Well Location On-post	Well Location Off-post
538047	01U153		ON	PIEZ.			
538048	01U154		ON	PIEZ.			
538049	01U155		ON	PIEZ.			
538050	01U156		ON	PIEZ.			
538062	01U157		ON	MON			
538063	01U158		ON	MON			
	03U301	SC-1	ON	REM		K-5	P-26
426842	03F302	B1	ON	REM		K-5	Q-26
426843	03F303	B2	ON	REM		K-4	P-26
426844	03F304	B3	ON	REM		J-4	P-25
426845	03F305	B4	ON	REM		J-3	P-25
426846	03F306	B5	ON	REM		I-3	P-25
	03L306		ON	MON			
426847	03F307	B6	ON	REM		I-3	P-25
453823	03F308	B7	ON	REM		H-2	0-25
453825	PJ#309	B8	ON	REM		J-3	P-25
453826	PJ#310	B9	ON	REM		I-3	P-25
453827	PJ#311	B10	ON	REM		H-2	P-25
453824	03F312	B11	ON	REM		K-5	Q-26
453828	PJ#313	B12	ON	REM		H-2	0-25
508122	03U314	SC-2	ON	REM		I-6	P-27
	03U315	SC-3		REM		I-6	
453822	03U316	SC-4	ON	REM		H-6	
453821	03U317	SC-5	ON	REM		H-6	
447894	PJ#318	318U4	OFF	MON			X-22
508115	04U322	322U4	OFF	MON			T-24
447893	01U350		ON	MON		A-6	
538051	01U351		ON	REM			
538052	01U352		ON	REM			
538053	01U353		ON	REM			
538054	01U354		ON	REM			
538055	01U355		ON	REM			
538056	01U356		ON	REM			
538057	01U357		ON	REM			
538058	01U358		ON	REM			
500691	04U414	414U4/EZ SELF SERVICE	OFF	MON			T-24
206754	PJ#501	TWIN CITIES ARSENAL	ON	P.S.		F-4	
206756	PJ#502	TWIN CITIES ARSENAL NO. 2	ON	IND		G-4	
206758	PJ#503	TWIN CITIES ARSENAL NO. 3	ON	IND		H-4	
206724	PJ#504	TWIN CITIES ARSENAL	OFF	ABAND		E-2	
231857	03M505			ABAND		K-12	
206753	PJ#506	TWIN CITIES ARSENAL NO. 6	ON	ABAND		H-5	
206755	PJ#507	TWIN CITIES ARSENAL NO. 7	ON	ABAND		H-5	
206759	PJ#508	TWIN CITIES ARSENAL NO. 8	ON	ABAND		I-6	
206760	03M509		ON	MON		J-6	
206760	PJ#509	TWIN CITIES ARSENAL NO.9	ON	DOM		J-6	
231742	04U510	GRENADE PLANT PROOF RANGES	ON	IND		C-12	

Minnesota Unique #	IRDMIS #	Common Name	Well Location	Well Type	Second Unique #	Well Location On-post	Well Location Off-post
114410	03U521		OFF	MON		F-7	
231854	03L522	ARSENAL GRAVEL PIT	ON	ABAND 8/92		D-8	
206725	03L523	ARSENAL GRAVEL PIT	ON	ABAND 8/92		D-8	
236194	01U524	FA4U1	ON	PIEZ.		I-3	
236196	01U525	FW5U1	ON	PIEZ.		J-4	
236197	01U526	FV12U1	ON	PIEZ.		I-4	
236195	01U527	FV8U1	ON	PIEZ.		I-3	
236189	01U601	OW101U1	ON	MON		F-3	
236190	01U602	OW102U1	ON	MON		F-3	
236191	01U603	OW103U1	ON	MON		E-3	
236192	01U604	OW104U1	ON	MON		E-3	
236193	01U605	OW10571	ON	MON		E-3	
242127	01U607	OW107U1	ON	MON		E-3	
242128	01U608	OW108U1	ON	MON		F-3	
242129	01U609	OW109U1	ON	MON		F-3	
242130	01U610	OW110U1	ON	MON			
242131	01U611	OW111U1	ON	MON		E-3	
194725	01U612	OW112U1	ON	MON	194758	E-3	
194726	01U613		ON	MON	194759	E-3	
194727	01U615	OW115U1	ON	MON	194760	F-3	
194728	01U616	OW116U1	ON	MON	194761	F-3	
194729	01U617	OW117U1	ON	MON	194770	F-3	
194730	01U618	OW118U1	ON	MON	194771	F-3	
194772	01U619	PW119U1	ON	MON		F-3	
194701	01U620	OW120U1	ON	MON		F-3	
194702	01U621	PW121U1	ON	MON		F-3	
194703	01U622	OW122U1	ON	MON		F-3	
194704	01U623	OW123U1	ON	MON		F-3	
242182	01U624A	BP185A	ON	PIEZ		F-3	
242183	01U624B	BP185B	ON	PIEZ		F-3	
242184	01U624C	BP185C	ON	PIEZ		F-3	
242185	01U624D	BP185D	ON	PIEZ		F-3	
242186	01U625A	BP285A	ON	PIEZ		F-3	
242187	01U625B	BP285B	ON	PIEZ		F-3	
242188	01U625C	BP285C	ON	PIEZ		F-3	
242189	01U625D	BP285D	ON	PIEZ		F-3	
242190	01U626A	BP385A	ON	PIEZ		F-3	
242191	01U626B	BP385B	ON	PIEZ		F-3	
242192	01U626C	BP385C	ON	PIEZ		F-3	
242193	01U626D	BP385D	ON	PIEZ		F-3	
242194	01U627A	BP485A	ON	PIEZ		F-3	
242195	01U627B	BP485B	ON	PIEZ		F-3	
242196	01U627C	BP485C	ON	PIEZ		F-3	
242197	01U627D	BP485D	ON	PIEZ		F-3	
242198	01U628A	BP585A	ON	PIEZ		F-3	
242199	01U628B	BP585B	ON	PIEZ		F-3	
242200	01U628C	BP585C	ON	PIEZ		F-3	

Minnesota Unique #	IRDMIS #	Common Name	Well Location	Well Type	Second Unique #	Well Location On-post	Well Location Off-post
242201	01U628D	BP585D	ON	PIEZ		F-3	
194720	01U631	OW501U1	ON	MON			
194721	01U632	OW502U1		MON			
194716	01U634	OW504U1	ON	MON		J-5	
194722	01U635	OW505U1	ON	MON			
194723	01U636	OW506U1	ON	MON.		K-5	
194717	01U638	OW508U1		MON			
194718	01U639	OW509U1	ON	MON		K-6	
194719	01U640	OW510U1	ON	MON		K-6	
194724	01U642	OW512U1	ON	MON		K-7	
242132	03U647		ON	MON		J-6	
242133	03U648		ON	MON		J-6	P-26
242134	01U652	OW522U1	ON	MON		J-6	
	01U653			MON			
421426	03U658		ON	MON		K-7	
421425	03U659		ON	MON		J-6	P-26
242135	01U666	OW536U1	ON	MON		K-5	
242136	01U667	OW537U1	ON	MON		J-6	
242137	01U668	OW538U1	ON	MON		J-6	
421438	03U671	PO-1	ON	MON		J-4	P-26
421440	03U672	PD2U3	OFF	MON		K-6	Q-26
426815	03L673	PD3L3	OFF	TEST		L-3	Q-25
421441	03U673	PD3U3	OFF	MON		L-3	Q-25
426867	04U673	PD3U4	OFF	TEST		L-3	Q-25
	03U674	OW541U3	ON	MON		K-5	
	01U675						
	03U675						
	03U676		ON	MON		J-6	
426848	03U701	701U3	ON	MON		I-3	P-25
426849	04U701	701U4	ON	MON		I-3	P-25
426850	03U702	702U3	ON	MON		I-3	P-25
508117	04J702		ON	MON		I-3	P-25
426876	04U702	702U4	ON	MON		I-3	P-25
426878	03U703	703U3		MON		K-4	P-26
426883	03U704	704U3	ON	MON		E-7	
426884	03U705	705U3	ON	MON		E-7	
426885	03U706	706U3	ON	MON		E-6	
426886	03U707	707U3	ON	MON		C-7	
426879	03U708	708U3	ON	MON		J-4	P-25
453829	04J708		ON	MON		J-3	P-25
426880	04U708	708U4	ON	MON		J-4	P-25
426881	03U709	709U3	ON	MON		J-3	P-25
426882	04U709	709U4	ON	MON		J-3	P-25
434032	03U710	71OU3	ON	MON		K-5	Q-26
434033	03U711	711U3	OFF	MON		J-3	P-25
434031	04U711	711U4	OFF	MON		J-3	P-25
453831	03M713		ON	MON		H-2	0-25

Minnesota Unique #	IRDMIS #	Common Name	Well Location	Well Type	Second Unique #	Well Location On-post	Well Location Off-post
453830	04J713		ON	MON		H-2	0-25
508119	04U713		ON	MON		H-2	0-25
508120	04J714		ON	MON		G-2	0-25
453832	04U714		ON	MON		G-2	0-25
453833	03U715	SM1	ON	MON		I-6	
453834	03U716	SM2	ON	MON		H-6	
236449	03U801	T1U3	OFF	MON		K-4	Q-26
426817	03L802	T2L3	OFF	TEST		K-4	Q-26
426818	03M802	T2M3	OFF	TEST		K-4	Q-26
236450	04U802	T2U4	OFF	MON		K-4	Q-26
236437	PJ#802	T2PJ	OFF	MON	421437	K-4	Q-26
236452	01U803	T3U1	OFF	TEST	424053	K-3	Q-25
236453	03U803	T3U3	OFF	MON	421434	K-3	Q-25
236455	03U804	T4U3	OFF	MON	421433	J-4	P-25
236457	01U805	T5U1	OFF	MON	424060	J-3	P-25
236458	03U805	T5U3	OFF	MON	421432	J-3	P-25
236460	01U806	T6U1	OFF	MON	424058	I-3	P-25
236463	03L806	T6L3	OFF	MON	421429	I-3	P-25
236462	03M806	T6M3	OFF	MON	421430	I-3	P-25
236461	03U806	T6U3	OFF	MON	421431	I-3	P-25
236464	04U806	T6U4	OFF	MON	421428	I-3	P-25
236465	PJ#806	T6PJ	OFF	MON	421427	I-3	P-25
236471	01U807	T7U1	OFF	TEST	424059		
424057	01U808	T8U1	ON	MON		J-2	
426868	03L809	T9L3	OFF	MON			P-25
424055	01L811	H1L1	OFF	TEST			P-24
426809	03L811	H1L3	OFF	TEST			P-24
426808	03U811	H1U3	OFF	TEST			P-24
424062	01L813	H3L1	OFF	TEST			P-23
242153	01U813	H3U1	OFF	MON			P-23
426816	03L813	H3L3	OFF	TEST			P-23
426862	03U815	H5U3	OFF	TEST			P-23
424056	01L816	H6L1	OFF	ABAND			P-24
424054	01L821	NW1L1	OFF	TEST			Q-24
426810	03U821	NW1U3	OFF	TEST			Q-24
426811	04U821	NW1U4	OFF	TEST			Q-24
424052	01L822	NW2L1	OFF	TEST			Q-24
426813	03L822	NW2L3	OFF	TEST			Q-24
426812	03U822	NW2U3	OFF	TEST			Q-24
424061	01L823	NW3L1	OFF	TEST			S-24
426814	03U824	NW4U3	OFF	TEST			R-24
426863	03U831	OM1U3	OFF	TEST			R-24
426865	03L832	OM2L3	OFF	TEST			R-24
426864	03U832	OM2U3	OFF	TEST			R-24
426866	04U832	OM2U4	OFF	TEST			R-24
519956	03L833		OFF	MON		I-2	P-25
519957	04U833		OFF	MON		I-2	P-25

Minnesota Unique #	IRDMIS #	Common Name	Well Location	Well Type	Second Unique #	Well Location On-post	Well Location Off-post
482709	04J834		OFF	MON			Y-22
519836	04U834		OFF	MON			Y-22
482708	04J835		OFF	MON			Z-22
434037	03L841	301L3	OFF	MON			Q-25
426851	04U841	301U4	OFF	TEST			Q-25
	04U842			MON			
	03L843	303L3	OFF	MON			Q-24
426852	03M843	303M3	OFF	TEST			Q-24
426853	04U843	303U4	OFF	TEST			Q-24
426854	04U844	304U4	OFF	TEST			R-24
426855	04U845	305U4	OFF	MON			R-25
447899	03L846	306L3	OFF	MON			S-22
426856	04U846	306U4	OFF	MON			S-22
426857	04U847	307U4	OFF	MON			P-24
416199	03L848	308L3	OFF	MON			Q-25
416051	03M848	308M3	OFF	MON			Q-25
416078	04U848	308U4	OFF	TEST			Q-25
416082	04U849	309U4	OFF	MON			R-23
416200	04U850	310U4	OFF	MON			S-22
406198	04U851	311U4	OFF	MON			U-23
416080	04U852	312U4	OFF	MON			V-23
426858	03L853	313L3	OFF	MON			Q-24
426859	03L854	314L3	OFF	MON			R-25
439701	04U854	314U4	OFF	MON			R-25
426860	04U855	315U4	OFF	MON			Q-22
426861	03L856	316L3	OFF	MON			P-23
416081	03L858	318L3	OFF	MON			X-22
434040	03L859	319L3	OFF	MON			Q-25
434036	04U859	319U4	OFF	MON			Q-25
434038	03L860	320L3	OFF	MON			R-25
434035	04U860	320U4	OFF	MON			R-25
434039	03L861	321L3	OFF	MON			R-24
434034	04U861	321U4	OFF	MON			R-24
471394	04U863	323U4	OFF	MON			
524051	04J864	324J	OFF	MON			T-24
524050	04U864	324U4	OFF	MON			T-24
524047	04U865	325U4	OFF	MON			T-24
524048	04J866	326J	OFF	MON			T-24
524049	04U866	326U4	OFF	MON			T-24
447889	04U871	401U4	OFF	MON			U-21
447988	04U872	402U4	OFF	MON			V-21
447898	04U875	405U4	OFF	MON			U-20
447896	04U877	407U4	OFF	MON			T-22
447900	04U879	409U4	OFF	MON			R-21
447895	04U880	410U4	OFF	MON			V-19
447891	04U881	411U4	OFF	MON			X-20
482707	04J882		OFF	MON			Z-21

Minnesota Unique #	IRDMIS #	Common Name	Well Location	Well Type	Second Unique #	Well Location On-post	Well Location Off-post
447890	04U882	412U4	OFF	MON			Z-22
447892	04U883	413U4	OFF	MON			Z-23
505210	01U901	H3U1	OFF	MON		A-4	
505209	01U902		OFF	MON		A-5	
538060	01U903		OFF	MON			
538059	01U904		OFF	MON			
107405		ROEBKE	OFF	UN			
110485		NEW BRIGHTON #12					
122210		ST. PAUL PORT AUTH. #3	OFF	IND			
127537		MIDWEST ASPHALT	OFF	DOM			
134318		LORENZ W SEUTTER	OFF	DOM			
139035		WATERGATE MARINA	OFF	P.S.			
151568		ARDEN MANOR MOBILE HOME	OFF	P.S.			
161432		NEW BRIGHTON #10					
191942		118PDC/MODEL STONE	OFF	MON			R-24
200070		RUAN TRANSPORT	OFF	COM			
200071		PRESTRESSED CONCRETE	OFF	IND			
200072		WITTE TRANSPORTATION	OFF	IND			
200073		WILSON TRANSFER & STORAGE	OFF	IND			
200074		ASBESTOS PROD	OFF	IND			
200075		PHILLIPS PETROLEUM	OFF	IND			
200076		OLD DUTCH FOODS INC	OFF	IND			Z-23
200077		JOHN CONLIN	OFF	DOM			
200078		WILLIAM CLASS	OFF	DOM			
200079		LAWRENCE SCHOENING	OFF	DOM			
200080		CARL A OSTROM & SON	OFF	DOM			
200081		A. O. LIEBIG	OFF	DOM			
200082		2196 MARION ROAD	OFF	DOM			
200148		PAPER CALMERSON	OFF	IND			BB-23
200154		U OF M GOLF COURSE	OFF	IRR			CC-25
200167		KOPPERS COKE #1	OFF	IND			
200171		PLATING INC	OFF	IND			
200197		SNOW FLAKE DAIRY	OFF	COM			
200264		1620 CENTRAL	OFF	IND			
200384		METALLURGICAL INC. WELL #1	OFF	IND			
200524		ST. ANTHONY #5	OFF	MUNI			V-21
200525		PLETSCHER	OFF	UN			
200531		NAZARETH	OFF	UN			
200599		CEDAR AVE. TRIANGLE	OFF	P.S.			
200602		ATKINSON MILL CO.	OFF	IND			
200629		GENERAL MILLS	OFF	IND			
200803		ST. ANTHONY #4	OFF	P.S.			X-22
200804		ST. ANTHONY #3	OFF	MUNI			X-22
200812		GROSS GOLF COURSE #1	OFF	COM			AA-22
200814		AMERICAN LINEN	OFF	IND			CC-22
201074		GLEASSON MORTUARY	OFF	COM			
201082		NORTHWESTERN HOSPITAL	OFF	P.S.			

Minnesota Unique #	IRDMIS #	Common Name	Well Location	Well Type	Second Unique #	Well Location On-post	Well Location Off-post
206669		FRIDLEY #8	OFF	MUNI			
206672		FRIDLEY #9	OFF	MUNI			
206673		FRIDLEY #6	OFF	MUNI			
206688		CLOVERPOND WELL	OFF	DOM			T-20
206689		JAMES K. O'NEIL	OFF	UN			
206693		FERNELIUS	OFF	UN			
206702		MINN E.S.	OFF	UN			
206720		MOUNDSVIEW	OFF	MUNI			
206722		M0UNDSVIEW #5	OFF	MUNI			
206750		SHORE #4	OFF	MUNI			
206787		MOUNDSVIEW H.S.	OFF	P.S.			S-25
206791		NEW BRIGHTON #7	OFF	MUNI			U-23
206792		NEW BRIGHTON #4					
206793		NEW BRIGHTON #3	OFF	MUNI			S-21
206794		NEW BRIGHTON #9					
206795		NEW BRIGHTON #8					
206796		NEW BRIGHTON #5	OFF	MUNI			
206797		NEW BRIGHTON #6	OFF	MUNI			T-21
223844		KURTH MALTING CO EAST WL	OFF	IND			
223992		BOOM ISLAND	OFF	IND			
225886		FRANKLIN STEEL SQUARE	OFF	P.S.			
225905		ST PAUL TERM. WAREHOUSE	OFF	IND			
225906		ST PAUL TERM. WAREHOUSE	OFF	IND			
231741		LABELLE	OFF	UN			
231845		MNDOT CIVIL DEFENSE TRAIN.	ON/OFF	P.S.		A-4	
231878		MENGELKOCH #2	OFF	UN			R-25
232067		NBR 135	OFF	UN			
232069		UHIL	OFF	UN			
233221		REUBEN MEAT	OFF	DOM			CC-20
233222		LOWRY GROVE TRAILER	OFF	ABAND			Z-21
233241		KOZAH'S MARKET	OFF	UN			
233520		MCGILLIS	OFF	UN			
233533		ROSELAWN CEMETARY	OFF	IRR			
233763		P. L. MORGAN	OFF	DOM			
233806		2581 NORTH CLEVELAND	OFF	DOM			
234301		DEWITT	OFF	UN			
234305		GLENN BEGGIN	OFF	UN			
234319		HIDE & TALLOW #1	OFF	UN			P-25
234327		BRESKE	OFF	UN			
234335		MENGELKOCH #1	OFF	UN			R-25
234337		MENGELKOCH #3	OFF	UN			R-25
234350		GORDON	OFF	UN			
234351		YEMPA	OFF	UN			
234352		1206 12TH AV NW	OFF	UN			R-23
234353		LENTSCH'S ICE WK.	OFF	UN			P-25
234355		KINGDOM HALL	OFF	UN			
234356		NORDQUIST P43	OFF	UN			Q-25

Minnesota Unique #	IRDMIS #	Common Name	Well Location	Well Type	Second Unique #	Well Location On-post	Well Location Off-post
234357		PHILLIPS PET P46	OFF	UN			P-25
234386		ZELL OLS.	OFF	UN			
234391		SHERER L.	OFF	UN			
234396		DEWITT	OFF	UN			
234406		KLAPP	OFF	UN			
234409		HIDE & TALLOW	OFF	UN			
234425		KEN GEREBI	OFF	UN			P-25
234430		CMIEL	OFF	UN			Q-26
234431		HARSTAD	OFF	UN			
234463		KEN SOLIE	OFF	UN			V-21
234546		HONEYWELL RIDGEWAY	OFF	UN			BB-21
234547		HONEYWELL RIDGEWAY	OFF	UN			BB-21
235539		OLD HOTEL	OFF	UN			Q-24
235557		HIDDEN FALLS PARK W.WELL	OFF	P.S.			
235619		SHRINERS HOSPITAL	OFF	P.S.			
235735		FLOUR CITY ARCHITECTURAL	OFF	COM			
236122		NWR	OFF	ABAND			Q-24
242162		301PB	OFF	UN			
242207		SUNSET MEMORIAL CEMETARY	OFF	UN			
249152		BOYLE	OFF	DOM			
265735		FLOUR CITY ARCH	OFF	UN			
322664		ABBOTT NW HOSP	OFF	UN			
405651		METAL-MATIC INC.	OFF	IND			
409546		PCA2L3	OFF	TEST			S-24
409547		PCA1U4	OFF	TEST			R-24
409548		PCA2U4	OFF	TEST			S-24
409549		PCA3U4	OFF	TEST			R-22
409550		PCA6U3	OFF	TEST			P-25
409555		PCA5U4	OFF	TEST			V-22
409556		PCA4L3	OFF	TEST			S-22
409557		PCA1L3	OFF	TEST			R-24
409595		B109U3	OFF	ABAND			R-24
409596		B118U3	OFF	MON			R-24
409597		B118L3	OFF	IND			R-24
409598		B117U3	OFF	ABAND			R-24
416143			OFF	ABAND			
416198		311U4	OFF	MON			
420713		HERBST LANDFILL	OFF	MON			
476837		MW15H	OFF	MON			
482083		K04-MW	ON	MON			
482084		K02-MW	ON	MON			
482085		K01-MW	ON	MON			
482086		I01-MW	ON	MON			
482087		I05-MW	ON	MON			
482088		I02-MW	ON	MON			
482089		I04-MW	ON	MON			
482090		I03-MW	ON	MON			

Minnesota Unique #	IRDMIS #	Common Name	Well Location	Well Type	Second Unique #	Well Location On-post	Well Location Off-post
512761		GROSS GOLF #2	OFF	IRR			AA-22
519288		E101-MW	ON	MON			
519289		E102-MW	ON	MON			
519290		E103-MW	ON	MON			
519291		129-1501-MW	ON	MON			
520931		NEW BRIGHTON #13	OFF	MUNI			T-24
		MW15D	OFF	MON			
		MW15S	OFF	MON			
		NEW BRIGHTON #11					
		OW543U3					
		Staff Gauge 1					
		Staff Gauge 2					
		Staff Gauge 3					

APPENDIX C

Appendix C

FY 95 QA/QC Data

Appendix C.1

Organics QA/QC Data

APPENDIX C.1
Organics QA/QC Data

Well	QC Type	Lab	IRDMIS Lot #	Lab #	Sample Date	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLFTE	CH2CL2	C6H6	MEC6H5	TXYLEN
20300	F	IP	DNA 015	4343-06	09-Nov-94 Data		<1.04	<1.01					<1.16		<0.97						<1.41			
20300	F	IP	DNA 015	4343-06	09-Nov-94 Spike		0	0					0		0						0			
20300	F	IP	DPJ 004	4819-11	01-Feb-95 Data		<1.04	<1.01					<1.16		<0.97						<1.41			
20300	F	IP	DPJ 004	4819-11	01-Feb-95 Spike		0	0					0		0						0			
	F	IP	DRJ 006	4979-15	03-Mar-95 Data	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
	F	IP	DRJ 006	4979-15	03-Mar-95 Spike	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0			
01U108	F	IP	DRK 004	4986-13	06-Mar-95 Data	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
01U108	F	IP	DRK 004	4986-13	06-Mar-95 Spike	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0			
01U108	F	IP	DRN 002	4986-13	06-Mar-95 Data																	<0.25	<0.25	<0.25
01U108	F	IP	DRN 002	4986-13	06-Mar-95 Spike																	0	0	0
01U140	F	IP	DRL 004	4990-13	07-Mar-95 Data	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
01U140	F	IP	DRL 004	4990-13	07-Mar-95 Spike	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0			
01U140	F	IP	DRN 003	4990-13	07-Mar-95 Data																	<0.25	<0.25	<0.25
01U140	F	IP	DRN 003	4990-13	07-Mar-95 Spike																	0	0	0
01U085	F	IP	DRM 004	4998-10	08-Mar-95 Data	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
01U085	F	IP	DRM 004	4998-10	08-Mar-95 Spike	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0			
01U085	F	IP	DRN 004	4998-10	08-Mar-95 Data																	<0.25	<0.25	<0.25
01U085	F	IP	DRN 004	4998-10	08-Mar-95 Spike																	0	0	0
03U015	F	IP	DRO 005	5015-07	09-Mar-95 Data	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
03U015	F	IP	DRO 005	5015-07	09-Mar-95 Spike	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0			
01U526	F	IP	DRN 005	5027-05	10-Mar-95 Data																	<0.25	<0.25	<0.25
01U526	F	IP	DRN 005	5027-05	10-Mar-95 Spike																	0	0	0
01U526	F	IP	DRO 006	5027-05	10-Mar-95 Data	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
01U526	F	IP	DRO 006	5027-05	10-Mar-95 Spike	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0			
03U113	F	IP	DRP 004	5036-09	13-Mar-95 Data	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	1.92			
03U113	F	IP	DRP 004	5036-09	13-Mar-95 Spike	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0			
03M020	F	PC	IZO 014	58955	13-Mar-95 Data	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
03M020	F	PC	IZO 014	58955	13-Mar-95 Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0			
03U708	F	PC	IZQ 023	59315	14-Mar-95 Data	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
03U708	F	PC	IZQ 023	59315	14-Mar-95 Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0			
03U821	F	IP	DRT 004	5054-10	15-Mar-95 Data	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
03U821	F	IP	DRT 004	5054-10	15-Mar-95 Spike	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0			
04J077	F	PC	IZS 006	63061	15-Mar-95 Data	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
04J077	F	PC	IZS 006	63061	15-Mar-95 Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0			
03L858	F	IP	DRU 004	5072-09	16-Mar-95 Data	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
03L858	F	IP	DRU 004	5072-09	16-Mar-95 Spike	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0			
04U002	F	PC	IZT 018	63371	16-Mar-95 Data	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
04U002	F	PC	IZT 018	63371	16-Mar-95 Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0			
03U096	F	PC	IZU 013	63568	17-Mar-95 Data	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
03U096	F	PC	IZU 013	63568	17-Mar-95 Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0			

APPENDIX C.1
Organics QA/QC Data

Well	QC Type	Lab	IRDMIS Lot #	Lab #	Sample Date	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLFTE	CH2CL2	C6H6	MEC6H5	TXYLEN
04U871	F	IP	DRW 004	5087-08	20-Mar-95 Data	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
04U871	F	IP	DRW 004	5087-08	20-Mar-95 Spike	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0			
234546	F	IP	DRX 004	5093-14	21-Mar-95 Data	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
234546	F	IP	DRX 004	5093-14	21-Mar-95 Spike	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0			
03L081	F	IP	DSA 004	5107-07	22-Mar-95 Data	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
03L081	F	IP	DSA 004	5107-07	22-Mar-95 Spike	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0			
04U878	F	IP	DSB 004	5115-11	23-Mar-95 Data	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
04U878	F	IP	DSB 004	5115-11	23-Mar-95 Spike	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0			
04U881	F	IP	DSC 006	5123-06	24-Mar-95 Data	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
04U881	F	IP	DSC 006	5123-06	24-Mar-95 Spike	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0			
04U872	F	IP	DSC 005	5121-07	25-Mar-95 Data	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
04U872	F	IP	DSC 005	5121-07	25-Mar-95 Spike	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0			
PJ318	F	IP	DSE 005	5131-08	27-Mar-95 Data	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
PJ318	F	IP	DSE 005	5131-08	27-Mar-95 Spike	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0			
PJ318	F	IP	DSE 006	5131-08	27-Mar-95 Data	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
PJ318	F	IP	DSE 006	5131-08	27-Mar-95 Spike	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0			
04U852	F	IP	DSF 004	5137-07	28-Mar-95 Data	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
04U852	F	IP	DSF 004	5137-07	28-Mar-95 Spike	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0			
Eff A	F	IP	DSG 004	5170-14	03-Apr-95 Data	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
Eff A	F	IP	DSG 004	5170-14	03-Apr-95 Spike	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0			
Eff A	F	IP	DXT 011	5413-16	03-May-95 Data		<1.04	<1.01					<1.16		<0.97						<1.41			
Eff A	F	IP	DXT 011	5413-16	03-May-95 Spike		0	0					0		0						0			
Eff A	F	IP	DYT 004	5405-14	08-May-95 Data	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
Eff A	F	IP	DYT 004	5405-14	08-May-95 Spike	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0			
Eff A	F	IP	ENH 003	6038-15	11-Jul-95 Data	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
Eff A	F	IP	ENH 003	6038-15	11-Jul-95 Spike	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0			
Eff A	F	IP	ESI 003	6304-15	08-Aug-95 Data	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
Eff A	F	IP	ESI 003	6304-15	08-Aug-95 Spike	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0			
21600	F	IP	ETX 013	6350-12	14-Aug-95 Data		<1.04	<1.01					<1.16		<0.97						<1.41			
21600	F	IP	ETX 013	6350-12	14-Aug-95 Spike		0	0					0		0						0			
Eff A	F	IP	EWC 003	6479-15	07-Sep-95 Data	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
Eff A	F	IP	EWC 003	6479-15	07-Sep-95 Spike	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0			
	F	IP	EWD 005	6502-03	12-Sep-95 Data	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
	F	IP	EWD 005	6502-03	12-Sep-95 Spike	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0			
	N	PC	ZZD 012	288373MS	06-Dec-94 Data	8.93	5.58	8.28	4.84		<0.30	<1.90	9.02	8.71	<0.78	4.32	<1.30	<0.72	<1.00	<1.00	<3.20			
	N	PC	ZZD 012	288373MS	06-Dec-94 Spike	10	5	10	5		0	0	10	10	0	5	0	0	0	0	0			
	N	PC	ZZD 013	288373SD	06-Dec-94 Data	8.98	5.83	7.87	4.81		<0.30	<1.90	9.00	8.65	<0.78	4.41	<1.30	<0.72	<1.00	<1.00	<3.20			
	N	PC	ZZD 013	288373SD	06-Dec-94 Spike	10	5	10	5		0	0	10	10	0	5	0	0	0	0	0			
	N	PC	IZE 014	290777MS	08-Dec-94 Data	9.57	6.81	8.16	4.81		<0.30	<1.90	10.00	8.56	<0.78	4.35	<1.30	<0.72	<1.00	<1.00	<3.20			
	N	PC	IZE 014	290777MS	08-Dec-94 Spike	10	5	10	5		0	0	10	10	0	5	0	0	0	0	0			

APPENDIX C.1
Organics QA/QC Data

Well	QC Type	Lab	IRDMIS Lot #	Lab #	Sample Date	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLFTE	CH2CL2	C6H6	MEC6H5	TXYLEN
	N	PC	IZE 015	290777SD	08-Dec-94 Data	9.06	5.58	7.63	4.78		<0.30	<1.90	9.21	8.39	<0.78	4.06	<1.30	<0.72	<1.00	<1.00	<3.20			
	N	PC	IZE 015	290777SD	08-Dec-94 Spike	10	5	10	5		0	0	10	10	0	5	0	0	0	0	0			
	N	PC	IZK 006	53937MS	07-Mar-95 Data	3000.00	2300.00	2500.00	1300.00		<75.00	<480.00	2800.00	2600.00	<200.00	1400.00	<330.00	<180.00	<250.00	<250.00	<800.00			
	N	PC	IZK 006	53937MS	07-Mar-95 Spike	10	5	10	5		0	0	10	10	0	5	0	0	0	0	0			
	N	PC	IZK 007	53937SD	07-Mar-95 Data	3000.00	1900.00	2300.00	1300.00		<75.00	<480.00	2800.00	2600.00	<200.00	1400.00	<330.00	<180.00	<250.00	<250.00	<800.00			
	N	PC	IZK 007	53937SD	07-Mar-95 Spike	10	5	10	5		0	0	10	10	0	5	0	0	0	0	0			
	N	PC	IZM 012	56383MS	10-Mar-95 Data	11.80	6.50	9.14	5.92			<1.90	10.90	9.95	<0.78	5.32	<1.30	<0.72	<1.00	<1.00	<3.20			
	N	PC	IZM 012	56383MS	10-Mar-95 Spike	10	5	10	5			0	10	10	0	5	0	0	0	0	0			
	N	PC	IZM 013	56383SD	10-Mar-95 Data	11.50	5.95	8.13	5.73		<0.30	<1.90	9.68	9.72	<0.78	5.46	<1.30	<0.72	<1.00	<1.00	<3.20			
	N	PC	IZM 013	56383SD	10-Mar-95 Spike	10	5	10	5		0	0	10	10	0	5	0	0	0	0	0			
	N	PC	IZO 022	58890MS	13-Mar-95 Data	10.50	5.40	9.15	5.88			<1.90	10.50	9.82	<0.78	5.09	<1.30	<0.72	<1.00	<1.00	<3.20			
	N	PC	IZO 022	58890MS	13-Mar-95 Spike	10	5	10	5			0	10	10	0	5	0	0	0	0	0			
	N	PC	IZO 023	58890SD	13-Mar-95 Data	12.00	6.57	8.64	5.97			<1.90	10.30	10.70	<0.78	5.36	<1.30	<0.72	<1.00	<1.00	<3.20			
	N	PC	IZO 023	58890SD	13-Mar-95 Spike	10	5	10	5			0	10	10	0	5	0	0	0	0	0			
	N	PC	IZP 012	63444MS	13-Mar-95 Data	11.40	4.89	9.06	5.93		<0.30	<1.90	10.20	10.80	<0.78	5.46	<1.30	<0.72	<1.00	<1.00	<3.20			
	N	PC	IZP 012	63444MS	13-Mar-95 Spike	10	5	10	5		0	0	10	10	0	5	0	0	0	0	0			
	N	PC	IZP 013	63444SD	13-Mar-95 Data	10.80	4.11	8.75	5.61		<0.30	<1.90	9.64	9.77	<0.78	5.10	<1.30	<0.72	<1.00	<1.00	<3.20			
	N	PC	IZP 013	63444SD	13-Mar-95 Spike	10	5	10	5		0	0	10	10	0	5	0	0	0	0	0			
	N	PC	IZQ 011	59056MS	14-Mar-95 Data	610.00	180.00	390.00	360.00		<0.30	<95.00	420.00	570.00	140.00	290.00	<65.00	<36.00	<50.00	<50.00	<160.00			
	N	PC	IZQ 011	59056MS	14-Mar-95 Spike	10	5	10	5		0	0	10	10	0	5	0	0	0	0	0			
	N	PC	IZQ 012	59056SD	14-Mar-95 Data	540.00	240.00	370.00	350.00		<0.30	<95.00	390.00	570.00	130.00	280.00	<65.00	<36.00	<50.00	<50.00	<160.00			
	N	PC	IZQ 012	59056SD	14-Mar-95 Spike	10	5	10	5		0	0	10	10	0	5	0	0	0	0	0			
	N	PC	IZT 005	63240MS	15-Mar-95 Data	11.30	6.13	7.37	5.74		<0.30	<1.90	10.30	10.80	<0.78	5.26	<1.30	<0.72	<1.00	<1.00	<3.20			
	N	PC	IZT 005	63240MS	15-Mar-95 Spike	10	5	10	5		0	0	10	10	0	5	0	0	0	0	0			
	N	PC	IZT 006	63240SD	15-Mar-95 Data	11.00	6.11	7.29	5.50		<0.30	<1.90	10.60	10.10	<0.78	5.60	<1.30	<0.72	<1.00	<1.00	<3.20			
	N	PC	IZT 006	63240SD	15-Mar-95 Spike	10	5	10	5		0	0	10	10	0	5	0	0	0	0	0			
	N	PC	IZU 017	68462MS	20-Mar-95 Data	10.90	6.13	7.49	6.02		<0.30	<1.90	10.30	10.40	<0.78	5.39	<1.30	<0.72	<1.00	<1.00	<3.20			
	N	PC	IZU 017	68462MS	20-Mar-95 Spike	10	5	10	5		0	0	10	10	0	5	0	0	0	0	0			
	N	PC	IZU 018	68462SD	20-Mar-95 Data	11.30	4.95	7.88	6.17		<0.30	<1.90	11.70	10.90	<0.78	5.54	<1.30	<0.72	<1.00	<1.00	<3.20			
	N	PC	IZU 018	68462SD	20-Mar-95 Spike	10	5	10	5		0	0	10	10	0	5	0	0	0	0	0			
	R	PC	IZE 009	290734	07-Dec-94 Data	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	R	PC	IZE 009	290734	07-Dec-94 Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0			
	R	PC	ZZD 019	288446	07-Dec-94 Data	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	R	PC	ZZD 019	288446	07-Dec-94 Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0			
	R	PC	IZF 008	290866	08-Dec-94 Data	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	R	PC	IZF 008	290866	08-Dec-94 Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0			
	R	PC	IZK 012	53899	07-Mar-95 Data	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	R	PC	IZK 012	53899	07-Mar-95 Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0			
	R	PC	IZL 016	56278	09-Mar-95 Data	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	R	PC	IZL 016	56278	09-Mar-95 Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0			

APPENDIX C.1
Organics QA/QC Data

Well	QC Type	Lab	IRDMIS Lot #	Lab #	Sample Date	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLFTE	CH2CL2	C6H6	MEC6H5	TXYLEN
	R	PC	IZM 007	56340	10-Mar-95 Data	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	R	PC	IZM 007	56340	10-Mar-95 Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0			
	R	PC	IZN 009	58777	10-Mar-95 Data	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	R	PC	IZN 009	58777	10-Mar-95 Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0			
	R	PC	IZO 007	58882	13-Mar-95 Data	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	R	PC	IZO 007	58882	13-Mar-95 Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0			
	R	PC	IZO 015	59200	13-Mar-95 Data	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	R	PC	IZO 015	59200	13-Mar-95 Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0			
	R	PC	IZR 011	59382	14-Mar-95 Data	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	R	PC	IZR 011	59382	14-Mar-95 Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0			
	R	PC	IZR 017	63037	15-Mar-95 Data	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	R	PC	IZR 017	63037	15-Mar-95 Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0			
	R	PC	IZS 017	63177	15-Mar-95 Data	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	R	PC	IZS 017	63177	15-Mar-95 Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0			
	R	PC	IZT 014	63339	16-Mar-95 Data	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	R	PC	IZT 014	63339	16-Mar-95 Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0			
	R	PC	IZU 008	63282	16-Mar-95 Data	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	R	PC	IZU 008	63282	16-Mar-95 Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0			
	R	PC	IZV 014	68500	21-Mar-95 Data	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	R	PC	IZV 014	68500	21-Mar-95 Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0			
	R	PC	IZY 018	166588	12-Jun-95 Data	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	R	PC	IZY 018	166588	12-Jun-95 Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0			
	R	PC	IZY 019	166596	12-Jun-95 Data												<1.30							
	R	PC	IZY 019	166596	12-Jun-95 Spike												0							
	R	PC	HYG 002	267180	11-Sep-95 Data	<5.00	<5.00	<5.00		<5.00	<5.00	<10.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00		<5.00	<5.00	<5.00	<5.00
	R	PC	HYG 002	267180	11-Sep-95 Spike	0	0	0		0	0	0	0	0	0	0	0	0	0		0	0	0	0
	R	PC	HWE 006	269573	12-Sep-95 Data	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	0.91	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	R	PC	HWE 006	269573	12-Sep-95 Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0			
	R	PC	HWF 010	269727	13-Sep-95 Data	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	0.72	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	R	PC	HWF 010	269727	13-Sep-95 Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0			
	T	PC	ZVY 006	231347	04-Oct-94 Data	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	ZVY 006	231347	04-Oct-94 Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0			
	T	PC	IVZ 004	237256	10-Oct-94 Data	<1.00	<0.50	<1.00	<0.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	IVZ 004	237256	10-Oct-94 Spike	0		0	0		0	0	0	0	0	0	0	0	0	0	0			
	T	PC	ZZA 009	258300	01-Nov-94 Data	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	ZZA 009	258300	01-Nov-94 Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0			
	T	IP	DNA 003	4332-01	08-Nov-94 Data		<1.04	<1.01					<1.16		<0.97						<1.41			
	T	IP	DNA 003	4332-01	08-Nov-94 Spike		0	0					0		0						0			
	T	PC	ZZC 004	288420	06-Dec-94 Data	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	ZZC 004	288420	06-Dec-94 Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0			

APPENDIX C.1
Organics QA/QC Data

Well	QC Type	Lab	IRDMIS Lot #	Lab #	Sample Date	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLFTE	CH2CL2	C6H6	MEC6H5	TXYLEN
	T	PC	ZZD 004	285951	06-Dec-94 Data	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	ZZD 004	285951	06-Dec-94 Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0			
	T	PC	IZH 004	418	03-Jan-95 Data	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	IZH 004	418	03-Jan-95 Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0			
	T	PC	IZH 005	450	03-Jan-95 Data	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	IZH 005	450	03-Jan-95 Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0			
	T	IP	DPJ 003	4819-01	01-Feb-95 Data		<1.04	<1.01					<1.16		<0.97						<1.41			
	T	IP	DPJ 003	4819-01	01-Feb-95 Spike		0	0					0		0						0			
	T	PC	IZJ 007	29190	07-Feb-95 Data	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	0.73	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	IZJ 007	29190	07-Feb-95 Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0			
	T	IP	DRJ 005	4979-01	03-Mar-95 Data	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
	T	IP	DRJ 005	4979-01	03-Mar-95 Spike	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0			
	T	IP	DRK 003	4986-01	06-Mar-95 Data	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
	T	IP	DRK 003	4986-01	06-Mar-95 Spike	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0			
	T	IP	DRL 003	4990-01	07-Mar-95 Data	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	7.27			
	T	IP	DRL 003	4990-01	07-Mar-95 Spike	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0			
	T	PC	IZK 009	53961	07-Mar-95 Data	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	IZK 009	53961	07-Mar-95 Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0			
	T	IP	DRM 003	4998-01	08-Mar-95 Data	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
	T	IP	DRM 003	4998-01	08-Mar-95 Spike	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0			
	T	IP	DRO 003	5015-01	09-Mar-95 Data	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
	T	IP	DRO 003	5015-01	09-Mar-95 Spike	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0			
	T	IP	DRO 004	5027-01	10-Mar-95 Data	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
	T	IP	DRO 004	5027-01	10-Mar-95 Spike	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0			
	T	PC	IZM 014	56391	10-Mar-95 Data	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	IZM 014	56391	10-Mar-95 Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0			
	T	IP	DRP 003	5036-01	13-Mar-95 Data	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
	T	IP	DRP 003	5036-01	13-Mar-95 Spike	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0			
	T	PC	IZR 015	59420	14-Mar-95 Data	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	0.83	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	IZR 015	59420	14-Mar-95 Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0			
	T	IP	DRT 003	5054-01	15-Mar-95 Data	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
	T	IP	DRT 003	5054-01	15-Mar-95 Spike	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0			
	T	IP	DRU 003	5072-01	16-Mar-95 Data	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
	T	IP	DRU 003	5072-01	16-Mar-95 Spike	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0			
	T	PC	IZU 015	63649	17-Mar-95 Data	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	IZU 015	63649	17-Mar-95 Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0			
	T	IP	DRW 003	5087-01	20-Mar-95 Data	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
	T	IP	DRW 003	5087-01	20-Mar-95 Spike	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0			
	T	IP	DRX 003	5093-01	21-Mar-95 Data	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
	T	IP	DRX 003	5093-01	21-Mar-95 Spike	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0			

APPENDIX C.1
Organics QA/QC Data

Well	QC Type	Lab	IRDMIS Lot #	Lab #	Sample Date	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLFTE	CH2CL2	C6H6	MEC6H5	TXYLEN
	T	PC	IZV 017	68608	21-Mar-95 Data	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	IZV 017	68608	21-Mar-95 Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0			
	T	IP	DSB 003	5115-01	23-Mar-95 Data	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
	T	IP	DSB 003	5115-01	23-Mar-95 Spike	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0			
	T	IP	DSC 003	5123-01	24-Mar-95 Data	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
	T	IP	DSC 003	5123-01	24-Mar-95 Spike	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0			
	T	IP	DSC 004	5123-01	25-Mar-95 Data	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
	T	IP	DSC 004	5123-01	25-Mar-95 Spike	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0			
	T	IP	DSE 003	5130-01	27-Mar-95 Data	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
	T	IP	DSE 003	5130-01	27-Mar-95 Spike	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0			
	T	IP	DSE 004	5131-01	27-Mar-95 Data	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
	T	IP	DSE 004	5131-01	27-Mar-95 Spike	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0			
	T	IP	DSF 003	5137-01	28-Mar-95 Data	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
	T	IP	DSF 003	5137-01	28-Mar-95 Spike	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0			
	T	IP	DSG 003	5170-01	03-Apr-95 Data	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
	T	IP	DSG 003	5170-01	03-Apr-95 Spike	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0			
	T	IP	DYT 003	5405-01	01-May-95 Data	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
	T	IP	DYT 003	5405-01	01-May-95 Spike	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0			
	T	IP	DXT 003	5413-09	02-May-95 Data		<1.04	<1.01					<1.16		<0.97						<1.41			
	T	IP	DXT 003	5413-09	02-May-95 Spike		0	0					0		0						0			
	T	PC	IZX 009	119970	02-May-95 Data	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	4.80			
	T	PC	IZX 009	119970	02-May-95 Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0			
	T	PC	HWA 004	194891	06-Jul-95 Data	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	2.05			
	T	PC	HWA 004	194891	06-Jul-95 Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0			
	T	PC	HWA 005	194379	06-Jul-95 Data	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	1.97			
	T	PC	HWA 005	194379	06-Jul-95 Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0			
	T	IP	ENF 003	6038-01	11-Jul-95 Data	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
	T	IP	ENF 003	6038-01	11-Jul-95 Spike	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0			
	T	PC	HWB 004	224944	01-Aug-95 Data	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	B 2.05			
	T	PC	HWB 004	224944	01-Aug-95 Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0			
	T	IP	ESH 003	6304-01	08-Aug-95 Data	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
	T	IP	ESH 003	6304-01	08-Aug-95 Spike	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0			
	T	PC	HWC 007	258830	05-Sep-95 Data	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	HWC 007	258830	05-Sep-95 Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0			
	T	IP	EWB 003	6479-01	07-Sep-95 Data	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
	T	IP	EWB 003	6479-01	07-Sep-95 Spike	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0			
	T	IP	EWD 003	6484-01	08-Sep-95 Data	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
	T	IP	EWD 003	6484-01	08-Sep-95 Spike	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0			
	T	IP	EWD 004	6502-01	11-Sep-95 Data	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
	T	IP	EWD 004	6502-01	11-Sep-95 Spike	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0			

APPENDIX C.1
Organics QA/QC Data

Well	QC Type	Lab	IRDMIS Lot #	Lab #	Sample Date	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLFTE	CH2CL2	C6H6	MEC6H5	TXYLEN
	T	PC	HWD 005	267619	11-Sep-95 Data	<1.00	<0.50	<1.00	<0.50		<8.82	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	HWD 005	267619	11-Sep-95 Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0			
	T	PC	HWF 012	269743	13-Sep-95 Data	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
	T	PC	HWF 012	269743	13-Sep-95 Spike	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0			

Appendix C.2

Inorganics QA/QC Data

QC Type	Lab #	Sample Date	AG	AS	BA	BE	CD	CR	CU	MN	NI	PB	SB	SE	TL	ZN	HG	CL	OILGR	PO4ORT	TPO4
F	4106-07	07-Oct-94 Spike																0	0	0	0
F	4106-07	07-Oct-94 Value																<10.00	1000.00	L <12.10	<5.00
F	4106-07	07-Oct-94 Lot																DKN 009	DKO 009	DKK 010	DKL 010
F	4343-06	09-Nov-94 Spike					0	0	0		0					0		0	0	0	0
F	4343-06	09-Nov-94 Value					<1.00	<2.18	6.25		<5.94					60.10		75000.00	<1000.00	<12.10	<5.00
F	4343-06	09-Nov-94 Lot					DNG 016	DNH 014	DNI 013		DNJ 014					DNL 014		DNE 015	DNF 013	DNB 014	DNC 014
F	4532-07	08-Dec-94 Spike																0	0	0	0
F	4532-07	08-Dec-94 Value																<10.00	<1000.00	<12.10	6.73
F	4532-07	08-Dec-94 Lot																DOD 012	DOE 009	DOA 009	DOB 010
F	4724-08	17-Jan-95 Spike																0	0	0	0
F	4724-08	17-Jan-95 Value																<10.00	<1000.00	<12.10	29.10
F	4724-08	17-Jan-95 Lot																DOL 023	DOM 010	DOI 065	DOJ 011
F	4819-11	01-Feb-95 Spike					0	0	0		0	0				0	0	0	0	0	0
F	4819-11	01-Feb-95 Value					0.12	<2.18	12.40		<5.94	<2.65				<29.40	<0.70	<0.10	<1000.00	<12.10	<5.00
F	4819-11	01-Feb-95 Lot					DOV 013	DOW 013	DOX 013		DOZ 013	DOY 005				DPD 013	DPB 007	DOT 049	DOU 012	DOQ 049	DOR 013
F	4819-10	01-Feb-95 Spike	0																		
F	4819-10	01-Feb-95 Value	<1.93																		
F	4819-10	01-Feb-95 Lot	DPA 012																		
F	4863-13	08-Feb-95 Spike	0					0	0		0	0				0	0				
F	4863-13	08-Feb-95 Value	<1.93					<2.18	10.40		<5.94	<2.65				<29.40	<0.70				
F	4863-13	08-Feb-95 Lot	DPY 020					DPT 021	DPU 023		DPW 021	DPV 014				DQA 021	DQC 019				
F	4863-13	08-Feb-95 Spike															0				
F	4863-13	08-Feb-95 Value															<0.20				
F	4863-13	08-Feb-95 Lot															DQD 018				
F	4979-15	03-Mar-95 Spike								0					0	0	0			0	0
F	4979-15	03-Mar-95 Value								<3.00					<2.70	<29.40	<0.20			<12.10	<5.00
F	4979-15	03-Mar-95 Lot								DRC 013					DRA 013	DRB 013	DRE 019			DRG 005	DRH 005
F	4979-15	03-Mar-95 Spike															0				
F	4979-15	03-Mar-95 Value															<0.70				
F	4979-15	03-Mar-95 Lot															DRD 018				
F	4979-01	03-Mar-95 Spike								0											
F	4979-01	03-Mar-95 Value								<1000.00											
F	4979-01	03-Mar-95 Lot								DRI 005											
F	4998-10	08-Mar-95 Spike																			0
F	4998-10	08-Mar-95 Value																			<5.00
F	4998-10	08-Mar-95 Lot																			DSD 005
F	5045-08	14-Mar-95 Spike																		0	0
F	5045-08	14-Mar-95 Value																		<12.10	6.02
F	5045-08	14-Mar-95 Lot																		DRR 014	DSD 007
F	5107-07	22-Mar-95 Spike																		0	0
F	5107-07	22-Mar-95 Value																		<12.10	6.02
F	5107-07	22-Mar-95 Lot																		DRY 013	DSD 010
F	5170-14	03-Apr-95 Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0
F	5170-14	03-Apr-95 Value	<1.93	<4.81	<20.00	<1.47	<0.10	<2.18	<0.50	<3.00	<5.94	<2.65	<10.00	<3.06	<2.70	35.10	<0.70			<12.10	<5.00
F	5170-14	03-Apr-95 Lot	DSR 012	DSI 012	DSJ 012	DSK 012	DSL 012	DSM 012	DSN 012	DSU 012	DSP 012	DSO 012	DSH 012	DSQ 012	DSS 012	DST 012	DSV 017			DSY 031	DSZ 005
F	5170-14	03-Apr-95 Spike															0				
F	5170-14	03-Apr-95 Value															<0.20				
F	5170-14	03-Apr-95 Lot															DSW 018				
F	5180-08	04-Apr-95 Spike																0	0	0	0
F	5180-08	04-Apr-95 Value																<1000.00	<1000.00	<12.10	<5.00
F	5180-08	04-Apr-95 Lot																DTD 028	DTE 010	DTA 041	DTB 011

APPENDIX C.2
Inorganics QA/QC Data

QC Type	Lab #	Sample Date	AG	AS	BA	BE	CD	CR	CU	MN	NI	PB	SB	SE	TL	ZN	HG	CL	OILGR	PO4ORT	TPO4
F	5413-16	03-May-95 Spike	0				0	0	0		0	0				0	0	0	0	0	0
F	5413-16	03-May-95 Value	<1.93				0.10	<2.18	1.66		<5.94	<2.65				30.10	<0.70	<10.00	<1000.00	<12.10	<5.00
F	5413-16	03-May-95 Lot	DWD 032				DVY 027	DVZ 020	DWA 018		DWC 018	DWB 018				DWG 018	DWE 022	DVW 033	DVX 017	DVT 029	DVU 018
F	5405-14	08-May-95 Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				0
F	5405-14	08-May-95 Value	<1.93	<4.81	<20.00	<1.47	<0.10	<2.18	1.11	6.00	<5.94	4.46	<10.00	<3.06	<2.70	<29.40	<0.20				<5.00
F	5405-14	08-May-95 Lot	DYK 012	DYB 012	DYC 012	DYD 012	DYE 012	DYF 030	DYG 028	DYN 012	DYI 028	DYH 028	DYA 021	DYJ 012	DYL 012	DYM 028	DYP 018				DYS 005
F	5405-14	08-May-95 Spike															0				
F	5405-14	08-May-95 Value															<0.70				
F	5405-14	08-May-95 Lot															DYO 017				
F	5405-13	08-May-95 Spike																		0	
F	5405-13	08-May-95 Value																		<12.10	
F	5405-13	08-May-95 Lot																		DYR 010	
F	5662-15	01-Jun-95 Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0
F	5662-15	01-Jun-95 Value	<1.93	<4.81	<20.00	<1.47	<0.10	<2.18	3.26	<3.00	12.60	4.00	<10.00	<3.06	<2.70	38.10	<0.70			<12.10	<5.00
F	5662-15	01-Jun-95 Lot	ECV 023	ECM 013	ECN 023	ECO 013	ECP 013	ECQ 018	ECR 013	ECY 013	ECT 013	ECS 013	ECL 018	ECU 023	ECW 023	ECX 013	ECZ 023			EDC 006	EDD 005
F	5662-15	01-Jun-95 Spike															0				
F	5662-15	01-Jun-95 Value															<0.20				
F	5662-15	01-Jun-95 Lot															EDA 024				
F	5717-08	08-Jun-95 Spike																0	0	0	0
F	5717-08	08-Jun-95 Value																<10000.00	<1000.00	<12.10	<5.00
F	5717-08	08-Jun-95 Lot																EEF 022	EEG 010	EEC 022	EED 011
F	6038-15	11-Jul-95 Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0
F	6038-15	11-Jul-95 Value	<1.93	<4.81	<20.00	<1.47	0.12	<2.18	1.33	<3.00	<5.94	3.41	<10.00	<3.06	<2.70	62.10	<0.70			<12.10	6.02
F	6038-15	11-Jul-95 Lot	EMW 013	EMN 013	EMO 013	EMP 013	EMQ 030	EMR 030	EMS 013	EMZ 013	EMU 030	EMT 013	EMM 030	EMV 013	EMX 013	EMY 013	ENA 022			END 005	ENE 013
F	6038-15	11-Jul-95 Spike															0				
F	6038-15	11-Jul-95 Value															<0.20				
F	6038-15	11-Jul-95 Lot															ENB 028				
F	6048-08	12-Jul-95 Spike																0	0	0	0
F	6048-08	12-Jul-95 Value																<10.00	<1000.00	<12.10	<5.00
F	6048-08	12-Jul-95 Lot																ENR 017	ENS 010	ENO 013	ENP 023
F	6304-15	08-Aug-95 Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0
F	6304-15	08-Aug-95 Value	<1.93	<4.81	<20.00	<1.47	<0.10	<2.18	<0.50	<3.00	<5.94	<2.65	<10.00	<3.06	<2.70	51.10	<0.20			<12.10	<5.00
F	6304-15	08-Aug-95 Lot	ERY 013	ERP 013	ERQ 035	ERR 027	ERS 031	ERT 031	ERU 031	ESB 013	ERW 031	ERV 074	ERO 031	ERX 013	ERZ 013	ESA 027	ESD 033			ESF 006	ESG 005
F	6304-15	08-Aug-95 Spike															0				
F	6304-15	08-Aug-95 Value															L <0.70				
F	6304-15	08-Aug-95 Lot															ESC 033				
F	6350-12	14-Aug-95 Spike	0				0	0	0		0	0				0	0	0	0	0	0
F	6350-12	14-Aug-95 Value	<1.93				<0.10	<2.18	11.90		R <5.94	<2.65				<29.40	<0.70	<0.01	<1000.00	<12.10	<5.00
F	6350-12	14-Aug-95 Lot	ETO 027				ETJ 085	ETK 014	ETL 067		ETN 018	ETM 017				ETR 019	ETP 021	ETH 025	ETI 013	ETE 025	ETF 014
F	6479-15	07-Sep-95 Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
F	6479-15	07-Sep-95 Value	<1.93	<4.81	<20.00	<15.00	0.41	<2.18	12.90	<3.00	R 8.59	R <2.65	<10.00	R <3.06	<2.70	R 347.00	<0.70				
F	6479-15	07-Sep-95 Lot	EVR 143	EVI 030	EVJ 134	EVK 158	EVL 080	EVM 015	EVN 165	EVU 013	EVP 072	EVO 081	EVH 034	EVQ 013	EVS 013	EVT 039	EVV 017				
F	6479-15	07-Sep-95 Spike															0				
F	6479-15	07-Sep-95 Value															<0.20				
F	6479-15	07-Sep-95 Lot															EVW 005				
F	6563-08	19-Sep-95 Spike																0	0	0	0
F	6563-08	19-Sep-95 Value																<10.00	<1000.00	<12.10	26.10
F	6563-08	19-Sep-95 Lot																EWH 006	EWI 010	EWE 006	EWF 011
N	237280MS	10-Oct-94 Spike	0	0	400	100	200	400	400	0	1500	1000	1000	1500	1000	1700					
N	237280MS	10-Oct-94 Value	<12.50	<62.90	497.00	107.00	197.00	416.00	412.00	647.00	1560.00	918.00	1030.00	1590.00	1120.00	1800.00					
N	237280MS	10-Oct-94 Lot	IQU 007	IQU 007	IQU 007	IQU 007	IQU 007	IQU 007	IQU 007	IQU 007	IQU 007	IQU 007	IQU 007	IQU 007	IQU 007	IQU 007					

QC Type	Lab #		Sample Date	AG	AS	BA	BE	CD	CR	CU	MN	NI	PB	SB	SE	TL	ZN	HG	CL	OILGR	PO4ORT	TPO4
N	237280SD	D	10-Oct-94 Spike	0	0	400	100	200	400	400	0	1500	1000	1000	1500	1000	1700					
N	237280SD	D	10-Oct-94 Value	<12.50	<62.90	520.00	107.00	197.00	413.00	416.00	644.00	1590.00	1010.00	998.00	1600.00	1100.00	1820.00					
N	237280SD	D	10-Oct-94 Lot	IQU 008	IQU 008	IQU 008	IQU 008	IQU 008	IQU 008	IQU 008	IQU 008	IQU 008	IQU 008	IQU 008	IQU 008	IQU 008	IQU 008					
N	237299MS	D	10-Oct-94 Spike															5				
N	237299MS	D	10-Oct-94 Value															5.35				
N	237299MS	D	10-Oct-94 Lot															IJX 008				
N	237299SD	D	10-Oct-94 Spike															5				
N	237299SD	D	10-Oct-94 Value															5.18				
N	237299SD	D	10-Oct-94 Lot															IJX 009				
N	237353MS		10-Oct-94 Spike																		33.1	
N	237353MS		10-Oct-94 Value																		73.40	
N	237353MS		10-Oct-94 Lot																		IXD 005	
N	237353SD	D	10-Oct-94 Spike																		33.1	
N	237353SD	D	10-Oct-94 Value																		68.00	
N	237353SD	D	10-Oct-94 Lot																		IXD 006	
N	267376MS		08-Nov-94 Spike															5				
N	267376MS		08-Nov-94 Value															5.36				
N	267376MS		08-Nov-94 Lot															IJY 009				
N	267376SD	D	08-Nov-94 Spike															5				
N	267376SD	D	08-Nov-94 Value															1.42				
N	267376SD	D	08-Nov-94 Lot															IJY 010				
N	267473MS		08-Nov-94 Spike																		100	
N	267473MS		08-Nov-94 Value																		150.00	
N	267473MS		08-Nov-94 Lot																		IXF 005	
N	267473SD	D	08-Nov-94 Spike																		100	
N	267473SD	D	08-Nov-94 Value																		160.00	
N	267473SD	D	08-Nov-94 Lot																		IXF 006	
N	285609MS		05-Dec-94 Spike	0	0	400	100	200	400	400	0	1500	1000	1000	1500	1000	1700					
N	285609MS		05-Dec-94 Value	<62.90	<2.50	454.00	104.00	210.00	427.00	423.00	275.00	1560.00	1060.00	1040.00	1660.00	992.00	1900.00					
N	285609MS		05-Dec-94 Lot	IQW 006	IQW 006	IQW 006	IQW 006	IQW 006	IQW 006	IQW 006	IQW 006	IQW 006	IQW 006	IQW 006	IQW 006	IQW 006	IQW 006					
N	285609SD	D	05-Dec-94 Spike	0	0	400	100	200	400	400	0	1500	1000	1000	1500	1000	1700					
N	285609SD	D	05-Dec-94 Value	<62.90	<2.50	449.00	105.00	210.00	425.00	422.00	275.00	1590.00	1060.00	1090.00	1670.00	1110.00	1900.00					
N	285609SD	D	05-Dec-94 Lot	IQW 007	IQW 007	IQW 007	IQW 007	IQW 007	IQW 007	IQW 007	IQW 007	IQW 007	IQW 007	IQW 007	IQW 007	IQW 007	IQW 007					
N	285625MS		05-Dec-94 Spike															5				
N	285625MS		05-Dec-94 Value															4.94				
N	285625MS		05-Dec-94 Lot															IJZ 008				
N	285625SD	D	05-Dec-94 Spike															5				
N	285625SD	D	05-Dec-94 Value															5.30				
N	285625SD	D	05-Dec-94 Lot															IJZ 009				
N	285803MS		05-Dec-94 Spike																			20
N	285803MS		05-Dec-94 Value																			12.10
N	285803MS		05-Dec-94 Lot																			ISK 005
N	285803SD	D	05-Dec-94 Spike																			20
N	285803SD	D	05-Dec-94 Value																			12.00
N	285803SD	D	05-Dec-94 Lot																			ISK 006
N	10235MS		17-Jan-95 Spike			400	100	200	400	400		1500	1000	1000	1500	1000	1700					
N	10235MS		17-Jan-95 Value			470.00	112.00	211.00	430.00	406.00		1560.00	1060.00	1070.00	1670.00	1060.00	B 1850.00					
N	10235MS		17-Jan-95 Lot			IQX 006	IQX 006	IQX 006	IQX 006	IQX 006		IQX 006	IQX 006	IQX 006	IQX 006	IQX 006	IQX 006					
N	10235SD	D	17-Jan-95 Spike			400	100	200	400	400		1500	1000	1000	1500	1000	1700					
N	10235SD	D	17-Jan-95 Value			468.00	111.00	208.00	427.00	407.00		1580.00	1030.00	1040.00	1680.00	1090.00	B 1850					
N	10235SD	D	17-Jan-95 Lot			IQX 007	IQX 007	IQX 007	IQX 007	IQX 007		IQX 007	IQX 007	IQX 007	IQX 007	IQX 007	IQX 007					

APPENDIX C.2
Inorganics QA/QC Data

QC Type	Lab #	Sample Date	AG	AS	BA	BE	CD	CR	CU	MN	NI	PB	SB	SE	TL	ZN	HG	CL	OILGR	PO4ORT	TPO4
N	10278MS	17-Jan-95 Spike															5				
N	10278MS	17-Jan-95 Value															5.05				
N	10278MS	17-Jan-95 Lot															JDA 009				
N	10278SD D	17-Jan-95 Spike															5				
N	10278SD D	17-Jan-95 Value															5.47				
N	10278SD D	17-Jan-95 Lot															JDA 010				
N	10316MS	17-Jan-95 Spike																		40	40
N	10316MS	17-Jan-95 Value																		130.00	>220.00
N	10316MS	17-Jan-95 Lot																		IXI 005	ISM 005
N	10316SD D	17-Jan-95 Spike																		40	40
N	10316SD D	17-Jan-95 Value																		130.00	>220.00
N	10316SD D	17-Jan-95 Lot																		IXI 006	ISM 006
N	267180MS	11-Sep-95 Spike											25								
N	267180MS	11-Sep-95 Value											23.80								
N	267180MS	11-Sep-95 Lot											ETN 004								
N	267180SD D	11-Sep-95 Spike											25								
N	267180SD D	11-Sep-95 Value											24.20								
N	267180SD D	11-Sep-95 Lot											ETN 005								
R	264423	08-Sep-95 Spike	0	0	0	0	0	0	0	0	0	0		0	0	0	0				
R	264423	08-Sep-95 Value	<5.00	<4.00	14.00	<5.00	<5.00	<5.00	13.00	11.00	<20.00	<3.00		<5.00	10.00	<20.00	<0.20				
R	264423	08-Sep-95 Lot	FVD 002	KBB 002	FVD 002	FVD 002	FVD 002	FVD 002	FVD 002	FVD 002	FVD 002	KBB 002		KBB 002	KBB 002	FVD 002	FVE 002				
R	264407	08-Sep-95 Spike											0								
R	264407	08-Sep-95 Value											<5.00								
R	264407	08-Sep-95 Lot											ETN 002								
R	267180	11-Sep-95 Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
R	267180	11-Sep-95 Value	<5.00	<4.00	74.00	<5.00	<5.00	<5.00	<5.00	<5.00	<20.00	<3.00	<5.00	<5.00	<10.00	<20.00	<0.20				
R	267180	11-Sep-95 Lot	FVD 003	KBB 003	FVD 003	FVD 003	FVD 003	FVD 003	FVD 003	FVD 003	FVD 003	KBB 003	ETN 003	KBB 003	KBB 003	FVD 003	FVE 003				
R	267198	11-Sep-95 Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
R	267198	11-Sep-95 Value	<5.00	<4.00	62.00	<5.00	<5.00	<5.00	<5.00	<5.00	<20.00	<3.00	<5.00	<5.00	<10.00	<20.00	<0.20				
R	267198	11-Sep-95 Lot	FVD 004	KBB 004	FVD 004	FVD 004	FVD 004	FVD 004	FVD 004	FVD 004	FVD 004	KBB 004	ETN 006	KBB 004	KBB 004	FVD 004	FVE 004				
T	267333	08-Nov-94 Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
T	267333	08-Nov-94 Value	<12.50	<62.90	82.70	<2.50	<5.00	<15.00	<20.00	<5.11	<63.10	<100.00	<37.10	<75.00	<100.00	B 15.30	<0.74				
T	267333	08-Nov-94 Lot	IQV 004	IQV 004	IQV 004	IQV 004	IQV 004	IQV 004	IQV 004	IQV 004	IQV 004	IQV 004	IQV 004	IQV 004	IQV 004	IQV 004	IJY 004				
T	285544	05-Dec-94 Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
T	285544	05-Dec-94 Value	<62.90	<2.50	129.00	<5.00	<15.00	<120.00	<1250.00	<500.00	<37.10	<75.00	<100.00	<20.00	<13.00	24.00	<0.74				
T	285544	05-Dec-94 Lot	IQW 004	IQW 004	IQW 004	IQW 004	IQW 004	IQW 004	IQW 004	IQW 004	IQW 004	IQW 004	IQW 004	IQW 004	IQW 004	IQW 004	IJZ 004				
T	10189	17-Jan-95 Spike														0					
T	10189	17-Jan-95 Value														B 13.20					
T	IQ189	17-Jan-95 Lot														IQX 004					

QC Type	Lab #	Sample Date	TSS	TOC	U234	U235	U238	ALPHAG	BETAG	BOD	CO60	COD	COLI	CS137	CYN	GAMAG	NH3	AL	CO	SR	V
F	4106-07	07-Oct-94 Spike	0																		
F	4106-07	07-Oct-94 Value	<1000.00																		
F	4106-07	07-Oct-94 Lot	DKM 009																		
F	4343-06	09-Nov-94 Spike	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
F	4343-06	09-Nov-94 Value	<1000.00	<5000.00	4.00	<0.10	<0.40	<1.90	4.30	<4000.00	<8.50	<2.60	<10.00	<4.20	<8.35	<12.70	<0.05				
F	4343-06	09-Nov-94 Lot	DND 013	DNN 014	DNX 006	DNX 006	DNX 006	DNV 006	DNV 006	DNO 013	DNW 006	DNM 014	DNR 007	DNW 006	DNK 014	DNW 006	DNP 013				
F	4532-07	08-Dec-94 Spike	0																		
F	4532-07	08-Dec-94 Value	<2000.00																		
F	4532-07	08-Dec-94 Lot	DOC 009																		
F	4724-08	17-Jan-95 Spike	0																		
F	4724-08	17-Jan-95 Value	<1000.00																		
F	4724-08	17-Jan-95 Lot	DOK 010																		
F	4819-11	01-Feb-95 Spike	0	0								0	0		0		0				
F	4819-11	01-Feb-95 Value	1000.00	<1000.00								<2580.00	<10.00		<8.35		120.00				
F	4819-11	01-Feb-95 Lot	DOS 012	DPF 012								DPE 014	DPI 011		DPC 013		DPH 012				
F	4819-10	01-Feb-95 Spike								0											
F	4819-10	01-Feb-95 Value								<4000.00											
F	4819-10	01-Feb-95 Lot								DPG 011											
F	4863-13	08-Feb-95 Spike																			
F	4863-13	08-Feb-95 Value																			
F	4863-13	08-Feb-95 Lot																			
F	4863-13	08-Feb-95 Spike																			
F	4863-13	08-Feb-95 Value																			
F	4863-13	08-Feb-95 Lot																			
F	4979-15	03-Mar-95 Spike	0														0				
F	4979-15	03-Mar-95 Value	<1000.00														<4.50				
F	4979-15	03-Mar-95 Lot	DRI 004														DRF 035				
F	4979-15	03-Mar-95 Spike																			
F	4979-15	03-Mar-95 Value																			
F	4979-15	03-Mar-95 Lot																			
F	4979-01	03-Mar-95 Spike																			
F	4979-01	03-Mar-95 Value																			
F	4979-01	03-Mar-95 Lot																			
F	4998-10	08-Mar-95 Spike																			
F	4998-10	08-Mar-95 Value																			
F	4998-10	08-Mar-95 Lot																			
F	5045-08	14-Mar-95 Spike															0				
F	5045-08	14-Mar-95 Value															<500.00				
F	5045-08	14-Mar-95 Lot															DRS 012				
F	5107-07	22-Mar-95 Spike															0				
F	5107-07	22-Mar-95 Value															<500.00				
F	5107-07	22-Mar-95 Lot															DRZ 013				
F	5170-14	03-Apr-95 Spike															0				
F	5170-14	03-Apr-95 Value															42.00				
F	5170-14	03-Apr-95 Lot															DSX 031				
F	5170-14	03-Apr-95 Spike																			
F	5170-14	03-Apr-95 Value																			
F	5170-14	03-Apr-95 Lot																			
F	5180-08	04-Apr-95 Spike	0																		
F	5180-08	04-Apr-95 Value	<1000.00																		
F	5180-08	04-Apr-95 Lot	DTC 010																		

APPENDIX C.2
Inorganics QA/QC Data

QC Type	Lab #	Sample Date	TSS	TOC	U234	U235	U238	ALPHAG	BETAG	BOD	CO60	COD	COLI	CS137	CYN	GAMAG	NH3	AL	CO	SR	V
F	5413-16	03-May-95 Spike	0	0	0	0	0			0		0	0		0		0				
F	5413-16	03-May-95 Value	<1000.00	<5000.00	1.70	1.70	<0.60			<4000.00		11.00	<10.00		<8.35		90.00				
F	5413-16	03-May-95 Lot	DVVA 008	DWI 018	DWR 015	DWR 016	DWR 015			DWJ 017		DWH 018	DWM 008		DWF 023		DWK 017				
F	5405-14	08-May-95 Spike															0				
F	5405-14	08-May-95 Value															13.00				
F	5405-14	08-May-95 Lot															DYQ 010				
F	5405-14	08-May-95 Spike																			
F	5405-14	08-May-95 Value																			
F	5405-14	08-May-95 Lot																			
F	5405-13	08-May-95 Spike																			
F	5405-13	08-May-95 Value																			
F	5405-13	08-May-95 Lot																			
F	5662-15	01-Jun-95 Spike	0														0				
F	5662-15	01-Jun-95 Value	<1000.00														23.00				
F	5662-15	01-Jun-95 Lot	EDE 004														EDB 006				
F	5662-15	01-Jun-95 Spike																			
F	5662-15	01-Jun-95 Value																			
F	5662-15	01-Jun-95 Lot																			
F	5717-08	08-Jun-95 Spike	0																		
F	5717-08	08-Jun-95 Value	1000.00																		
F	5717-08	08-Jun-95 Lot	EEE 010																		
F	6038-15	11-Jul-95 Spike															0				
F	6038-15	11-Jul-95 Value															65.00				
F	6038-15	11-Jul-95 Lot															ENC 005				
F	6038-15	11-Jul-95 Spike																			
F	6038-15	11-Jul-95 Value																			
F	6038-15	11-Jul-95 Lot																			
F	6048-08	12-Jul-95 Spike	0																		
F	6048-08	12-Jul-95 Value	<1000.00																		
F	6048-08	12-Jul-95 Lot	ENQ 010																		
F	6304-15	08-Aug-95 Spike															0				
F	6304-15	08-Aug-95 Value															57.90				
F	6304-15	08-Aug-95 Lot															ESE 006				
F	6304-15	08-Aug-95 Spike																			
F	6304-15	08-Aug-95 Value																			
F	6304-15	08-Aug-95 Lot																			
F	6350-12	14-Aug-95 Spike	0	0						0		0	0		0		0				
F	6350-12	14-Aug-95 Value	3000.00	<5000.00						<4000.00		<2.60	<10.00		<8.35		50.00				
F	6350-12	14-Aug-95 Lot	ETG 013	ETT 014						ETU 013		ETS 013	ETW 012		ETQ 014		ETV 013				
F	6479-15	07-Sep-95 Spike	0														0				
F	6479-15	07-Sep-95 Value	<1000.00														<4.50				
F	6479-15	07-Sep-95 Lot	EWA 004														EVX 013				
F	6479-15	07-Sep-95 Spike																			
F	6479-15	07-Sep-95 Value																			
F	6479-15	07-Sep-95 Lot																			
F	6563-08	19-Sep-95 Spike	0																		
F	6563-08	19-Sep-95 Value	<1000.00																		
F	6563-08	19-Sep-95 Lot	EWG 010																		
N	237280MS	10-Oct-94 Spike																			
N	237280MS	10-Oct-94 Value																			
N	237280MS	10-Oct-94 Lot																			

QC Type	Lab #		Sample Date	TSS	TOC	U234	U235	U238	ALPHAG	BETAG	BOD	CO60	COD	COLI	CS137	CYN	GAMAG	NH3	AL	CO	SR	V
N	237280SD	D	10-Oct-94 Spike																			
N	237280SD	D	10-Oct-94 Value																			
N	237280SD	D	10-Oct-94 Lot																			
N	237299MS	D	10-Oct-94 Spike																			
N	237299MS	D	10-Oct-94 Value																			
N	237299MS	D	10-Oct-94 Lot																			
N	237299SD	D	10-Oct-94 Spike																			
N	237299SD	D	10-Oct-94 Value																			
N	237299SD	D	10-Oct-94 Lot																			
N	237353MS		10-Oct-94 Spike															140				
N	237353MS		10-Oct-94 Value															1200.00				
N	237353MS		10-Oct-94 Lot															IWD 005				
N	237353SD	D	10-Oct-94 Spike															140				
N	237353SD	D	10-Oct-94 Value															1200.00				
N	237353SD	D	10-Oct-94 Lot															IWD 006				
N	267376MS		08-Nov-94 Spike																			
N	267376MS		08-Nov-94 Value																			
N	267376MS		08-Nov-94 Lot																			
N	267376SD	D	08-Nov-94 Spike																			
N	267376SD	D	08-Nov-94 Value																			
N	267376SD	D	08-Nov-94 Lot																			
N	267473MS		08-Nov-94 Spike															100				
N	267473MS		08-Nov-94 Value															394.00				
N	267473MS		08-Nov-94 Lot															IWE 005				
N	267473SD	D	08-Nov-94 Spike															100				
N	267473SD	D	08-Nov-94 Value															393.00				
N	267473SD	D	08-Nov-94 Lot															IWE 006				
N	285609MS		05-Dec-94 Spike																			
N	285609MS		05-Dec-94 Value																			
N	285609MS		05-Dec-94 Lot																			
N	285609SD	D	05-Dec-94 Spike																			
N	285609SD	D	05-Dec-94 Value																			
N	285609SD	D	05-Dec-94 Lot																			
N	285625MS		05-Dec-94 Spike																			
N	285625MS		05-Dec-94 Value																			
N	285625MS		05-Dec-94 Lot																			
N	285625SD	D	05-Dec-94 Spike																			
N	285625SD	D	05-Dec-94 Value																			
N	285625SD	D	05-Dec-94 Lot																			
N	285803MS		05-Dec-94 Spike																			
N	285803MS		05-Dec-94 Value																			
N	285803MS		05-Dec-94 Lot																			
N	285803SD	D	05-Dec-94 Spike																			
N	285803SD	D	05-Dec-94 Value																			
N	285803SD	D	05-Dec-94 Lot																			
N	10235MS		17-Jan-95 Spike																			
N	10235MS		17-Jan-95 Value																			
N	10235MS		17-Jan-95 Lot																			
N	10235SD	D	17-Jan-95 Spike																			
N	10235SD	D	17-Jan-95 Value																			
N	10235SD	D	17-Jan-95 Lot																			

APPENDIX C.2
Inorganics QA/QC Data

QC Type	Lab #		Sample Date	TSS	TOC	U234	U235	U238	ALPHAG	BETAG	BOD	CO60	COD	COLI	CS137	CYN	GAMAG	NH3	AL	CO	SR	V
N	10278MS		17-Jan-95 Spike																			
N	10278MS		17-Jan-95 Value																			
N	10278MS		17-Jan-95 Lot																			
N	10278SD	D	17-Jan-95 Spike																			
N	10278SD	D	17-Jan-95 Value																			
N	10278SD	D	17-Jan-95 Lot																			
N	10316MS		17-Jan-95 Spike															100				
N	10316MS		17-Jan-95 Value															>449.00				
N	10316MS		17-Jan-95 Lot															IWG 005				
N	10316SD	D	17-Jan-95 Spike															100				
N	10316SD	D	17-Jan-95 Value															>449.00				
N	10316SD	D	17-Jan-95 Lot															IWG 006				
N	267180MS		11-Sep-95 Spike																			
N	267180MS		11-Sep-95 Value																			
N	267180MS		11-Sep-95 Lot																			
N	267180SD	D	11-Sep-95 Spike																			
N	267180SD	D	11-Sep-95 Value																			
N	267180SD	D	11-Sep-95 Lot																			
R	264423		08-Sep-95 Spike																0	0	0	0
R	264423		08-Sep-95 Value																B 130.00	<10.00	<10.00	<10.00
R	264423		08-Sep-95 Lot																FVD 002	FVD 002	FVD 002	FVD 002
R	264407		08-Sep-95 Spike																			
R	264407		08-Sep-95 Value																			
R	264407		08-Sep-95 Lot																			
R	267180		11-Sep-95 Spike																0	0	0	0
R	267180		11-Sep-95 Value																B 35.00	<10.00	<10.00	<10.00
R	267180		11-Sep-95 Lot																FVD 003	FVD 003	FVD 003	FVD 003
R	267198		11-Sep-95 Spike																0	0	0	0
R	267198		11-Sep-95 Value																B 92.00	<10.00	<10.00	<10.00
R	267198		11-Sep-95 Lot																FVD 004	FVD 004	FVD 004	FVD 004
T	267333		08-Nov-94 Spike																			
T	267333		08-Nov-94 Value																			
T	267333		08-Nov-94 Lot																			
T	285544		05-Dec-94 Spike																			
T	285544		05-Dec-94 Value																			
T	285544		05-Dec-94 Lot																			
T	10189		17-Jan-95 Spike																			
T	10189		17-Jan-95 Value																			
T	10189		17-Jan-95 Lot																			

Appendix C.3

Relative Percent Difference (RPD) Data

APPENDIX C.3
Relative Percent Difference (RPD) Data

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN
01U108		06-Mar-95	F46	DRK 015	4986-01	27.50	5.12	<1.01		1.70	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
01U108	(4)	06-Mar-95	F46	DRK 016	4986-01	26.10	5.01	<1.01		1.70	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
						-5.36	-2.20	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
01U139		27-Dec-94	F45	IZG 009		<1.00	1.29	<1.00	47.70			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
01U139	(4)	27-Dec-94	F45	IZG 010		<1.00	1.17	<1.00	44.10			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
						0.00	-10.26	0.00	-8.16			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
01U140		07-Mar-95	F46	DRN 012	4990-01																	1.16	<0.31	<0.54
01U140	(4)	07-Mar-95	F46	DRN 013	4990-01																	1.13	<0.31	<0.54
																						-2.65	0.00	0.00
01U140		07-Mar-95	F46	DRL 015	4990-01	<2.41	<1.04	<1.01		9.32	1.46	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
01U140	(4)	07-Mar-95	F46	DRL 016	4990-01	<2.41	<1.04	<1.01		7.27	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
						0.00	0.00	0.00		-28.20	-37.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
01U353		10-Oct-94	F45	IVY 006		<2.00	11.00	<2.00	150.00			<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40			
01U353	(4)	10-Oct-94	F45	IVY 007		<2.00	9.40	<2.00	270.00			<3.80	<2.00	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40			
						0.00	-17.02	0.00	44.44			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
01U354		05-Dec-94	F45	IZD 004		<1.00	0.61	<1.00	17.50			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
01U354	(4)	05-Dec-94	F45	IZC 010		<1.00	0.59	<1.00	16.40			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
						0.00	-3.07	0.00	-6.71			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
01U358		08-Nov-94	F45	IZB 007		<1.00	0.40	<1.00	28.50			<1.90	<1.00	<1.00	<0.78	0.33	<1.30	<0.72	<1.00	<1.00	<3.20			
01U358	(4)	08-Nov-94	F45	IZB 008		<1.00	0.49	<1.00	29.30			<1.90	<1.00	<1.00	<0.78	0.35	<1.30	<0.72	<1.00	<1.00	<3.20			
						0.00	18.00	0.00	2.73			0.00	0.00	0.00	0.00	6.61	0.00	0.00	0.00	0.00	0.00			
01U358		17-Jan-95	F46	IZI 013		<1.00	0.32	<1.00	28.40			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
01U358	(4)	17-Jan-95	F46	IZI 015		<1.00	0.31	<1.00	29.00			<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
						0.00	-2.57	0.00	2.07			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
01U621		05-Sep-95	A48	HWC 005	258830	<1.00	<0.50	<1.00	11.10		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
01U621	(4)	05-Sep-95	A48	HWC 006	258830	<1.00	<0.50	<1.00	11.70		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
						0.00	0.00	0.00	5.13		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
03F302		14-Mar-95	A46	IZP 006	59420	<10.00	400.00	<10.00	13.00		<3.00	<19.00	15.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00			
03F302	(4)	14-Mar-95	A46	IZP 007	59420	<10.00	390.00	<10.00	14.00		<3.00	<19.00	15.00	<10.00	4.10	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00			
						0.00	-2.56	0.00	7.14		0.00	0.00	0.00	0.00	-90.24	0.00	0.00	0.00	0.00	0.00	0.00			
03F302		11-Sep-95	A48	HWD 011	267619	<20.00	360.00	<20.00	8.90		<180.00	<38.00	19.00	<20.00	<16.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00			
03F302	(4)	11-Sep-95	A48	HWD 012	267619	<20.00	360.00	<20.00	8.90		<180.00	<38.00	17.00	<20.00	<16.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00			
						0.00	0.00	0.00	0.00		0.00	0.00	-11.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
03L078		16-Mar-95	A46	IZT 016	NC	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
03L078	(4)	16-Mar-95	A46	IZT 015	NC	<1.00	0.32	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
						0.00	-56.25	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
03L833		12-Sep-95	A48	HWE 009	NC	<2.00	69.00	<2.00	<1.00		<0.60	<3.80	1.50	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40			
03L833	(4)	12-Sep-95	A48	HWE 010	NC	<2.00	73.00	<2.00	<1.00		<0.60	<3.80	1.30	<2.00	<1.60	<1.00	<2.60	<1.40	<2.00	<2.00	<6.40			
						0.00	5.48	0.00	0.00		0.00	0.00	-15.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
03L858		16-Mar-95	F46	DRU 011	5072-01	<2.41	41.20	<1.01		2.00	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	6.55	8.95	<3.94	<4.47	<1.41			
03L858	(4)	16-Mar-95	F46	DRU 012	5072-01	<2.41	39.20	<1.01		1.85	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	6.79	9.02	<3.94	<4.47	<1.41			
						0.00	-5.10	0.00		-8.11	0.00	0.00	0.00	0.00	0.00	0.00	3.53	0.78	0.00	0.00	0.00			

APPENDIX C.3
Relative Percent Difference (RPD) Data

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN
03L860		10-Mar-95	A46	IZM 009	56391	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
03L860	(4)	10-Mar-95	A46	IZM 010	56391	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
						0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
03U015		09-Mar-95	F46	DRO 011	5015-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
03U015	(4)	09-Mar-95	F46	DRO 012	5015-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
						0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
03U017		13-Mar-95	A46	IZO 004	59420	<1.00	10.20	<1.00	<0.50		<0.30	<1.90	2.43	<1.00	<0.78	0.45	<1.30	<0.72	<1.00	<1.00	<3.20			
03U017	(4)	13-Mar-95	A46	IZO 005	59420	<1.00	11.40	<1.00	<0.50		<0.30	<1.90	2.53	<1.00	<0.78	0.65	<1.30	<0.72	<1.00	<1.00	<3.20			
						0.00	10.53	0.00	0.00		0.00	0.00	3.95	0.00	0.00	30.03	0.00	0.00	0.00	0.00	0.00			
03U026		13-Mar-95	F46	DRP 007	5036-01	<2.41	45.10	<1.01		1.04	<1.06	<4.10	7.67	<1.52	<0.97	<4.63	<1.20	37.80	<3.94	<4.47	<1.41			
03U026	(4)	13-Mar-95	F46	DRP 009	5036-01	<2.41	42.70	<1.01		1.09	<1.06	<4.10	7.40	<1.52	<0.97	<4.63	<1.20	36.90	<3.94	<4.47	<1.41			
						0.00	-5.62	0.00		4.59	0.00	0.00	-3.65	0.00	0.00	0.00	0.00	-2.44	0.00	0.00	0.00			
03U093		17-Mar-95	A46	IZU 010	63649	<20.00	280.00	<20.00	<10.00		<6.00	<38.00	89.00	<20.00	<16.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00			
03U093	(4)	17-Mar-95	A46	IZU 011	63649	<10.00	290.00	14.00	<5.00		<3.00	<19.00	92.00	<10.00	5.40	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00			
						-100.00	3.45	-42.86	-100.00		-100.00	-100.00	3.26	-100.00	-196.30	-100.00	-100.00	-94.44	-100.00	-100.00	-100.00			
03U316		14-Mar-95	A46	IZQ 019	59420	<1.00	14.40	1.57	<0.50		<0.30	<1.90	7.64	<1.00	1.46	<0.50	<1.30	1.51	<1.00	<1.00	<3.20			
03U316	(4)	14-Mar-95	A46	IZQ 020	59420	<1.00	12.40	1.26	<0.50		<0.30	<1.90	6.91	<1.00	1.25	<0.50	<1.30	1.30	<1.00	<1.00	<3.20			
						0.00	-16.13	-24.60	0.00		0.00	0.00	-10.56	0.00	-16.80	0.00	0.00	-16.15	0.00	0.00	0.00			
03U659		21-Mar-95	A46	IZV 007	NC	<10.00	340.00	<10.00	48.00		<3.00	<19.00	21.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00			
03U659	(4)	21-Mar-95	A46	IZV 008	NC	<10.00	340.00	<10.00	48.00		<3.00	<19.00	25.00	<10.00	<7.80	<5.00	<13.00	<7.20	<10.00	<10.00	<32.00			
						0.00	0.00	0.00	0.00		0.00	0.00	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
03U705		14-Sep-95	A48	HWF 016	NC	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
03U705	(4)	14-Sep-95	A48	HWF 017	NC	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
						0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
03U821		15-Mar-95	F46	DRT 012	5054-01	<2.41	17.20	3.47		1.68	<1.06	<4.10	4.29	<1.52	4.28	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
03U821	(4)	15-Mar-95	F46	DRT 013	5054-01	<2.41	<1.04	<1.01		1.68	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
						0.00	-1553.85	-243.56		0.00	0.00	0.00	-269.83	0.00	-341.24	0.00	0.00	0.00	0.00	0.00	0.00			
04J708		14-Mar-95	A46	IZR 008	59420	<1.00	11.60	<1.00	0.36		<0.30	<1.90	1.24	<1.00	1.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
04J708	(4)	14-Mar-95	A46	IZR 009	59420	<1.00	10.60	<1.00	0.35		<0.30	<1.90	1.96	<1.00	1.69	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
						0.00	-9.43	0.00	-4.62		0.00	0.00	36.73	0.00	-5.33	0.00	0.00	0.00	0.00	0.00	0.00			
04J866		08-Dec-94	A45	IZE 018	288420	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	0.58	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	9.22			
04J866	(4)	08-Dec-94	A45	IZE 019	288420	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	1.84			
						0.00	0.00	0.00	0.00		0.00	0.00	41.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-401.09			
04U027		15-Mar-95	A46	IZS 010	NC	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
04U027	(4)	15-Mar-95	A46	IZS 011	NC	<1.00	0.46	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
						0.00	-8.70	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
04U673		15-Mar-95	A46	IZS 018	NC	<5.00	160.00	<5.00	6.00		<1.50	<9.50	3.40	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00			
04U673	(4)	15-Mar-95	A46	IZS 019	NC	<5.00	140.00	<5.00	6.00		<1.50	<9.50	3.20	<5.00	<3.90	<2.50	<6.50	<3.60	<5.00	<5.00	<16.00			
						0.00	-14.29	0.00	0.00		0.00	0.00	-6.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
04U806		13-Mar-95	A46	IZO 017	59420	<10.00	450.00	29.00	11.00		<3.00	<19.00	94.00	<10.00	45.00	2.60	<13.00	<7.20	<10.00	<10.00	<32.00			
04U806	(4)	13-Mar-95	A46	IZO 018	59420	<20.00	390.00	26.00	8.10		<6.00	<38.00	84.00	<20.00	34.00	<10.00	<26.00	<14.00	<20.00	<20.00	<64.00			
						50.00	-15.38	-11.54	-35.80		50.00	50.00	-11.90	50.00	-32.35	74.00	50.00	48.57	50.00	50.00	50.00			

APPENDIX C.3
Relative Percent Difference (RPD) Data

Well		Date	Qtr (2)	IRDMIS Lot #	Trip Blank Lab #	TCLEE	TRCLE	11DCE	12DCE	C12DCE	T12DCE	C2H3CL	111TCE	112TCE	11DCLE	12DCLE	CCL4	CHCL3	12DCLP	TCLTFE	CH2CL2	C6H6	MEC6H5	TXYLEN
04U832		07-Dec-94	A45	IZE 005	288420	<1.00	43.30	1.63	0.27		<0.30	<1.90	6.21	<1.00	1.53	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
04U832	(4)	07-Dec-94	A45	IZE 006	288420	<1.00	47.10	1.97	0.29		<0.30	<1.90	6.65	<1.00	1.66	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
						0.00	8.07	17.26	4.21		0.00	0.00	6.62	0.00	7.83	0.00	0.00	0.00	0.00	0.00	0.00			
04U866		09-Mar-95	A46	IZL 012	56391	<1.00	15.30	0.70	0.53		<0.30	<1.90	0.82	<1.00	1.15	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
04U866	(4)	09-Mar-95	A46	IZL 013	56391	<1.00	15.60	0.60	0.52		<0.30	<1.90	1.06	<1.00	1.12	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
						0.00	1.92	-18.15	-1.92		0.00	0.00	22.26	0.00	-2.68	0.00	0.00	0.00	0.00	0.00	0.00			
04U871		20-Mar-95	F46	DRW 010	5087-01	<2.41	8.71	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
04U871	(4)	20-Mar-95	F46	DRW 011	5087-01	<2.41	8.83	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
						0.00	1.36	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
04U879		23-Mar-95	F46	DSB 013	5115-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
04U879	(4)	23-Mar-95	F46	DSB 014	5115-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
						0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
234546		21-Mar-95	F46	DRX 016	5093-01	<2.41	32.70	1.42		<0.89	<1.06	<4.10	3.06	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
234546	(4)	21-Mar-95	F46	DRX 017	5093-01	<2.41	8.02	1.42		<0.89	<1.06	<4.10	3.06	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
						0.00	-307.73	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
409555		25-Mar-95	F46	DSC 013	5123-01	<2.41	2.66	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
409555	(4)	25-Mar-95	F46	DSC 014	5123-01	<2.41	<1.04	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
						0.00	-155.77	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
520931		01-Nov-94	A45	ZZA 006	NC	<1.00	<0.50	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
520931	(4)	01-Nov-94	A45	ZZA 007	NC	<1.00	15.20	<1.00	0.89		<0.30	<1.90	0.68	<1.00	0.41	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
						0.00	96.71	0.00	43.95		0.00	0.00	-46.20	0.00	-89.32	0.00	0.00	0.00	0.00	0.00	0.00			
520931		06-Dec-94	A45	ZZD 007	288420	<1.00	12.30	<1.00	0.32		<0.30	<1.90	0.65	<1.00	0.42	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
520931	(4)	06-Dec-94	A45	ZZD 008	288420	<1.00	13.80	<1.00	<0.50		<0.30	<1.90	0.56	<1.00	0.46	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
						0.00	10.87	0.00	35.20		0.00	0.00	-14.54	0.00	7.68	0.00	0.00	0.00	0.00	0.00	0.00			
520931		03-Jan-95	A46	YZG 004	418	<1.00	13.40	<1.00	0.37		<0.30	<1.90	0.92	1.03	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
520931	(4)	03-Jan-95	A46	YZG 005	418	<1.00	13.40	<1.00	0.33		<0.30	<1.90	1.10	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
						0.00	0.00	0.00	-14.42		0.00	0.00	16.73	-3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
520931		07-Mar-95	A46	IZL 004	56391	<1.00	11.70	<1.00	0.39		<0.30	<1.90	0.79	<1.00	0.47	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
520931	(4)	07-Mar-95	A46	IZL 005	56391	<1.00	11.80	<1.00	0.39		<0.30	<1.90	0.64	<1.00	0.44	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
						0.00	0.85	0.00	-1.82		0.00	0.00	-22.71	0.00	-7.31	0.00	0.00	0.00	0.00	0.00	0.00			
520931		02-May-95	A47	IZX 007	119970	<1.00	10.70	<1.00	0.42		<0.30	<1.90	0.61	<1.00	0.55	<0.50	<1.30	<0.72	<1.00	<1.00	1.83			
520931	(4)	02-May-95	A47	IZX 008	119970	<1.00	10.90	<1.00	0.45		<0.30	<1.90	0.57	<1.00	0.55	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
						0.00	1.83	0.00	5.16		0.00	0.00	-6.49	0.00	0.18	0.00	0.00	0.00	0.00	0.00	42.81			
520931		06-Jun-95	A47	IZY 010	NC	<1.00	11.90	<1.00	0.40		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
520931	(4)	06-Jun-95	A47	IZY 009	NC	<1.00	12.40	<1.00	0.40		<0.30	<1.90	<1.00	<1.00	0.43	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
						0.00	4.03	0.00	0.75		0.00	0.00	0.00	0.00	-83.10	0.00	0.00	0.00	0.00	0.00	0.00			
520931		05-Sep-95	A48	HWC 008	258830	<1.00	17.90	0.68	0.35		<0.30	<1.90	1.25	<1.00	0.59	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
520931	(4)	05-Sep-95	A48	HWC 009	258830	<1.00	18.00	0.58	0.35		<0.30	<1.90	1.23	<1.00	0.64	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
						0.00	0.56	-17.73	-1.45		0.00	0.00	-1.63	0.00	7.87	0.00	0.00	0.00	0.00	0.00	0.00			
PJ#313		11-Sep-95	A48	HWC 014	267619	<1.00	2.61	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
PJ#313	(4)	11-Sep-95	A48	HWC 015	267619	<1.00	2.61	<1.00	<0.50		<0.30	<1.90	<1.00	<1.00	<0.78	<0.50	<1.30	<0.72	<1.00	<1.00	<3.20			
						0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
PJ#318		27-Mar-95	F46	DSE 014	5131-01	<2.41	4.48	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
PJ#318	(4)	27-Mar-95	F46	DSE 015	5131-01	<2.41	4.60	<1.01		<0.89	<1.06	<4.10	<1.16	<1.52	<0.97	<4.63	<1.20	<1.08	<3.94	<4.47	<1.41			
						0.00	2.61	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			

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Appendix D

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Notes: Shading indicates that the water level or quality measurement was not collected. Documentation for the missing data is provided in Appendix A.2. Parentheses following shaded areas indicate the Quarter when the data was collected.

(1) X" denotes a water level measurement.

(2) The numbers represent analytical parameter categories. The individual parameters within each category are outlined in Appendix E.

(3) Just Total Phosphates from Category 4 will be analyzed.

(4) Monitoring for Category 1 to be conducted once every other year, with the next sampling event scheduled for FY 96.

(5) Well to be used for performance monitoring of the OU3 groundwater recovery system which is scheduled to be in operation during FY 94. Water levels will be measured at these wells quarterly during the first two years of operation. In addition, water levels will be measured daily for the first week, and monthly for the first quarter of operation.

(6) Water level will be measured if the wellhead is accessible.

(7) Sample for Category 1 if in production at time of sample collection.

(A) Indicates that the sampling will be conducted by Alliant Techsystems, Inc.
(P) Designates a piezometer.

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Well Information				Groundwater Level Monitoring Plan ①				Groundwater Quality Monitoring Plan ②				
Site	Unit	Well I.D.	Common Name	Q45 OND 94	Q46 JFM 95	Q47 AMJ 95	Q48 JAS 95	Q45 Dec 94	Q46 Mar 95	Q47 Jun 95	Q48 Sep 95	Notes
A	O1U	01U038		---	--X	---	- - X	---	---	---	---	
A	O1U	01U039		---	--X	---	- - X	---	1	---	---	
A	O1U	01U040		---	--X	---	- - X	---	---	---	---	
A	O1U	01U041		---	--X	---	- - X	---	---	---	---	
A	O1U	01U063		---	--X	---	- - X	---	---	---	---	
A	O1U	01U067		---	--X	---	- - X	---	---	---	---	
A	O1U	01U102		--X	--X	--X	- - X	1	1,7	1	1	
A	O1U	01U103		---	--X	---	- - X	---	1	---	---	
A	O1U	01U104		---	--X	---	- - X	---	---	---	---	
A	O1U	01U105		---	--X	---	- - X	---	---	---	---	
A	O1U	01U106		---	--X	---	- - X	---	1	---	---	
A	O1U	01U107		---	--X	---	- - X	---	---	---	---	
A	O1U	01U108		---	--X	---	- - X	---	1	---	1	
A	O1U	01U109		---	--X	---	- - X	---	1,7	---	---	
A	O1U	01U110		---	--X	---	- - X	---	1,7	---	---	
A	O1U	01U115		-X-	X-X	-X-	X - X	1	1	1	1	
A	O1U	01U116		-X-	X-X	-X-	X - X	1	1	1	1	
A	O1U	01U117		--X	--X	--X	- - X	1	1	1	1	
A	O1U	01U118		---	--X	---	- - X	---	1,7	---	---	
A	O1U	01U119		---	--X	---	- - X	---	1	---	---	
A	O1U	01U120		---	--X	---	- - X	---	1	---	---	
A	O1U	01U125		-X-	X-X	-X-	X - X	1	1	1	1	
A	O1U	01U126		---	--X	---	- - X	---	1	---	---	
A	O1U	01U127		---	--X	---	- - X	---	1	---	---	
A	O1U	01U133		---	--X	---	- - X	---	---	---	---	
A	O1U	01U135		---	--X	---	- - X	---	1	---	---	
A	O1U	01U136		---	--X	---	- - X	---	---	---	---	
A	O1U	01U137		---	--X	---	- - X	---	1	---	---	
A	O1U	01U138		-X-	X-X	-X-	X - X	1	1	1	1	
A	O1U	01U139		-X-	X-X	-X-	X - X	1	1,7	1	1	
A	O1U	01U140		-X-	X-X	-X-	X - X	1	1,7	1	1	
A	O1U	01U141		---	--X	---	- - X	---	---	---	---	
A	O1U	01U142		---	---	---	- - -	---	---	---	---	P
A	O1U	01U143		---	---	---	- - -	---	---	---	---	P

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Well Information				Groundwater Level Monitoring Plan ①				Groundwater Quality Monitoring Plan ②				
Site	Unit	Well I.D.	Common Name	Q45 OND 94	Q46 JFM 95	Q47 AMJ 95	Q48 JAS 95	Q45 Dec 94	Q46 Mar 95	Q47 Jun 95	Q48 Sep 95	Notes
A	O1U	01U144		---	---	---	- - -	---	---	---	---	P
A	O1U	01U145		X X X	X X X	X X X	X X X	---	---	---	---	P
A	O1U	01U146		X X X	X X X	X X X	X X X	---	---	---	---	P
A	O1U	01U147		X X X	X X X	X X X	X X X	---	---	---	---	P
A	O1U	01U148		X X X	X X X	X X X	X X X	---	---	---	---	P
A	O1U	01U149		X X X	X X X	X X X	X X X	---	---	---	---	P
A	O1U	01U150		X X X	X X X	X X X	X X X	---	---	---	---	P
A	O1U	01U151		X X X	X X X	X X X	X X X	---	---	---	---	P
A	O1U	01U152		X X X	X X X	X X X	X X X	---	---	---	---	P
A	O1U	01U153		X X X	X X X	X X X	X X X	---	---	---	---	P
A	O1U	01U154		X X X	X X X	X X X	X X X	---	---	---	---	P
A	O1U	01U155		X X X	X X X	X X X	X X X	---	---	---	---	P
A	O1U	01U156		X X X	X X X	X X X	X X X	---	---	---	---	P
A	O1U	01U157		-X-	X-X	-X-	X - X	1	1	1	1	
A	O1U	01U158		-X-	X-X	-X-	X - X	1	1	1	1	
A	O1U	01U350		---	---	---	- - -	---	---	---	---	
A	O1U	01U351		X X X	X X X	X X X	X X X	1,2,3,9	1,2,3,9	1,2,3,9	1,2,3,9	
A	O1U	01U352		X X X	X X X	X X X	X X X	1,2,3,9	1,2,3,9	1,2,3,9	1,2,3,9	
A	O1U	01U353		X X X	X X X	X X X	X X X	1,2,3,9	1,2,3,9	1,2,3,9	1,2,3,9	
A	O1U	01U354		X X X	X X X	X X X	X X X	1,2,3,9	1,2,3,9	1,2,3,9	1,2,3,9	
A	O1U	01U355		X X X	X X X	X X X	X X X	1,2,3,9	1,2,3,9	1,2,3,9	1,2,3,9	
A	O1U	01U356		X X X	X X X	X X X	X X X	1,2,3,9	1,2,3,9	1,2,3,9	1,2,3,9	
A	O1U	01U357		X X X	X X X	X X X	X X X	1,2,3,9	1,2,3,9	1,2,3,9	1,2,3,9	
A	O1U	01U358		X X X	X X X	X X X	X X X	1,2,3,9	1,2,3,9	1,2,3,9	1,2,3,9	
A	O1U	01U901		X X X	X X X	X X X	X X X	1	1	1	1	
A	O1U	01U902		X X X	X X X	X X X	X X X	1	1,7	1	1	
A	O1U	01U903		X X X	X X X	X X X	X X X	1	1,7	1	1,7	
A	O1U	01U904		X X X	X X X	X X X	X X X	1	1,7	1	1,7	
A	O3U	03U023		---	--X(A)	---	- - X(A)	---	1	---	---	

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Well Information				Groundwater Level Monitoring Plan ①				Groundwater Quality Monitoring Plan ②				
Site	Unit	Well I.D.	Common Name	Q45 OND 94	Q46 JFM 95	Q47 AMJ 95	Q48 JAS 95	Q45 Dec 94	Q46 Mar 95	Q47 Jun 95	Q48 Sep 95	Notes
B	O1U	01U011		---	--X	---	--X	---	---	---	---	
B	O1U	01U022		---	--X	---	---	---	---	---	---	
B	O1U	01U033		---	--X	---	---	---	---	---	---	
B	O1U	01U034		---	--X	---	---	---	---	---	---	
B	O1U	01U035		---	--X	---	---	---	---	---	---	
B	O1U	01U036		---	--X	---	---	---	1	---	---	
B	O1U	01U037		---	--X	---	---	---	---	---	---	
B	O1U	01U100		---	--X	---	---	---	---	---	---	
B	O1U	01U101		---	--X	---	---	---	---	---	---	
B	O1U	01U122		---	--X	---	---	---	---	---	---	
B	O3U	03U011		---	--X(A)	---	--X(A)	---	---	---	---	
B	O3U	03U022		---	--X(A)	---	--X(A)	---	---	---	---	
B	O3U	03U082		---	--X(A)	---	--X(A)	---	---	---	---	④
C	O1U	01U043		---	--X	---	---	---	---	---	---	
C	O1U	01U045		---	--X	---	---	---	4	---	---	③
C	O1U	01U046		---	--X	---	---	---	---	---	---	
C	O1U	01U085		---	--X	---	---	---	1	---	---	
C	O3U	03U024		---	--X(A)	---	--X(A)	---	---	---	---	
C	O3U	03U025		---	--X(A)	---	--X(A)	---	---	---	---	
C	O3U	03U083		---	--X(A)	---	--X(A)	---	1,7	---	---	
D	O3U	03U017		---	--X(A)	---	--X(A)	---	1(A)	---	---	
D	O3U	03U018		---	--X(A)	---	--X(A)	---	1(A)	---	---	
D	O3U	03U093		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
D	O3U	03U096		---	--X(A)	---	--X(A)	---	1(A)	---	---	
D	O3U	03U316		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
D	O3U	03U317		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
D	O3U	03U716		---	--X(A)	---	--X(A)	---	---	---	---	
D	O3M	03M017		---	--X(A)	---	--X(A)	---	1(A)	---	---	
D	O3L	03L017		---	--X(A)	---	--X(A)	---	1(A)	---	---	
D	O3L	03L018		---	--X(A)	---	--X(A)	---	1(A)	---	---	

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Well Information				Groundwater Level Monitoring Plan ①				Groundwater Quality Monitoring Plan ②				
Site	Unit	Well I.D.	Common Name	Q45 OND 94	Q46 JFM 95	Q47 AMJ 95	Q48 JAS 95	Q45 Dec 94	Q46 Mar 95	Q47 Jun 95	Q48 Sep 95	Notes
E	O3U	03U015		---	--X(A)	---	--X(A)	---	1	---	---	
E	O3U	03U088		---	--X(A)	---	--X(A)	---	---	---	---	
E	O3U	03U089		---	--X(A)	---	--X(A)	---	1	---	---	
E	O3U	519288	E101-MW	---	--X	---	--X	---	1	---	---	
E	O3U	519289	E102-MW	---	--X	---	--X	---	1	---	---	
E	O3U	519290	E103-MW	---	--X	---	--X	---	1	---	---	
F	O3U	03U019		---	--X(A)	---	--X(A)	---	1	---	---	
F	O3U	03U026		---	--X	---	---	---	1	---	---	
F	O3U	03U092		---	--X(A)	---	--X(A)	---	1	---	---	
F	O3U	03U112		---	--X(A)	---	--X(A)	---	1,4 (cyn)	---	---	
F	O3U	03U113		---	--X(A)	---	--X(A)	---	1	---	---	
F	O3U	03U114		---	--X	---	--X	---	1	---	---	
F	O3U	03U121		---	--X	---	---	---	1,4 (cyn)	---	---	
F	O3L	03L113		---	--X(A)	---	--X(A)	---	1	---	---	
G	O3U	03U014		---	--X(A)	---	--X(A)	---	1(A)	---	---	
G	O3U	03U020		---	--X(A)	---	--X(A)	---	1(A)	---	---	
G	O3U	03U094		---	--X(A)	---	--X(A)	---	1(A)	---	---	
G	O3U	03U314		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
G	O3U	03U315		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
G	O3U	03U715		---	--X(A)	---	--X(A)	---	---	---	---	
G	O3M	03M020		---	--X(A)	---	--X(A)	---	1(A)	---	---	
G	O3L	03L014		---	--X(A)	---	--X(A)	---	---	---	---	
G	O3L	03L020		---	--X(A)	---	--X(A)	---	1(A)	---	---	
G	O4U	04U020		---	--X(A)	---	--X(A)	---	1(A)	---	---	
G	O4U	PJ#074		---	---	---	---	---	---	---	---	
H	O1U	01U060		---	--X	---	---	---	---	---	---	
H	O1U	01U098		---	--X	---	---	---	1	---	---	
H	O3U	03U099		---	--X	---	---	---	1	---	---	

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Well Information				Groundwater Level Monitoring Plan ①				Groundwater Quality Monitoring Plan ②				
Site	Unit	Well I.D.	Common Name	Q45 OND 94	Q46 JFM 95	Q47 AMJ 95	Q48 JAS 95	Q45 Dec 94	Q46 Mar 95	Q47 Jun 95	Q48 Sep 95	Notes
I	O1U	01U004		---	--X	---	--X	---	---	---	---	
I	O1U	01U054		---	---	---	---	---	---	---	---	
I	O1U	01U064		---	--X(A)	---	--X(A)	---	1(A)	---	---	
I	O1U	01U132		---	---	---	---	---	---	---	---	
I	O1U	01U631		---	---	---	---	---	---	---	---	
I	O1U	01U632		---	---	---	---	---	---	---	---	
I	O1U	01U634		---	---	---	---	---	---	---	---	
I	O1U	01U635		---	---	---	---	---	---	---	---	
I	O1U	01U636		---	--X(A)	---	--X(A)	---	1,5(A)	---	---	
I	O1U	01U638		---	---	---	---	---	---	---	---	
I	O1U	01U639		---	--X(A)	---	--X(A)	---	1(A)	---	---	
I	O1U	01U640		---	--X(A)	---	--X(A)	---	1,5(A)	---	---	
I	O1U	01U642		---	---	---	---	---	---	---	---	
I	O1U	01U652		---	---	---	---	---	---	---	---	
I	O1U	01U666		---	---	---	---	---	---	---	---	
I	O1U	01U667		---	---	---	---	---	---	---	---	
I	O1U	01U668		---	---	---	---	---	---	---	---	
I	O1U	01U675		---	---	---	---	---	---	---	---	
I	O1U	482086	I01MW	---	--X(A)	---	--X(A)	---	1(A)	---	---	
I	O1U	482087	I05MW	---	--X(A)	---	--X(A)	---	1(A)	---	---	
I	O1U	482088	I02MW	---	--X(A)	---	--X(A)	---	1(A)	---	---	
I	O1U	482089	I04MW	---	--X(A)	---	--X(A)	---	---	---	---	
I	O1U	482090	I03MW	---	--X(A)	---	--X(A)	---	---	---	---	
I	O3U	03U004		---	--X(A)	---	--X(A)	---	1(A)	---	---	
I	O3U	03U027		---	--X(A)	---	--X(A)	---	1(A)	---	---	
I	O3U	03U028		---	--X(A)	---	--X(A)	---	1(A)	---	---	
I	O3U	03U029		---	--X(A)	---	--X(A)	---	1(A)	---	---	
I	O3U	03U030		---	--X(A)	---	--X(A)	---	1(A)	---	---	
I	O3U	03U301		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
I	O3U	03U647		---	--X(A)	---	--X(A)	---	---	---	---	

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Well Information				Groundwater Level Monitoring Plan ①				Groundwater Quality Monitoring Plan ②				
Site	Unit	Well I.D.	Common Name	Q45 OND 94	Q46 JFM 95	Q47 AMJ 95	Q48 JAS 95	Q45 Dec 94	Q46 Mar 95	Q47 Jun 95	Q48 Sep 95	Notes
I	O3U	03U648		---	--X(A)	---	--X(A)	---	---	---	---	
I	O3U	03U658		---	--X(A)	---	--X(A)	---	1(A)	---	---	
I	O3U	03U659		---	--X(A)	---	--X(A)	---	1(A)	---	---	
I	O3U	03U674		---	--X(A)	---	--X(A)	---	---	---	---	
I	O3U	03U675		---	---	---	---	---	---	---	---	
I	O3U	03U676		---	---	---	---	---	---	---	---	
I	O3M	03M004		---	--X(A)	---	--X(A)	---	---	---	---	
I	O3L	03L004		---	--X(A)	---	--X(A)	---	---	---	---	
I	O3L	03L027		---	--X(A)	---	--X(A)	---	---	---	---	
I	O3L	03L028		---	--X(A)	---	--X(A)	---	---	---	---	
I	O3L	03L029		---	--X(A)	---	--X(A)	---	---	---	---	
I	O3L	03L080		---	--X(A)	---	--X(A)	---	1(A)	---	---	
I	O3F	03F312		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
I	O3U	OW543U3		---	--X(A)	---	--X(A)	---	---	---	---	
I	O4U	04U027		---	--X(A)	---	--X(A)	---	1(A)	---	---	
I	PJ#	PJ#027		---	--X(A)	---	--X(A)	---	---	---	---	
J	O1U	01U003		---	--X	---	--X	---	---	---	---	
J	O1U	01U050		---	--X	---	---	---	---	---	---	
J	O1U	01U051		---	--X	---	---	---	---	---	---	
J	O1U	01U053		---	--X	---	---	---	---	---	---	
J	O1U	01U054		---	--X	---	---	---	---	---	---	
J	O1U	01U062		---	--X	---	---	---	---	---	---	
J	O1U	01U524		---	--X	---	---	---	---	---	---	
J	O1U	01U525		---	--X	---	---	---	---	---	---	
J	O1U	01U526		---	--X	---	---	---	1	---	---	
J	O1U	01U527		---	--X	---	---	---	---	---	---	

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Well Information				Groundwater Level Monitoring Plan ①				Groundwater Quality Monitoring Plan ②				
Site	Unit	Well I.D.	Common Name	Q45 OND 94	Q46 JFM 95	Q47 AMJ 95	Q48 JAS 95	Q45 Dec 94	Q46 Mar 95	Q47 Jun 95	Q48 Sep 95	Notes
K	O1U	01U047		---	--X(A)	---	--X(A)	---	---	---	---	
K	O1U	01U048		---	--X(A)	---	--X(A)	---	---	---	---	
K	O1U	01U052		---	--X(A)	---	--X(A)	---	---	---	---	
K	O1U	01U065		---	--X(A)	---	--X(A)	---	---	---	---	
K	O1U	01U128		---	--X(A)	---	--X(A)	---	1(A)	---	---	
K	O1U	01U601		---	--X(A)	---	--X(A)	---	---	---	---	
K	O1U	01U602		---	--X(A)	---	--X(A)	---	---	---	---	
K	O1U	01U603		---	--X(A)	---	--X(A)	---	---	---	---	
K	O1U	01U604		---	--X(A)	---	--X(A)	---	1(A)	---	---	
K	O1U	01U605		---	--X(A)	---	--X(A)	---	---	---	---	
K	O1U	01U607		---	--X(A)	---	--X(A)	---	---	---	---	
K	O1U	01U608		---	--X(A)	---	--X(A)	---	---	---	---	
K	O1U	01U609		---	--X(A)	---	--X(A)	---	---	---	---	
K	O1U	01U611		---	--X(A)	---	--X(A)	---	1(A)	---	---	
K	O1U	01U612		---	--X(A)	---	--X(A)	---	---	---	---	
K	O1U	01U613		---	--X(A)	---	--X(A)	---	---	---	---	
K	O1U	01U615		---	--X(A)	---	--X(A)	---	1(A)	---	---	
K	O1U	01U616		---	--X(A)	---	--X(A)	---	---	---	---	
K	O1U	01U617		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
K	O1U	01U618		---	--X(A)	---	--X(A)	---	1(A)	---	---	
K	O1U	01U619		---	--X(A)	---	--X(A)	---	1(A)	---	---	
K	O1U	01U620		---	--X(A)	---	--X(A)	---	---	---	---	
K	O1U	01U621		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
K	O1U	01U622		---	--X(A)	---	--X(A)	---	---	---	---	
K	O1U	01U623		---	--X(A)	---	--X(A)	---	---	---	---	
K	O1U	01U624		---	--X(A)	---	--X(A)	---	---	---	---	
K	O1U	01U625		---	--X(A)	---	--X(A)	---	---	---	---	
K	O1U	01U626		---	--X(A)	---	--X(A)	---	---	---	---	
K	O1U	01U627		---	--X(A)	---	--X(A)	---	---	---	---	
K	O1U	01U628		---	--X(A)	---	--X(A)	---	---	---	---	
K	O1U	482083	K04-MW	---	--X(A)	---	--X(A)	---	1(A)	---	---	
K	O1U	482084	K02-MW	---	--X(A)	---	--X(A)	---	---	---	---	
K	O1U	482085	K01-MW	---	--X(A)	---	--X(A)	---	---	---	---	

APPENDIX D
FY 95 Annual Monitoring Plan

Well Information				Groundwater Level Monitoring Plan ①				Groundwater Quality Monitoring Plan ②				
Site	Unit	Well I.D.	Common Name	Q45 OND 94	Q46 JFM 95	Q47 AMJ 95	Q48 JAS 95	Q45 Dec 94	Q46 Mar 95	Q47 Jun 95	Q48 Sep 95	Notes
K	O3U	03U013		---	--X(A)	---	--X(A)	---	---	---	---	
K	O3U	03U075		---	--X(A)	---	--X(A)	---	1(A)	---	---	
K	O3U	03U076		---	--X(A)	---	--X(A)	---	---	---	---	
K	O3M	03M013		---	--X(A)	---	--X(A)	---	---	---	---	
K	O3L	03L013		---	--X(A)	---	--X(A)	---	---	---	---	
129-3	O3U	03U087		---	--X(A)	---	--X(A)	---	1,4 (cyn)	---	---	
129-3	O3U	03U521		---	--X	---	---	---	---	---	---	
129-5	O1U	01U072		---	--X	---	---	---	---	---	---	
129-5	O3U	03U097		---	--X	---	---	---	1	---	---	
129-5	O3U	03U111		---	--X(A)	---	--X(A)	---	---	---	---	
129-5	O3U	03U129		---	--X	---	---	---	---	---	---	
129-15	O3U	03U016		---	--X(A)	---	--X(A)	---	1	---	---	
129-15	O3U	03U032		---	--X(A)	---	--X(A)	---	1	---	---	
129-15	O3U	03U090		---	--X(A)	---	--X(A)	---	1	---	---	
129-15	O3U	03U124		---	--X	---	--X	---	1	---	---	
129-15	O3U	519291	1291501-MW	---	--X	---	--X	---	1	---	---	
129-15	O3L	03L091		---	--X	---	---	---	1	---	---	
SWB	O1U	01U062		DUPLICATE ENTRY - See Site J								
SWB	O1U	01U803		---	---	---	---	---	---	---	---	
SWB	O1U	01U805		---	---	---	---	---	---	---	---	
SWB	O1U	01U806		---	---	---	---	---	---	---	---	
SWB	O1U	01U807		---	---	---	---	---	---	---	---	
SWB	O3U	03U001		---	--X(A)	---	--X(A)	---	---	---	---	
SWB	O3U	03U002		---	--X(A)	---	--X(A)	---	---	---	---	
SWB	O3U	03U003		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
SWB	O3U	03U021		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	O3U	03U077		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	O3U	03U078		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	O3U	03U079		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	O3U	03U084		---	--X(A)	---	--X(A)	---	1(A)	---	---	

APPENDIX D
FY 95 Annual Monitoring Plan

Well Information				Groundwater Level Monitoring Plan ①				Groundwater Quality Monitoring Plan ②				
Site	Unit	Well I.D.	Common Name	Q45 OND 94	Q46 JFM 95	Q47 AMJ 95	Q48 JAS 95	Q45 Dec 94	Q46 Mar 95	Q47 Jun 95	Q48 Sep 95	Notes
SWB	O3U	03U671		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	O3U	03U672		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
SWB	O3U	03U673		--X(A)	--X(A)	--X(A)	--X(A)	---	1(A)	---	1(A)	⑤
SWB	O3U	03U701		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	O3U	03U702		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	O3U	03U703		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	O3U	03U708		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	O3U	03U709		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	O3U	03U710		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	O3U	03U711		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
SWB	O3U	03U801		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	O3U	03U803		---	--X(A)	---	--X(A)	---	---	---	---	
SWB	O3U	03U804		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	O3U	03U805		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	O3U	03U806		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
SWB	O3U	409550	PCA 6U3	---	--X(A)	---	--X(A)	---	1(A) (Q47)	---	1(A)	
SWB	O3M	03M001		---	--X(A)	---	--X(A)	---	---	---	---	
SWB	O3M	03M002		---	--X(A)	---	--X(A)	---	---	---	---	
SWB	O3M	03M003		---	--X(A)	---	--X(A)	---	---	---	---	
SWB	O3M	03M713		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	O3M	03M802		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	O3M	03M806		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	O3L	03L001		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
SWB	O3L	03L002		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	O3L	03L003		---	--X(A)	---	--X(A)	---	---	---	---	
SWB	O3L	03L021		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	O3L	03L077		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	O3L	03L078		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	O3L	03L079		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	O3L	03L084		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	O3L	03L673		--X(A)	--X(A)	--X(A)	--X(A)	---	1(A)	---	---	⑤
SWB	O3L	03L802		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
SWB	O3L	03L806		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
SWB	O3L	03L833		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	

APPENDIX D
FY 95 Annual Monitoring Plan

Well Information				Groundwater Level Monitoring Plan ①				Groundwater Quality Monitoring Plan ②				
Site	Unit	Well I.D.	Common Name	Q45 OND 94	Q46 JFM 95	Q47 AMJ 95	Q48 JAS 95	Q45 Dec 94	Q46 Mar 95	Q47 Jun 95	Q48 Sep 95	Notes
SWB	O3F	03F302		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
SWB	O3F	03F303		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
SWB	O3F	03F304		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
SWB	O3F	03F305		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
SWB	O3F	03F306		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
SWB	O3F	03F307		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
SWB	O3F	03F308		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
SWB	O3F	03F312		DUPLICATE ENTRY - See Site I								
SWB	O4U	04U001		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
SWB	O4U	04U002		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	O4U	04U003		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
SWB	O4U	04U077		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	O4U	04U673		--X(A)	--X(A)	--X(A)	--X(A)	---	1(A)	---	1(A)	⑤
SWB	O4U	04U701		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	O4U	04U702		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	O4U	04U708		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	O4U	04U709		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	O4U	04U711		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
SWB	O4U	04U713		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	O4U	04U714		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
SWB	O4U	04U802		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	O4U	04U806		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
SWB	O4U	04U833		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
SWB	O4J	04J077		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	O4J	04J702		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	O4J	04J708		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	O4J	04J713		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	O4J	04J714		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	

APPENDIX D
FY 95 Annual Monitoring Plan

Well Information				Groundwater Level Monitoring Plan ①				Groundwater Quality Monitoring Plan ②				
Site	Unit	Well I.D.	Common Name	Q45 OND 94	Q46 JFM 95	Q47 AMJ 95	Q48 JAS 95	Q45 Dec 94	Q46 Mar 95	Q47 Jun 95	Q48 Sep 95	Notes
SWB	PJ#	PJ#003		---	--X(A)	---	--X(A)	---	1(A)	---	---	
SWB	PJ#	PJ#309		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
SWB	PJ#	PJ#310		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
SWB	PJ#	PJ#311		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
SWB	PJ#	PJ#313		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
SWB	PJ#	PJ#802		---	--X(A)	---	--X(A)	---	---	---	---	
SWB	PJ#	PJ#806		---	--X(A)	---	--X(A)	---	1(A)	---	---	
GP	O3U	03U704		---	--X(A)	---	--X(A)	---	1(A)	---	---	
GP	O3U	03U705		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
GP	O3U	03U706		---	--X(A)	---	--X(A)	---	1(A)	---	1(A)	
GP	O3U	03U707		---	--X(A)	---	--X(A)	---	1(A)	---	---	
GP	SG	Staff Gauge 1		---	--X(A)	---	--X(A)	---	---	---	---	
GP	SG	Staff Gauge 2		---	--X(A)	---	--X(A)	---	---	---	---	
GP	SG	Staff Gauge 3		---	--X(A)	---	--X(A)	---	---	---	---	
BRV	O3U	03U005		---	--X(A)	---	--X(A)	---	1	---	---	
BRV	O3M	03M005		---	--X(A)	---	--X(A)	---	1	---	---	
BRV	O3L	03L005		---	--X(A)	---	--X(A)	---	1	---	---	
BRV	O3L	03L081		---	--X(A)	---	--X(A)	---	1	---	---	
BRV	O3L	03L137		---	--X	---	--X	---	---	---	---	
BRV	O3L	03L138		---	--X	---	--X	---	1	---	---	
MISC	O1U	01U012		---	--X	---	--X	---	---	---	---	
MISC	O1U	01U044		---	--X	---	---	---	---	---	---	
MISC	O1U	01U130		---	--X	---	---	---	---	---	---	
MISC	O1U	01U131		---	---	---	---	---	---	---	---	
MISC	O3U	03U006		---	--X(A)	---	--X(A)	---	---	---	---	
MISC	O3U	03U007		---	--X(A)	---	--X(A)	---	---	---	---	④
MISC	O3U	03U008		---	--X(A)	---	--X(A)	---	---	---	---	
MISC	O3U	03U009		---	--X(A)	---	--X(A)	---	---	---	---	④
MISC	O3U	03U010		---	--X(A)	---	--X(A)	---	---	---	---	
MISC	O3U	03U012		---	--X(A)	---	--X(A)	---	---	---	---	
MISC	O3U	03U031		---	--X(A)	---	--X(A)	---	1(A)	---	---	

APPENDIX D
FY 95 Annual Monitoring Plan

Well Information				Groundwater Level Monitoring Plan ①				Groundwater Quality Monitoring Plan ②				
Site	Unit	Well I.D.	Common Name	Q45 OND 94	Q46 JFM 95	Q47 AMJ 95	Q48 JAS 95	Q45 Dec 94	Q46 Mar 95	Q47 Jun 95	Q48 Sep 95	Notes
MISC	O3M	03M007		---	--X(A)	---	--X(A)	---	---	---	---	
MISC	O3M	03M010		---	--X(A)	---	--X(A)	---	---	---	---	
MISC	O3M	03M012		---	--X(A)	---	--X(A)	---	---	---	---	
MISC	O3L	03L007		---	--X(A)	---	--X(A)	---	---	---	---	④
MISC	O3L	03L010		---	--X(A)	---	--X(A)	---	---	---	---	
MISC	O3L	03L012		---	--X(A)	---	--X(A)	---	---	---	---	
MISC	O3L	03L086		---	--X	---	---	---	---	---	---	
MISC	O4U	04U007		---	--X(A)	---	--X(A)	---	---	---	---	④
MISC	O4U	04U012		---	--X(A)	---	--X(A)	---	---	---	---	
MISC	O4U	04U510		---	--X(A)	---	--X(A)	---	---	---	---	④
MISC	PJ#	PJ#501		---	---	---	---	---	---	---	---	
MISC	PJ#	PJ#502		---	---	---	---	---	---	---	---	
MISC	PJ#	PJ#503		---	---	---	---	---	---	---	---	
OP	O1L	01L811		---	--X	---	---	---	---	---	---	
OP	O1L	01L813		---	--X	---	---	---	---	---	---	
OP	O1L	01L816		---	--X	---	---	---	---	---	---	
OP	O1L	01L821		---	--X	---	---	---	---	---	---	
OP	O1L	01L822		---	--X	---	---	---	---	---	---	
OP	O1L	01L823		---	--X	---	---	---	---	---	---	
OP	O1U	01U803		---	---	---	---	---	---	---	---	
OP	O1U	01U807		---	---	---	---	---	---	---	---	
OP	O1U	01U813		---	---	---	---	---	---	---	---	
OP	O3L	03L809		---	--X(A)	---	--X(A)	---	1	---	---	
OP	O3L	03L811		---	--X	---	---	---	1	---	---	
OP	O3L	03L813		---	--X	---	---	---	---	---	---	
OP	O3L	03L822		---	--X	---	---	---	1	---	---	
OP	O3L	03L832		--X(A)	--X(A)	--X(A)	--X(A)	---	1(A)	---	---	⑤
OP	O3L	03L841		--X(A)	--X(A)	--X(A)	--X(A)	---	1	---	---	⑤
OP	O3L	03L846		---	--X	---	---	---	1	---	---	
OP	O3L	03L848		--X(A)	--X(A)	--X(A)	--X(A)	---	1(A)	---	---	⑤
OP	O3L	03L853		---	--X	---	---	---	1	---	---	
OP	O3L	03L854		--X(A)	--X(A)	--X(A)	--X(A)	---	1	---	---	⑤
OP	O3L	03L856		---	--X	---	---	---	1	---	---	

APPENDIX D
FY 95 Annual Monitoring Plan

Well Information				Groundwater Level Monitoring Plan ①				Groundwater Quality Monitoring Plan ②				
Site	Unit	Well I.D.	Common Name	Q45 OND 94	Q46 JFM 95	Q47 AMJ 95	Q48 JAS 95	Q45 Dec 94	Q46 Mar 95	Q47 Jun 95	Q48 Sep 95	Notes
OP	O3L	03L858		---	--X	---	---	---	1	---	---	
OP	O3L	03L859		--X(A)	--X(A)	--X(A)	--X(A)	---	1(A)	---	---	⑤
OP	O3L	03L860		--X(A)	--X(A)	--X(A)	--X(A)	---	1(A)	---	---	⑤
OP	O3L	03L861		--X(A)	--X(A)	--X(A)	--X(A)	---	1(A)	---	---	⑤
OP	O3L	234425	Gerebi	Denied Access				Denied Access				
OP	O3L	409546	PCA2L3	--X(A)	--X(A)	--X(A)	--X(A)	---	1	---	---	⑤
OP	O3L	409556	PCA4L3	---	--X	---	---	---	1	---	---	
OP	O3L	409557	PCA1L3	--X(A)	--X(A)	--X(A)	--X(A)	---	1(A)	---	---	⑤
OP	O3L	409597	BS118L3	---	--X	---	---	---	1	---	---	
OP	O3L	MW15H	MW15H	--X(A)	--X(A)	--X(A)	--X(A)	---	1(A)	1(A)	1(A)	⑤
OP	O3M	03M843		---	--X	---	--X	---	1	---	---	
OP	O3M	03M848		--X(A)	--X(A)	--X(A)	--X(A)	---	1	---	---	⑤
OP	O3U	03U811		---	--X	---	---	---	1	---	---	
OP	O3U	03U815		---	--X	---	---	---	---	---	---	
OP	O3U	03U821		---	--X	---	---	---	1	---	---	
OP	O3U	03U822		---	--X	---	---	---	1	---	---	
OP	O3U	03U824		---	--X	---	---	---	1	---	---	
OP	O3U	03U831		---	--X	---	---	---	1	---	---	
OP	O3U	03U832		--X(A)	--X(A)	--X(A)	--X(A)	---	1	---	---	⑤
OP	O3U	234352	1206 12th Av. NW	---	---	---	---	---	1	---	---	
OP	O3U	409596	BS118U3	---	--X	---	---	---	1	---	---	
OP	LH/PC	206787	MV High School	Not Accessible				---	1	---	---	
OP	SP	200814	Amer. Linen	---	---	---		---	---	---	---	
OP	SP/PC/J	233222	Lowry Gr. Trail.	Well Abandoned								
OP	PC	04U821		---	--X	---	--X	---	1	---	---	
OP	PC	04U832		--X(A)	--X(A)	--X(A)	--X(A)	---	1(A)	---	---	⑤
OP	PC	04U834		---	--X	---	---	---	1	---	1	
OP	PC	04U841		--X(A)	--X(A)	--X(A)	--X(A)	---	1	---	---	⑤
OP	PC	04U843		---	--X	---	---	---	1	---	---	
OP	PC	04U844		--X(A)	--X(A)	--X(A)	--X(A)	---	1	---	---	⑤
OP	PC	04U845		--X(A)	--X(A)	--X(A)	--X(A)	---	1(A)	---	---	⑤
OP	PC	04U846		--X(A)	--X(A)	--X(A)	--X(A)	---	1	---	---	⑤
OP	PC	04U847		---	--X(A)	---	--X(A)	---	1	---	1	
OP	PC	04U848		--X(A)	--X(A)	--X(A)	--X(A)	---	1(A)	---	---	⑤

APPENDIX D
FY 95 Annual Monitoring Plan

Well Information				Groundwater Level Monitoring Plan ①				Groundwater Quality Monitoring Plan ②				
Site	Unit	Well I.D.	Common Name	Q45 OND 94	Q46 JFM 95	Q47 AMJ 95	Q48 JAS 95	Q45 Dec 94	Q46 Mar 95	Q47 Jun 95	Q48 Sep 95	Notes
OP	PC	04U849		---	--X	---	---	---	1	---	---	
OP	PC	04U850		---	--X	---	---	---	1	---	---	
OP	PC	04U851		--X(A)	--X(A)	--X(A)	--X(A)	---	1(A)	---	---	⑤
OP	PC	04U852		--X(A)	--X(A)	--X(A)	--X(A)	---	1	---	---	⑤
OP	PC	04U854		--X(A)	--X(A)	--X(A)	--X(A)	---	1(A)	---	---	
OP	PC	04U855		---	--X	---	---	---	1	---	---	
OP	PC	04U859		--X(A)	--X(A)	--X(A)	--X(A)	---	1(A)	---	---	⑤
OP	PC	04U860		--X(A)	--X(A)	--X(A)	--X(A)	---	1(A)	---	---	⑤
OP	PC	04U861		--X(A)	--X(A)	--X(A)	--X(A)	---	1(A)	---	---	⑤
OP	PC	04U871		---	--X	---	---	---	1	---	---	
OP	PC	04U872		---	--X	---	---	---	1	---	---	
OP	PC	04U875		---	--X	---	---	---	1	---	---	
OP	PC	04U877		--X(A)	--X(A)	--X(A)	--X(A)	---	1	---	---	⑤
OP	PC	04U879		---	--X	---	---	---	1	---	---	
OP	PC	04U880		---	--X	---	---	---	1	---	---	
OP	PC	04U881		---	--X	---	---	---	1	---	---	
OP	PC	04U882		---	--X	---	---	---	1	---	1	
OP	PC	04U883		---	--X	---	---	---	1	---	---	
OP	PC	200154	UM Golf Course	---	---	---	---	---	---	---	---	
OP	PC	206688	Cloverpond	Denied Access				Denied Access				
OP	PC	233533	Roselawn Cem.	---	---	---	---	---	---	---	---	
OP	PC	234319	Hide & Tallow #1	---	---	---	---	---	---	---	---	
OP	PC	234547	Hnywell Ridgway	Not Accessible				---	1	---	---	
OP	PC	04U863	323U4	--X(A)	--X(A)	--X(A)	--X(A)	---	1(A)	1(A)	1(A)	⑤
OP	PC	04U864	324U4	--X(A)	--X(A)	--X(A)	--X(A)	---	1(A)	1(A)	1(A)	⑤
OP	PC	04U865	325U4	--X(A)	--X(A)	--X(A)	--X(A)	---	1(A)	1(A)	1(A)	⑤
OP	PC	04U866	326U4	--X(A)	--X(A)	--X(A)	--X(A)	---	1(A)	1(A)	1(A)	⑤
OP	PC	409547	PCA1U4	--X(A)	--X(A)	--X(A)	--X(A)	---	1(A)	---	---	⑤
OP	PC	409548	PCA2U4	--X(A)	--X(A)	--X(A)	--X(A)	---	1(A)	---	---	⑤
OP	PC	409549	PCA3U4	--X(A)	--X(A)	--X(A)	--X(A)	---	1	---	---	
OP	PC	409555	PCA5U4	---	--X	---	---	---	1	---	---	
OP	PC	500691	414U4	--X(A)	--X(A)	--X(A)	--X(A)	---	1(A)	1(A)	1(A)	⑤
OP	PC	512761	Gross Golf Course #2	---	--X	---	---	---	1(Q48)	---	---	⑥

APPENDIX D
FY 95 Annual Monitoring Plan

Well Information				Groundwater Level Monitoring Plan ①				Groundwater Quality Monitoring Plan ②				
				Q45	Q46	Q47	Q48	Q45	Q46	Q47	Q48	
Site	Unit	Well I.D.	Common Name	OND 94	JFM 95	AMJ 95	JAS 95	Dec 94	Mar 95	Jun 95	Sep 95	Notes
OP	PC/J	200148	Paper Calmenson	Pump Decommissioned - No Access				Pump Decommissioned - No Access				
OP	PC/J	200804	St. Anthony #3	Denied Access				Denied Access				
OP	PC/J	200812	Gross Golf	Not Accessible				---	1	---	1	
OP	PC/J	206793	New Brighton #3	Not Accessible				---	1	---	---	
OP	PC/J	235539	Old Hotel	---	---	---	---	---	---	---	---	
OP	PC/J	520931	0U3 Extraction Well	--X(A)	--X(A)	--X(A)	--X(A)	1(A)	1(A)	1(A)	1(A)	
OP	PC/J	PJ#318		---	--X	---	---	---	1	---	---	
OP	J	04J834		---	--X	---	---	---	1	---	1	
OP	J	04J835		---	--X	---	---	---	1	---	1	
OP	J	04J882		---	--X	---	---	---	1	---	1	
OP	J	200076	Old Dutch	---	--X	---	---	---	1	---	---	⑥
OP	J	200524	St. Anthony #5	Denied Access				Denied Access				
OP	J	200803	St. Anthony #4	Denied Access				Denied Access				
OP	J	201082	NW Hospital	---	---	---	---	---	---	---	---	
OP	J	206791	New Brighton #7	Not Accessible				---	1	---	---	
OP	J	206797	New Brighton #6	---	--X	---	---	---	1	---	---	⑥
OP	J	231845	MNDOT	Not Accessible				---	---	---	---	
OP	J	04J864	324 J	--X(A)	--X(A)	--X(A)	--X(A)	---	1(A)	1(A)	1(A)	
OP	J	04J866	326 J	--X(A)	--X(A)	--X(A)	--X(A)	---	1(A)	1(A)	1(A)	
OP	PC/J/SL	233221	Reuben Meats	Not Accessible				---	---	---	---	
OP	MS/H	NB#10	New Brighton #10	---	--X	---	--X	---	1	---	---	⑦
OP	MS/H	NB#11	New Brighton #11	---	--X	---	--X	---	1	---	---	⑦
OP	MS/H	NB#8	New Brighton #8	---	--X	---	--X	---	1	---	---	⑦
OP	MS/H	NB#9	New Brighton #9	---	--X	---	--X	---	1	---	---	⑦
OP	UNK	134318	Seutter	---	---	---	---	---	---	---	---	
OP	UNK	191942	Model Stone	---	---	---	---	---	---	---	---	
OP	UNK	200264		---	---	---	---	---	---	---	---	

APPENDIX D
FY 95 Annual Monitoring Plan

Well Information				Groundwater Level Monitoring Plan ①				Groundwater Quality Monitoring Plan ②				
Site	Unit	Well I.D.	Common Name	Q45 OND 94	Q46 JFM 95	Q47 AMJ 95	Q48 JAS 95	Q45 Dec 94	Q46 Mar 95	Q47 Jun 95	Q48 Sep 95	Notes
OP	UNK	234335	Mengelkoch #1	---	---	---	---	---	---	---	---	
OP	UNK	234337	Mengelkoch #3	---	---	---	---	---	---	---	---	
OP	UNK	234353	Lentsch Ice	---	---	---	---	---	---	---	---	
OP	UNK	234356	Nordquist P43	---	---	---	---	---	---	---	---	
OP	UNK	234357	Phillips Pet.	---	---	---	---	---	---	---	---	
OP	UNK	234430	Cmiel	---	---	---	---	---	---	---	---	
OP	UNK	234463	Solie	---	---	---	---	---	---	---	---	
OP	UNK	234546	Hnywell Ridgway	Not Accessible				---	1	---	---	
OP	UNK	405651	Metal-Matic	Not Accessible				---	---	---	---	
OP	UNK	BOYLE		---	---	---	---	---	---	---	---	
OP	UNK	110485	New Brighton #12	---	--X	---	--X	---	1	---	---	⑦
OP	UNK	206792	New Brighton #4	---	--X	---	--X	---	1	---	---	⑦
OP	UNK	206796	New Brighton #5	---	--X	---	--X	---	1	---	---	⑦

APPENDIX D
FY 95 Annual Monitoring Plan

Well Information				Groundwater Level Monitoring Plan ①				Groundwater Quality Monitoring Plan ②				
				Q45	Q46	Q47	Q48	Q45	Q46	Q47	Q48	
Site	Unit	Well I.D.	Common Name	OND 94	JFM 95	AMJ 95	JAS 95	Dec 94	Mar 95	Jun 95	Sep 95	Notes

ANNUAL MONITORING PLAN NOTES:

① X" denotes a water level measurement.
② The numbers represent analytical parameter categories. The individual individual parameters within each category are outlined in Appendix E.
③ Just Total Phosphates from Category 4 will be analyzed.
④ Monitoring for Category 1 to be conducted once every other year, with the next sampling event scheduled for FY 96.
⑤ Well to be used for performance monitoring of the 0U3 groundwater recovery system which is scheduled to be in operation during FY 94. Water levels will be measured at these wells quarterly during the first two years of operation. In addition, water levels will be measured daily for the first week, and monthly for the first quarter of operation.
⑥ Water level will be measured if the wellhead is accessible.
⑦ Sample for Category 1 if in production at time of sample collection.

(A) Indicates that the sampling will be conducted by Alliant Techsystems, Inc.
(P) Designates a piezometer.

APPENDIX E

Appendix E

Groundwater Monitoring Chemical Analysis Categories

USAEC CHEMICAL ANALYSIS CATEGORIES

CATEGORY 1

Carbon Tetrachloride	CCL4
Chloroform	CHCL3
Methylene Chloride	CH2CL2
Vinyl Chloride	C2H3CL
Tetrachloroethylene	TCLEE
Trichloroethylene	TRCLE
1,1-Dichloroethylene	11DCE
1,1-Dichloroethane	11DCLE
1,1,1-Trichloroethane	111TCE
1,1,2-Trichlorethane	112TCE
1,1,2-Trichlorotrifluoroethane	TCLTFE
1,2-Dichloroethylene	12DCE
1,2-Dichloroethane	12DCLE
1,2-Dichloropropane	12DCLP

For Sites I and K, 1,2-Dichloroethylene (12DCE) is replaced by cis-1,2-Dichloroethylene (C12DCE) and trans-1,2-Dichloroethylene (T12DCE)

CATEGORY 2

Antimony	SB
Arsenic	AS
Barium	BA
Beryllium	BE
Cadmium	CD
Chromium	CR
Copper	CU
Lead	PB
Manganese	MN
Nickel	NI
Selenium	SE
Silver	AG
Thallium	TL

CATEGORY 3

Mercury	HG

USAEC CHEMICAL ANALYSIS CATEGORIES
(continued)

CATEGORY 4	
Cyanide	CYN
Nitrate/Nitrite	NIT
Orthophosphate	PO4ORT
Total Phosphates	TPO4
CATEGORY 5	
Dibutylchlorenadate	DBUCLE
PCB1016	PCB016
PCB1242	PCB242
PCB1248	PCB248
PCB1254	PCB254
PCB1260	PCB260
CATEGORY 6	
Nitrobenzene	NBD5
Phenol-D6	PHEND6
Terphenyl-D14	TRPD14
Toluene	MEC6D8
2-Fluorobiphenyl	2FBP
2-Fluorophenol	2FP
1,2-Dichloroethane-D4	12DCD4
4-Bromofluorobenzene	4BFB
2,4,6-Tribromophenol	246TBP
CATEGORY 7	
Benzene	C6H6
Toluene	MEC6H5
Total Xylenes	TXYLEN
CATEGORY 8	
Radionuclides	
CATEGORY 9	
Zinc	Zn
CATEGORY 10	
Miscellaneous, Non-Specific	

APPENDIX F

Appendix F

TGRS Hydraulic Data

Appendix F.1

Historical TGRS, TCAAP Groundwater Elevations (Ft. AMSL)

APPENDIX F.1

HISTORICAL TGRS, TCAAP GROUNWATER ELEVATIONS (FT. AMSL)

Location On TCAAP	*TOC Elevation*	*4/2/87*	*9/8/87*	*11/17/87*	*11/24/87*	*11/30/87*	*12/14/87*	*1/11/88*	*5/2/88*	*5/20/88*	*6/23/88*	*7/27/88*	*9/1/88*
03U001	891.20	852.02		849.70	849.31	849.70	849.42	849.72	849.46	848.82	846.24	845.16	844.82
03M001	890.76	852.63	849.40	849.77	849.36	849.76	849.47	849.88	849.52	848.90	846.44	845.51	845.06
03L001	891.37	852.69	849.42	849.70	849.32	849.71	849.41	849.67	849.52	848.87	846.42	845.22	844.86
04U001	891.28	852.04		849.58	849.21	849.58	849.28	849.55	849.38	848.73	846.28	845.12	844.76
03U002	919.89	855.62	852.55	851.34	850.94	851.00	850.76	851.20	851.53	850.84	850.22	848.91	847.51
03M002	922.40	855.29	852.50	850.67	850.35		850.35	850.66	850.94	850.43	849.46	848.35	847.89
03L002	922.21	855.24	852.44	850.60	850.26	850.68	850.29	850.61	850.90	850.34	849.38	848.30	847.84
04U002	923.18	855.02	852.33	850.55	850.22	850.57	850.23	850.58	850.82	850.29	849.26	848.09	847.73
03U003	945.00			852.82	852.47	852.56	852.42	852.26	853.42	852.77	852.34	850.84	849.44
03M003	945.55	856.93	854.24	852.75	849.50		852.40	852.35	853.31	852.68	852.15	850.75	849.35
03L003	946.83	857.01	854.24	852.78	852.65	852.63	852.48	852.62	853.20	852.68	851.95	850.55	849.27
04U003	946.07	853.95	850.93	849.92	849.75	849.84	849.65	850.02	850.08	849.62	848.44	847.59	846.45
PJ#003	946.47						849.20		849.60	849.05		846.50	845.77
03U004	953.00	860.67	857.42	857.02	856.77	856.94	856.72	857.05	857.32	856.90	855.93	854.55	853.34
03M004	952.55	859.00	856.12	855.67	855.39	855.56	855.35	855.74	855.91	855.50	854.49	853.10	851.95
03L004	952.02	857.98	855.09	854.63	854.37	854.54	854.32	854.69	854.89	854.46	853.46	852.07	850.92
03U005	973.07	860.51				857.22	857.04		857.39	857.00	855.85	854.32	853.42
03M005	974.52								857.46	857.05	856.30	854.32	853.43
03L005	974.08	860.44				857.31	857.13		857.48	857.08	855.40	854.35	853.43
03U006	969.09	862.36	858.91		858.12	858.64	858.29	858.94	858.84	858.50	857.42	856.09	854.94
03U007	902.63	863.23	859.27		859.40	859.88	859.62	860.13	859.68	859.33	856.95	855.45	855.07
03M007	903.77				859.33		859.57	860.06	859.61	859.27	856.92	855.42	855.03
03L007	904.41				859.00		859.25	859.70	859.20	858.92	856.52	855.09	854.86
04U007	905.50	862.38			858.70	859.24	858.90	859.29	858.77	858.60	856.30	854.90	854.66
03U008	917.36	867.30	862.85		863.66	864.14	864.04	864.61	863.57	862.93	858.46	856.72	857.76
03U009	915.25	868.42			865.59	865.97	865.90	866.36	864.90	864.43	859.08	857.47	859.50
03U010	891.00	868.57	869.24		865.55	865.87	865.85	866.27	864.95	864.48	859.15	857.65	859.48
03M010	891.46				865.51		865.81	866.23	864.91	864.46	859.11	857.63	859.49
03L010	891.76				865.60		865.86	866.27	864.91	864.45	859.11	857.66	859.51
03U011	902.99	865.74	861.67		862.89	863.14	863.30	863.56	862.78	862.35	858.28	856.64	857.47
03U012	882.83	862.24	858.28	859.58	859.54	859.89	859.80	860.12	859.28	858.80	854.67	853.50	854.29
03M012	882.73			859.67	859.53		859.78	860.15	859.26	858.78	854.65	853.48	854.28
03L012	882.63			859.61	859.48		859.75	860.00	859.21	858.73	854.61	853.43	854.25
04U012	882.78	862.12		859.56	859.42	859.77	859.67	860.00	859.15	858.67	854.56	853.38	854.18
03U013	893.02	855.52	852.08	852.72	852.41	852.77	852.59	852.86	852.42	851.89	849.04	847.87	847.90
03M013	892.40		852.00	852.65	852.33		852.52	852.78	852.34	851.81	848.95	847.78	847.80
03L013	892.60		851.88	852.48	852.15		852.33	851.83	852.15	851.65	848.76	847.63	847.65

APPENDIX F.1

HISTORICAL TGRS, TCAAP GROUNWATER ELEVATIONS (FT. AMSL)

Location On TCAAP	*TOC Elevation*	*4/2/87*	*9/8/87*	*11/17/87*	*11/24/87*	*11/30/87*	*12/14/87*	*1/11/88*	*5/2/88*	*5/20/88*	*6/23/88*	*7/27/88*	*9/1/88*
03U014	990.27	860.25	856.99	856.67	856.55	856.62	856.77	856.83	857.01	855.46	855.72	854.22	853.05
03L014	991.57		856.93	856.86	856.72		857.00	857.03	857.12	857.96	855.44	853.96	852.95
03U015	937.68	859.96	856.58	856.87	856.78	856.91	857.02	857.18	857.12	856.69	854.84	853.46	852.68
03U016	950.05	862.13			858.95	859.02	859.20	859.35	859.19	858.90	857.14	855.34	854.70
03U017	941.31	857.76	854.64	854.22	853.95		854.27	854.27	854.44	853.95	852.71	851.21	850.14
03M017	941.93	857.61	854.64	854.22	853.93			854.24	854.41	853.92	852.67	851.22	850.13
03L017	942.07	857.62	854.63	854.20	853.83		854.24	866.42	854.42	853.91	852.67	851.12	850.12
03U018	991.62	859.96	856.66		856.48	856.54	856.67	856.77	856.90	856.53	855.34	853.81	852.67
03L018	991.49	859.68	856.54		856.36	856.42	856.52	856.67	856.77	856.38	855.10	853.59	852.57
03U019	946.54	860.88			857.58	857.68	857.69	857.94	857.94	857.64	856.55	854.97	853.90
03U020	955.70	858.27	854.79	854.57	854.44	854.44	854.34	854.64	854.95	854.42	853.48	851.95	850.75
03M020	957.03	858.10	855.07	854.56	854.43	854.45	854.33	854.56	854.88	854.38	853.39	851.91	850.73
03L020	956.73	858.01	854.96	854.47	854.35	854.34	854.23	854.48	854.80	854.31	853.31	851.83	850.68
04U020	957.86	857.72	854.49	854.13	854.00	854.00	853.94	853.56	854.33	853.82	851.97	852.11	850.16
03U021	947.30	856.82				852.96	852.55		853.18				
03L021	946.74				852.43		852.27	852.49	852.79	852.23	851.34	849.92	849.03
03U022	901.88	862.98	858.98		860.19	860.43	860.54	860.76	860.24	859.88	856.56	855.05	855.26
03U023	901.51	862.88	858.81		860.04	860.35	860.35	860.62	859.91	859.49	856.71	854.41	854.96
03U024	896.99	861.71	857.80		858.94	859.17	859.25	859.49	859.02	858.67	855.67	854.25	854.29
03U025	889.07	860.01		857.31	857.16	858.43	857.43	857.62	857.22	856.84	853.91	852.56	852.60
03U027	968.80	858.58	855.41	854.83	854.68	854.77	854.69	855.00	855.20	854.70	853.82	852.31	851.12
03L027	969.42		855.31	854.74	854.59	854.68	854.59	854.80	855.10	854.60	853.70	852.22	851.03
04U027	969.49	856.96	854.13	853.52	853.39	853.48	853.39	830.51	853.73	853.24	852.09	850.69	849.76
PJ#027	970.05		854.07	853.47	853.30	853.35	853.30	853.16	853.66	853.15	852.00	850.60	849.71
03U028	959.76	858.02	855.08	854.26		854.18	854.06	854.29	854.66	854.18	853.37	851.86	850.61
03L028	958.93	857.98	855.03	854.18		854.11	854.03	854.29	854.58	854.09	853.23	851.13	850.55
03U029	957.27	857.60	854.07	853.73		853.58	852.50	852.70	854.22	853.69	853.10	851.53	849.79
03L029	956.95	857.58				853.34	853.35	853.67	853.82	853.35	852.60	851.08	849.86
03U030	961.42	859.08		855.44		855.40	855.34	855.52	855.78	855.38	854.38	852.92	851.77
03U031	900.94	857.83	854.93	854.96	854.77	854.92	854.88	855.04	854.66	854.64	852.84	851.54	850.56
03U032	1006.57	860.93	857.50		857.79	857.85	858.00	858.21	858.09	857.77	856.13	854.54	853.70
03U075	887.03	854.77	851.49	852.01			852.01	852.08	851.72	851.20	848.56	847.45	847.38
03U076	891.41	853.46	850.18	850.68			850.64	850.77	850.37	849.79	847.19	846.11	846.05
03U077	914.94	853.86	850.94	849.86	849.58	849.81	849.54	849.76	849.99	849.39	847.94	847.31	846.24
03L077	914.88	853.77	850.97	848.80	848.60	849.78	848.52	848.70	849.00	848.39	846.91	847.23	846.33
04U077	914.57	854.15	851.21	849.21	848.93	849.09	846.77	849.12	849.23	848.63	847.37	847.36	846.37
04J077	914.60												

APPENDIX F.1

HISTORICAL TGRS, TCAAP GROUNWATER ELEVATIONS (FT. AMSL)

Location On TCAAP	*TOC Elevation*	*4/2/87*	*9/8/87*	*11/17/87*	*11/24/87*	*11/30/87*	*12/14/87*	*1/11/88*	*5/2/88*	*5/20/88*	*6/23/88*	*7/27/88*	*9/1/88*
03U078	929.85	856.69	853.71	850.15	849.63	849.77	849.74	850.30	851.21	850.22	850.38	848.15	847.45
03L078	930.18	855.78	852.85	850.47	850.18	850.33	850.12	850.61	850.80	850.26	849.52	848.15	848.07
03U079	925.99	856.67	853.72	849.71	849.79	849.71	849.49	849.99	850.51	849.79	849.78	847.61	847.16
03L079	926.29	856.34	853.39	850.53	851.22	850.49	850.29	850.64	850.95	850.39	849.73	848.23	847.22
03L080	963.45		856.03			855.49	854.65	855.65	855.90	855.44	854.45	852.97	851.82
03L081	948.96						857.31	857.62	857.59	857.25	855.87	854.40	853.46
03U082	901.00	864.95	860.95		862.13	862.39	862.52	862.75	862.07	861.70	857.88	856.26	856.85
03U083	893.90	860.04			857.08	857.29	857.35	857.45	857.19	856.90	854.42	852.92	852.63
03U084	900.98	853.88	850.70	850.23	849.90	850.20	849.94	850.01	850.30	849.74	848.01	846.77	846.18
03L084	900.58								850.56	849.98	848.26	846.88	846.39
03U087	1006.79	860.83	857.35		857.83	857.93	858.11	858.29	858.14	857.79	855.94	854.34	871.63
03U088	986.36						858.47	858.61	858.44	858.11	856.06	854.48	853.86
03U089	975.30	860.93			858.13	858.24	858.44	859.13	858.40	858.08	856.05	854.49	853.85
03U090	984.92						857.38	857.56	857.57	857.24		854.32	853.37
03U092	963.30						856.75		856.98	856.70	855.76	854.15	853.03
03U093	996.01	859.66			856.50	856.56	856.65	856.82	856.87	856.50	855.28	853.04	852.71
03U094	999.64		857.13				857.00	857.06	857.22	856.89	855.89	854.37	853.24
03U096	997.02	859.77			856.44	856.48	856.60	856.72	856.08	856.39	854.93	853.40	852.48
03U111	927.69	864.11			861.53	861.71	862.03	862.19	861.71	861.50	858.86	856.78	856.70
03U112	980.80	860.95	857.61		857.55	857.63	857.75	857.89	857.93	857.63	856.49	854.85	853.80
03U113	976.83	860.97					858.09		858.22	857.93		854.83	853.98
03L113	977.15								858.11	857.80			853.83
03U301 (SC1)	957.41								854.17	889.76	853.16	851.46	849.79
03F302 (B1)	929.86	867.70	853.59		850.52	844.70	844.38	844.53	844.73	844.20	843.61	842.40	840.01
03F303 (B2)	925.04	859.80	853.46		829.72	829.74	830.74		831.18	829.58	836.29	825.55	847.59
03F304 (B3)	920.09	859.06	852.32		848.45	849.76	848.56	848.78	849.01	848.44	847.63	846.46	847.59
03F305 (B4)	915.75	850.14	852.06		844.50	844.82	844.75	844.88	844.75	915.75	848.80	847.78	847.33
03F306 (B5)	919.13								841.87	841.08	839.25	847.53	848.45
03F307 (B6)	913.46	839.95	848.55		821.56	821.91	821.11	821.29	822.23	821.04	822.43	844.87	
03F308 (B7)	900.79												
PJ#309 (B8)	914.35												
PJ#310 (B9)	915.80												
PJ#311 (B10)	905.97												
03F312 (B11)	944.24												
PJ#313 (B12)	895.63												
03U314 (SC2)	978.02												
03U315 (SC3)	965.27												

APPENDIX F.1

HISTORICAL TGRS, TCAAP GROUNWATER ELEVATIONS (FT. AMSL)

Location On TCAAP	*TOC Elevation*	*4/2/87*	*9/8/87*	*11/17/87*	*11/24/87*	*11/30/87*	*12/14/87*	*1/11/88*	*5/2/88*	*5/20/88*	*6/23/88*	*7/27/88*	*9/1/88*
03U316 (SC4)	957.13												
03U317 (SC5)	952.62												
04U510	911.19								864.18	863.71		857.04	858.89
OW543U3	958.99								854.78	854.31	853.55	851.97	850.69
03U647	962.25		855.63				854.90		855.40	854.99	854.10	852.58	851.39
03U648	963.14		855.84				854.29	855.29	855.60	855.20	854.31	852.76	851.59
03U658	966.24		856.32				855.77	855.96	856.13	855.79	854.76	853.33	852.18
03U659	958.62		855.00				853.85	854.02	854.64	854.16	853.54	851.92	850.52
03U671	933.13	856.69	853.65		851.48	851.56	851.55	851.82	852.60	851.72	851.41	849.90	848.37
03U674	957.21						852.63		854.16	853.46	853.16	851.43	849.76
03U701	911.10	853.52	850.20	849.06	849.18	849.42	849.18	849.59	849.57	848.96	847.25	846.50	845.57
04U701	911.24	853.59	850.49	848.82	848.95	849.17	848.92	849.33	849.32	848.70	846.97	846.69	845.79
03U702	910.53	852.93	849.71	848.68	848.83	849.12	848.83	849.28	849.19	848.55	846.76	845.97	845.08
04U702	910.44	853.74	850.52	848.99	849.15	849.38	849.14	849.63	849.49	848.83	847.09	846.73	845.66
04J702	910.51												
03U703	921.25	856.63	853.69	848.96	849.20	849.31	849.48	849.75	850.68	849.59	849.66	847.35	847.40
03U704	978.47	861.56	857.79		859.09	859.19	859.45	859.65	859.33	859.02	856.61	855.07	854.59
03U705	1049.55	861.71	857.95		859.32	859.43	859.65	859.92	859.60	859.27	856.85	855.22	854.75
03U706	920.63	861.84	858.11		859.23	859.40	859.57	859.78	859.37	859.08	856.28	854.82	854.61
03U707	918.28	862.30	858.42		859.63	859.84	860.00	860.19	859.78	859.41	856.43	854.91	854.86
03U708	921.97	856.26	853.27	851.47	851.01	851.08	850.84	851.32	852.05	851.18	850.89	849.50	847.91
04U708	921.66	854.87	852.03	850.11	849.80	849.95	849.85	850.16	850.34	849.85	848.86	847.72	847.36
04J708	922.04												
03U709	912.63	855.04	852.01	850.21	850.20	850.28	850.21	850.47	850.76	850.08	849.43	848.31	846.85
04U709	912.52	854.74	851.93	849.42	849.47	850.13	849.62	849.90	850.02	849.42	848.56	847.73	847.20
03U710	946.76	856.79		851.26	851.41	851.51	851.31	851.74	852.44	851.69	851.54	849.85	848.46
03U711	908.81		851.74		849.81	849.76	849.51	850.07	850.14	849.60	848.88	848.13	846.83
04U711	908.73		850.68	849.01	849.00	849.01	848.78	849.75	849.20	848.64	847.38	847.63	843.18
03M713	898.41												
04U713	897.73												
04J713	898.38												
04U714	893.89												
04J714	894.19												
03U715	963.59												
03U716	952.10												
E101	970.12												
E102	981.54												

APPENDIX F.1

HISTORICAL TGRS, TCAAP GROUNWATER ELEVATIONS (FT. AMSL)

Location	*TOC Elevation*	*4/2/87*	*9/8/87*	*11/17/87*	*11/24/87*	*11/30/87*	*12/14/87*	*1/11/88*	*5/2/88*	*5/20/88*	*6/23/88*	*7/27/88*	*9/1/88*
On TCAAP													
E103	971.61												
Staff Gauges													
S.G. #1	860.42			862.72			862.96		858.33	858.20			
S.G. #2	862.84			DRY			863.08		DRY	862.74			
S.G. #3	865.29			DRY			DRY		DRY				
Off TCAAP													
MPCA6	914.40	850.43		846.97	846.84	846.93	846.97	847.36	846.81	846.26	844.25	843.41	843.03
03U672 (PD2U3)	923.72	857.40	854.74	853.62		853.47	853.62	853.14	854.05	853.55	852.95	851.52	850.18
03U673 (PD3U3)	897.84	850.51	847.79	847.19	846.62	846.99	847.19	846.29	846.89	846.54	845.48	844.59	843.66
03L673 (PD3L3)	898.44	848.90	845.84	845.37	845.04	845.29	844.83	844.99	845.37	844.93	843.46	842.49	841.66
04U673 (PD3U4)	898.34	848.96	845.86	844.41	845.09	845.34	844.88	845.06	845.40	844.95	843.42	842.47	841.68
03U801 (T1U3)	914.82	855.71	852.85	850.09	850.47	850.10	849.88	850.72	850.67	850.04	849.39	848.72	847.07
03M802 (T2M3)	907.38	855.93	853.08	851.34	851.64	851.39	851.80	850.72	851.34	850.67	850.33	848.99	847.61
03L802 (T2L3)	907.93	856.52	853.77	851.29	851.75	851.29	850.45	851.63	851.05	850.50	849.61	848.98	847.23
04U802 (T2U4)	905.95	854.04	851.02	849.63	849.61	849.60	849.30	849.75	849.90	849.38	848.17	847.31	853.21
PJ#802 (T2PJ)	905.07	853.47	850.57	849.58	849.40	849.37	849.10	849.49	849.67	849.16	847.84	846.97	845.94
03U803 (T3U3)	900.89	853.41	851.05	849.68	849.55	849.45	848.82	848.89	849.55	849.13	848.29	847.65	846.54
03U804 (T4U3)	913.02	855.16	851.87		849.98	849.77	849.54	850.66	850.15	849.66	848.87	848.50	847.18
03U805 (T5U3)	908.23	853.31	850.18	848.60	848.66		848.23	849.32	848.62	848.11		846.52	845.52
03U806 (T6U3)	911.96	852.79	849.56	848.78	848.88	848.71	848.44	849.01	848.76	848.19	846.51	845.81	845.10
03M806 (T6M3)	911.87	853.02	849.84	848.42	848.80	848.33	848.08	849.25	848.44	847.89	846.32	846.13	845.33
03L806 (T6L3)	912.16	852.93	849.72	848.36	848.89	848.28	848.28	849.10	848.38	847.81	846.24	845.99	845.22
04U806 (T6U4)	912.12	852.64	849.42	848.32	848.62	848.26	848.00	848.89	848.29	847.74	846.09	845.69	844.97
PJ#806 (T6PJ)	911.03	852.57	849.37	848.93	848.53	848.28	848.01	848.83	848.30	847.75	846.05	845.62	844.95
03L809 (T9L3)	914.32	853.30	850.14	849.42	849.37	849.36	849.02	850.12	849.34	848.78	847.02	846.34	845.84
03L841 (301L3)	911.91												
04U841 (301U4)	913.77												
04U847 (307U4)	916.10												
03L833	908.02						854.08	839.57	854.40	853.90	852.59	851.13	849.35
04U833	908.32				857.12	857.20	857.32	857.45	857.53	857.20	854.09	854.49	853.45
PJ#074	956.46												
04U835	977.84												

APPENDIX F.1

HISTORICAL TGRS, TCAAP GROUNWATER ELEVATIONS (FT. AMSL)

Location On TCAAP	*TOC Elevation*	*9/21/88*	*10/14/88*	*12/2/88*	*1/13/89*	*3/31/89*	*7/7/89*	*10/5/89*	*12/21/89*	*1/11/90*	*5/16/90*	*7/16/90*	*2/28/91*
03U001	891.20	844.92	845.46	846.41	846.55	844.09		841.44	841.39	841.43	841.67	841.34	842.28
03M001	890.76	844.99	845.54	846.51	846.62	844.03		841.28	841.26	841.26	841.53	841.27	842.11
03L001	891.37	845.00	845.52	846.45	846.61	843.68	841.38	841.17	841.05	841.07	841.33	841.02	841.90
04U001	891.28	844.88	845.38	846.36	846.49	843.59	841.28	841.05	840.93	840.98	841.22	840.91	841.78
03U002	919.89	847.20	847.13	848.59	849.59	845.37	844.15	843.45	842.68	842.51	842.65	842.41	843.09
03M002	922.40	847.59	847.04	848.67	848.12	844.58	843.09	842.60	841.91	841.80	841.93	841.73	842.36
03L002	922.21	847.55	846.96	848.62	848.06	844.49	842.98	842.49	841.84	841.71	841.81	841.62	842.26
04U002	923.18	847.44	846.88	848.48	847.93	843.76	834.38	841.88	841.18	841.06	841.21	841.03	841.64
03U003	945.00	849.18	848.80	849.76	849.68	846.74	845.50	844.85	844.50	844.10	844.15	843.73	844.48
03M003	945.55	849.08	848.75	849.79	849.56	846.28	844.95	844.27	844.30	843.84	843.87	843.52	844.27
03L003	946.83	849.01	848.78	849.91	849.46	845.63	844.15	843.47	844.13	843.55	843.63	843.33	844.04
04U003	946.07	846.07	846.19	847.19	846.77	844.42	843.05	842.37	842.09	841.72	841.90	841.58	842.37
PJ#003	946.47	845.42	845.67	846.59	846.25	844.12		841.89	841.51	840.66	841.49	841.18	841.91
03U004	953.00	853.09	852.83	853.10	853.40	852.15		849.94	849.57	849.38	849.32		849.80
03M004	952.55	851.68	851.51	851.82	852.12	850.71		848.41	848.11	847.93	847.83		848.34
03L004	952.02	850.62	850.47	850.81	851.07	849.66		847.37	847.12	846.90	846.81		847.32
03U005	973.07	853.03	853.14	852.76	853.22	852.49		850.65	850.04	849.94	849.77		850.30
03M005	974.52	853.08	853.61	852.78	853.27	853.04		851.13	850.56	850.47	850.31		850.38
03L005	974.08	853.08	852.73	852.83	853.33	852.08		850.21	849.63	849.54	849.38		850.41
03U006	969.09	854.29	854.58	854.41	854.74	853.99		851.75	851.46	851.27	851.20		851.78
03U007	902.63	854.78	855.19	855.67	855.95	855.43	853.68	852.78	852.90	852.78	852.47	852.36	853.43
03M007	903.77	854.74	855.14	855.62	855.90	855.37		852.73	852.82	852.72	852.39	852.27	853.35
03L007	904.41	854.41	854.79	855.39	855.61	855.02		852.38	852.47	852.36	852.01	851.83	853.07
04U007	905.50	854.20	854.50	855.08	855.30	854.65	852.59	852.02	852.05	851.95	851.58	851.31	852.68
03U008	917.36	858.11	858.95	859.91	860.20	860.90		857.57	858.31	858.31	857.91		859.51
03U009	915.25	859.90	860.83	861.86	861.94	862.78		859.22	860.14	860.25	859.90		870.37
03U010	891.00	859.95	860.88	861.75	861.84	862.95		859.34	860.32	860.45	860.06		861.48
03M010	891.46	859.96	860.90	861.74	861.85	862.92		859.33	860.30	860.46			
03L010	891.76	859.96	860.91	861.75	861.84	862.96		859.31	860.30	860.45			
03U011	902.99	857.71	858.27	858.79	859.09	860.78		857.29	858.04	858.15	857.72		859.06
03U012	882.83	854.57	855.25	855.79	856.18	856.48	853.51	853.11	853.83	854.03	853.63	853.60	854.87
03M012	882.73	854.55	855.23	855.77	856.18	856.48		853.11	853.83	854.03	853.62	853.59	854.87
03L012	882.63	854.50	855.19	855.64	856.15	856.42		853.07	853.82	853.98	853.60	853.54	854.80
04U012	882.78	854.44	855.13	855.67	856.07	856.33	853.37	852.97	853.70	853.88	853.49	853.46	854.73
03U013	893.02	847.87	848.34	848.97	849.57	847.97		845.19	845.42	845.63	845.44		846.20
03M013	892.40	847.79	848.27	848.90	849.50	847.90		845.12	845.40	845.58	845.40		846.20
03L013	892.60	847.61	848.10	848.76	849.38	847.75		844.93	845.20	845.45	845.24		846.06

APPENDIX F.1

HISTORICAL TGRS, TCAAP GROUNWATER ELEVATIONS (FT. AMSL)

Location On TCAAP	*TOC Elevation*	*9/21/88*	*10/14/88*	*12/2/88*	*1/13/89*	*3/31/89*	*7/7/89*	*10/5/89*	*12/21/89*	*1/11/90*	*5/16/90*	*7/16/90*	*2/28/91*
03U014	990.27	852.72	852.44	852.68	852.77	852.00		849.72	849.44	849.25	849.15	848.99	849.79
03L014	991.57	852.77	852.61	852.88	852.96	852.27		849.93	849.77	849.57	849.50		850.22
03U015	937.68	852.45	852.53	852.83	853.02	852.73		850.13	850.11	850.03	849.99		850.82
03U016	950.05	854.64	854.57	854.78	854.97	855.35		852.75	852.67	864.70	852.59		853.48
03U017	941.31	850.12	849.93	850.64	850.93	849.06		846.98	846.36	846.21	846.36		847.01
03M017	941.93	850.11	849.93	850.62	850.93	849.03		846.97	846.32	846.23	846.33		846.97
03L017	942.07	850.09	849.92	850.62	850.88	849.07		846.94	846.14	846.22	846.32		846.97
03U018	991.62	852.53	852.35	852.60	852.82	851.98		849.72	849.25	849.24	849.19		849.90
03L018	991.49	852.39	852.21	852.52	852.74	851.82		849.55	849.09	849.07	849.04		849.76
03U019	946.54	853.62	853.41	853.54	853.83	853.44		851.09	850.87	850.73	850.63		851.34
03U020	955.70	850.63	850.34	851.02	850.83	849.35	848.20	847.18	846.63	846.51	846.65	846.45	847.18
03M020	957.03	850.61	850.36	850.98	851.08	849.27	848.06	847.08	846.79	846.52	846.60	846.39	847.09
03L020	956.73	850.52	850.27	850.93	851.03	849.27	848.02	847.03	846.58	846.52	846.55	846.36	847.10
04U020	957.86	850.06	849.91	850.61	850.70	848.91	846.87	846.05	846.21	846.16	846.28	846.09	846.80
03U021	947.30				849.69	847.25		845.20	844.55	844.50	844.51		844.98
03L021	946.74	848.84	848.37	849.63	849.41	846.79		844.84	844.19	844.12	844.14		844.60
03U022	901.88	855.34	855.72	855.97	856.23	857.43		854.24	854.78	854.86	854.53		855.73
03U023	901.51	855.12	855.67	856.06	856.28	857.13		853.87	854.51	854.63	854.25		855.50
03U024	896.99	854.31	854.61	854.77	855.04	855.84		852.77	853.17	853.29	852.99		854.06
03U025	889.07	852.51	852.90	853.24	853.72	853.55		850.61	850.96	851.07	850.81		851.83
03U027	968.80	850.90	850.60	851.25	851.50	849.71		846.53	847.17	846.87	846.97		847.52
03L027	969.42	850.80	850.51	851.17	851.43	849.61		847.40	847.07	846.84	846.85		847.37
04U027	969.49	849.44	849.31	850.14	850.39	848.19		845.81	845.63	845.44	845.44		845.96
PJ#027	970.05	849.38	849.28	850.10	850.34	848.18		845.76	845.57	845.40	845.46		845.95
03U028	959.76	850.39	850.12	850.58	850.86	848.92		846.87	846.52	846.35	846.23		846.72
03L028	958.93	850.31	850.08	850.55	850.82	848.86		846.78	846.43	846.31	846.18		846.67
03U029	957.27	849.95	848.62	850.07	850.42	847.13		845.73	844.84	844.73	845.52		844.93
03L029	956.95	849.70	849.40	850.05	850.10	847.68		845.60	845.45		845.15		845.59
03U030	961.42	851.52	851.32	851.47	851.85	850.47		848.33	848.02	847.85	847.71		848.26
03U031	900.94	850.49	850.66	850.79	851.34	850.14		847.69	847.65	847.54	847.54		848.30
03U032	1006.57	853.59	853.46	853.65	853.82	853.90		851.36	851.35	851.22	851.09		851.97
03U075	887.03	847.16	847.67	848.47	848.54	846.98		844.28	844.43	844.72	844.52		845.25
03U076	891.41	845.79	846.36	847.27	847.30	845.41		842.74	842.86	843.16	842.98		843.65
03U077	914.94	846.02	846.09	847.44	847.31	842.31		841.74	841.86	841.12	841.28		841.78
03L077	914.88	846.08	845.48	847.45	847.24	843.73		840.16	839.53	839.51	839.66		840.18
04U077	914.57	845.28	845.69	847.59				840.36	839.57	839.51	839.67		840.19
04J077	914.60	847.15		847.59	847.22	840.02		837.71	836.53	836.50	837.10		837.90

APPENDIX F.1

HISTORICAL TGRS, TCAAP GROUNWATER ELEVATIONS (FT. AMSL)

Location On TCAAP	*TOC Elevation*	*9/21/88*	*10/14/88*	*12/2/88*	*1/13/89*	*3/31/89*	*7/7/89*	*10/5/89*	*12/21/89*	*1/11/90*	*5/16/90*	*7/16/90*	*2/28/91*
03U078	929.85	846.83	846.45	849.19	847.95	844.45		842.91	842.20	841.80	841.24		841.67
03L078	930.18	847.80	846.93	848.83	847.88	844.55		842.68	842.16	841.83	841.70		842.24
03U079	925.99	847.36	845.89	849.25	847.04	843.64		841.94	842.61	840.87	840.78		841.08
03L079	926.29	848.04	846.67	849.14	847.34	844.34		842.48	843.01	841.69	841.69		842.09
03L080	963.45	851.58	851.33	851.83	852.09	850.61		848.36	848.06	847.90	847.84		848.38
03L081	948.96	853.16	853.10	853.34	853.65	852.96		850.61	850.41	850.26	850.17		850.92
03U082	901.00	857.08	857.57	857.95	858.15	859.90		856.53	857.18	857.29	856.92		858.21
03U083	893.90	852.50	852.74	852.90	853.50	853.15		850.35	850.53	850.60	850.36		851.31
03U084	900.98	846.10	846.27	847.38	847.37	843.98		841.93	841.47	841.48	841.62		842.24
03L084	900.58	846.30	846.47	847.56	900.58	844.03		842.05	841.58	841.58	841.72		842.31
03U087	1006.79	853.53	853.44	853.60	853.79	854.11		851.49	851.58	851.48	851.34		852.23
03U088	986.36	853.77	853.75	853.86	854.06	854.60		851.88	852.01	851.91	851.76		852.72
03U089	975.30	853.75	853.75	853.86	854.10	854.55		851.85	851.97	851.90	851.73		852.69
03U090	984.92	853.13	852.97	853.15	853.30	853.07		850.66	850.47	850.39	850.25		850.99
03U092	963.30	852.74	852.45	852.70	852.93	852.08		849.76	849.28	849.28	849.20		849.87
03U093	996.01	852.49	852.26	852.56	852.79	852.01		849.31	849.27	849.26	849.21	849.16	849.97
03U094	999.64	852.92	852.65	852.84	852.94	852.34		850.07	849.76	849.60	849.40		850.10
03U096	997.02	852.37	852.21	852.54	852.81	852.06		849.79	849.35	849.34	849.32		850.09
03U111	927.69	856.94	857.12	857.43	857.74	859.62		856.58	856.75	856.99	856.90		858.31
03U112	980.80	853.55	853.40	853.50	853.66	853.45		851.10	850.91	850.79	850.65		851.37
03U113	976.83	853.77	853.65	853.76	853.93	853.93		851.48	851.38	851.23	851.14		851.91
03L113	977.15	853.65			853.85	853.85		851.36	851.30	851.15	851.06		851.84
03U301 (SC1)	957.41	849.91	833.28	850.09	850.36	830.51		831.41	827.06	831.01	845.46	829.41	828.41
03F302 (B1)	929.86	847.71	840.66	849.16	839.81	848.62	837.86	837.06		855.26	836.66	835.86	836.46
03F303 (B2)	925.04	847.14	827.95	848.94	828.25	827.49	829.54	828.34	830.44	828.64	821.24	820.94	820.44
03F304 (B3)	920.09	847.41	846.62	848.40	847.65	842.59	840.99	840.49	840.09	839.89	840.09	839.59	840.39
03F305 (B4)	915.75	847.16	840.98	848.20	841.69	837.55	836.35	836.25	834.55	834.35	835.45	835.15	835.72
03F306 (B5)	919.13	838.18					834.43	833.03	832.43	832.73	832.73	832.23	833.48
03F307 (B6)	913.46	820.02				828.59	827.16	826.76	826.36	826.36	825.76	826.26	826.36
03F308 (B7)	900.79			846.07	845.92	834.87	833.19	832.79	832.49	832.29	831.69	830.29	830.99
PJ#309 (B8)	914.35			848.10	847.55	840.05	839.35	834.95	807.55	838.25	838.95	838.85	838.35
PJ#310 (B9)	915.80			847.69	847.30	838.10	835.30	835.30	833.90	833.90	835.10	835.20	836.00
PJ#311 (B10)	905.97					839.26	838.77	838.87	844.27	837.37	838.07	836.87	837.67
03F312 (B11)	944.24			851.05	850.40	837.50	834.74	834.54	828.14	838.04	838.84	838.24	838.44
PJ#313 (B12)	895.63			835.55	846.83	839.68	837.93	836.93	836.63		837.83	837.63	836.23
03U314 (SC2)	978.02			852.19	978.02	842.54	841.52	842.32	841.32	839.92	843.42	846.02	844.97
03U315 (SC3)	965.27			852.29	852.47	845.18	844.67	842.77	842.47	842.87	842.37	841.17	841.47

APPENDIX F.1

HISTORICAL TGRS, TCAAP GROUNWATER ELEVATIONS (FT. AMSL)

Location On TCAAP	*TOC Elevation*	*9/21/88*	*10/14/88*	*12/2/88*	*1/13/89*	*3/31/89*	*7/7/89*	*10/5/89*	*12/21/89*	*1/11/90*	*5/16/90*	*7/16/90*	*2/28/91*
03U316 (SC4)	957.13			851.64	851.81	835.26	836.13	836.63	826.23	830.03	833.73	831.73	831.23
03U317 (SC5)	952.62			851.54	851.76	845.58	844.62	843.72	843.62	843.42	851.92	843.12	843.02
04U510	911.19	859.39	859.95	860.97	861.08	862.05		858.48	859.32	859.39	859.11		860.57
OW543U3	958.99	850.58	850.16	850.49	850.88	849.09		847.02	846.65	846.48	846.38		846.77
03U647	962.25	851.14	850.89	851.04	851.45	849.78		847.85	847.50	847.36	847.23		847.75
03U648	963.14	851.34	851.10	851.30	851.69	850.19		848.07	847.73	847.59	847.44		847.99
03U658	966.24	851.92	851.68	852.04	852.32	851.02		848.76	848.48	848.24	848.18		848.71
03U659	958.62	850.51	849.89	850.42	850.78	848.57		846.65	846.20	846.00	846.05		846.34
03U671	933.13	848.04	847.81	849.08	849.16	846.18		844.40	843.19	843.33	843.28		843.63
03U674	957.21	849.97	848.85	850.04	850.35	847.31		845.47	844.99	844.86	845.40		845.06
03U701	911.10	845.40	845.49	846.56	846.83	843.40		841.18	840.75	840.99	841.01		841.45
04U701	911.24	845.21	845.55	846.90	846.99	842.92		839.80	839.00	839.27	839.43		839.80
03U702	910.53	845.04	845.09	846.16	846.43	843.03		840.75	839.89	840.63	840.66		841.08
04U702	910.44	845.32	845.54	846.83	847.04	842.77		840.49	840.24	840.09	840.14		840.48
04J702	910.51			846.86	847.04	842.41		840.16	839.36	839.61	839.74		840.11
03U703	921.25	847.00	845.81	849.18	847.08	843.71		842.13	842.05	841.15	840.68		841.09
03U704	978.47	854.53	854.57	854.42	854.77	846.82	854.58	853.02	853.22	853.17	853.01	853.19	854.01
03U705	1049.55	854.75	854.74					853.41	853.72	853.60	853.46		854.53
03U706	920.63	854.56	854.77	854.69	855.03	856.18	854.58	853.16	853.53	853.58	853.37	853.51	854.37
03U707	918.28	854.88	855.17	855.30	855.58	856.81		853.73	854.18	854.24	854.03		855.10
03U708	921.97	847.52	847.39	848.90	848.82	845.62		843.87	842.86	842.67	842.70		843.02
04U708	921.66	847.10	846.54	848.11	847.55	844.45		842.08	841.35	841.16	841.36		841.78
04J708	922.04			847.35	847.40	843.74		841.64	840.86	840.68	840.83		841.26
03U709	912.63	846.36	846.56	848.13	848.03	844.53		842.63	841.79	841.68	841.86		842.25
04U709	912.52	846.86	846.26	848.07	847.57	844.08		841.04	841.36	840.22	840.37		840.76
03U710	946.76	848.25	847.82	849.38	848.91	845.57		843.80	843.47	842.88	842.86		843.16
03U711	908.81	846.25	846.36	847.54	847.60	843.85	842.60	841.93	841.21	841.01	841.29	840.00	841.69
04U711	908.73	845.22	845.58	846.92	846.68	842.78	841.23	840.68	840.19	839.93	840.34	840.90	840.52
03M713	898.41			846.41	846.40	842.11	840.21	840.06	839.56	839.61	839.81	839.59	840.31
04U713	897.73			848.34	848.35	844.08	842.45	842.55	841.82	841.83	841.99	841.81	842.58
04J713	898.38			847.03	846.95	842.08	840.22	840.04	839.30	839.38	839.67	839.41	839.98
04U714	893.89			846.50	846.68	843.13	840.99	840.80	840.54	840.59	840.83	840.54	841.33
04J714	894.19			846.63	846.68	843.19	840.86	840.68	840.40	840.48	840.71	840.47	841.18
03U715	963.59			852.16	852.36	850.99	850.07	848.76	848.24	848.19	848.20	848.06	848.79
03U716	952.10			851.55	839.30	849.75	848.56	847.69	847.00	846.95	847.05	846.89	847.68
E101	970.12												
E102	981.54												

APPENDIX F.1

HISTORICAL TGRS, TCAAP GROUNWATER ELEVATIONS (FT. AMSL)

Location	*TOC Elevation*	*9/21/88*	*10/14/88*	*12/2/88*	*1/13/89*	*3/31/89*	*7/7/89*	*10/5/89*	*12/21/89*	*1/11/90*	*5/16/90*	*7/16/90*	*2/28/91*
On TCAAP													
E103	971.61												
Staff Gauges													
S.G. #1	860.42					854.79		857.16			856.22		855.62
S.G. #2	862.84							862.79			860.94		860.64
S.G. #3	865.29												865.05
Off TCAAP													
MPCA6	914.40	842.78	843.11	914.40	844.14	841.30		839.10	838.65	838.95	839.01		839.26
03U672 (PD2U3)	923.72	851.04	849.59	849.82	850.23	847.85	846.72	845.86	845.55	845.42	845.31	844.92	845.68
03U673 (PD3U3)	897.84	843.24	843.44	843.39	843.80	841.95	840.46	840.09	839.13	839.33	839.14	838.84	839.13
03L673 (PD3L3)	898.44	841.35	841.65	842.03	842.36	840.38	838.59	838.35	837.75	837.94	837.94	837.51	837.95
04U673 (PD3U4)	898.34	841.40	841.69	842.12	838.43	840.45	838.79	838.43	837.84	838.03	838.04	837.60	838.08
03U801 (T1U3)	914.82	846.68	846.89	848.25	847.22	844.13		842.20	842.07	841.81	841.50	841.21	841.89
03M802 (T2M3)	907.38	847.38	847.11	848.68	847.63	843.93		842.73	842.68	842.28	841.88	841.50	842.36
03L802 (T2L3)	907.93	846.90	847.34	848.32	847.43	845.16	843.11	842.44	842.52	842.13	841.93	841.54	842.29
04U802 (T2U4)	905.95	845.81	846.00	846.65	846.61	844.07		841.93	841.65	841.65	841.65	841.25	841.94
PJ#802 (T2PJ)	905.07	845.62	845.78	846.42	846.42	843.97		841.95	841.49	841.52	841.57	841.13	841.73
03U803 (T3U3)	900.89	845.94	845.99	846.43	846.54	843.89		841.65	841.19	841.29	841.03		841.21
03U804 (T4U3)	913.02	846.48	846.88	847.92	847.57	843.87		841.90	841.36	841.39	841.27		841.61
03U805 (T5U3)	908.23	844.73	845.26	846.37	846.21	842.48		840.32	839.82	840.01	840.03		840.31
03U806 (T6U3)	911.96	844.70	844.90	845.96	846.26	842.71		840.48	840.02	840.28	840.35	839.93	840.74
03M806 (T6M3)	911.87	844.43	845.01	846.21	846.07	842.16		839.91	839.41	839.66	839.72	839.31	840.06
03L806 (T6L3)	912.16	844.37	844.95	846.11	846.01	842.10	840.26	839.86	839.36	839.61	839.68	839.26	840.01
04U806 (T6U4)	912.12	844.29	844.72	845.87	845.91	841.97	840.07	839.73	839.21	839.47	839.57	839.14	839.86
PJ#806 (T6PJ)	911.03	844.29	844.71	845.87	845.88	841.95		839.74	839.16	839.43	839.52	839.13	839.84
03L809 (T9L3)	914.32	845.29	845.79	846.57	846.57	843.56		841.17	840.92	841.17	841.22		841.46
03L841 (301L3)	911.91										837.39		837.41
04U841 (301U4)	913.77										838.79		838.77
04U847 (307U4)	916.10										838.20		838.38
03L833	908.02	850.04	849.13	850.65	850.76	848.99		845.96	846.28	846.24			
04U833	908.32	853.18	852.98	853.14	853.29	852.89		850.54	850.34	850.24			
PJ#074	956.46												
04U835	977.84												

APPENDIX F.1

HISTORICAL TGRS, TCAAP GROUNWATER ELEVATIONS (FT. AMSL)

Location On TCAAP	*TOC Elevation*	*6/3/91*	*9/3/91*	*9/27/91*	*12/6/91*	*3/24/92*	*6/1/92*	*9/1/92*	*10/8/92*	*3/2/93*	*9/10/93*	*3/1/94*	*9/2/94*	*3/9/95*
03U001	891.20	842.00	841.05	841.70	843.01	843.51	843.25	842.79	843.62	844.75	846.23	847.86	846.08	845.69
03M001	890.76	841.81	840.89	841.54	842.83	843.31	843.14	842.66	843.48	844.60	846.06	847.74	845.96	845.52
03L001	891.37	841.64	840.71	841.30	842.60	843.12	842.90	842.45	843.26	844.35	845.81	847.54	845.71	845.28
04U001	891.28	841.55	840.58	841.20	842.50	842.99	842.79	842.33	843.14	844.26	845.70	847.45	845.60	845.16
03U002	919.89	842.89	842.36	842.59	843.84	844.49	844.97	844.54	844.82	845.75	847.13	848.84	847.56	847.53
03M002	922.40	842.20	841.75	841.95	843.18	843.84	844.25	843.80	844.18	845.07	846.40	848.05	846.72	846.55
03L002	922.21	842.10	841.49	841.85	843.10	843.75	844.15	843.70	844.09	844.99	846.31	848.00	846.62	846.53
04U002	923.18	841.44	840.90	841.18	842.46	843.08	843.43	843.00	843.42	844.32	845.50	847.17	845.74	845.53
03U003	945.00	844.20	843.75	843.89	845.14	845.66	846.50	846.26	846.52	847.23	848.30	850.27	849.45	849.20
03M003	945.55	844.02	843.55	843.70	844.96	845.51	846.37	846.14	846.41	847.14	848.16	850.10	849.39	849.08
03L003	946.83	843.78	843.32	843.49	844.70	845.23	846.01	845.73	846.07	846.83	847.73	849.54	848.84	848.65
04U003	946.07	842.16	841.62	841.85	843.11	843.64	844.10	843.81	844.33	845.16	846.43	847.98	846.90	846.96
PJ#003	946.47	841.66	841.06	841.37	842.63	843.20	843.45	843.16	843.70	844.54	845.68	847.33	846.01	845.93
03U004	953.00			849.35		851.30			851.97	852.72	853.78	855.64	854.79	854.60
03M004	952.55			847.87		849.82			850.48	851.23	852.32	854.17	853.27	853.26
03L004	952.02			846.83		848.81			849.47	850.22	851.29	853.15	852.26	852.25
03U005	973.07			849.85		851.27			852.72	853.21	854.00	856.14	855.25	855.55
03M005	974.52			849.83		851.84			852.74	853.23	854.07	856.18	855.27	855.59
03L005	974.08			849.86		851.90			852.78	853.30	854.14	856.24	855.33	855.62
03U006	969.09			850.94		853.28			854.20	854.70	855.18	857.52	856.69	856.81
03U007	902.63	853.10	852.51	852.88	854.61	855.23	855.28	854.88	855.64	856.18	857.25	859.11	857.85	858.28
03M007	903.77	853.03	852.42	852.78	854.52	855.14	855.21	854.81	855.57	856.11	857.17	859.05	857.78	858.22
03L007	904.41	852.69	852.14	852.31	854.18	854.71	854.70	854.31	855.12	855.75	856.75	858.68	857.28	857.89
04U007	905.50	852.37	851.88	851.85	853.74	854.12	854.25	853.83	854.66	855.37	856.30	858.18	856.82	857.51
03U008	917.36			859.45		861.49			861.10	862.10	863.66	864.88	863.11	864.01
03U009	915.25			861.88		863.62			863.16	863.93	865.97	866.69	864.90	865.68
03U010	891.00			862.08		863.84			863.21	864.05	865.98	866.81	865.00	865.79
03M010	891.46			862.08		863.68			863.18	864.02	865.95	866.81	864.98	865.80
03L010	891.76			862.18		863.74			863.18	864.03	865.91	866.72	864.89	865.69
03U011	902.99			859.27		861.19			860.61	861.73	863.34	864.56	862.87	863.65
03U012	882.83	855.15	853.83	854.93	856.21	856.84	856.21	855.25	856.26	857.40	858.97	860.35	858.50	859.13
03M012	882.73	855.13	853.83	854.92	856.20	856.83	856.19	855.24	856.24	857.39	858.94	860.35	858.49	859.12
03L012	882.63	855.08	853.78	854.86	856.16	856.81	856.18	855.18	856.19	857.35	858.90	860.31	858.45	859.08
04U012	882.78	855.00	853.68	854.76	856.06	856.68	856.06	855.09	856.09	857.24	858.79	860.20	858.35	858.96
03U013	893.02			845.86		847.83			847.69	848.79	850.11	851.90	850.17	850.26
03M013	892.40			845.85		847.84			847.66	848.77	850.10	851.89	850.15	850.22
03L013	892.60			845.67		847.65			847.51	848.61	849.93	851.72	849.99	850.08

APPENDIX F.1

HISTORICAL TGRS, TCAAP GROUNWATER ELEVATIONS (FT. AMSL)

Location On TCAAP	*TOC Elevation*	*6/3/91*	*9/3/91*	*9/27/91*	*12/6/91*	*3/24/92*	*6/1/92*	*9/1/92*	*10/8/92*	*3/2/93*	*9/10/93*	*3/1/94*	*9/2/94*	*3/9/95*
03U014	990.27	849.78	849.30	849.48	850.59	851.57	852.19	851.33	851.96	852.73	853.97	855.71	854.90	854.88
03L014	991.57	850.15	849.58	849.84	851.05	851.92	852.47	851.90	852.30	853.12	854.38	856.11	855.12	855.19
03U015	937.68			850.62		852.64			852.70	853.70	855.02	856.74	855.54	855.78
03U016	950.05			853.35		855.40			855.43	856.42	857.80	859.49	858.23	858.55
03U017	941.31			846.64		848.51			848.89	849.78	851.07	852.85	851.64	851.72
03M017	941.93			846.62		848.48			848.87	849.76	851.05	852.84	851.61	851.69
03L017	942.07			846.64		848.51			848.84	849.76	851.06	852.83	851.60	851.67
03U018	991.62			849.62		852.26			851.95	852.84	854.17	855.96	854.93	855.00
03L018	991.49			849.44		851.47			851.78	852.66	854.01	855.77	854.71	854.79
03U019	946.54			851.09		853.10			853.44	854.29	855.55	857.30	856.41	856.46
03U020	955.70	847.11	846.63	846.83	848.01	848.80	849.36	848.84	849.11	850.05	851.31	853.09	852.02	852.01
03M020	957.03	847.06	846.52	846.73	847.93	848.68	849.28	848.73	849.05	849.94	851.23	852.95	851.88	851.82
03L020	956.73	847.03	846.53	846.73	847.93	848.71	849.26	848.74	849.05	849.95	851.23	853.00	851.92	851.90
04U020	957.86	846.82	846.25	846.56	847.82	848.50	848.97	848.36	848.76	849.70	851.07	852.77	851.57	851.64
03U021	947.30			844.76		846.45			846.80	847.73	849.05	850.84	849.69	849.60
03L021	946.74			843.99		846.09			846.46	847.38	848.67	850.40	849.28	849.16
03U022	901.88			855.81		857.75			857.35	858.46	859.96	861.35	859.83	860.35
03U023	901.51			855.58		857.53			857.05	858.17	859.67	861.06	859.37	859.91
03U024	896.99			854.09		856.04			855.74	856.85	858.29	859.78	858.33	858.73
03U025	889.07			851.76		853.71			853.47	854.56	855.99	857.56	856.06	856.33
03U027	968.80			847.12		849.08			849.47	850.36	851.56	853.36	852.36	852.32
03L027	969.42			846.97		848.98			849.36	850.25	851.46	853.24	852.24	852.22
04U027	969.49			845.61		847.55			847.87	848.76	849.94	851.69	850.58	850.53
PJ#027	970.05			845.58		847.55			847.87	848.75	849.94	851.66	850.55	850.51
03U028	959.76			846.31		848.28			848.72	849.57	850.72	852.63	851.62	851.61
03L028	958.93			846.26		848.23			848.68	849.52	850.65	852.59	851.55	851.56
03U029	957.27			844.47		846.27			846.87	847.69	848.87	850.98	850.03	850.01
03L029	956.95			845.11		847.03			847.61	848.41	849.44	851.41	850.43	850.44
03U030	961.42			847.88		849.85			850.36	851.12	852.23	854.18	853.22	853.26
03U031	900.94			848.00		850.04			850.05	851.07	852.51	854.14	852.81	852.92
03U032	1006.57			851.73		853.81			853.93	854.89	856.18	857.90	856.79	857.01
03U075	887.03			844.87		846.82			840.67	847.85	849.40	850.90	849.25	849.03
03U076	891.41			843.19		844.97			845.05	846.22	847.73	849.27	847.56	847.24
03U077	914.94			841.19		843.19			843.45	844.41	845.74	847.46	846.02	845.89
03L077	914.88			839.64		841.69			841.84	842.78	844.11	845.77	844.21	844.09
04U077	914.57			839.67		841.68			841.92	842.83	844.15	845.80	844.28	844.14
04J077	914.60			837.38		839.11			839.42	840.17	841.40	843.06	841.65	841.37

APPENDIX F.1

HISTORICAL TGRS, TCAAP GROUNWATER ELEVATIONS (FT. AMSL)

Location On TCAAP	*TOC Elevation*	*6/3/91*	*9/3/91*	*9/27/91*	*12/6/91*	*3/24/92*	*6/1/92*	*9/1/92*	*10/8/92*	*3/2/93*	*9/10/93*	*3/1/94*	*9/2/94*	*3/9/95*
03U078	929.85			840.56		842.33			843.13	844.06	845.48	847.55	846.68	846.52
03L078	930.18			841.84		843.77			844.26	845.14	846.43	848.04	846.88	846.71
03U079	925.99			840.31		842.16			843.00	843.72	845.22	846.98	845.82	845.73
03L079	926.29			841.69		843.40			844.19	844.94	846.20	847.86	846.80	846.66
03L080	963.45			847.99		849.99			850.44	851.28	852.45	854.27	853.30	853.29
03L081	948.96			850.49		852.58			852.97	853.76	854.86	856.72	855.75	855.91
03U082	901.00			858.36		860.29			859.76	860.90	862.49	863.74	862.12	862.81
03U083	893.90			851.20		853.15			853.08	854.13	855.51	857.13	855.79	856.02
03U084	900.98			841.67		843.58			843.83	844.78	846.10	847.82	846.37	846.19
03L084	900.58			841.75		843.64			843.89	844.86	846.18	847.89	846.52	846.24
03U087	1006.79			852.07		881.09			854.19	875.20	856.54	858.22	857.05	857.33
03U088	986.36			852.61		854.69			854.67	855.69	857.07	858.70	857.51	857.81
03U089	975.30			852.58		854.62			854.61	855.64	857.01	858.63	857.45	857.74
03U090	984.92			850.81		852.88			853.05	853.98	855.31	856.99	856.04	856.09
03U092	963.30			849.61		851.64			851.98	852.86	854.12	855.89	854.99	854.99
03U093	996.01	849.98	849.50	849.66	850.85	851.71	852.31	851.65	851.98	852.91	854.21	856.02	854.97	855.06
03U094	999.64			849.84		851.99			852.31	853.00	854.32	855.98	855.21	855.20
03U096	997.02			849.78		851.84			852.06	852.99	854.33	856.08	854.94	855.12
03U111	927.69			858.19		860.36			859.84	861.03	862.51	863.93	862.39	863.21
03U112	980.80			851.18		853.21			853.47	854.37	855.72	857.40	856.48	856.54
03U113	976.83			851.72		853.79			853.95	854.90	856.19	857.89	856.89	857.07
03L113	977.15			851.63		853.67			853.71	854.83	856.07	857.80	856.73	856.95
03U301 (SC1)	957.41	826.86	829.41	829.16	830.41	827.01	829.11	828.41	829.25	829.81	839.71	838.31	839.11	836.31
03F302 (B1)	929.86	834.96	835.24	835.26	836.46	837.06	837.56	838.06	866.86	838.36	840.46	841.46	839.36	839.36
03F303 (B2)	925.04	817.64	810.69	806.44	806.54	806.14	806.54	821.14	821.04	821.54	821.24	820.96	827.84	827.14
03F304 (B3)	920.09	839.89	839.68	840.04	841.49	842.09	842.39	841.89	843.09	843.09	844.39	846.11	844.69	844.39
03F305 (B4)	915.75	836.01	835.45	835.50	836.55	837.35	837.85	837.45	836.75	839.15	840.95	841.75	839.75	839.95
03F306 (B5)	919.13	832.08	831.83	831.98	832.83	838.93	834.13	833.63	834.13	834.53	836.53	838.43	835.63	836.13
03F307 (B6)	913.46	826.46	913.46	825.96	827.16	830.36	826.66	826.76	858.46	826.56	827.26	826.76	821.66	814.86
03F308 (B7)	900.79	826.24	900.79	823.29	824.19	823.59	822.09	821.79	820.79	821.49	815.69	818.09	814.49	798.29
PJ#309 (B8)	914.35	838.15	838.25	838.65	839.55	840.35	840.85	840.15	839.35	841.55	842.35	844.05	842.75	842.45
PJ#310 (B9)	915.80	835.70	835.65	835.70	836.80	837.40	837.50	837.20	836.80	838.60	839.70	841.20	840.10	839.80
PJ#311 (B10)	905.97	837.72	905.97	837.02	838.77	839.27	838.47	838.52	837.97	840.27	841.47	842.97	841.77	839.67
03F312 (B11)	944.24	838.86	838.34	838.49	839.64	840.24	841.14	841.04	841.24	842.44	842.04	843.69	843.94	843.84
PJ#313 (B12)	895.63	837.43	836.53	836.91	838.03	838.73	838.83	838.13	807.63	839.63	841.63	842.23	840.63	839.13
03U314 (SC2)	978.02	845.10	840.07	840.60	846.22	841.32	846.72	848.22	845.02	846.52	844.22	848.52	846.32	850.42
03U315 (SC3)	965.27	842.25	842.42	842.62	843.87	844.77	845.47	844.27	828.27	845.07	845.57	853.87	840.67	839.97

APPENDIX F.1

HISTORICAL TGRS, TCAAP GROUNWATER ELEVATIONS (FT. AMSL)

Location On TCAAP	*TOC Elevation*	*6/3/91*	*9/3/91*	*9/27/91*	*12/6/91*	*3/24/92*	*6/1/92*	*9/1/92*	*10/8/92*	*3/2/93*	*9/10/93*	*3/1/94*	*9/2/94*	*3/9/95*
03U316 (SC4)	957.13	831.93	832.13	832.63	833.63	836.53	838.53	839.53	843.13	836.83	841.73	844.83	844.63	840.73
03U317 (SC5)	952.62	843.92	842.72	842.22	843.82	844.12	844.42	843.72	843.62	844.92	844.82	848.32	844.02	842.12
04U510	911.19			860.83		862.56			862.18	863.12	865.00	865.84	864.03	865.00
OW543U3	958.99			846.86		848.59			848.68	849.56	850.79	852.78	851.82	851.82
03U647	962.25			847.35		849.31			849.84	850.61	851.70	853.65	852.72	852.74
03U648	963.14			847.59		849.56			850.07	850.87	851.97	853.90	852.94	852.97
03U658	966.24			848.29		850.28			850.86	851.63	852.76	854.59	853.69	853.66
03U659	958.62			845.89		847.80			848.36	849.15	850.26	852.30	851.35	851.29
03U671	933.13			842.99		844.82			845.39	846.24	847.53	849.54	848.45	848.25
03U674	957.21			844.56		846.42			846.97	847.82	848.97	851.11	850.15	850.06
03U701	911.10			840.80		842.75			843.02	843.98	845.28	846.98	845.48	845.32
04U701	911.24			839.19		841.06			841.26	842.13	843.44	845.08	843.55	843.27
03U702	910.53			840.42		842.35			842.61	843.58	844.87	846.55	845.03	844.85
04U702	910.44			839.87		841.82			842.00	842.95	844.26	845.92	844.37	844.13
04J702	910.51			839.53		841.46			841.56	842.49	843.80	845.45	843.87	843.56
03U703	921.25			840.10		841.90			842.69	843.55	845.01	846.90	846.05	845.93
03U704	978.47	854.25	853.57	854.02	855.25	856.04	856.47	855.45	855.97	857.01	858.41	859.99	858.81	859.15
03U705	1049.55	854.80	854.05	854.55	855.80	856.64	857.03	855.98	856.53	857.54	858.80	860.55	859.30	859.74
03U706	920.63	854.65	853.87	854.45	855.59	856.39	854.57	855.61	856.21	857.27	858.73	860.24	858.91	859.34
03U707	918.28			855.14		857.11			856.80	857.88	859.37	860.84	859.36	859.90
03U708	921.97			842.42		844.22			844.83	845.67	847.02	848.93	847.76	847.62
04U708	921.66			841.35		843.23			843.62	844.52	845.81	847.44	846.09	845.94
04J708	922.04			840.81		842.63			843.00	843.88	845.03	846.66	845.28	845.08
03U709	912.63			841.74		843.64			844.00	844.91	846.29	848.03	846.67	846.64
04U709	912.52			840.32		842.20			842.51	843.44	844.66	846.31	844.89	844.61
03U710	946.76			842.54		844.32			845.14	845.90	847.11	849.03	848.07	847.86
03U711	908.81	841.33	839.64	839.95	842.59	843.50	843.40	842.99	843.42	844.26	845.68	847.27	845.99	846.03
04U711	908.73	840.28	840.73	840.84	841.44	841.91	842.17	841.78	842.32	843.19	844.37	846.05	844.52	844.63
03M713	898.41	840.03	839.15	839.60	840.89	841.47	841.44	840.99	841.71	842.74	844.00	845.73	844.31	843.67
04U713	897.73	842.42	841.70	842.06	843.35	844.01	844.15	843.65	844.21	845.16	846.48	848.19	846.83	846.38
04J713	898.38	839.74	838.88	839.34	840.65	841.20	841.14	840.71	841.38	842.38	844.02	845.48	844.18	842.85
04U714	893.89	841.08	840.15	840.70	841.98	842.54	842.32	841.94	842.69	843.77	845.20	847.15	845.15	844.62
04J714	894.19	840.94	840.05	840.57	841.88	842.42	842.29	841.84	842.59	843.68	845.10	847.11	845.03	844.46
03U715	963.59	848.83	848.32	848.50	849.70	850.50	851.26	850.69	850.95	851.84	853.04	854.81	853.92	853.91
03U716	952.10	847.63	847.10	847.30	848.57	849.18	849.88	849.31	849.68	850.48	851.87	853.71	852.48	852.60
E101	970.12											859.33	858.12	858.41
E102	981.54											859.04	857.87	858.14

APPENDIX F.1

HISTORICAL TGRS, TCAAP GROUNWATER ELEVATIONS (FT. AMSL)

Location	*TOC Elevation*	*6/3/91*	*9/3/91*	*9/27/91*	*12/6/91*	*3/24/92*	*6/1/92*	*9/1/92*	*10/8/92*	*3/2/93*	*9/10/93*	*3/1/94*	*9/2/94*	*3/9/95*
On TCAAP														
E103	971.61											859.71	858.51	858.81
Staff Gauges														
S.G. #1	860.42			865.66		867.57			854.27	866.92	867.87	869.82	868.64	N/A
S.G. #2	862.84			865.89		867.81			858.87	868.14	868.14	870.04	868.88	N/A
S.G. #3	865.29			866.04		867.47			864.11	867.59	867.59	N/A	N/A	N/A
Off TCAAP														
MPCA6	914.40			838.60		840.55			840.78	841.80	843.15	844.71	843.17	843.23
03U672 (PD2U3)	923.72	845.36	845.11	845.05	846.32	846.90	847.68	847.34	847.76	848.40	849.51	851.36	850.47	850.57
03U673 (PD3U3)	897.84	838.73	838.19	838.39	839.50	840.08	840.61	840.11	840.82	841.53	842.74	844.14	843.84	843.31
03L673 (PD3L3)	898.44	837.67	836.99	837.29	838.54	838.66	839.48	838.96	839.68	840.46	841.67	843.20	841.87	842.12
04U673 (PD3U4)	898.34	837.79	837.12	837.44	838.69	839.82	839.59	839.10	839.79	840.62	841.82	843.35	841.99	842.24
03U801 (T1U3)	914.82	842.12	841.17	841.28	842.52	843.15	843.73	843.47	843.87	844.62	846.01	847.59	846.56	846.62
03M802 (T2M3)	907.38	841.80	841.43	841.51	842.76	843.30	844.01	843.83	844.15	844.86	846.29	848.00	847.03	847.08
03L802 (T2L3)	907.93	841.92	841.53	841.69	842.93	843.51	844.11	843.87	844.29	845.00	846.33	847.93	846.93	846.96
04U802 (T2U4)	905.95	841.68	841.20	841.44	842.67	843.22	843.67	843.38	843.89	844.70	845.93	847.53	846.44	846.67
PJ#802 (T2PJ)	905.07	841.49	840.97	841.21	842.43	842.95	843.14	842.95	843.54	844.30	845.51	847.07	845.82	845.91
03U803 (T3U3)	900.89			840.49		842.25			843.08	843.79	845.11	846.53	845.52	845.73
03U804 (T4U3)	913.02			841.13		843.07			843.51	844.34	845.77	847.31	846.08	846.09
03U805 (T5U3)	908.23			839.76		841.73			842.01	842.93	844.26	845.85	844.44	844.47
03U806 (T6U3)	911.96	840.44	839.70	840.06	841.39	842.04	842.10	841.66	842.29	843.25	844.57	846.24	844.75	844.74
03M806 (T6M3)	911.87	839.72	839.07	839.42	840.73	841.45	841.47	841.03	841.63	842.57	843.91	845.54	844.02	844.03
03L806 (T6L3)	912.16	839.74	839.02	839.38	840.70	841.42	841.43	841.00	841.60	842.57	843.89	845.53	844.03	844.02
04U806 (T6U4)	912.12	839.57	838.86	839.23	840.55	841.22	841.22	840.77	841.41	842.37	843.67	845.32	843.79	843.78
PJ#806 (T6PJ)	911.03	839.55	838.83	839.20	840.52	841.17	841.16	840.73	841.38	842.33	843.67	845.25	843.74	843.71
03L809 (T9L3)	914.32			840.83		842.80			843.02	843.99	845.32	846.94	845.36	845.41
03L841 (301L3)	911.91			836.66		838.61			838.99	839.85	841.05	842.59	841.13	841.42
04U841 (301U4)	913.77			838.10		840.05			840.42	841.28	842.50	844.05	842.57	842.83
04U847 (307U4)	916.10			837.70		839.65			839.91	840.93	842.22	843.80	842.20	842.35
03L833	908.02											845.62	844.05	844.04
04U833	908.32											845.20	843.57	843.38
PJ#074	956.46											NT	NT	
04U835	977.84											NT	NT	
											845.62	844.05	844.04	843.37
											845.20	843.57	843.38	842.72

APPENDIX F.1

HISTORICAL TGRS, TCAAP GROUNWATER ELEVATIONS (FT. AMSL)

Location On TCAAP	*TOC Elevation*	*9/6/95*
03U001	891.20	844.72
03M001	890.76	845.12
03L001	891.37	845.43
04U001	891.28	844.77
03U002	919.89	847.02
03M002	922.40	846.09
03L002	922.21	846.03
04U002	923.18	844.93
03U003	945.00	848.89
03M003	945.55	848.77
03L003	946.83	848.20
04U003	946.07	846.47
PJ#003	946.47	845.43
03U004	953.00	852.88
03M004	952.55	853.42
03L004	952.02	851.41
03U005	973.07	854.37
03M005	974.52	854.40
03L005	974.08	854.47
03U006	969.09	856.40
03U007	902.63	857.75
03M007	903.77	857.67
03L007	904.41	857.43
04U007	905.50	857.09
03U008	917.36	863.27
03U009	915.25	865.18
03U010	891.00	865.20
03M010	891.46	865.18
03L010	891.76	865.05
03U011	902.99	862.81
03U012	882.83	857.99
03M012	882.73	857.99
03L012	882.63	857.94
04U012	882.78	857.82
03U013	893.02	849.22
03M013	892.40	849.17
03L013	892.60	849.02

APPENDIX F.1

HISTORICAL TGRS, TCAAP GROUNWATER ELEVATIONS (FT. AMSL)

Location On TCAAP	*TOC Elevation*	*9/6/95*
03U014	990.27	853.04
03L014	991.57	855.38
03U015	937.68	855.06
03U016	950.05	857.79
03U017	941.31	851.13
03M017	941.93	851.08
03L017	942.07	851.07
03U018	991.62	854.31
03L018	991.49	854.10
03U019	946.54	855.67
03U020	955.70	851.23
03M020	957.03	851.04
03L020	956.73	851.14
04U020	957.86	850.78
03U021	947.30	849.04
03L021	946.74	848.60
03U022	901.88	859.58
03U023	901.51	859.08
03U024	896.99	858.01
03U025	889.07	855.63
03U027	968.80	851.59
03L027	969.42	851.46
04U027	969.49	849.71
PJ#027	970.05	849.69
03U028	959.76	850.82
03L028	958.93	850.75
03U029	957.27	849.23
03L029	956.95	849.59
03U030	961.42	852.42
03U031	900.94	852.35
03U032	1006.57	856.30
03U075	887.03	848.37
03U076	891.41	846.61
03U077	914.94	845.39
03L077	914.88	843.60
04U077	914.57	843.65
04J077	914.60	840.67

APPENDIX F.1

HISTORICAL TGRS, TCAAP GROUNWATER ELEVATIONS (FT. AMSL)

Location On TCAAP	TOC *Elevation*	*9/6/95*
03U078	929.85	846.42
03L078	930.18	846.28
03U079	925.99	845.45
03L079	926.29	846.26
03L080	963.45	852.51
03L081	948.96	854.98
03U082	901.00	862.00
03U083	893.90	855.37
03U084	900.98	845.73
03L084	900.58	845.77
03U087	1006.79	856.59
03U088	986.36	857.07
03U089	975.30	857.01
03U090	984.92	855.33
03U092	963.30	854.20
03U093	996.01	854.36
03U094	999.64	854.42
03U096	997.02	854.44
03U111	927.69	862.29
03U112	980.80	855.77
03U113	976.83	856.34
03L113	977.15	856.26
03U301 (SC1)	957.41	836.91
03F302 (B1)	929.86	838.66
03F303 (B2)	925.04	829.04
03F304 (B3)	920.09	843.89
03F305 (B4)	915.75	839.25
03F306 (B5)	919.13	834.93
03F307 (B6)	913.46	813.36
03F308 (B7)	900.79	796.79
PJ#309 (B8)	914.35	841.85
PJ#310 (B9)	915.80	838.90
PJ#311 (B10)	905.97	839.37
03F312 (B11)	944.24	842.74
PJ#313 (B12)	895.63	839.93
03U314 (SC2)	978.02	846.42
03U315 (SC3)	965.27	836.97

APPENDIX F.1

HISTORICAL TGRS, TCAAP GROUNWATER ELEVATIONS (FT. AMSL)

Location On TCAAP	*TOC Elevation*	*9/6/95*
03U316 (SC4)	957.13	837.33
03U317 (SC5)	952.62	839.42
04U510	911.19	864.42
OW543U3	958.99	851.03
03U647	962.25	851.89
03U648	963.14	852.12
03U658	966.24	852.87
03U659	958.62	850.48
03U671	933.13	847.91
03U674	957.21	849.28
03U701	911.10	844.84
04U701	911.24	842.77
03U702	910.53	844.39
04U702	910.44	843.65
04J702	910.51	843.08
03U703	921.25	845.80
03U704	978.47	858.40
03U705	1049.55	858.81
03U706	920.63	858.44
03U707	918.28	858.94
03U708	921.97	847.26
04U708	921.66	845.46
04J708	922.04	844.54
03U709	912.63	846.11
04U709	912.52	844.18
03U710	946.76	847.59
03U711	908.81	845.41
04U711	908.73	843.97
03M713	898.41	843.35
04U713	897.73	845.92
04J713	898.38	842.69
04U714	893.89	844.31
04J714	894.19	844.17
03U715	963.59	853.08
03U716	952.10	851.89
E101	970.12	857.69
E102	981.54	857.42

APPENDIX F.1

HISTORICAL TGRS, TCAAP GROUNWATER ELEVATIONS (FT. AMSL)

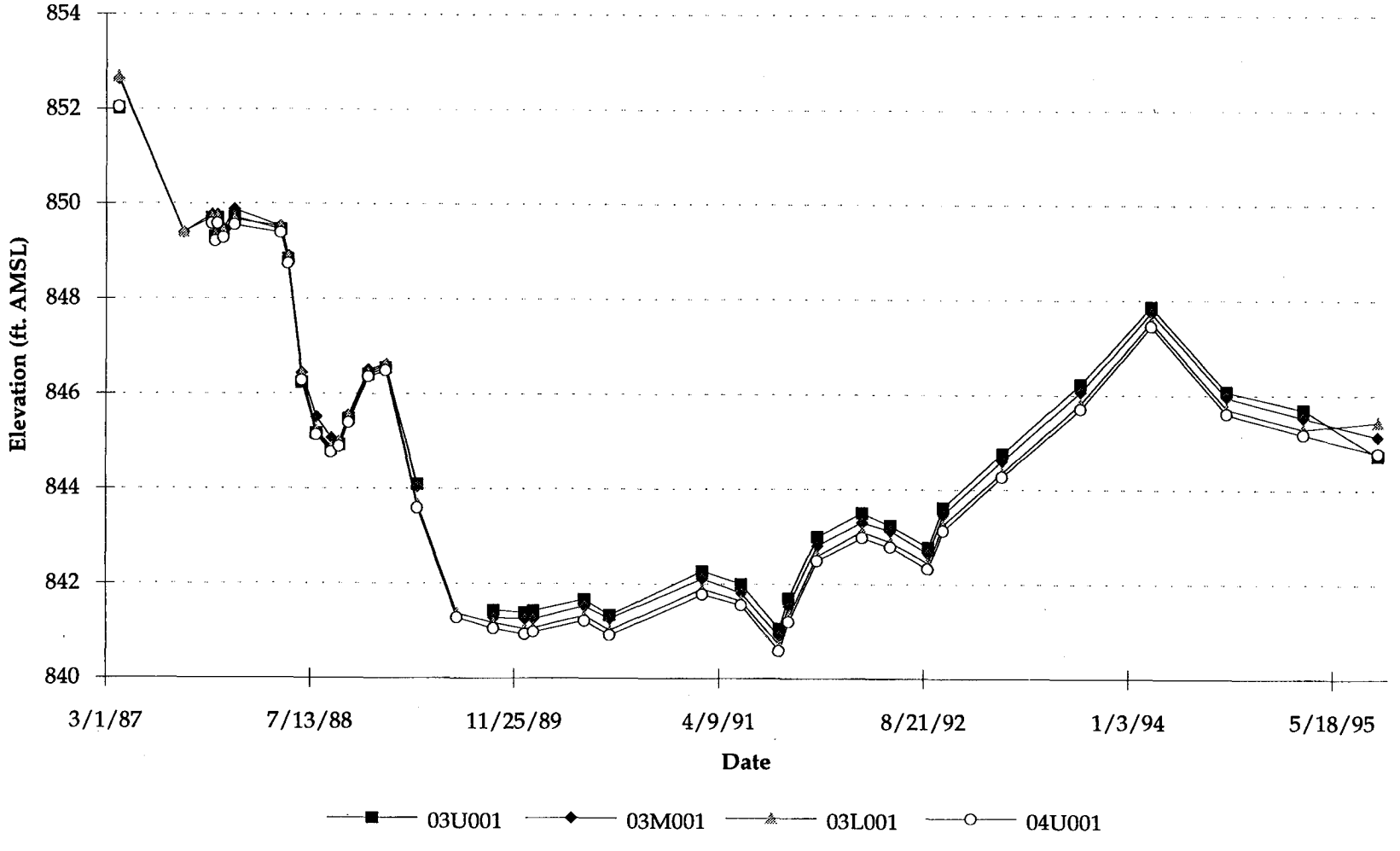
Location	*TOC Elevation*	*9/6/95*
On TCAAP		
E103	971.61	858.10
Staff Gauges		
S.G. #1	860.42	
S.G. #2	862.84	
S.G. #3	865.29	
Off TCAAP		842.54
MPCA6	914.40	850.04
03U672 (PD2U3)	923.72	842.55
03U673 (PD3U3)	897.84	841.34
03L673 (PD3L3)	898.44	841.49
04U673 (PD3U4)	898.34	846.05
03U801 (T1U3)	914.82	846.60
03M802 (T2M3)	907.38	846.43
03L802 (T2L3)	907.93	846.00
04U802 (T2U4)	905.95	845.29
PJ#802 (T2PJ)	905.07	845.14
03U803 (T3U3)	900.89	845.44
03U804 (T4U3)	913.02	843.79
03U805 (T5U3)	908.23	844.10
03U806 (T6U3)	911.96	843.35
03M806 (T6M3)	911.87	843.33
03L806 (T6L3)	912.16	843.08
04U806 (T6U4)	912.12	843.01
PJ#806 (T6PJ)	911.03	844.72
03L809 (T9L3)	914.32	840.53
03L841 (301L3)	911.91	841.99
04U841 (301U4)	913.77	841.64
04U847 (307U4)	916.10	843.37
03L833	908.02	842.72
04U833	908.32	
PJ#074	956.46	
04U835	977.84	

Appendix F.2

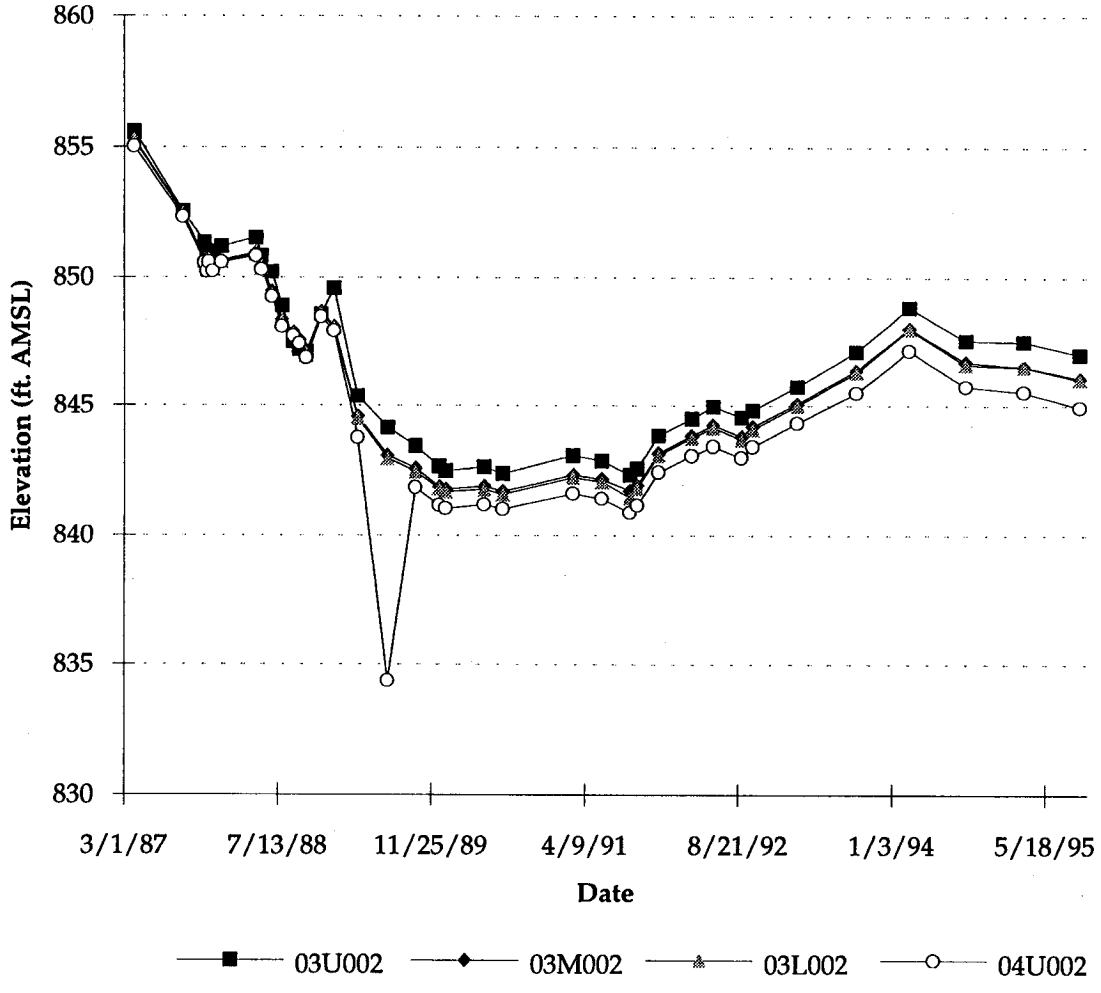
Hydrograph - 001 Nest

APPENDIX F.2

HYDRPGRAPH - 001 NEST

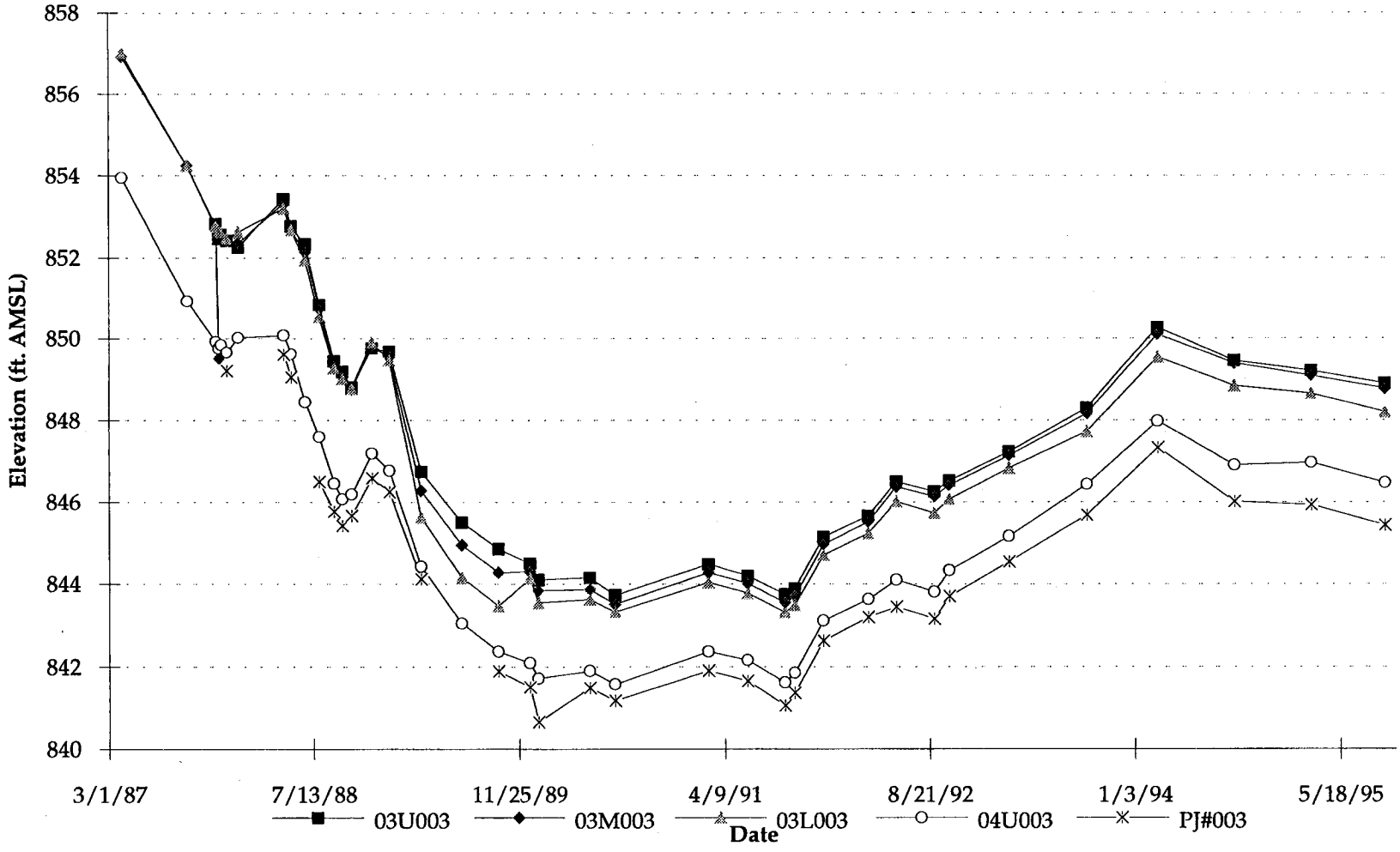


HYDROGRAPH - 002 NEST



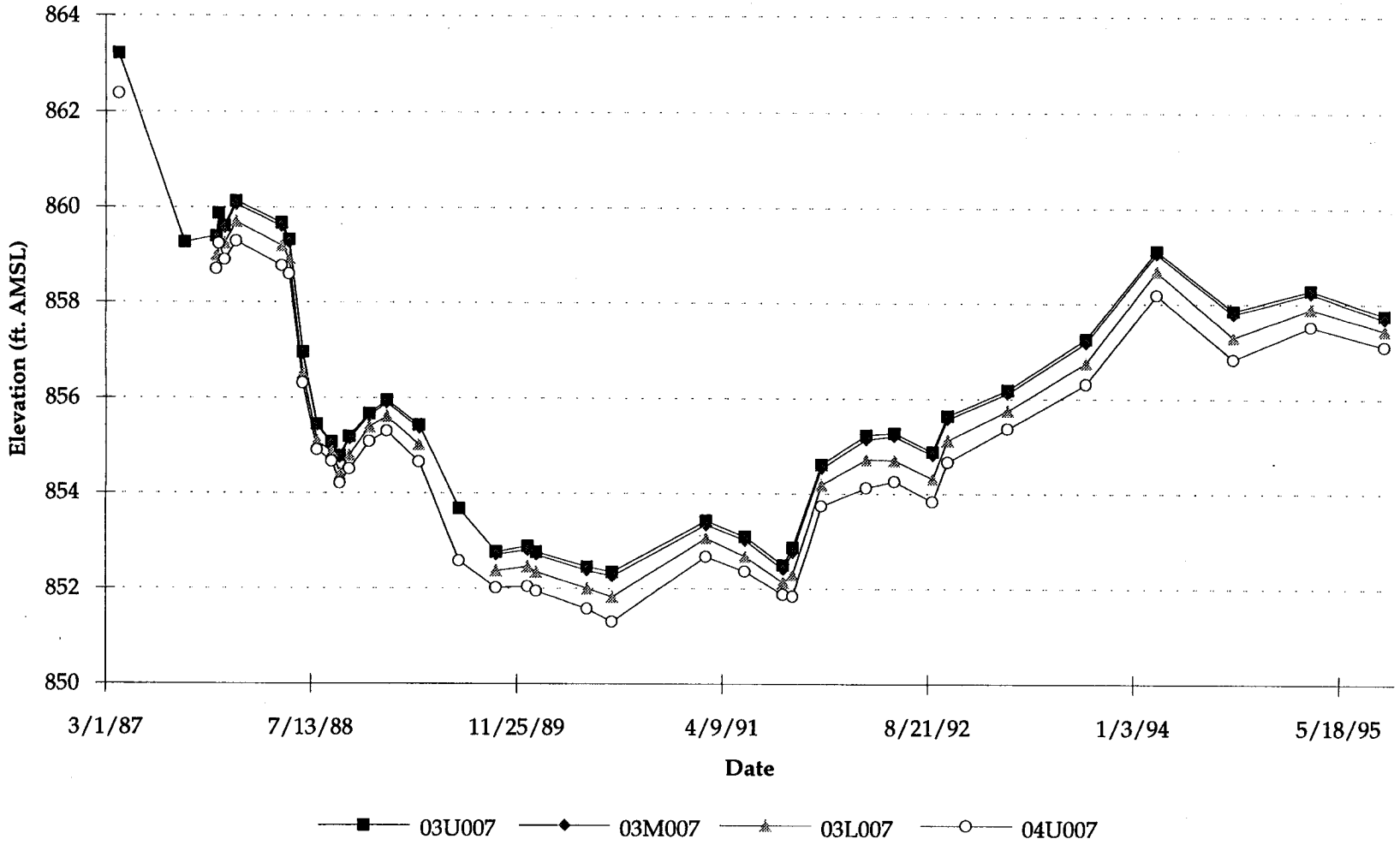
APPENDIX F.2

HYDROGRAPH - 003 NEST

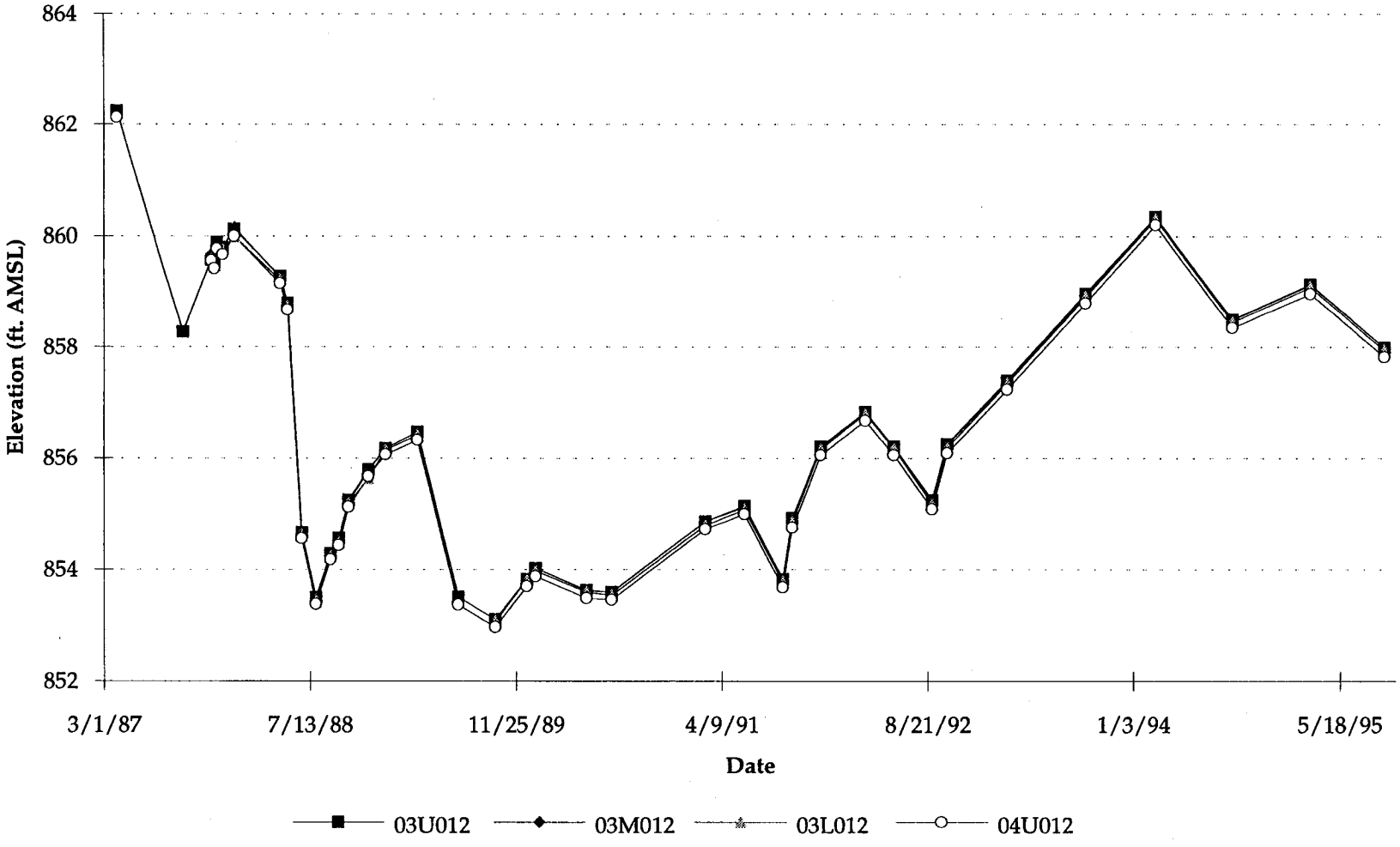


APPENDIX F.2

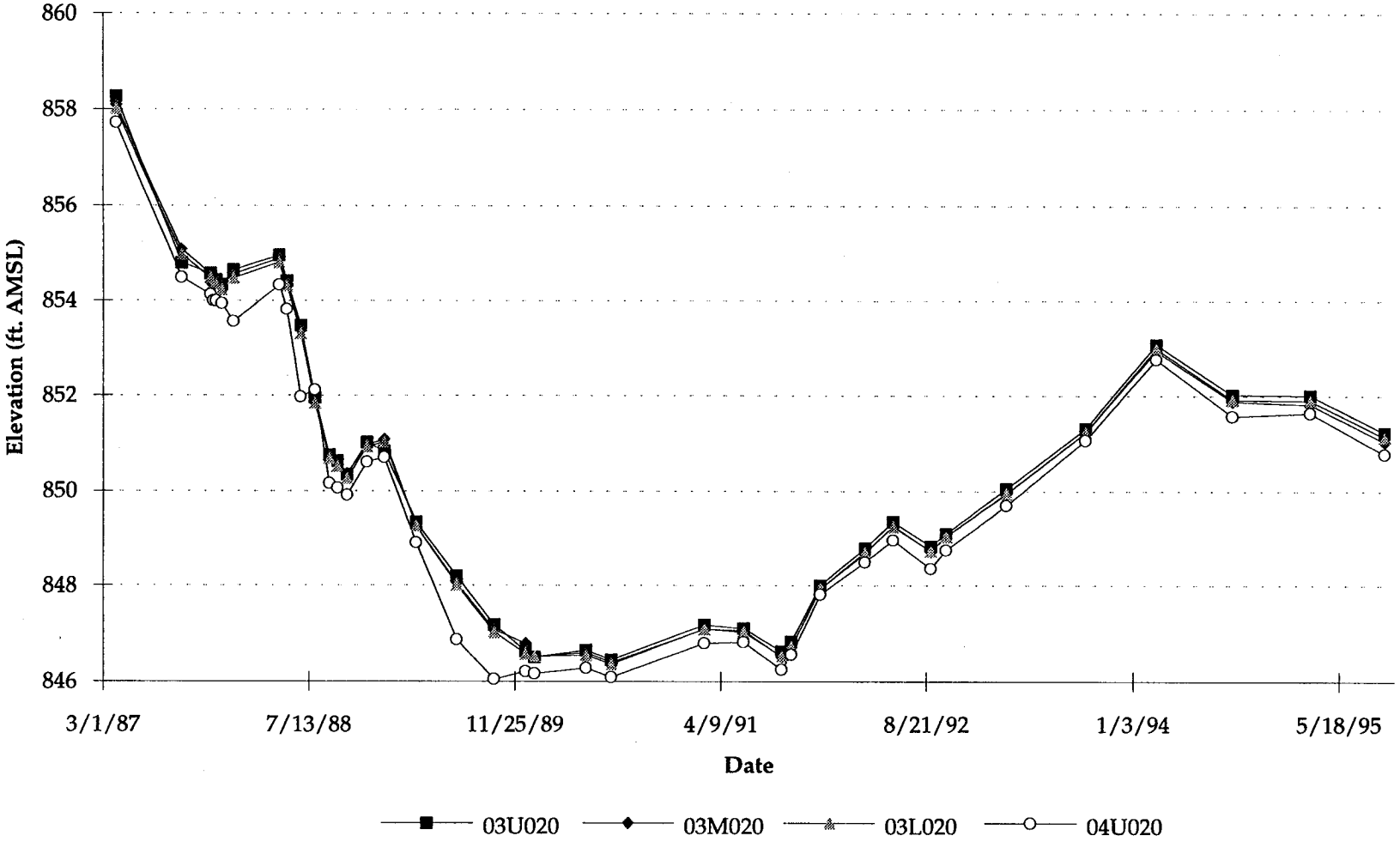
HYDROGRAPH - 007 NEST



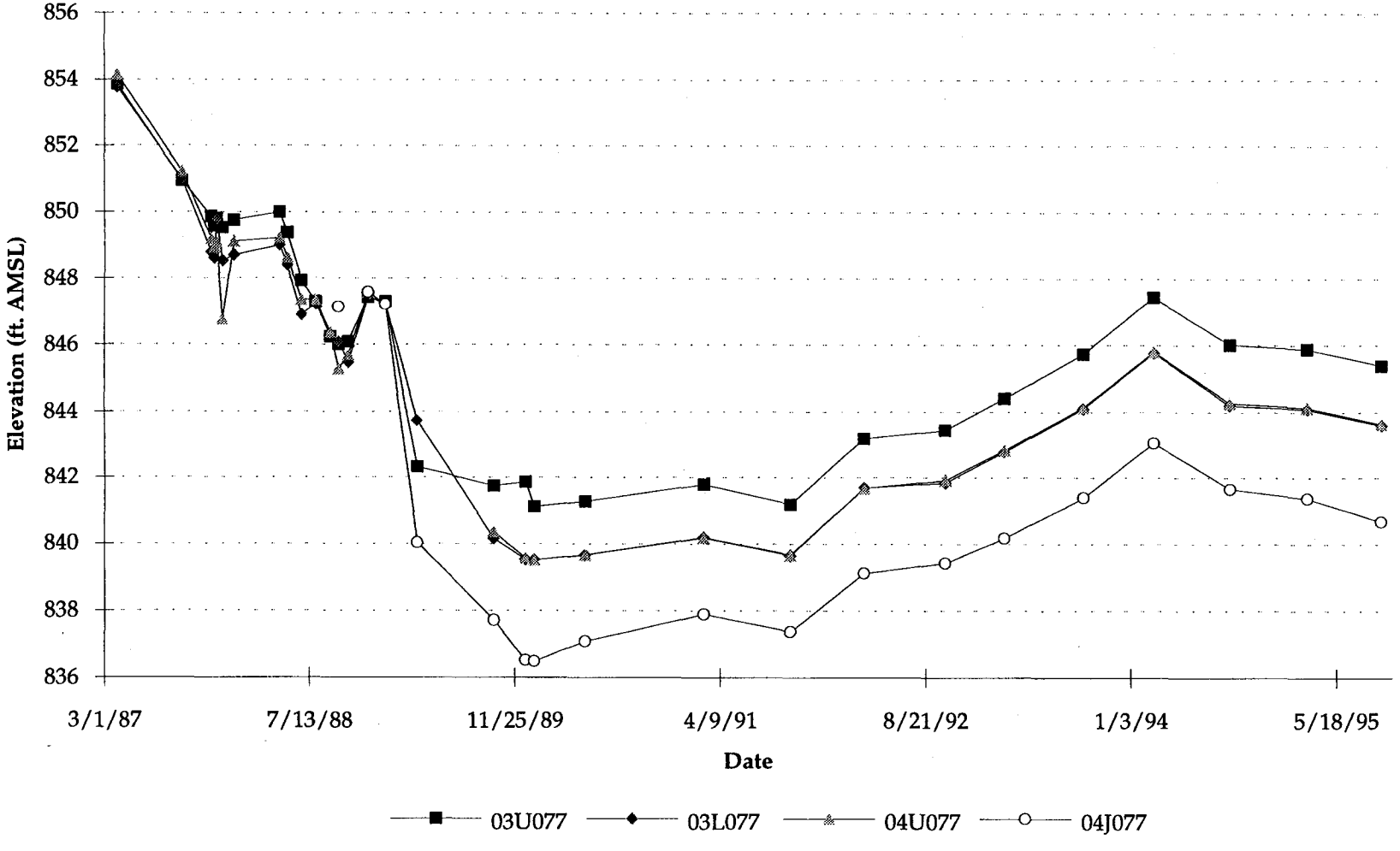
HYDROGRAPH - 012 NEST



HYDROGRAPH - 020 NEST

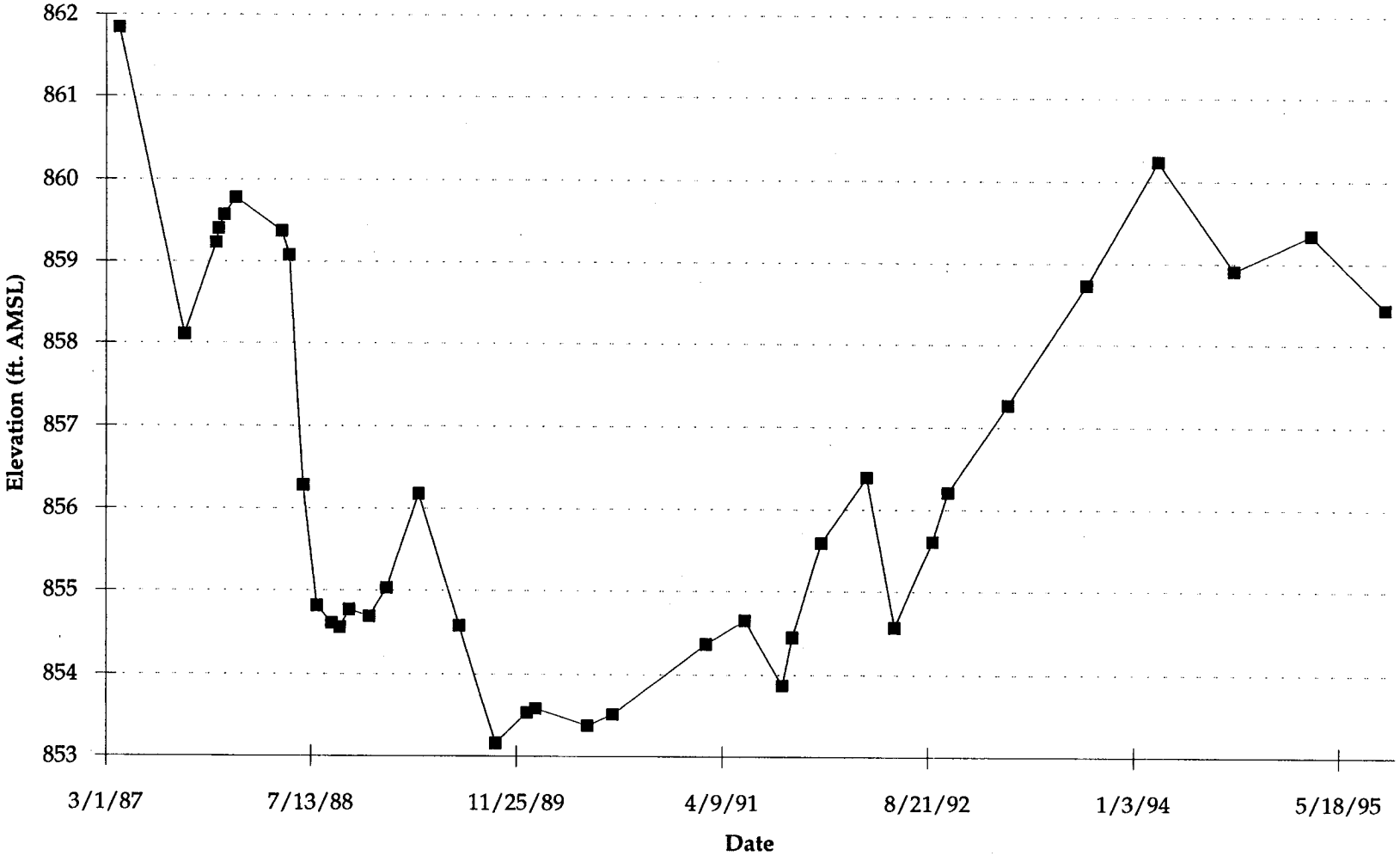


HYDROGRAPH - 077 NEST



APPENDIX F.2

HYDROGRAPH - 706 WELL



APPENDIX G

Appendix G

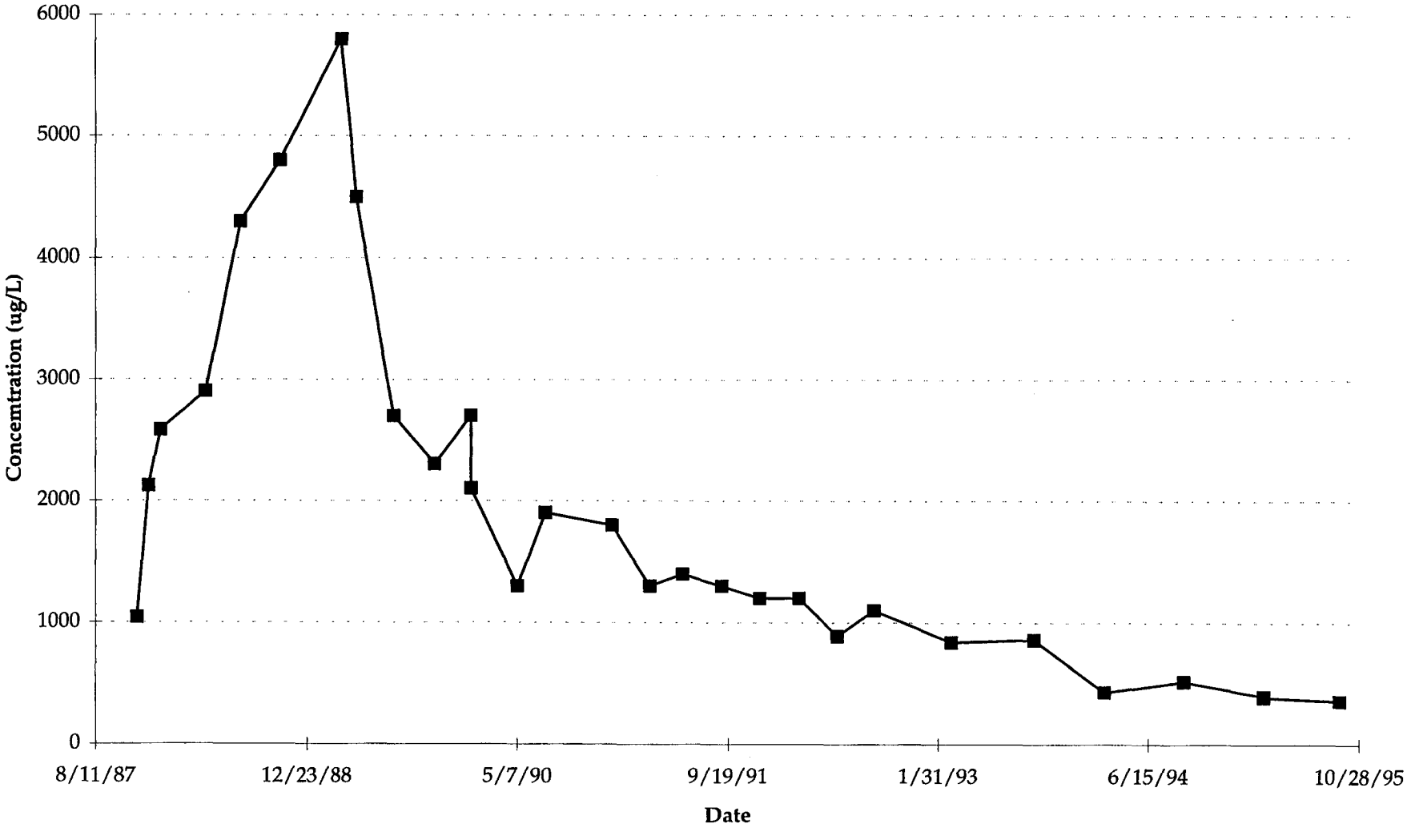
TGRS Chemical Data

Appendix G.1

Extraction Well B1 - TRCLE vs. Time

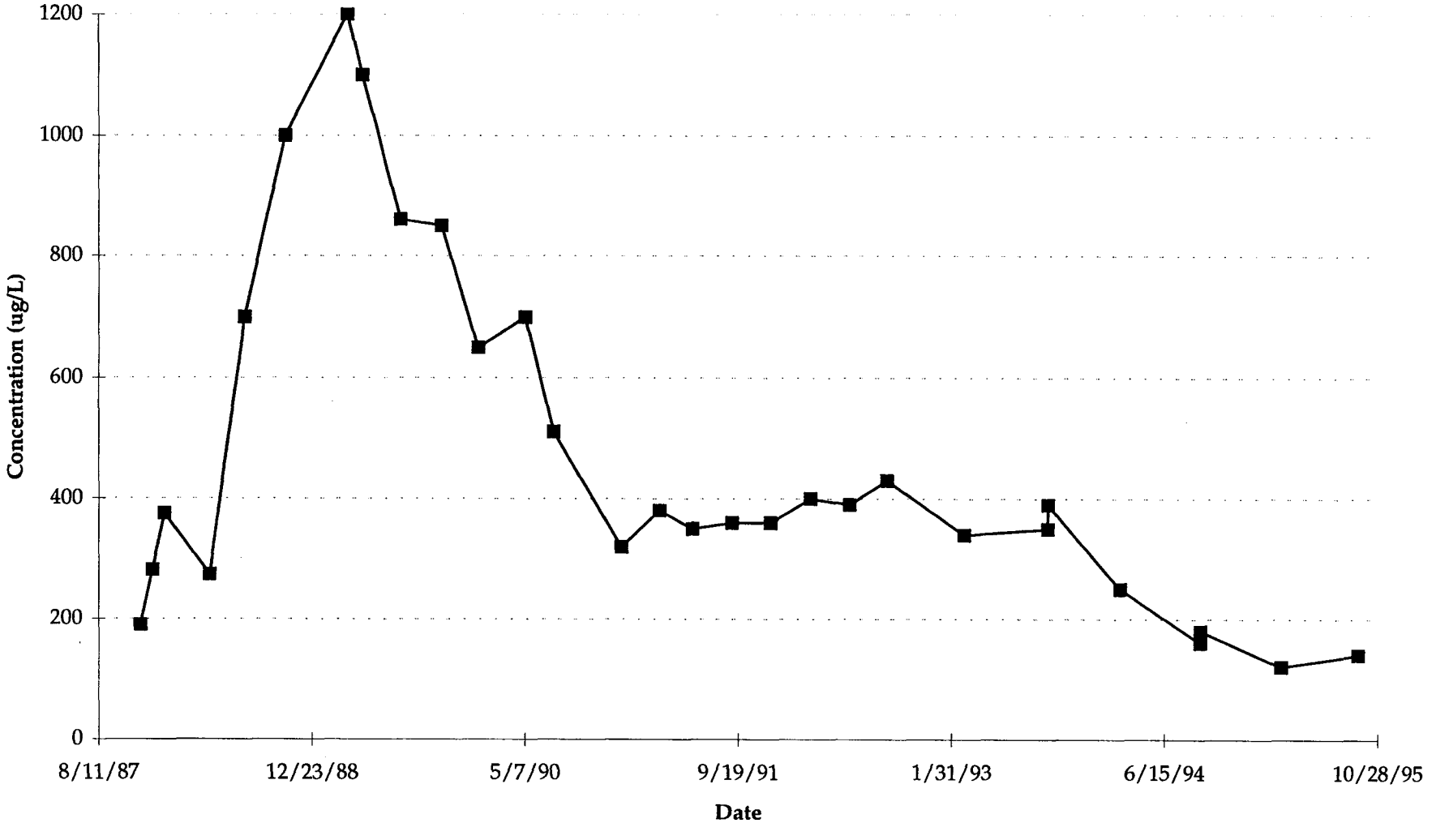
APPENDIX G.1

EXTRACTION WELL B1 - TRCLE VS. TIME



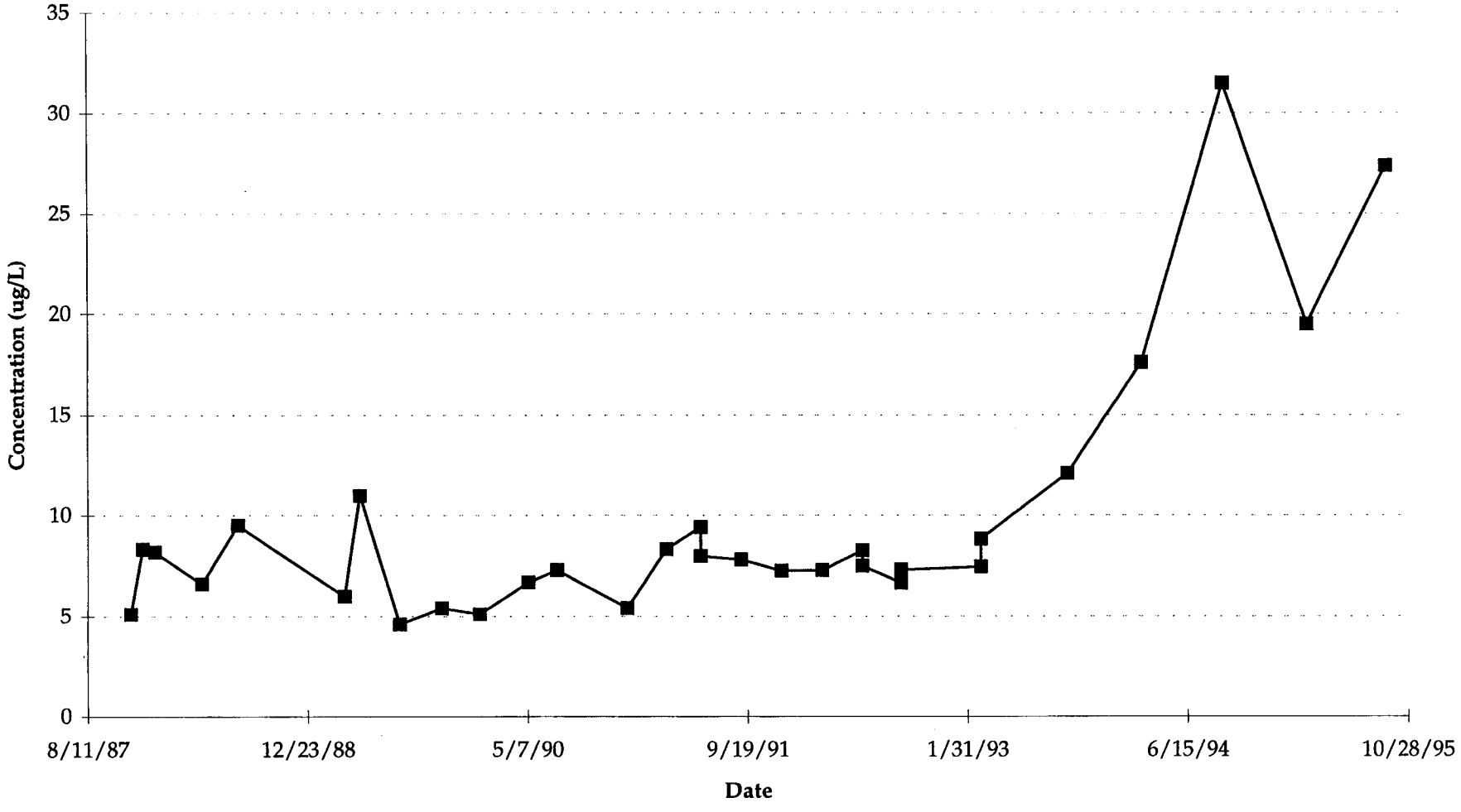
APPENDIX G.1

EXTRACTION WELL B2 - TRCLE VS. TIME



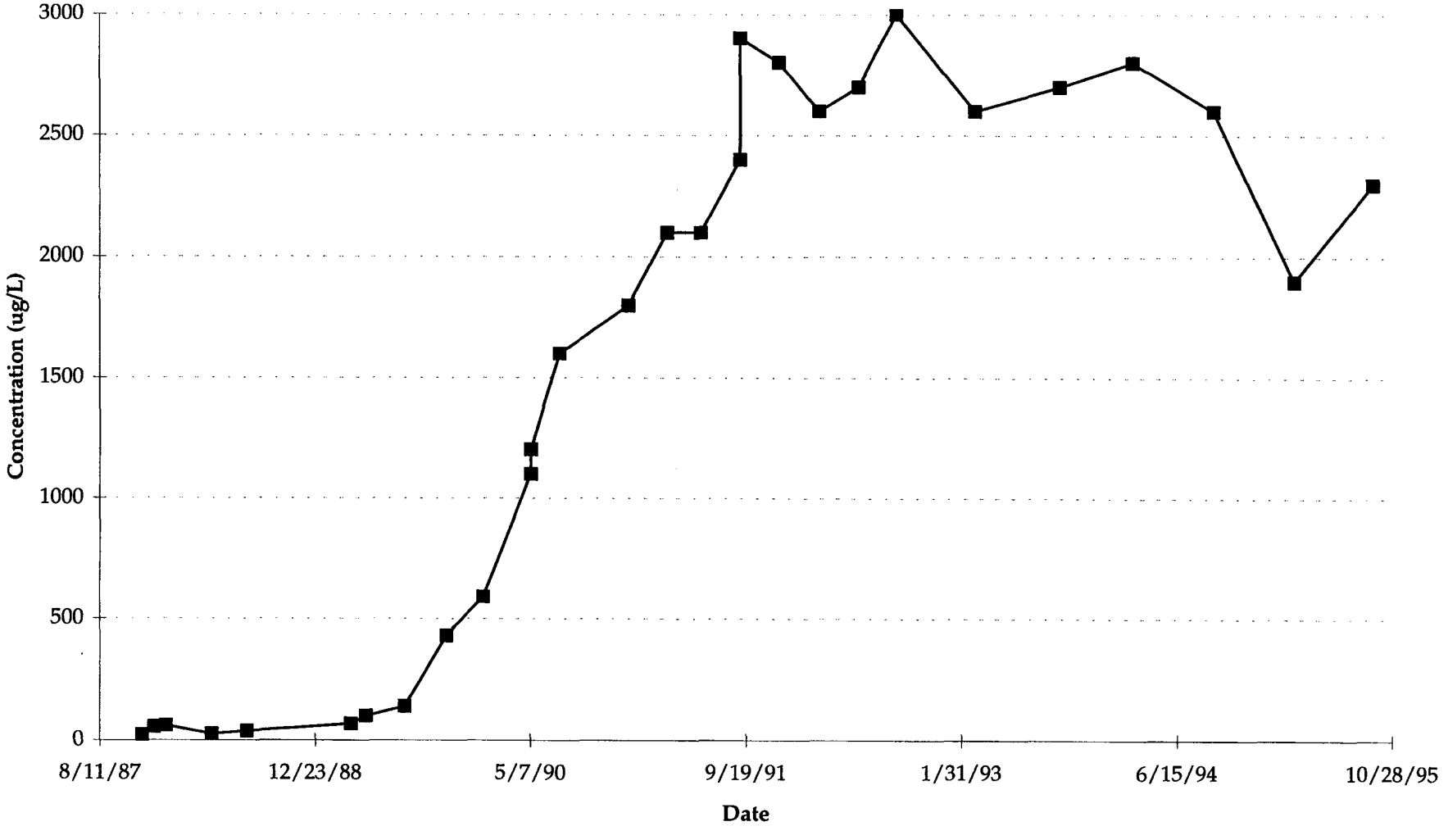
APPENDIX G.1

EXTRACTION WELL B3 - TRCLE VS. TIME



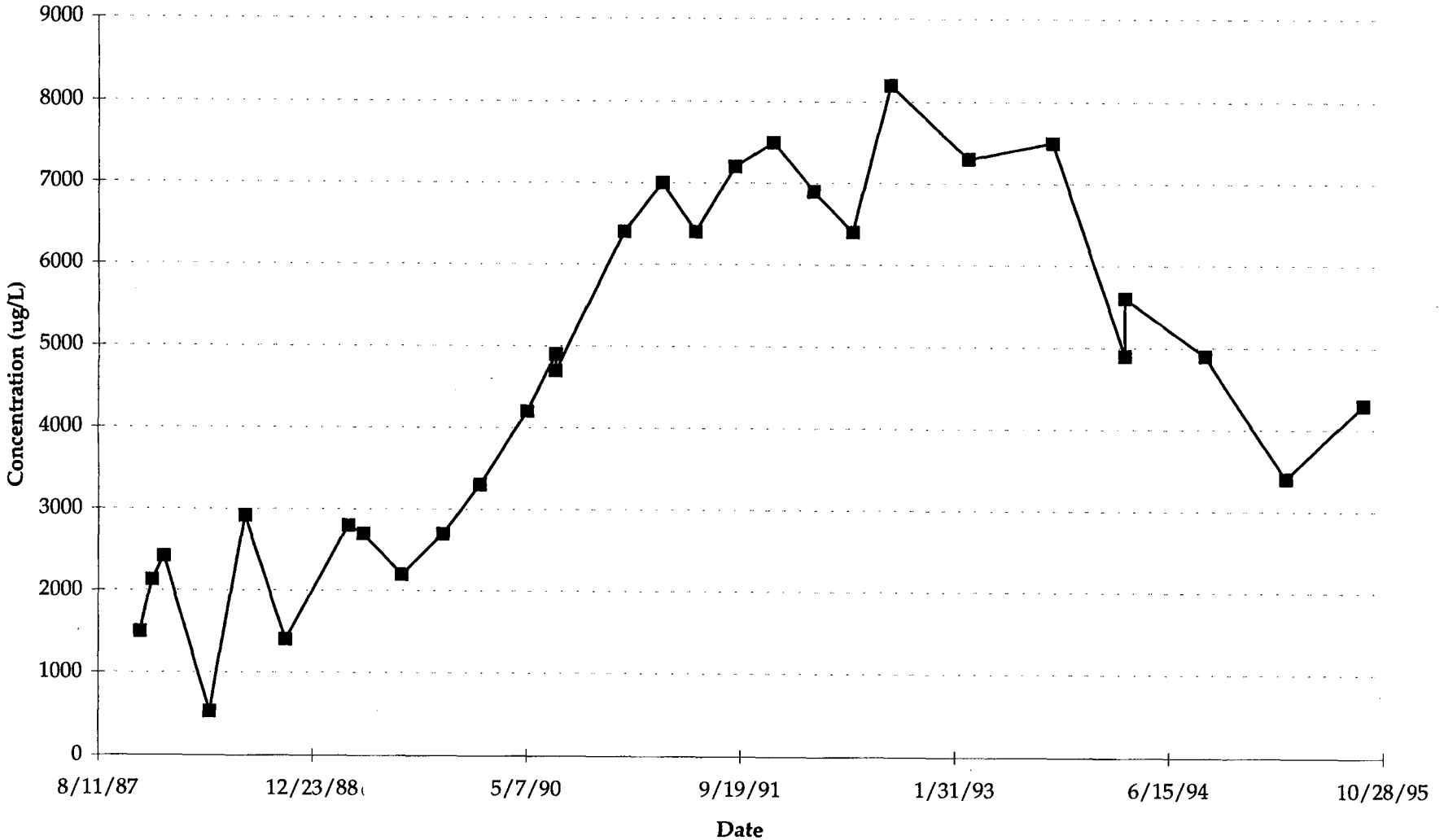
APPENDIX G.1

EXTRACTION WELL B4 - TRCLE VS. TIME



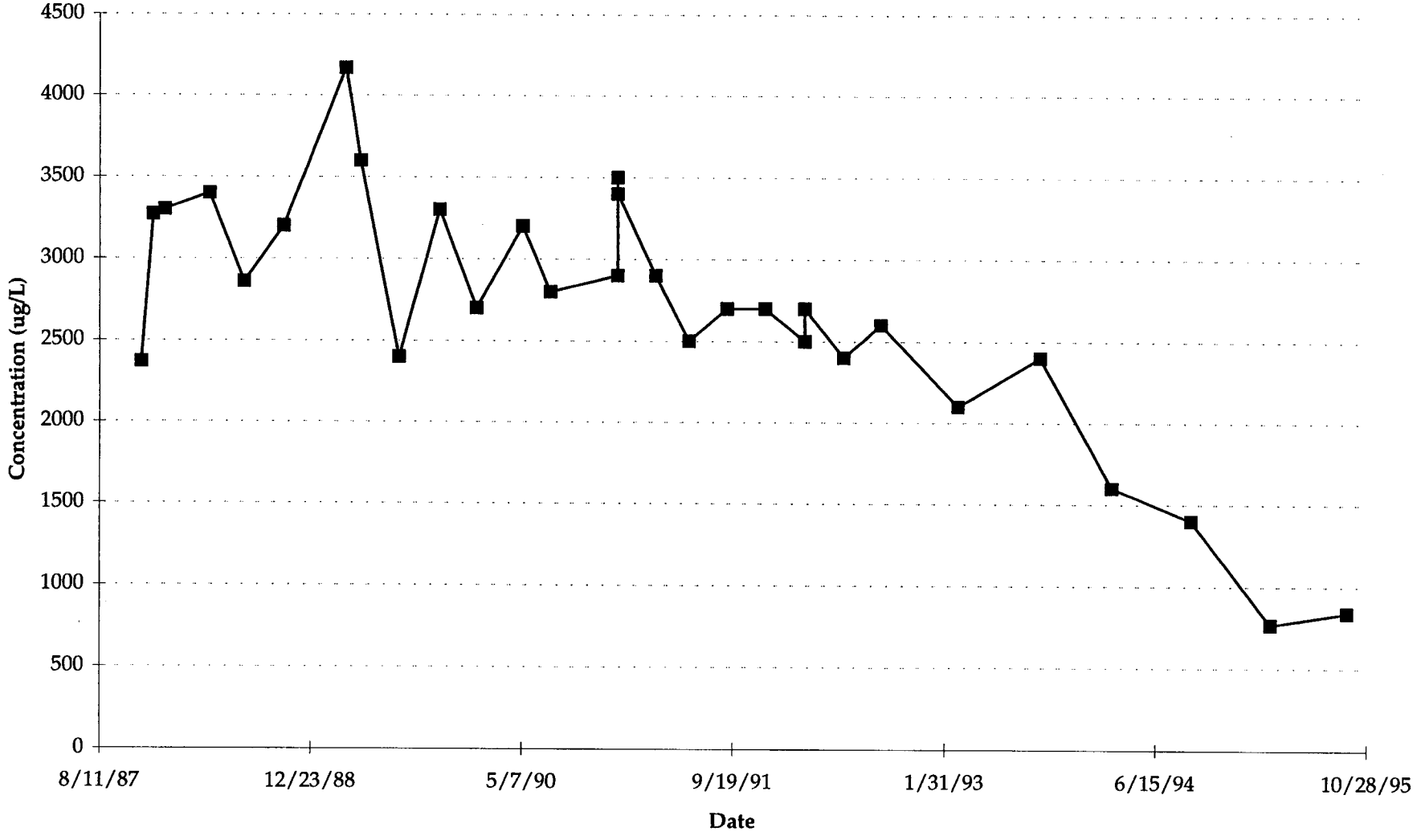
APPENDIX G.1

EXTRACTION WELL B5 - TRCLE VS. TIME



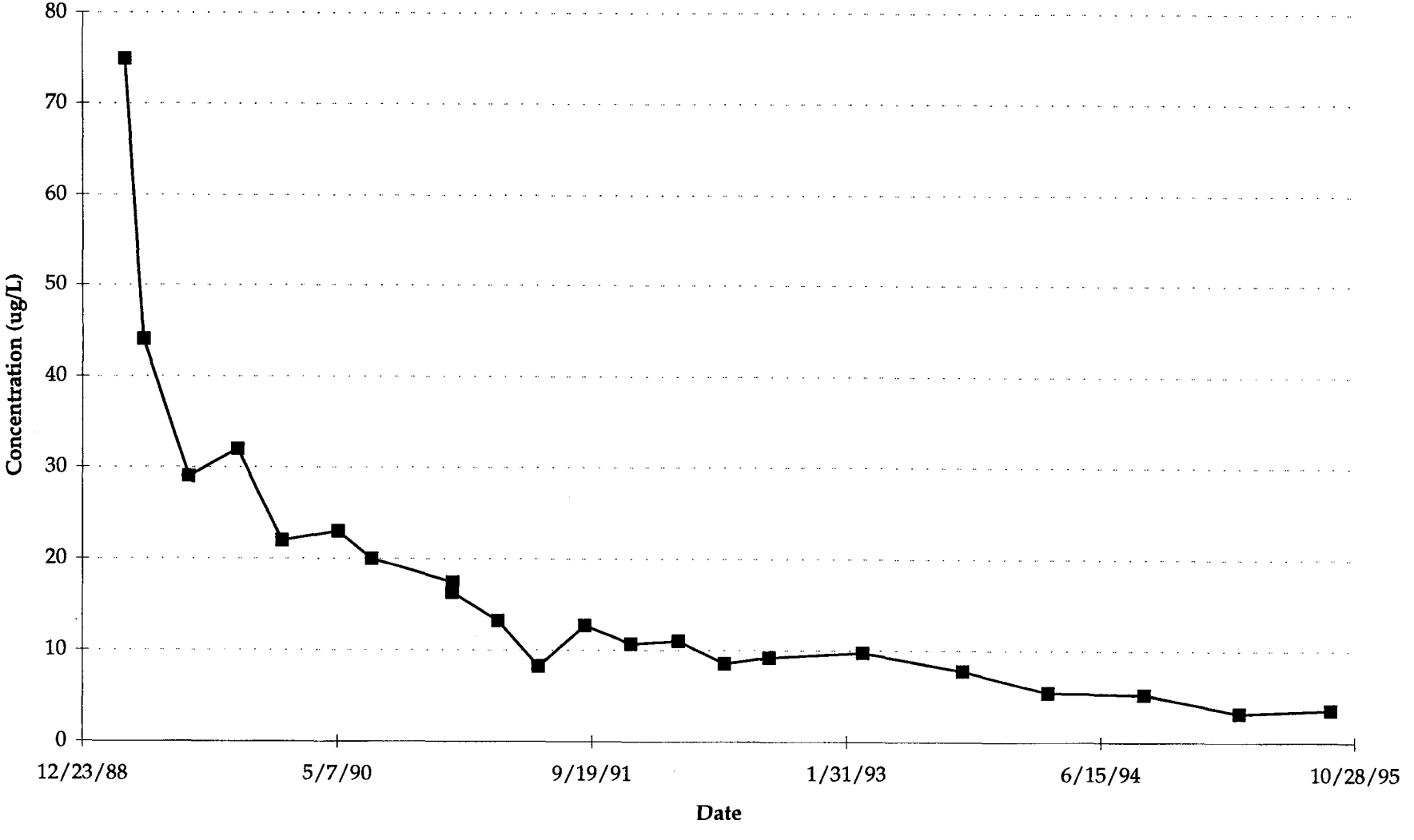
APPENDIX G.1

EXTRACTION WELL B6 - TRCLE VS. TIME



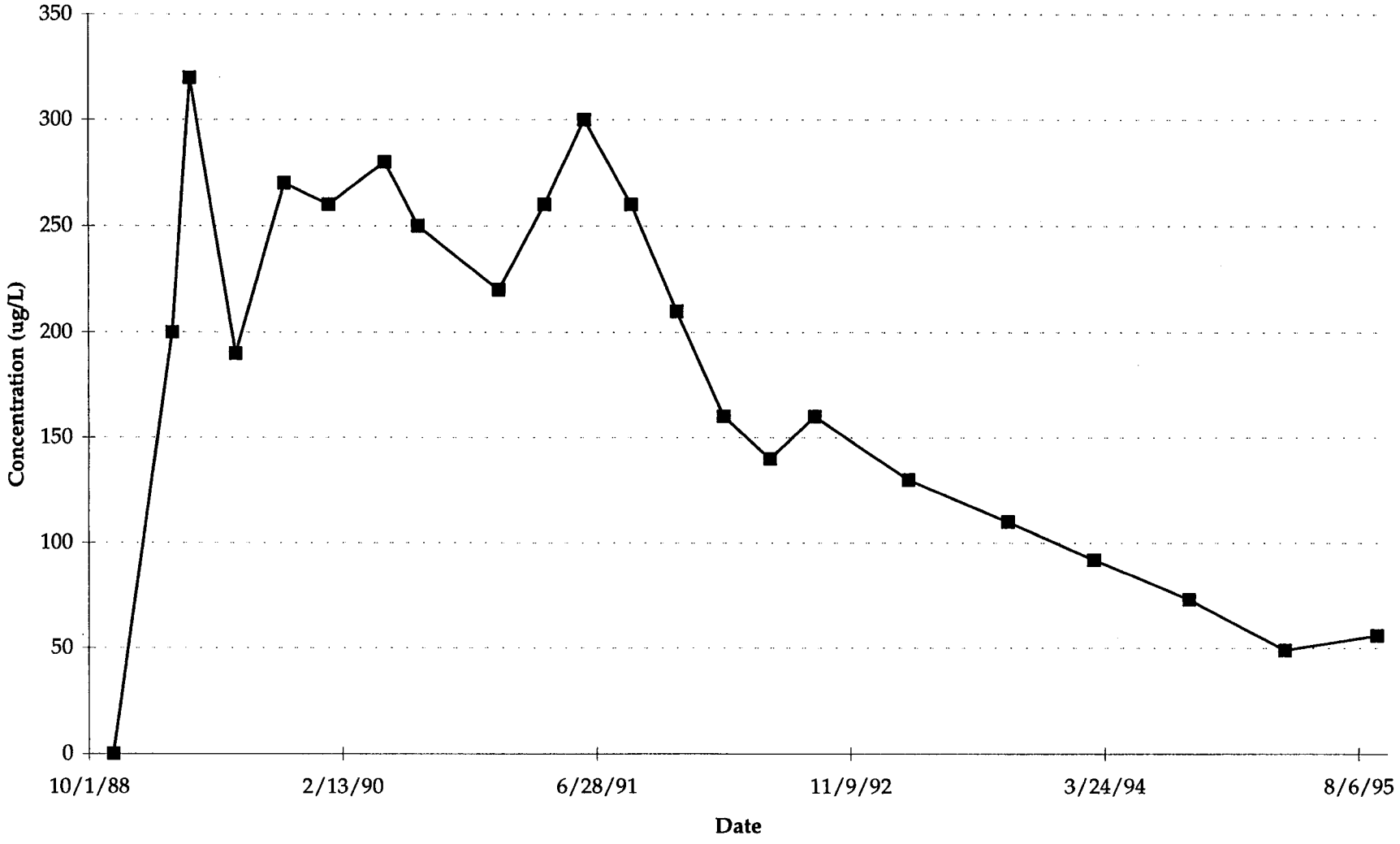
APPENDIX G.1

EXTRACTION WELL B7 - TRCLE VS. TIME



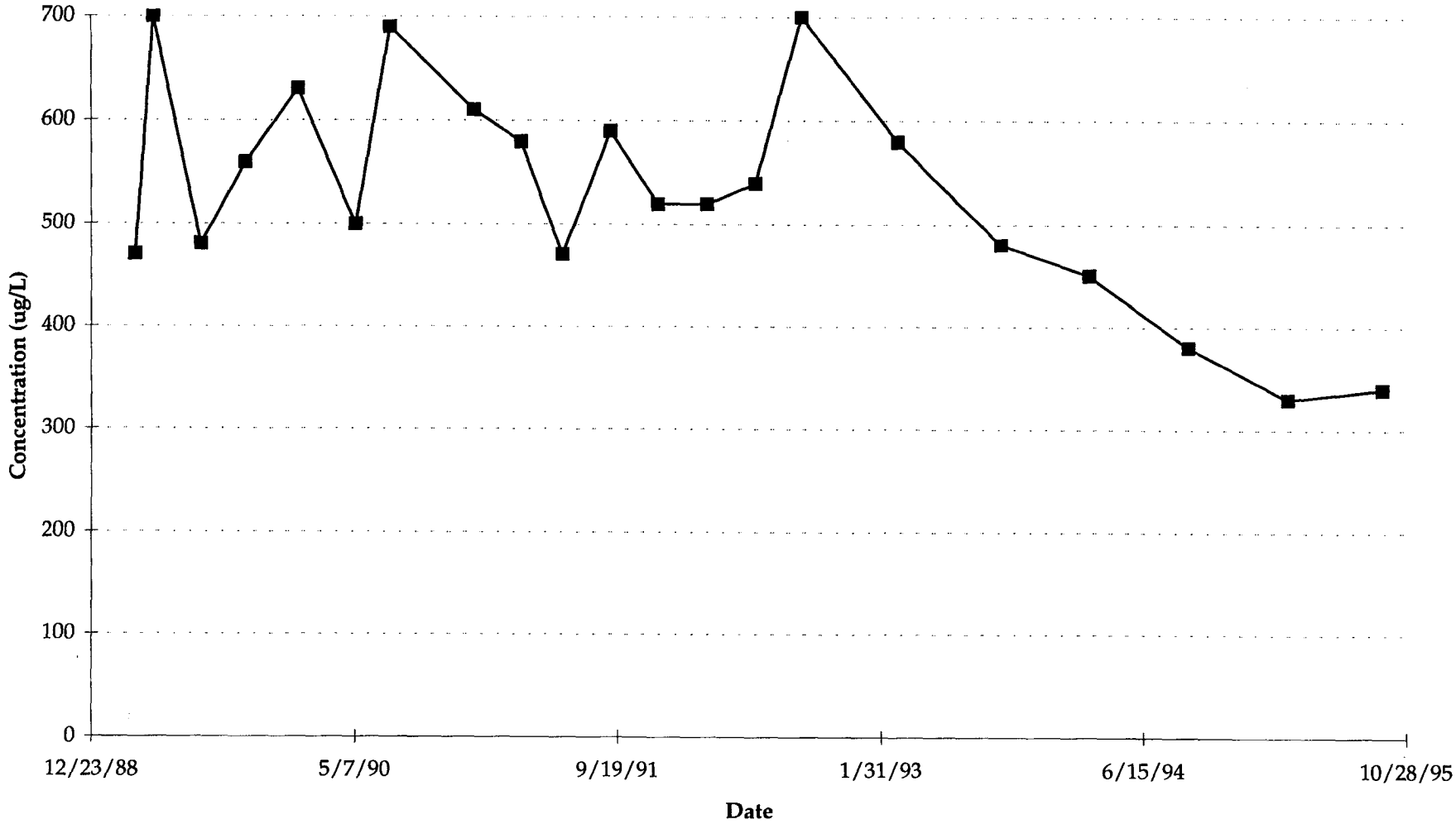
APPENDIX G.1

EXTRACTION WELL B8 - TRCLE VS. TIME



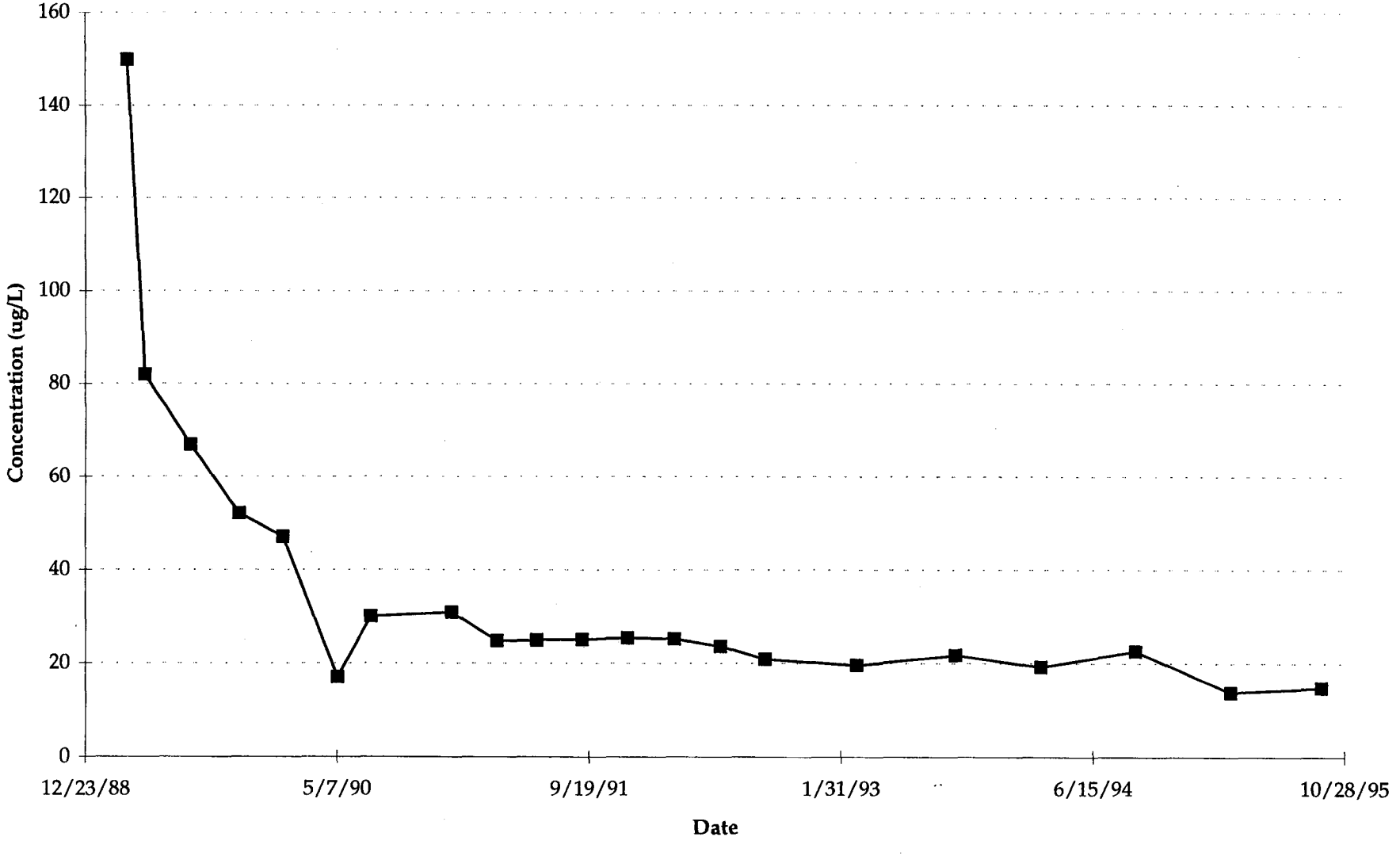
APPENDIX G.1

EXTRACTION WELL B9 - TRCLE VS. TIME



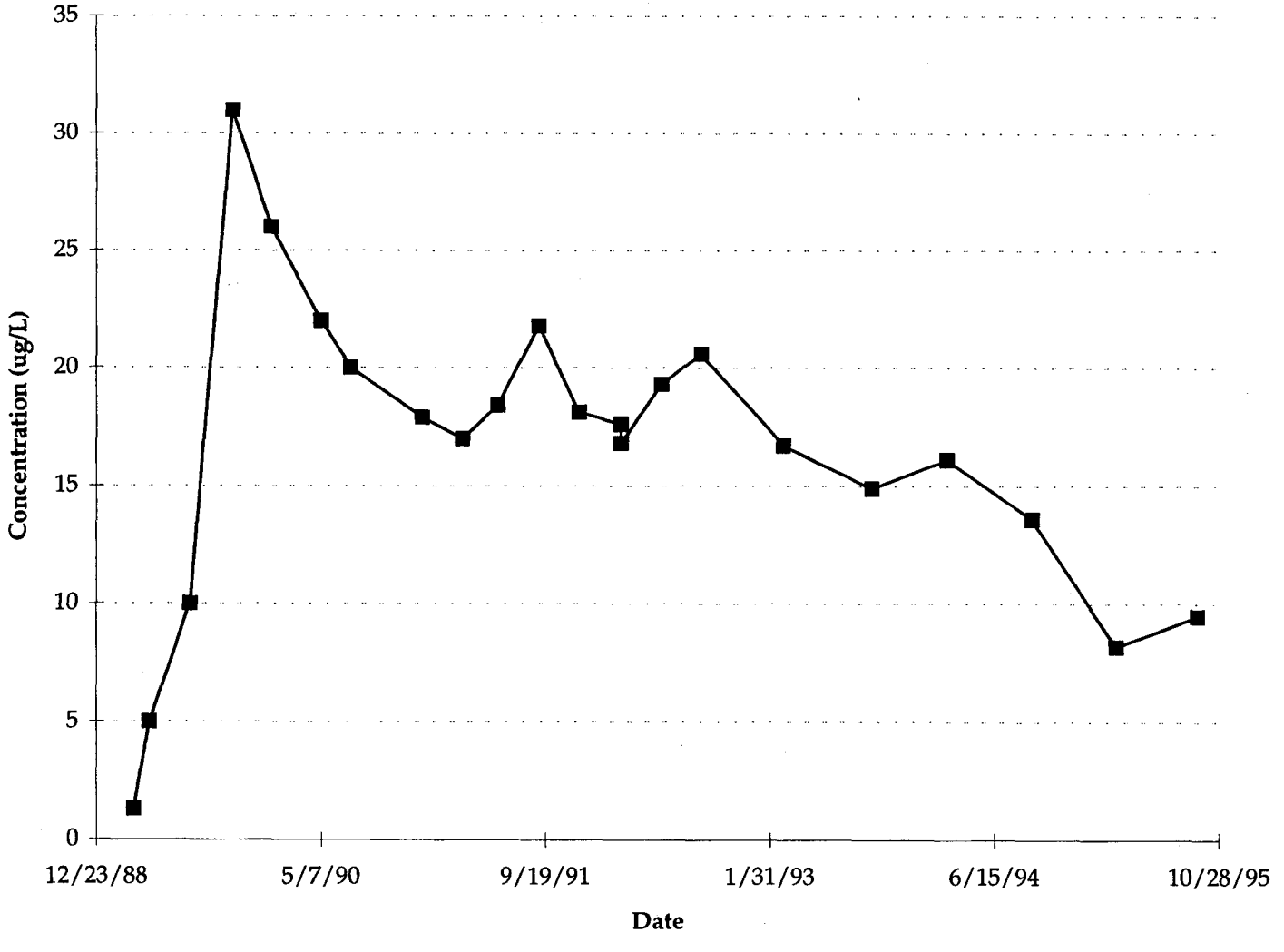
APPENDIX G.1

EXTRACTION WELL B10 - TRCLE VS. TIME



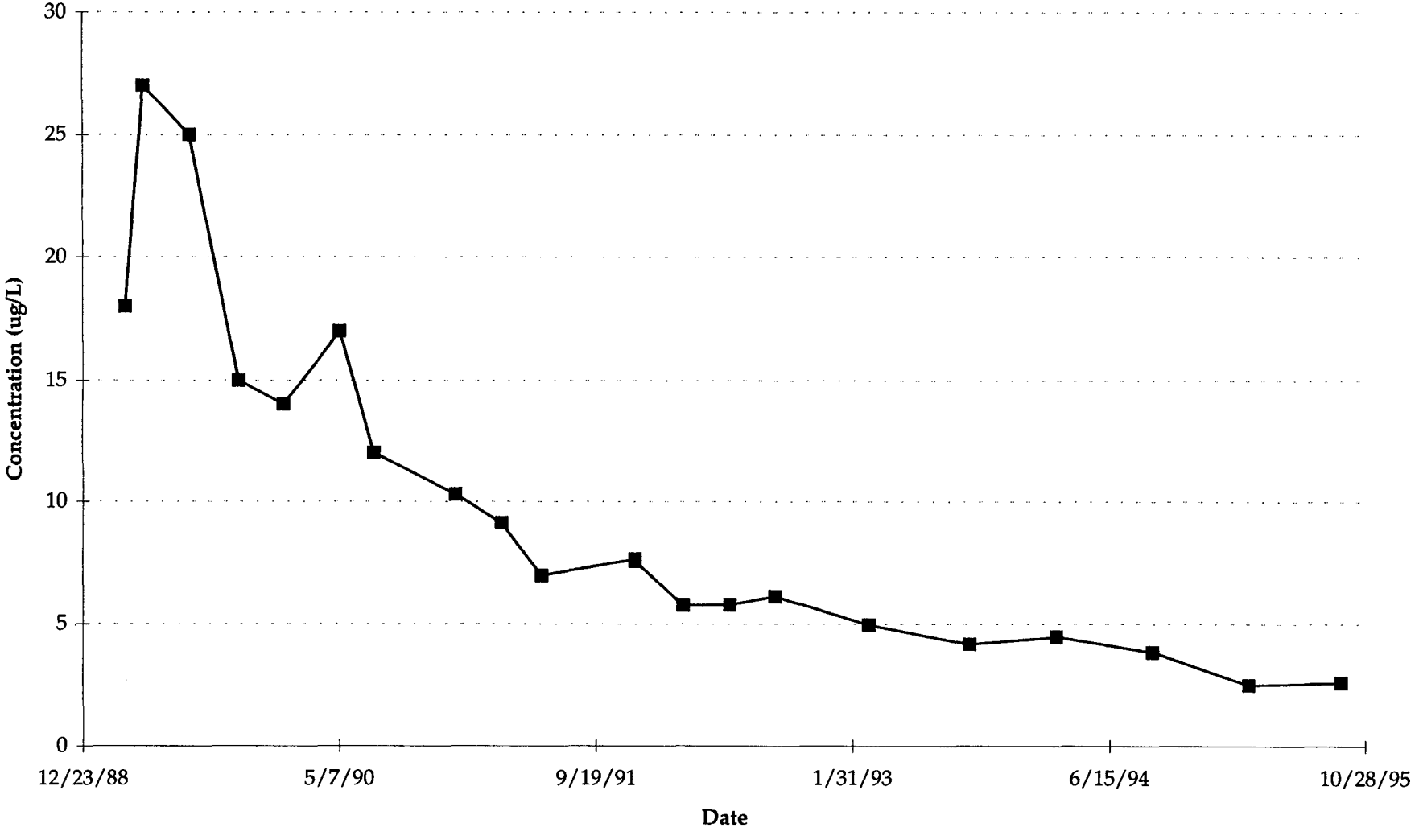
APPENDIC G.1

EXTRACTION WELL B11 - TRCLE VS. TIME



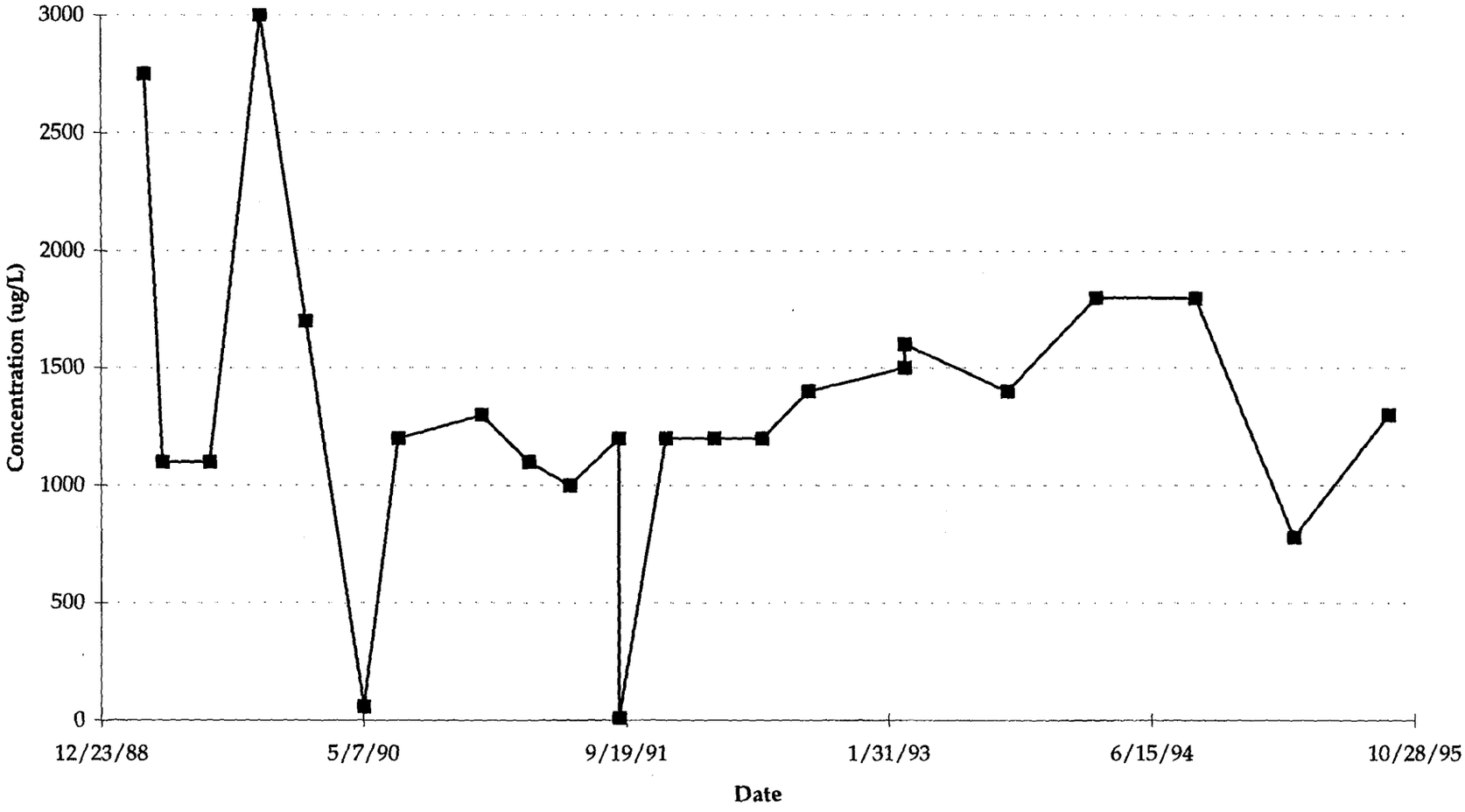
APPENDIX G.1

EXTRACTION WELL B12 - TRCLE VS. TIME



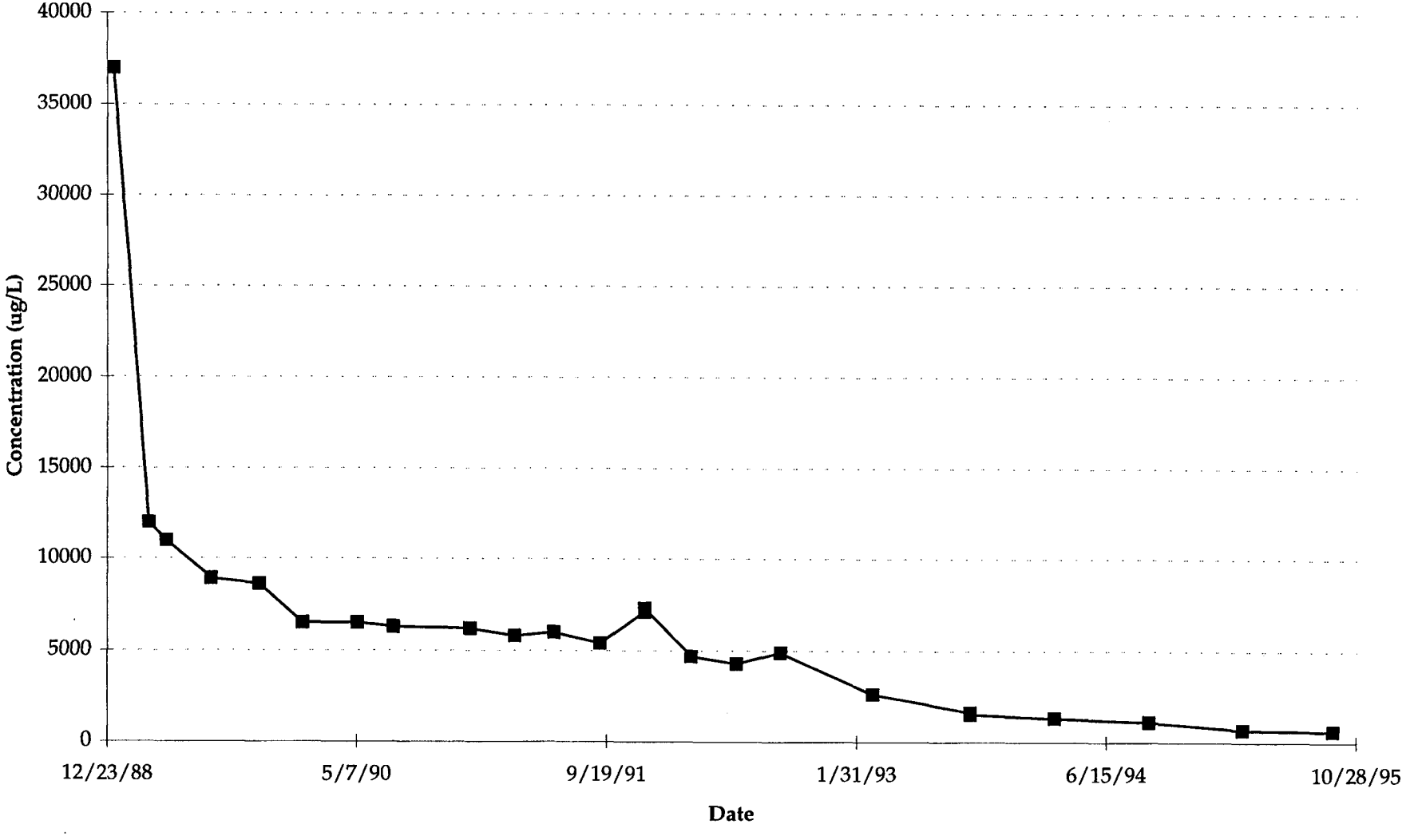
APPENDIX G.1

EXTRACTION WELL SC1 - TRCLE VS. TIME



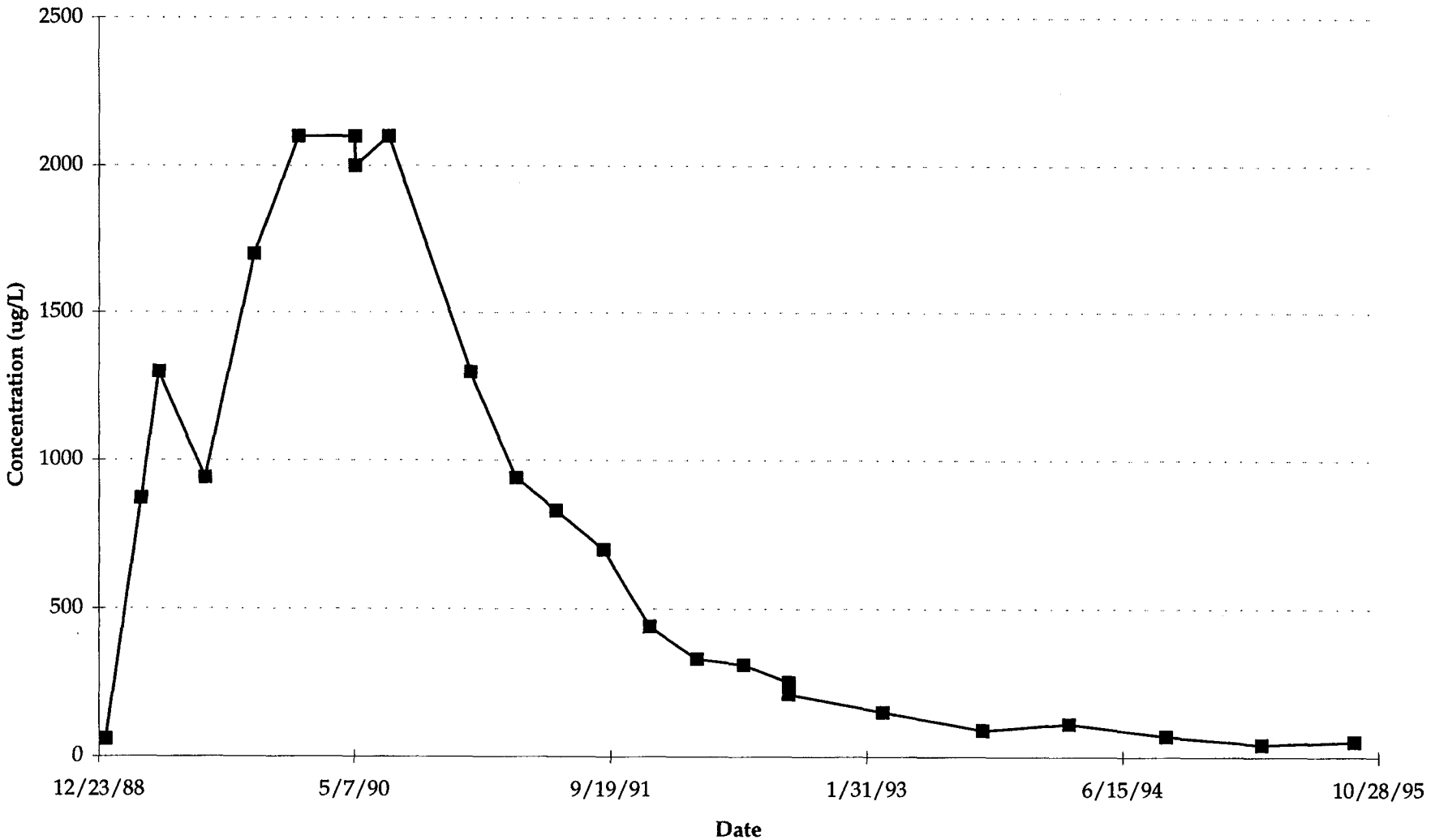
APPENDIX G.1

EXTRACTION WELL SC2 - TRCLE VS. TIME



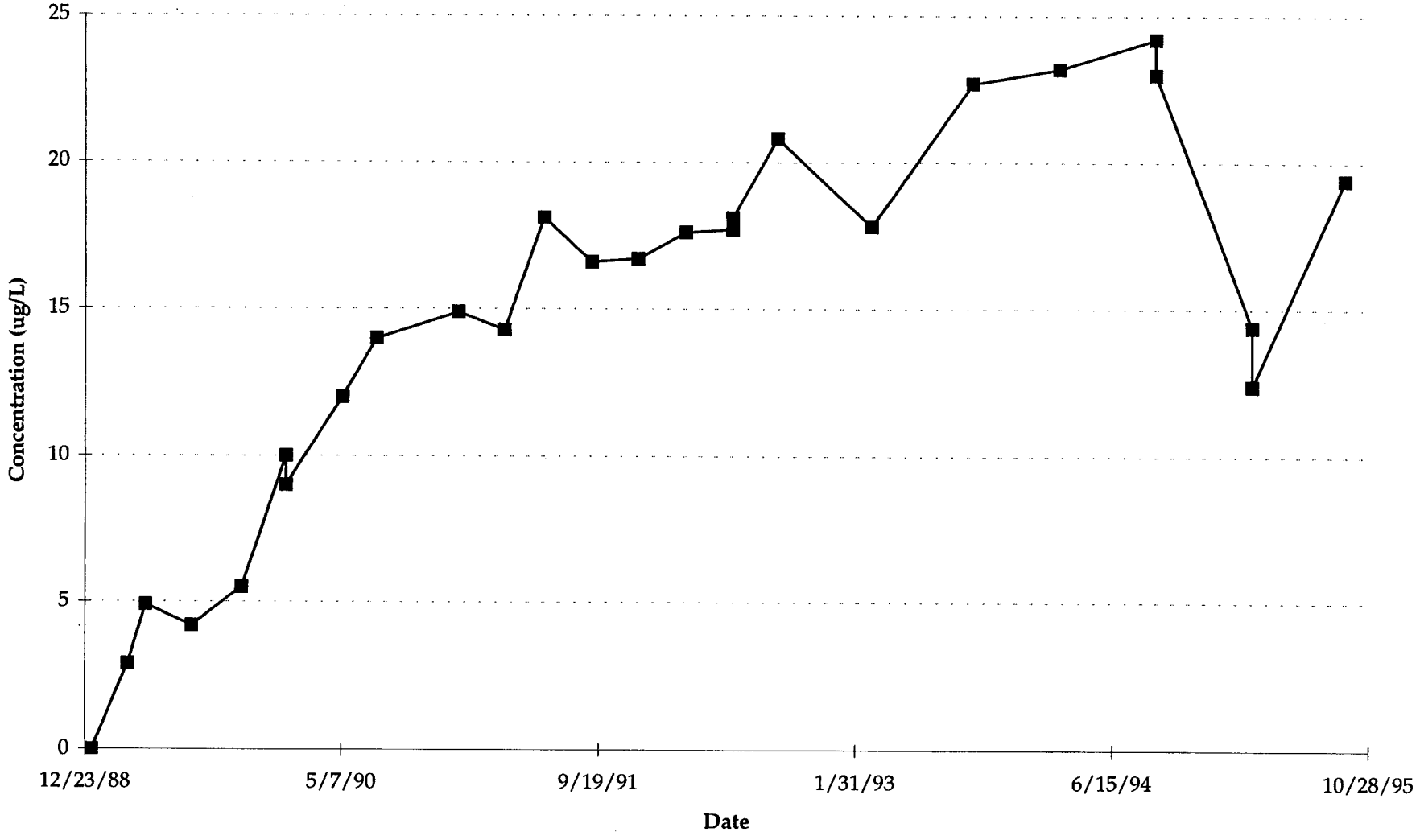
APPENDIX G.1

EXTRACTION WELL SC3 - TRCLE VS. TIME



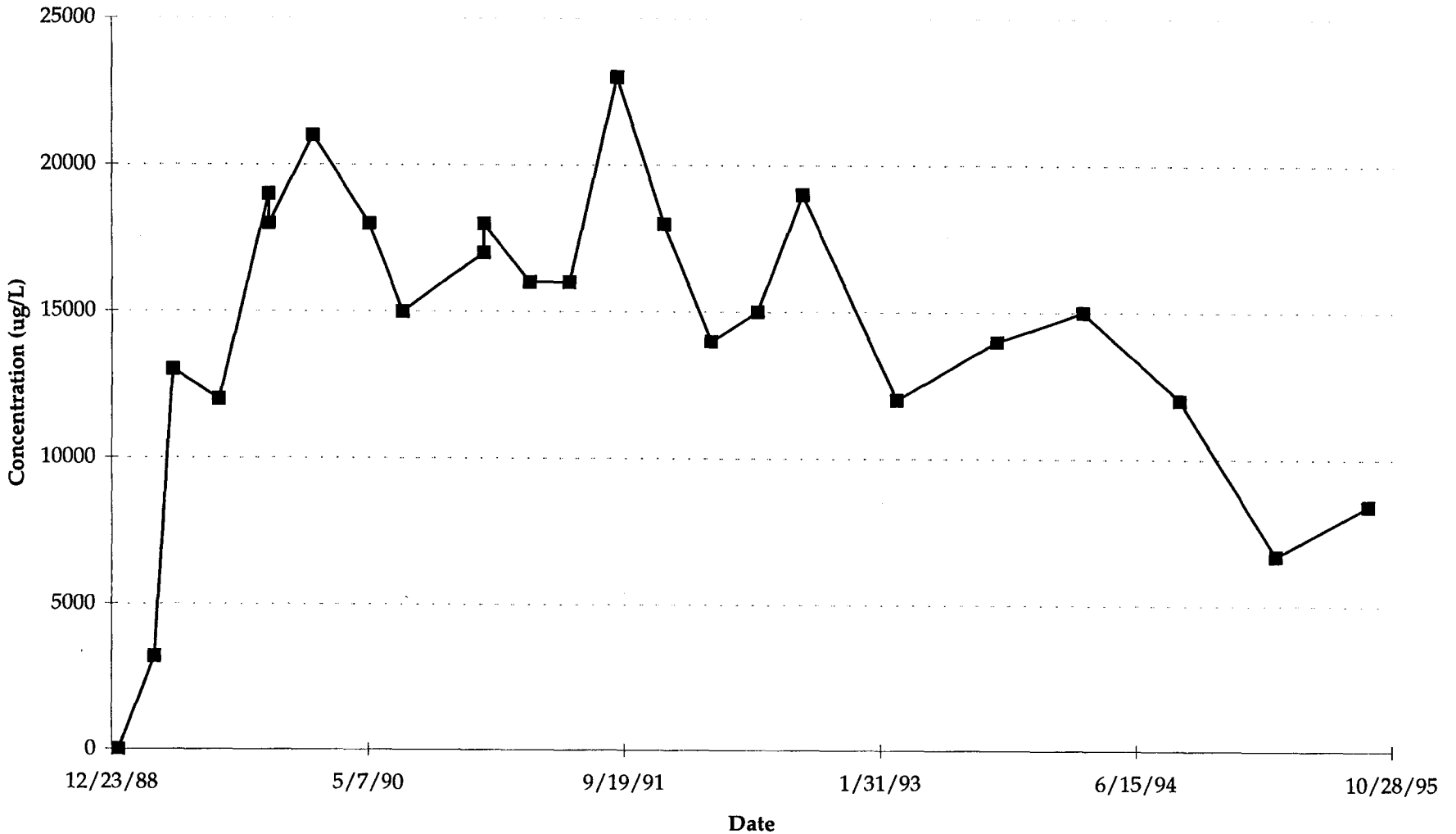
APPENDIX G.1

EXTRACTION WELL SC4 - TRCLE VS. TIME



APPENDIX G.1

EXTRACTION WELL SC5 - TRCLE VS. TIME



Appendix G.2

1995 Influent/Effluent Database TGRS, TCAAP

1995 INFLUENT/EFFLUENT DATABASE
TGRS, TCAAP

Location	Sample Date	Chemical	Prime Contractor	Laboratory	Concentration	Units	Data Qualifiers
TGRSE	5/2/95	111TCE	CR	PC	< 1	UGL	
TGRSE	5/2/95	111TCE	CR	PC	< 1	UGL	D
TGRSE	7/6/95	111TCE	CR	PC	< 1	UGL	D
TGRSE	7/6/95	111TCE	CR	PC	< 1	UGL	
TGRSE	8/1/95	111TCE	CR	PC	< 1	UGL	
TGRSE	9/11/95	111TCE	CR	PC	< 1	UGL	
TGRSE	6/6/95	111TCE	CR	PC	< 1	UGL	D
TGRSE	10/4/94	111TCE	CR	PC	< 1	UGL	
TGRSE	10/4/94	111TCE	CR	PC	< 1	UGL	D
TGRSE	1/3/95	111TCE	CR	PC	< 1	UGL	D
TGRSE	1/3/95	111TCE	CR	PC	< 1	UGL	
TGRSE	2/7/95	111TCE	CR	PC	< 1	UGL	D
TGRSE	2/7/95	111TCE	CR	PC	< 1	UGL	
TGRSE	12/6/94	111TCE	CR	PC	< 1	UGL	D
TGRSE	12/6/94	111TCE	CR	PC	< 1	UGL	
TGRSE	11/1/94	111TCE	CR	PC	< 1	UGL	D
TGRSE	11/1/94	111TCE	CR	PC	< 1	UGL	
TGRSE	6/6/95	111TCE	CR	PC	< 1	UGL	
TGRSE	9/11/95	111TCE	CR	PC	< 1	UGL	D
TGRSE	8/1/95	111TCE	CR	PC	< 1	UGL	D
TGRSE	5/2/95	112TCE	CR	PC	< 1	UGL	
TGRSE	5/2/95	112TCE	CR	PC	< 1	UGL	D
TGRSE	7/6/95	112TCE	CR	PC	< 1	UGL	
TGRSE	8/1/95	112TCE	CR	PC	< 1	UGL	
TGRSE	1/3/95	112TCE	CR	PC	< 1	UGL	D
TGRSE	1/3/95	112TCE	CR	PC	< 1	UGL	
TGRSE	2/7/95	112TCE	CR	PC	< 1	UGL	D
TGRSE	2/7/95	112TCE	CR	PC	< 1	UGL	
TGRSE	12/6/94	112TCE	CR	PC	< 1	UGL	D
TGRSE	12/6/94	112TCE	CR	PC	< 1	UGL	
TGRSE	11/1/94	112TCE	CR	PC	< 1	UGL	D
TGRSE	11/1/94	112TCE	CR	PC	< 1	UGL	
TGRSE	10/4/94	112TCE	CR	PC	< 1	UGL	D
TGRSE	10/4/94	112TCE	CR	PC	< 1	UGL	
TGRSE	6/6/95	112TCE	CR	PC	< 1	UGL	
TGRSE	6/6/95	112TCE	CR	PC	< 1	UGL	D
TGRSE	9/11/95	112TCE	CR	PC	< 1	UGL	D
TGRSE	9/11/95	112TCE	CR	PC	< 1	UGL	
TGRSE	8/1/95	112TCE	CR	PC	< 1	UGL	D
TGRSE	7/6/95	112TCE	CR	PC	< 1	UGL	D
TGRSE	5/2/95	11DCE	CR	PC	< 1	UGL	
TGRSE	5/2/95	11DCE	CR	PC	< 1	UGL	D
TGRSE	6/6/95	11DCE	CR	PC	< 1	UGL	D
TGRSE	9/11/95	11DCE	CR	PC	< 1	UGL	D
TGRSE	1/3/95	11DCE	CR	PC	< 1	UGL	D

1995 INFLUENT/EFFLUENT DATABASE
TGRS, TCAAP

Location	Sample Date	Chemical	Prime Contractor	Laboratory	Concentration	Units	Data Qualifiers
TGRSE	1/3/95	11DCE	CR	PC	< 1	UGL	
TGRSE	2/7/95	11DCE	CR	PC	< 1	UGL	D
TGRSE	2/7/95	11DCE	CR	PC	< 1	UGL	
TGRSE	12/6/94	11DCE	CR	PC	< 1	UGL	D
TGRSE	12/6/94	11DCE	CR	PC	< 1	UGL	
TGRSE	11/1/94	11DCE	CR	PC	< 1	UGL	D
TGRSE	11/1/94	11DCE	CR	PC	< 1	UGL	
TGRSE	10/4/94	11DCE	CR	PC	< 1	UGL	D
TGRSE	10/4/94	11DCE	CR	PC	< 1	UGL	
TGRSE	6/6/95	11DCE	CR	PC	< 1	UGL	
TGRSE	9/11/95	11DCE	CR	PC	< 1	UGL	
TGRSE	8/1/95	11DCE	CR	PC	< 1	UGL	D
TGRSE	8/1/95	11DCE	CR	PC	< 1	UGL	
TGRSE	7/6/95	11DCE	CR	PC	< 1	UGL	
TGRSE	7/6/95	11DCE	CR	PC	< 1	UGL	D
TGRSE	5/2/95	11DCLE	CR	PC	< 0.78	UGL	
TGRSE	5/2/95	11DCLE	CR	PC	< 0.78	UGL	D
TGRSE	1/3/95	11DCLE	CR	PC	< 0.78	UGL	D
TGRSE	1/3/95	11DCLE	CR	PC	< 0.78	UGL	
TGRSE	2/7/95	11DCLE	CR	PC	< 0.78	UGL	D
TGRSE	2/7/95	11DCLE	CR	PC	< 0.78	UGL	
TGRSE	12/6/94	11DCLE	CR	PC	< 0.78	UGL	D
TGRSE	10/4/94	11DCLE	CR	PC	< 0.78	UGL	D
TGRSE	10/4/94	11DCLE	CR	PC	< 0.78	UGL	
TGRSE	6/6/95	11DCLE	CR	PC	< 0.78	UGL	
TGRSE	6/6/95	11DCLE	CR	PC	< 0.78	UGL	D
TGRSE	9/11/95	11DCLE	CR	PC	< 0.78	UGL	D
TGRSE	9/11/95	11DCLE	CR	PC	< 0.78	UGL	
TGRSE	12/6/94	11DCLE	CR	PC	< 0.78	UGL	
TGRSE	11/1/94	11DCLE	CR	PC	< 0.78	UGL	D
TGRSE	11/1/94	11DCLE	CR	PC	< 0.78	UGL	
TGRSE	8/1/95	11DCLE	CR	PC	< 0.78	UGL	D
TGRSE	8/1/95	11DCLE	CR	PC	< 0.78	UGL	
TGRSE	7/6/95	11DCLE	CR	PC	< 0.78	UGL	
TGRSE	7/6/95	11DCLE	CR	PC	< 0.78	UGL	D
TGRSE	5/2/95	12DCE	CR	PC	< 0.5	UGL	
TGRSE	9/11/95	12DCE	CR	PC	< 0.5	UGL	D
TGRSE	9/11/95	12DCE	CR	PC	< 0.5	UGL	
TGRSE	1/3/95	12DCE	CR	PC	< 0.5	UGL	D
TGRSE	1/3/95	12DCE	CR	PC	< 0.5	UGL	
TGRSE	2/7/95	12DCE	CR	PC	< 0.5	UGL	D
TGRSE	2/7/95	12DCE	CR	PC	< 0.5	UGL	
TGRSE	12/6/94	12DCE	CR	PC	< 0.5	UGL	D
TGRSE	12/6/94	12DCE	CR	PC	< 0.5	UGL	
TGRSE	11/1/94	12DCE	CR	PC	< 0.5	UGL	D

1995 INFLUENT/EFFLUENT DATABASE
TGRS, TCAAP

Location	Sample Date	Chemical	Prime Contractor	Laboratory	Concentration	Units	Data Qualifiers
TGRSE	11/1/94	12DCE	CR	PC	< 0.5	UGL	
TGRSE	10/4/94	12DCE	CR	PC	< 0.5	UGL	D
TGRSE	10/4/94	12DCE	CR	PC	< 0.5	UGL	
TGRSE	6/6/95	12DCE	CR	PC	< 0.5	UGL	
TGRSE	6/6/95	12DCE	CR	PC	< 0.5	UGL	D
TGRSE	8/1/95	12DCE	CR	PC	< 0.5	UGL	D
TGRSE	8/1/95	12DCE	CR	PC	< 0.5	UGL	
TGRSE	7/6/95	12DCE	CR	PC	< 0.5	UGL	
TGRSE	7/6/95	12DCE	CR	PC	< 0.5	UGL	D
TGRSE	5/2/95	12DCE	CR	PC	< 0.5	UGL	D
TGRSE	5/2/95	12DCLE	CR	PC	< 0.5	UGL	
TGRSE	7/6/95	12DCLE	CR	PC	< 0.5	UGL	
TGRSE	12/6/94	12DCLE	CR	PC	< 0.5	UGL	D
TGRSE	11/1/94	12DCLE	CR	PC	< 0.5	UGL	
TGRSE	10/4/94	12DCLE	CR	PC	< 0.5	UGL	D
TGRSE	10/4/94	12DCLE	CR	PC	< 0.5	UGL	
TGRSE	6/6/95	12DCLE	CR	PC	< 0.5	UGL	
TGRSE	6/6/95	12DCLE	CR	PC	< 0.5	UGL	D
TGRSE	9/11/95	12DCLE	CR	PC	< 0.5	UGL	D
TGRSE	1/3/95	12DCLE	CR	PC	< 0.5	UGL	D
TGRSE	1/3/95	12DCLE	CR	PC	< 0.5	UGL	
TGRSE	12/6/94	12DCLE	CR	PC	< 0.5	UGL	I
TGRSE	11/1/94	12DCLE	CR	PC	< 0.5	UGL	D
TGRSE	9/11/95	12DCLE	CR	PC	< 0.5	UGL	
TGRSE	8/1/95	12DCLE	CR	PC	< 0.5	UGL	D
TGRSE	8/1/95	12DCLE	CR	PC	< 0.5	UGL	
TGRSE	7/6/95	12DCLE	CR	PC	< 0.5	UGL	D
TGRSE	5/2/95	12DCLE	CR	PC	< 0.5	UGL	D
TGRSE	5/2/95	12DCLP	CR	PC	< 1	UGL	
TGRSE	9/11/95	12DCLP	CR	PC	< 1	UGL	D
TGRSE	9/11/95	12DCLP	CR	PC	< 1	UGL	
TGRSE	12/6/94	12DCLP	CR	PC	< 1	UGL	D
TGRSE	12/6/94	12DCLP	CR	PC	< 1	UGL	
TGRSE	11/1/94	12DCLP	CR	PC	< 1	UGL	D
TGRSE	11/1/94	12DCLP	CR	PC	< 1	UGL	
TGRSE	10/4/94	12DCLP	CR	PC	< 1	UGL	D
TGRSE	10/4/94	12DCLP	CR	PC	< 1	UGL	
TGRSE	1/3/95	12DCLP	CR	PC	< 1	UGL	D
TGRSE	1/3/95	12DCLP	CR	PC	< 1	UGL	
TGRSE	2/7/95	12DCLP	CR	PC	< 1	UGL	D
TGRSE	2/7/95	12DCLP	CR	PC	< 1	UGL	
TGRSE	6/6/95	12DCLP	CR	PC	< 1	UGL	
TGRSE	6/6/95	12DCLP	CR	PC	< 1	UGL	D
TGRSE	8/1/95	12DCLP	CR	PC	< 1	UGL	D
TGRSE	8/1/95	12DCLP	CR	PC	< 1	UGL	

1995 INFLUENT/EFFLUENT DATABASE
TGRS, TCAAP

Location	Sample Date	Chemical	Prime Contractor	Laboratory	Concentration	Units	Data Qualifiers
TGRSE	7/6/95	12DCLP	CR	PC	< 1	UGL	
TGRSE	7/6/95	12DCLP	CR	PC	< 1	UGL	D
TGRSE	5/2/95	12DCLP	CR	PC	< 1	UGL	D
TGRSE	3/14/95	ABHC	CR	PC	< 0.0434	UGL	
TGRSE	3/14/95	ACLDAN	CR	PC	< 0.0202	UGL	
TGRSE	3/14/95	AENSLF	CR	PC	< 0.0086	UGL	
TGRSE	3/14/95	AG	CR	PC	< 12.5	UGL	
TGRSE	3/14/95	AL	CR	PC	< 107	UGL	
TGRSE	3/14/95	ALDRN	CR	PC	< 0.0638	UGL	
TGRSE	3/14/95	BBHC	CR	PC	< 0.0109	UGL	
TGRSE	3/14/95	BE	CR	PC	< 2.5	UGL	
TGRSE	3/14/95	BENSLF	CR	PC	< 0.012	UGL	
TGRSE	5/2/95	C2H3CL	CR	PC	< 1.9	UGL	
TGRSE	7/6/95	C2H3CL	CR	PC	< 1.9	UGL	
TGRSE	8/1/95	C2H3CL	CR	PC	< 1.9	UGL	D
TGRSE	1/3/95	C2H3CL	CR	PC	< 1.9	UGL	D
TGRSE	1/3/95	C2H3CL	CR	PC	< 1.9	UGL	
TGRSE	2/7/95	C2H3CL	CR	PC	< 1.9	UGL	D
TGRSE	2/7/95	C2H3CL	CR	PC	< 1.9	UGL	
TGRSE	12/6/94	C2H3CL	CR	PC	< 1.9	UGL	
TGRSE	12/6/94	C2H3CL	CR	PC	< 1.9	UGL	D
TGRSE	11/1/94	C2H3CL	CR	PC	< 1.9	UGL	D
TGRSE	11/1/94	C2H3CL	CR	PC	< 1.9	UGL	
TGRSE	10/4/94	C2H3CL	CR	PC	< 1.9	UGL	D
TGRSE	10/4/94	C2H3CL	CR	PC	< 1.9	UGL	
TGRSE	9/11/95	C2H3CL	CR	PC	< 1.9	UGL	D
TGRSE	6/6/95	C2H3CL	CR	PC	< 1.9	UGL	
TGRSE	6/6/95	C2H3CL	CR	PC	< 1.9	UGL	D
TGRSE	9/11/95	C2H3CL	CR	PC	< 1.9	UGL	
TGRSE	8/1/95	C2H3CL	CR	PC	< 1.9	UGL	
TGRSE	7/6/95	C2H3CL	CR	PC	< 1.9	UGL	D
TGRSE	5/2/95	C2H3CL	CR	PC	< 1.9	UGL	D
TGRSE	5/2/95	CCL4	CR	PC	< 1.3	UGL	
TGRSE	5/2/95	CCL4	CR	PC	< 1.3	UGL	D
TGRSE	7/6/95	CCL4	CR	PC	< 1.3	UGL	D
TGRSE	7/6/95	CCL4	CR	PC	< 1.3	UGL	
TGRSE	9/11/95	CCL4	CR	PC	< 1.3	UGL	
TGRSE	6/6/95	CCL4	CR	PC	< 1.3	UGL	D
TGRSE	10/4/94	CCL4	CR	PC	< 1.3	UGL	
TGRSE	10/4/94	CCL4	CR	PC	< 1.3	UGL	D
TGRSE	1/3/95	CCL4	CR	PC	< 1.3	UGL	D
TGRSE	1/3/95	CCL4	CR	PC	< 1.3	UGL	
TGRSE	2/7/95	CCL4	CR	PC	< 1.3	UGL	D
TGRSE	2/7/95	CCL4	CR	PC	< 1.3	UGL	
TGRSE	12/6/94	CCL4	CR	PC	< 1.3	UGL	

1995 INFLUENT/EFFLUENT DATABASE
TGRS, TCAAP

Location	Sample Date	Chemical	Prime Contractor	Laboratory	Concentration	Units	Data Qualifiers
TGRSE	12/6/94	CCL4	CR	PC	< 1.3	UGL	D
TGRSE	11/1/94	CCL4	CR	PC	< 1.3	UGL	D
TGRSE	11/1/94	CCL4	CR	PC	< 1.3	UGL	
TGRSE	6/6/95	CCL4	CR	PC	< 1.3	UGL	
TGRSE	9/11/95	CCL4	CR	PC	< 1.3	UGL	D
TGRSE	8/1/95	CCL4	CR	PC	< 1.3	UGL	D
TGRSE	8/1/95	CCL4	CR	PC	< 1.3	UGL	
TGRSE	3/14/95	CD	CR	PC	< 5	UGL	
TGRSE	7/6/95	CD	CR	PC	< 5	UGL	
TGRSE	5/2/95	CD	CR	PC	< 5	UGL	
TGRSE	10/4/94	CD	CR	PC	< 5	UGL	
TGRSE	2/7/95	CD	CR	PC	< 5	UGL	
TGRSE	1/3/95	CD	CR	PC	< 5	UGL	
TGRSE	11/1/94	CD	CR	PC	< 5	UGL	
TGRSE	6/6/95	CD	CR	PC	< 5	UGL	
TGRSE	9/11/95	CD	CR	PC	< 5	UGL	
TGRSE	8/1/95	CD	CR	PC	< 5	UGL	
TGRSE	4/10/95	CD	CR	PC	< 5	UGL	
TGRSE	12/6/94	CD	CR	PC	< 5	UGL	
TGRSE	7/6/95	CH2CL2	CR	PC	< 3.2	UGL	D
TGRSE	7/6/95	CH2CL2	CR	PC	< 3.2	UGL	
TGRSE	8/1/95	CH2CL2	CR	PC	< 3.2	UGL	
TGRSE	8/1/95	CH2CL2	CR	PC	< 3.2	UGL	D
TGRSE	10/4/94	CH2CL2	CR	PC	< 3.2	UGL	D
TGRSE	10/4/94	CH2CL2	CR	PC	< 3.2	UGL	
TGRSE	6/6/95	CH2CL2	CR	PC	< 3.2	UGL	
TGRSE	6/6/95	CH2CL2	CR	PC	< 3.2	UGL	D
TGRSE	9/11/95	CH2CL2	CR	PC	< 3.2	UGL	D
TGRSE	9/11/95	CH2CL2	CR	PC	< 3.2	UGL	
TGRSE	1/3/95	CH2CL2	CR	PC	< 3.2	UGL	D
TGRSE	1/3/95	CH2CL2	CR	PC	< 3.2	UGL	
TGRSE	2/7/95	CH2CL2	CR	PC	< 3.2	UGL	D
TGRSE	2/7/95	CH2CL2	CR	PC	< 3.2	UGL	
TGRSE	12/6/94	CH2CL2	CR	PC	< 3.2	UGL	D
TGRSE	12/6/94	CH2CL2	CR	PC	< 3.2	UGL	
TGRSE	11/1/94	CH2CL2	CR	PC	< 3.2	UGL	D
TGRSE	11/1/94	CH2CL2	CR	PC	< 3.2	UGL	
TGRSE	5/2/95	CHCL3	CR	PC	< 0.72	UGL	
TGRSE	7/6/95	CHCL3	CR	PC	< 0.72	UGL	
TGRSE	6/6/95	CHCL3	CR	PC	< 0.72	UGL	
TGRSE	6/6/95	CHCL3	CR	PC	< 0.72	UGL	D
TGRSE	10/4/94	CHCL3	CR	PC	< 0.72	UGL	D
TGRSE	10/4/94	CHCL3	CR	PC	< 0.72	UGL	
TGRSE	9/11/95	CHCL3	CR	PC	< 0.72	UGL	D
TGRSE	9/11/95	CHCL3	CR	PC	< 0.72	UGL	

1995 INFLUENT/EFFLUENT DATABASE
TGRS, TCAAP

Location	Sample Date	Chemical	Prime Contractor	Laboratory	Concentration	Units	Data Qualifiers
TGRSE	8/1/95	CHCL3	CR	PC	< 0.72	UGL	D
TGRSE	8/1/95	CHCL3	CR	PC	< 0.72	UGL	
TGRSE	1/3/95	CHCL3	CR	PC	< 0.72	UGL	D
TGRSE	1/3/95	CHCL3	CR	PC	< 0.72	UGL	
TGRSE	2/7/95	CHCL3	CR	PC	< 0.72	UGL	D
TGRSE	2/7/95	CHCL3	CR	PC	< 0.72	UGL	
TGRSE	12/6/94	CHCL3	CR	PC	< 0.72	UGL	D
TGRSE	12/6/94	CHCL3	CR	PC	< 0.72	UGL	
TGRSE	11/1/94	CHCL3	CR	PC	< 0.72	UGL	D
TGRSE	11/1/94	CHCL3	CR	PC	< 0.72	UGL	
TGRSE	7/6/95	CHCL3	CR	PC	< 0.72	UGL	D
TGRSE	5/2/95	CHCL3	CR	PC	< 0.72	UGL	D
TGRSE	3/14/95	CO	CR	PC	< 25	UGL	
TGRSE	3/14/95	CR	CR	PC	< 15	UGL	
TGRSE	4/10/95	CR	CR	PC	< 15	UGL	
TGRSE	12/6/94	CR	CR	PC	< 15	UGL	I
TGRSE	5/2/95	CR	CR	PC	< 15	UGL	
TGRSE	9/11/95	CR	CR	PC	< 15	UGL	
TGRSE	8/1/95	CR	CR	PC	< 15	UGL	
TGRSE	10/4/94	CR	CR	PC	< 15	UGL	
TGRSE	2/7/95	CR	CR	PC	< 15	UGL	
TGRSE	1/3/95	CR	CR	PC	< 15	UGL	
TGRSE	11/1/94	CR	CR	PC	< 15	UGL	
TGRSE	6/6/95	CR	CR	PC	< 15	UGL	
TGRSE	7/6/95	CR	CR	PC	< 15	UGL	
TGRSE	3/14/95	CU	CR	PC	< 20	UGL	
TGRSE	12/6/94	CU	CR	PC	< 20	UGL	J
TGRSE	1/3/95	CU	CR	PC	< 20	UGL	
TGRSE	10/4/94	CU	CR	PC	< 20	UGL	
TGRSE	2/7/95	CU	CR	PC	< 20	UGL	
TGRSE	11/1/94	CU	CR	PC	< 20	UGL	
TGRSE	3/14/95	DBHC	CR	PC	< 0.0488	UGL	
TGRSE	3/14/95	DLDRN	CR	PC	< 0.0321	UGL	
TGRSE	3/14/95	ENDRN	CR	PC	< 0.0372	UGL	
TGRSE	3/14/95	ENDRNA	CR	PC	< 0.0697	UGL	
TGRSE	3/14/95	ENDRNK	CR	PC	< 0.0282	UGL	
TGRSE	3/14/95	ESFSO4	CR	PC	< 0.02	UGL	
TGRSE	3/14/95	FE	CR	PC	< 120	UGL	
TGRSE	3/14/95	GCLDAN	CR	PC	< 0.045	UGL	
TGRSE	4/10/95	HG	CR	PC	< 0.74	UGL	
TGRSE	7/6/95	HG	CR	PC	< 0.74	UGL	D
TGRSE	9/5/95	HG	CR	PC	< 0.74	UGL	
TGRSE	6/6/95	HG	CR	PC	< 0.74	UGL	
TGRSE	10/4/94	HG	CR	PC	< 0.74	UGL	
TGRSE	12/6/94	HG	CR	PC	< 0.74	UGL	

1995 INFLUENT/EFFLUENT DATABASE
TGRS, TCAAP

Location	Sample Date	Chemical	Prime Contractor	Laboratory	Concentration	Units	Data Qualifiers
TGRSE	1/3/95	HG	CR	PC	< 0.74	UGL	
TGRSE	11/1/94	HG	CR	PC	< 0.74	UGL	?
TGRSE	3/14/95	HG	CR	PC	< 0.74	UGL	
TGRSE	2/7/95	HG	CR	PC	< 0.74	UGL	
TGRSE	8/1/95	HG	CR	PC	< 0.74	UGL	?
TGRSE	7/6/95	HG	CR	PC	< 0.74	UGL	
TGRSE	5/2/95	HG	CR	PC	< 0.74	UGL	
TGRSE	3/14/95	HPCL	CR	PC	< 0.0631	UGL	
TGRSE	3/14/95	HPCLE	CR	PC	< 0.006	UGL	
TGRSE	3/14/95	LIN	CR	PC	< 0.0429	UGL	
TGRSE	3/14/95	MEXCLR	CR	PC	< 0.267	UGL	
TGRSE	6/6/95	MN	CR	PC	< 5.11	UGL	
TGRSE	3/14/95	PPDDD	CR	PC	< 0.0848	UGL	
TGRSE	3/14/95	PPDDE	CR	PC	< 0.0946	UGL	
TGRSE	3/14/95	PPDDT	CR	PC	< 0.0316	UGL	
TGRSE	3/14/95	SB	CR	PC	< 37.1	UGL	
TGRSE	5/2/95	TCLEE	CR	PC	< 1	UGL	
TGRSE	5/2/95	TCLEE	CR	PC	< 1	UGL	D
TGRSE	7/6/95	TCLEE	CR	PC	< 1	UGL	D
TGRSE	8/1/95	TCLEE	CR	PC	< 1	UGL	
TGRSE	7/6/95	TCLEE	CR	PC	< 1	UGL	
TGRSE	1/3/95	TCLEE	CR	PC	< 1	UGL	D
TGRSE	2/7/95	TCLEE	CR	PC	< 1	UGL	D
TGRSE	2/7/95	TCLEE	CR	PC	< 1	UGL	
TGRSE	11/1/94	TCLEE	CR	PC	< 1	UGL	D
TGRSE	11/1/94	TCLEE	CR	PC	< 1	UGL	
TGRSE	10/4/94	TCLEE	CR	PC	< 1	UGL	D
TGRSE	10/4/94	TCLEE	CR	PC	< 1	UGL	
TGRSE	6/6/95	TCLEE	CR	PC	< 1	UGL	I
TGRSE	6/6/95	TCLEE	CR	PC	< 1	UGL	DI
TGRSE	1/3/95	TCLEE	CR	PC	< 1	UGL	
TGRSE	12/6/94	TCLEE	CR	PC	< 1	UGL	D
TGRSE	12/6/94	TCLEE	CR	PC	< 1	UGL	
TGRSE	9/11/95	TCLEE	CR	PC	< 1	UGL	D
TGRSE	9/11/95	TCLEE	CR	PC	< 1	UGL	
TGRSE	8/1/95	TCLEE	CR	PC	< 1	UGL	D
TGRSE	5/2/95	TCLTFE	CR	PC	< 1	UGL	
TGRSE	5/2/95	TCLTFE	CR	PC	< 1	UGL	D
TGRSE	7/6/95	TCLTFE	CR	PC	< 1	UGL	D
TGRSE	6/6/95	TCLTFE	CR	PC	< 1	UGL	D
TGRSE	9/11/95	TCLTFE	CR	PC	< 1	UGL	D
TGRSE	1/3/95	TCLTFE	CR	PC	< 1	UGL	D
TGRSE	2/7/95	TCLTFE	CR	PC	< 1	UGL	D
TGRSE	2/7/95	TCLTFE	CR	PC	< 1	UGL	
TGRSE	12/6/94	TCLTFE	CR	PC	< 1	UGL	D

1995 INFLUENT/EFFLUENT DATABASE
TGRS, TCAAP

Location	Sample Date	Chemical	Prime Contractor	Laboratory	Concentration	Units	Data Qualifiers
TGRSE	12/6/94	TCLTFE	CR	PC	< 1	UGL	
TGRSE	11/1/94	TCLTFE	CR	PC	< 1	UGL	D
TGRSE	11/1/94	TCLTFE	CR	PC	< 1	UGL	
TGRSE	10/4/94	TCLTFE	CR	PC	< 1	UGL	D
TGRSE	10/4/94	TCLTFE	CR	PC	< 1	UGL	
TGRSE	1/3/95	TCLTFE	CR	PC	< 1	UGL	
TGRSE	6/6/95	TCLTFE	CR	PC	< 1	UGL	
TGRSE	9/11/95	TCLTFE	CR	PC	< 1	UGL	
TGRSE	8/1/95	TCLTFE	CR	PC	< 1	UGL	D
TGRSE	8/1/95	TCLTFE	CR	PC	< 1	UGL	
TGRSE	7/6/95	TCLTFE	CR	PC	< 1	UGL	
TGRSE	1/3/95	TRCLE	CR	PC	< 0.5	UGL	DI
TGRSE	1/3/95	TRCLE	CR	PC	< 0.5	UGL	I
TGRSE	3/14/95	V	CR	PC	< 20	UGL	
TGRSE	3/14/95	ZN	CR	PC	< 13	UGL	
TGRSE	7/6/95	ZN	CR	PC	< 13	UGL	
TGRSE	8/1/95	ZN	CR	PC	< 13	UGL	I
TGRSE	9/11/95	ZN	CR	PC	< 13	UGL	
TGRSE	2/7/95	ZN	CR	PC	< 13	UGL	
TGRSE	12/6/94	ZN	CR	PC	< 13	UGL	I
TGRSI	10/4/94	111TCE	CR	PC	< 25	UGL	
TGRSI	3/14/95	112TCE	CR	PC	< 25	UGL	
TGRSI	7/6/95	112TCE	CR	PC	< 25	UGL	
TGRSI	12/6/94	112TCE	CR	PC	< 1	UGL	
TGRSI	11/1/94	112TCE	CR	PC	< 1	UGL	
TGRSI	2/7/95	112TCE	CR	PC	< 20	UGL	
TGRSI	10/4/94	112TCE	CR	PC	< 25	UGL	
TGRSI	6/6/95	112TCE	CR	PC	< 50	UGL	
TGRSI	9/11/95	112TCE	CR	PC	< 50	UGL	
TGRSI	8/1/95	112TCE	CR	PC	< 50	UGL	
TGRSI	5/2/95	112TCE	CR	PC	< 25	UGL	
TGRSI	4/10/95	112TCE	CR	PC	< 1	UGL	
TGRSI	10/4/94	11DCE	CR	PC	< 25	UGL	
TGRSI	10/4/94	11DCLE	CR	PC	< 20	UGL	
TGRSI	6/6/95	11DCLE	CR	PC	< 39	UGL	
TGRSI	9/11/95	11DCLE	CR	PC	< 39	UGL	
TGRSI	8/1/95	11DCLE	CR	PC	< 39	UGL	
TGRSI	3/14/95	12DCE	CR	PC	< 13	UGL	
TGRSI	10/4/94	12DCE	CR	PC	< 13	UGL	
TGRSI	6/6/95	12DCE	CR	PC	< 25	UGL	
TGRSI	9/11/95	12DCE	CR	PC	< 25	UGL	
TGRSI	3/14/95	12DCLE	CR	PC	< 13	UGL	
TGRSI	7/6/95	12DCLE	CR	PC	< 13	UGL	
TGRSI	9/11/95	12DCLE	CR	PC	< 25	UGL	
TGRSI	8/1/95	12DCLE	CR	PC	< 25	UGL	

1995 INFLUENT/EFFLUENT DATABASE
TGRS, TCAAP

Location	Sample Date	Chemical	Prime Contractor	Laboratory	Concentration	Units	Data Qualifiers
TGRSI	2/7/95	12DCLE	CR	PC	< 10	UGL	
TGRSI	10/4/94	12DCLE	CR	PC	< 13	UGL	
TGRSI	6/6/95	12DCLE	CR	PC	< 25	UGL	
TGRSI	5/2/95	12DCLE	CR	PC	< 13	UGL	
TGRSI	3/14/95	12DCLP	CR	PC	< 25	UGL	
TGRSI	4/10/95	12DCLP	CR	PC	< 1	UGL	
TGRSI	12/6/94	12DCLP	CR	PC	< 1	UGL	
TGRSI	11/1/94	12DCLP	CR	PC	< 1	UGL	
TGRSI	1/3/95	12DCLP	CR	PC	< 1	UGL	
TGRSI	2/7/95	12DCLP	CR	PC	< 20	UGL	
TGRSI	10/4/94	12DCLP	CR	PC	< 25	UGL	
TGRSI	6/6/95	12DCLP	CR	PC	< 50	UGL	
TGRSI	9/11/95	12DCLP	CR	PC	< 50	UGL	
TGRSI	8/1/95	12DCLP	CR	PC	< 50	UGL	
TGRSI	7/6/95	12DCLP	CR	PC	< 25	UGL	
TGRSI	5/2/95	12DCLP	CR	PC	< 25	UGL	
TGRSI	3/14/95	C2H3CL	CR	PC	< 48	UGL	
TGRSI	1/3/95	C2H3CL	CR	PC	< 1.9	UGL	
TGRSI	2/7/95	C2H3CL	CR	PC	< 38	UGL	
TGRSI	12/6/94	C2H3CL	CR	PC	< 1.9	UGL	
TGRSI	11/1/94	C2H3CL	CR	PC	< 1.9	UGL	
TGRSI	10/4/94	C2H3CL	CR	PC	< 48	UGL	
TGRSI	6/6/95	C2H3CL	CR	PC	< 95	UGL	
TGRSI	9/11/95	C2H3CL	CR	PC	< 95	UGL	
TGRSI	8/1/95	C2H3CL	CR	PC	< 95	UGL	
TGRSI	7/6/95	C2H3CL	CR	PC	< 48	UGL	
TGRSI	5/2/95	C2H3CL	CR	PC	< 48	UGL	
TGRSI	4/10/95	C2H3CL	CR	PC	< 1.9	UGL	
TGRSI	3/14/95	CCL4	CR	PC	< 33	UGL	
TGRSI	4/10/95	CCL4	CR	PC	< 1.3	UGL	
TGRSI	7/6/95	CCL4	CR	PC	< 33	UGL	
TGRSI	8/1/95	CCL4	CR	PC	< 65	UGL	
TGRSI	1/3/95	CCL4	CR	PC	< 1.3	UGL	
TGRSI	2/7/95	CCL4	CR	PC	< 26	UGL	
TGRSI	12/6/94	CCL4	CR	PC	< 1.3	UGL	
TGRSI	11/1/94	CCL4	CR	PC	< 1.3	UGL	
TGRSI	10/4/94	CCL4	CR	PC	< 33	UGL	
TGRSI	6/6/95	CCL4	CR	PC	< 65	UGL	
TGRSI	9/11/95	CCL4	CR	PC	< 65	UGL	
TGRSI	5/2/95	CCL4	CR	PC	< 33	UGL	
TGRSI	3/14/95	CH2CL2	CR	PC	< 80	UGL	
TGRSI	4/10/95	CH2CL2	CR	PC	< 3.2	UGL	
TGRSI	11/1/94	CH2CL2	CR	PC	< 3.2	UGL	
TGRSI	10/4/94	CH2CL2	CR	PC	< 80	UGL	
TGRSI	1/3/95	CH2CL2	CR	PC	< 3.2	UGL	

1995 INFLUENT/EFFLUENT DATABASE
TGRS, TCAAP

Location	Sample Date	Chemical	Prime Contractor	Laboratory	Concentration	Units	Data Qualifiers
TGRSI	2/7/95	CH2CL2	CR	PC	< 64	UGL	
TGRSI	12/6/94	CH2CL2	CR	PC	< 3.2	UGL	
TGRSI	6/6/95	CH2CL2	CR	PC	< 160	UGL	
TGRSI	9/11/95	CH2CL2	CR	PC	< 160	UGL	
TGRSI	8/1/95	CH2CL2	CR	PC	< 160	UGL	
TGRSI	7/6/95	CH2CL2	CR	PC	< 80	UGL	
TGRSI	5/2/95	CH2CL2	CR	PC	< 80	UGL	
TGRSI	3/14/95	CHCL3	CR	PC	< 18	UGL	
TGRSI	2/7/95	CHCL3	CR	PC	< 14	UGL	
TGRSI	10/4/94	CHCL3	CR	PC	< 18	UGL	
TGRSI	6/6/95	CHCL3	CR	PC	< 36	UGL	
TGRSI	9/11/95	CHCL3	CR	PC	< 36	UGL	
TGRSI	8/1/95	CHCL3	CR	PC	< 36	UGL	
TGRSI	7/6/95	CHCL3	CR	PC	< 18	UGL	
TGRSI	5/2/95	CHCL3	CR	PC	< 18	UGL	
TGRSI	3/14/95	TCLEE	CR	PC	< 25	UGL	
TGRSI	7/6/95	TCLEE	CR	PC	< 25	UGL	
TGRSI	2/7/95	TCLEE	CR	PC	< 20	UGL	
TGRSI	12/6/94	TCLEE	CR	PC	< 1	UGL	
TGRSI	10/4/94	TCLEE	CR	PC	< 25	UGL	
TGRSI	6/6/95	TCLEE	CR	PC	< 50	UGL	I
TGRSI	9/11/95	TCLEE	CR	PC	< 50	UGL	
TGRSI	8/1/95	TCLEE	CR	PC	< 50	UGL	
TGRSI	5/2/95	TCLEE	CR	PC	< 25	UGL	
TGRSI	3/14/95	TCLTFE	CR	PC	< 25	UGL	
TGRSI	10/4/94	TCLTFE	CR	PC	< 25	UGL	
TGRSI	6/6/95	TCLTFE	CR	PC	< 50	UGL	
TGRSI	2/7/95	TCLTFE	CR	PC	< 20	UGL	
TGRSI	8/1/95	TCLTFE	CR	PC	< 50	UGL	
TGRSI	7/6/95	TCLTFE	CR	PC	< 25	UGL	
TGRSI	5/2/95	TCLTFE	CR	PC	< 25	UGL	
TGRSE	4/10/95	111TCE	CR	PC	ND	UGL	RD
TGRSE	4/10/95	112TCE	CR	PC	ND	UGL	RD
TGRSE	4/10/95	112TCE	CR	PC	ND	UGL	R
TGRSE	4/10/95	11DCE	CR	PC	ND	UGL	RD
TGRSE	4/10/95	11DCE	CR	PC	ND	UGL	R
TGRSE	4/10/95	11DCLE	CR	PC	ND	UGL	RD
TGRSE	4/10/95	11DCLE	CR	PC	ND	UGL	R
TGRSE	3/14/95	124TCB	CR	PC	ND	UGL	R
TGRSE	3/14/95	12DCLB	CR	PC	ND	UGL	R
TGRSE	4/10/95	12DCLE	CR	PC	ND	UGL	RD
TGRSE	4/10/95	12DCLE	CR	PC	ND	UGL	R
TGRSE	4/10/95	12DCLP	CR	PC	ND	UGL	RD
TGRSE	4/10/95	12DCLP	CR	PC	ND	UGL	R
TGRSE	3/14/95	13DCLB	CR	PC	ND	UGL	R

1995 INFLUENT/EFFLUENT DATABASE
TGRS, TCAAP

Location	Sample Date	Chemical	Prime Contractor	Laboratory	Concentration	Units	Data Qualifiers
TGRSE	3/14/95	14DCLB	CR	PC	ND	UGL	R
TGRSE	3/14/95	245TCP	CR	PC	ND	UGL	R
TGRSE	3/14/95	246TCP	CR	PC	ND	UGL	R
TGRSE	3/14/95	24DCLP	CR	PC	ND	UGL	R
TGRSE	3/14/95	24DMPN	CR	PC	ND	UGL	R
TGRSE	3/14/95	24DNP	CR	PC	ND	UGL	R
TGRSE	3/14/95	24DNT	CR	PC	ND	UGL	R
TGRSE	3/14/95	26DNT	CR	PC	ND	UGL	R
TGRSE	3/14/95	2CLP	CR	PC	ND	UGL	R
TGRSE	3/14/95	2CNAP	CR	PC	ND	UGL	R
TGRSE	3/14/95	2MNAP	CR	PC	ND	UGL	R
TGRSE	3/14/95	2MP	CR	PC	ND	UGL	R
TGRSE	3/14/95	2NANIL	CR	PC	ND	UGL	R
TGRSE	3/14/95	2NP	CR	PC	ND	UGL	R
TGRSE	3/14/95	33DCBD	CR	PC	ND	UGL	R
TGRSE	3/14/95	3NANIL	CR	PC	ND	UGL	R
TGRSE	3/14/95	46DN2C	CR	PC	ND	UGL	R
TGRSE	3/14/95	4BRPPE	CR	PC	ND	UGL	R
TGRSE	3/14/95	4CANIL	CR	PC	ND	UGL	R
TGRSE	3/14/95	4CL3C	CR	PC	ND	UGL	R
TGRSE	3/14/95	4CLPPE	CR	PC	ND	UGL	R
TGRSE	3/14/95	4MP	CR	PC	ND	UGL	R
TGRSE	3/14/95	4NANIL	CR	PC	ND	UGL	R
TGRSE	3/14/95	4NP	CR	PC	ND	UGL	R
TGRSE	4/10/95	ACET	CR	PC	ND	UGL	R
TGRSE	4/10/95	ACET	CR	PC	ND	UGL	RD
TGRSE	3/14/95	ANAPNE	CR	PC	ND	UGL	R
TGRSE	3/14/95	ANAPYL	CR	PC	ND	UGL	R
TGRSE	3/14/95	ANTRC	CR	PC	ND	UGL	R
TGRSE	4/10/95	AS	CR	PC	ND	UGL	
TGRSE	3/14/95	AS	CR	PC	ND	UGL	
TGRSE	1/3/95	AS	CR	PC	ND	UGL	
TGRSE	12/6/94	AS	CR	PC	ND	UGL	
TGRSE	11/1/94	AS	CR	PC	ND	UGL	
TGRSE	10/4/94	AS	CR	PC	ND	UGL	
TGRSE	2/7/95	AS	CR	PC	ND	UGL	
TGRSE	9/5/95	AS	CR	PC	ND	UGL	
TGRSE	8/1/95	AS	CR	PC	ND	UGL	
TGRSE	7/6/95	AS	CR	PC	ND	UGL	
TGRSE	5/2/95	AS	CR	PC	ND	UGL	
TGRSE	6/6/95	AS	CR	PC	ND	UGL	
TGRSE	3/14/95	B2CEXM	CR	PC	ND	UGL	R
TGRSE	3/14/95	B2CIPE	CR	PC	ND	UGL	R
TGRSE	3/14/95	B2CLEE	CR	PC	ND	UGL	R
TGRSE	3/14/95	B2EHP	CR	PC	ND	UGL	R

1995 INFLUENT/EFFLUENT DATABASE
TGRS, TCAAP

Location	Sample Date	Chemical	Prime Contractor	Laboratory	Concentration	Units	Data Qualifiers
TGRSE	3/14/95	BAANTR	CR	PC	ND	UGL	R
TGRSE	3/14/95	BAPYR	CR	PC	ND	UGL	R
TGRSE	3/14/95	BBFANT	CR	PC	ND	UGL	R
TGRSE	3/14/95	BBZP	CR	PC	ND	UGL	R
TGRSE	3/14/95	BENZOA	CR	PC	ND	UGL	R
TGRSE	3/14/95	BGHIPY	CR	PC	ND	UGL	R
TGRSE	3/14/95	BKFANT	CR	PC	ND	UGL	R
TGRSE	4/10/95	BRDCLM	CR	PC	ND	UGL	R
TGRSE	4/10/95	BRDCLM	CR	PC	ND	UGL	RD
TGRSE	3/14/95	BZALC	CR	PC	ND	UGL	R
TGRSE	4/10/95	C12DCE	CR	PC	ND	UGL	R
TGRSE	4/10/95	C12DCE	CR	PC	ND	UGL	RD
TGRSE	4/10/95	C13DCP	CR	PC	ND	UGL	R
TGRSE	4/10/95	C13DCP	CR	PC	ND	UGL	RD
TGRSE	4/10/95	C2H3CL	CR	PC	ND	UGL	RD
TGRSE	4/10/95	C2H3CL	CR	PC	ND	UGL	R
TGRSE	4/10/95	C2H5CL	CR	PC	ND	UGL	R
TGRSE	4/10/95	C2H5CL	CR	PC	ND	UGL	RD
TGRSE	4/10/95	C6H6	CR	PC	ND	UGL	R
TGRSE	4/10/95	C6H6	CR	PC	ND	UGL	RD
TGRSE	4/10/95	CCL4	CR	PC	ND	UGL	R
TGRSE	4/10/95	CCL4	CR	PC	ND	UGL	RD
TGRSE	4/10/95	CH2CL2	CR	PC	ND	UGL	RD
TGRSE	4/10/95	CH2CL2	CR	PC	ND	UGL	R
TGRSE	4/10/95	CH3BR	CR	PC	ND	UGL	R
TGRSE	4/10/95	CH3BR	CR	PC	ND	UGL	RD
TGRSE	4/10/95	CH3CL	CR	PC	ND	UGL	R
TGRSE	4/10/95	CH3CL	CR	PC	ND	UGL	RD
TGRSE	4/10/95	CHBR3	CR	PC	ND	UGL	R
TGRSE	4/10/95	CHBR3	CR	PC	ND	UGL	RD
TGRSE	4/10/95	CHCL3	CR	PC	ND	UGL	RD
TGRSE	4/10/95	CHCL3	CR	PC	ND	UGL	R
TGRSE	3/14/95	CHRY	CR	PC	ND	UGL	R
TGRSE	3/14/95	CL6BZ	CR	PC	ND	UGL	R
TGRSE	3/14/95	CL6CP	CR	PC	ND	UGL	R
TGRSE	3/14/95	CL6ET	CR	PC	ND	UGL	R
TGRSE	4/10/95	CLC6H5	CR	PC	ND	UGL	R
TGRSE	4/10/95	CLC6H5	CR	PC	ND	UGL	RD
TGRSE	12/6/94	CO	CR	PC	ND	UGL	
TGRSE	9/5/95	CO	CR	PC	ND	UGL	
TGRSE	6/6/95	CO	CR	PC	ND	UGL	
TGRSE	4/10/95	CS2	CR	PC	ND	UGL	R
TGRSE	4/10/95	CS2	CR	PC	ND	UGL	RD
TGRSE	3/14/95	DBAHA	CR	PC	ND	UGL	R
TGRSE	4/10/95	DBRCLM	CR	PC	ND	UGL	R

1995 INFLUENT/EFFLUENT DATABASE
TGRS, TCAAP

Location	Sample Date	Chemical	Prime Contractor	Laboratory	Concentration	Units	Data Qualifiers
TGRSE	4/10/95	DBRCLM	CR	PC	ND	UGL	RD
TGRSE	3/14/95	DBZFUR	CR	PC	ND	UGL	R
TGRSE	3/14/95	DEP	CR	PC	ND	UGL	R
TGRSE	3/14/95	DMP	CR	PC	ND	UGL	R
TGRSE	3/14/95	DNBP	CR	PC	ND	UGL	R
TGRSE	3/14/95	DNOP	CR	PC	ND	UGL	R
TGRSE	4/10/95	ETC6H5	CR	PC	ND	UGL	R
TGRSE	4/10/95	ETC6H5	CR	PC	ND	UGL	RD
TGRSE	3/14/95	FANT	CR	PC	ND	UGL	R
TGRSE	3/14/95	FLRENE	CR	PC	ND	UGL	R
TGRSE	3/14/95	HCBD	CR	PC	ND	UGL	R
TGRSE	3/14/95	ICDPYR	CR	PC	ND	UGL	R
TGRSE	3/14/95	ISOPHR	CR	PC	ND	UGL	R
TGRSE	4/10/95	MEC6H5	CR	PC	ND	UGL	R
TGRSE	4/10/95	MEC6H5	CR	PC	ND	UGL	RD
TGRSE	4/10/95	MEK	CR	PC	ND	UGL	R
TGRSE	4/10/95	MEK	CR	PC	ND	UGL	RD
TGRSE	4/10/95	MIBK	CR	PC	ND	UGL	R
TGRSE	4/10/95	MIBK	CR	PC	ND	UGL	RD
TGRSE	4/10/95	MNBK	CR	PC	ND	UGL	R
TGRSE	4/10/95	MNBK	CR	PC	ND	UGL	RD
TGRSE	3/14/95	NAP	CR	PC	ND	UGL	R
TGRSE	3/14/95	NB	CR	PC	ND	UGL	R
TGRSE	3/14/95	NI	CR	PC	ND	UGL	
TGRSE	1/3/95	NI	CR	PC	ND	UGL	
TGRSE	12/6/94	NI	CR	PC	ND	UGL	
TGRSE	11/1/94	NI	CR	PC	ND	UGL	
TGRSE	10/4/94	NI	CR	PC	ND	UGL	
TGRSE	9/5/95	NI	CR	PC	ND	UGL	
TGRSE	8/1/95	NI	CR	PC	ND	UGL	
TGRSE	5/2/95	NI	CR	PC	ND	UGL	
TGRSE	6/6/95	NI	CR	PC	ND	UGL	
TGRSE	7/6/95	NI	CR	PC	ND	UGL	
TGRSE	4/10/95	NI	CR	PC	ND	UGL	
TGRSE	3/14/95	NNDNPA	CR	PC	ND	UGL	R
TGRSE	3/14/95	NNDPA	CR	PC	ND	UGL	R
TGRSE	3/14/95	PB	CR	PC	ND	UGL	
TGRSE	1/3/95	PB	CR	PC	ND	UGL	
TGRSE	12/6/94	PB	CR	PC	ND	UGL	
TGRSE	11/1/94	PB	CR	PC	ND	UGL	
TGRSE	10/4/94	PB	CR	PC	ND	UGL	
TGRSE	2/7/95	PB	CR	PC	ND	UGL	
TGRSE	8/1/95	PB	CR	PC	ND	UGL	
TGRSE	9/11/95	PB	CR	PC	ND	UGL	
TGRSE	7/6/95	PB	CR	PC	ND	UGL	

1995 INFLUENT/EFFLUENT DATABASE
TGRS, TCAAP

Location	Sample Date	Chemical	Prime Contractor	Laboratory	Concentration	Units	Data Qualifiers
TGRSE	6/6/95	PB	CR	PC	ND	UGL	
TGRSE	4/10/95	PB	CR	PC	ND	UGL	
TGRSE	5/2/95	PB	CR	PC	ND	UGL	
TGRSE	3/14/95	PCB016	CR	PC	ND	UGL	T
TGRSE	3/14/95	PCB221	CR	PC	ND	UGL	T
TGRSE	3/14/95	PCB232	CR	PC	ND	UGL	T
TGRSE	3/14/95	PCB242	CR	PC	ND	UGL	T
TGRSE	3/14/95	PCB248	CR	PC	ND	UGL	T
TGRSE	3/14/95	PCB254	CR	PC	ND	UGL	T
TGRSE	3/14/95	PCB260	CR	PC	ND	UGL	T
TGRSE	3/14/95	PCP	CR	PC	ND	UGL	R
TGRSE	3/14/95	PHANTR	CR	PC	ND	UGL	R
TGRSE	3/14/95	PHENOL	CR	PC	ND	UGL	R
TGRSE	3/14/95	PYR	CR	PC	ND	UGL	R
TGRSE	6/6/95	SB	CR	PC	ND	UGL	
TGRSE	9/5/95	SB	CR	PC	ND	UGL	
TGRSE	12/6/94	SB	CR	PC	ND	UGL	
TGRSE	3/14/95	SE	CR	PC	ND	UGL	
TGRSE	4/10/95	STYR	CR	PC	ND	UGL	R
TGRSE	4/10/95	STYR	CR	PC	ND	UGL	RD
TGRSE	5/2/95	T12DCE	CR	PC	ND	UGL	T
TGRSE	1/3/95	T12DCE	CR	PC	ND	UGL	DT
TGRSE	1/3/95	T12DCE	CR	PC	ND	UGL	T
TGRSE	2/7/95	T12DCE	CR	PC	ND	UGL	DT
TGRSE	2/7/95	T12DCE	CR	PC	ND	UGL	T
TGRSE	11/1/94	T12DCE	CR	PC	ND	UGL	TD
TGRSE	11/1/94	T12DCE	CR	PC	ND	UGL	T
TGRSE	4/10/95	T12DCE	CR	PC	ND	UGL	RD
TGRSE	4/10/95	T12DCE	CR	PC	ND	UGL	R
TGRSE	10/4/94	T12DCE	CR	PC	ND	UGL	TD
TGRSE	10/4/94	T12DCE	CR	PC	ND	UGL	T
TGRSE	6/6/95	T12DCE	CR	PC	ND	UGL	T
TGRSE	6/6/95	T12DCE	CR	PC	ND	UGL	TD
TGRSE	9/11/95	T12DCE	CR	PC	ND	UGL	TD
TGRSE	9/11/95	T12DCE	CR	PC	ND	UGL	T
TGRSE	8/1/95	T12DCE	CR	PC	ND	UGL	TD
TGRSE	8/1/95	T12DCE	CR	PC	ND	UGL	T
TGRSE	12/6/94	T12DCE	CR	PC	ND	UGL	TD
TGRSE	12/6/94	T12DCE	CR	PC	ND	UGL	T
TGRSE	7/6/95	T12DCE	CR	PC	ND	UGL	T
TGRSE	7/6/95	T12DCE	CR	PC	ND	UGL	TD
TGRSE	5/2/95	T12DCE	CR	PC	ND	UGL	DT
TGRSE	4/10/95	T13DCP	CR	PC	ND	UGL	R
TGRSE	4/10/95	T13DCP	CR	PC	ND	UGL	RD
TGRSE	4/10/95	TCLEA	CR	PC	ND	UGL	R

1995 INFLUENT/EFFLUENT DATABASE
TGRS, TCAAP

Location	Sample Date	Chemical	Prime Contractor	Laboratory	Concentration	Units	Data Qualifiers
TGRSE	4/10/95	TCLEA	CR	PC	ND	UGL	RD
TGRSE	4/10/95	TCLEE	CR	PC	ND	UGL	RD
TGRSE	4/10/95	TCLEE	CR	PC	ND	UGL	R
TGRSE	3/14/95	TL	CR	PC	ND	UGL	
TGRSE	4/10/95	TRCLE	CR	PC	ND	UGL	RD
TGRSE	4/10/95	TRCLE	CR	PC	ND	UGL	R
TGRSE	3/14/95	TXPHEN	CR	PC	ND	UGL	T
TGRSE	4/10/95	TXYLEN	CR	PC	ND	UGL	R
TGRSE	4/10/95	TXYLEN	CR	PC	ND	UGL	RD
TGRSI	3/14/95	T12DCE	CR	PC	ND	UGL	T
TGRSI	10/4/94	T12DCE	CR	PC	ND	UGL	T
TGRSI	6/6/95	T12DCE	CR	PC	ND	UGL	T
TGRSI	1/3/95	T12DCE	CR	PC	ND	UGL	T
TGRSI	2/7/95	T12DCE	CR	PC	ND	UGL	T
TGRSI	12/6/94	T12DCE	CR	PC	ND	UGL	T
TGRSI	11/1/94	T12DCE	CR	PC	ND	UGL	T
TGRSI	9/11/95	T12DCE	CR	PC	ND	UGL	T
TGRSI	8/1/95	T12DCE	CR	PC	ND	UGL	T
TGRSI	7/6/95	T12DCE	CR	PC	ND	UGL	T
TGRSI	5/2/95	T12DCE	CR	PC	ND	UGL	T
TGRSI	4/10/95	T12DCE	CR	PC	ND	UGL	T
TGRSE	4/10/95	111TCE	CR	PC	ND	UGL	R
TGRSE	2/7/95	12DCLE	CR	PC	0.671	UGL	D
TGRSE	2/7/95	12DCLE	CR	PC	0.732	UGL	
TGRSE	3/14/95	BA	CR	PC	94.8	UGL	
TGRSE	3/14/95	CA	CR	PC	67000	UGL	
TGRSE	5/2/95	CH2CL2	CR	PC	3.18	UGL	
TGRSE	5/2/95	CH2CL2	CR	PC	5.58	UGL	D
TGRSE	3/14/95	K	CR	PC	2490	UGL	
TGRSE	3/14/95	MG	CR	PC	27200	UGL	
TGRSE	3/14/95	MN	CR	PC	174	UGL	
TGRSE	12/6/94	MN	CR	PC	243	UGL	
TGRSE	9/11/95	MN	CR	PC	401	UGL	
TGRSE	3/14/95	NA	CR	PC	8460	UGL	
TGRSE	2/7/95	NI	CR	PC	5.09	UGL	
TGRSE	5/2/95	TRCLE	CR	PC	0.658	UGL	
TGRSE	5/2/95	TRCLE	CR	PC	0.526	UGL	1D
TGRSE	12/6/94	TRCLE	CR	PC	0.588	UGL	D
TGRSE	12/6/94	TRCLE	CR	PC	0.476	UGL	1I
TGRSE	11/1/94	TRCLE	CR	PC	0.508	UGL	1D
TGRSE	11/1/94	TRCLE	CR	PC	0.455	UGL	1
TGRSE	10/4/94	TRCLE	CR	PC	0.663	UGL	D
TGRSE	10/4/94	TRCLE	CR	PC	0.675	UGL	
TGRSE	6/6/95	TRCLE	CR	PC	0.412	UGL	1
TGRSE	6/6/95	TRCLE	CR	PC	0.479	UGL	1D

1995 INFLUENT/EFFLUENT DATABASE
TGRS, TCAAP

Location	Sample Date	Chemical	Prime Contractor	Laboratory	Concentration	Units	Data Qualifiers
TGRSE	9/11/95	TRCLE	CR	PC	0.602	UGL	D
TGRSE	9/11/95	TRCLE	CR	PC	0.559	UGL	
TGRSE	2/7/95	TRCLE	CR	PC	0.649	UGL	D
TGRSE	2/7/95	TRCLE	CR	PC	0.5	UGL	1
TGRSE	8/1/95	TRCLE	CR	PC	0.707	UGL	D
TGRSE	8/1/95	TRCLE	CR	PC	0.677	UGL	
TGRSE	7/6/95	TRCLE	CR	PC	0.582	UGL	
TGRSE	7/6/95	TRCLE	CR	PC	0.571	UGL	D
TGRSE	11/1/94	ZN	CR	PC	26.4	UGL	B
TGRSE	10/4/94	ZN	CR	PC	22.4	UGL	B
TGRSE	1/3/95	ZN	CR	PC	16.3	UGL	B
TGRSE	6/6/95	ZN	CR	PC	13.2	UGL	
TGRSE	5/2/95	ZN	CR	PC	16.3	UGL	
TGRSE	4/10/95	ZN	CR	PC	14.2	UGL	
TGRSI	3/14/95	111TCE	CR	PC	190	UGL	
TGRSI	7/6/95	111TCE	CR	PC	200	UGL	
TGRSI	8/1/95	111TCE	CR	PC	200	UGL	
TGRSI	9/11/95	111TCE	CR	PC	170	UGL	
TGRSI	4/10/95	111TCE	CR	PC	130	UGL	
TGRSI	1/3/95	111TCE	CR	PC	230	UGL	
TGRSI	2/7/95	111TCE	CR	PC	170	UGL	
TGRSI	12/6/94	111TCE	CR	PC	190	UGL	
TGRSI	11/1/94	111TCE	CR	PC	230	UGL	
TGRSI	6/6/95	111TCE	CR	PC	180	UGL	
TGRSI	5/2/95	111TCE	CR	PC	170	UGL	
TGRSI	1/3/95	112TCE	CR	PC	1.12	UGL	
TGRSI	3/14/95	11DCE	CR	PC	32	UGL	
TGRSI	1/3/95	11DCE	CR	PC	22.4	UGL	
TGRSI	2/7/95	11DCE	CR	PC	18	UGL	1
TGRSI	12/6/94	11DCE	CR	PC	28.9	UGL	
TGRSI	11/1/94	11DCE	CR	PC	33	UGL	
TGRSI	6/6/95	11DCE	CR	PC	29	UGL	1
TGRSI	9/11/95	11DCE	CR	PC	29	UGL	1
TGRSI	8/1/95	11DCE	CR	PC	33	UGL	1
TGRSI	7/6/95	11DCE	CR	PC	27	UGL	
TGRSI	5/2/95	11DCE	CR	PC	23	UGL	1
TGRSI	4/10/95	11DCE	CR	PC	39.7	UGL	
TGRSI	3/14/95	11DCLE	CR	PC	20	UGL	1
TGRSI	1/3/95	11DCLE	CR	PC	20.2	UGL	
TGRSI	2/7/95	11DCLE	CR	PC	20	UGL	
TGRSI	12/6/94	11DCLE	CR	PC	20.4	UGL	
TGRSI	11/1/94	11DCLE	CR	PC	23	UGL	
TGRSI	7/6/95	11DCLE	CR	PC	18	UGL	1
TGRSI	4/10/95	11DCLE	CR	PC	18.5	UGL	
TGRSI	5/2/95	11DCLE	CR	PC	19	UGL	1

1995 INFLUENT/EFFLUENT DATABASE
TGRS, TCAAP

Location	*Sample Date*	*Chemical*	*Prime Contractor*	*Laboratory*	*Concentration*	*Units*	*Data Qualifiers*
TGRSI	5/2/95	12DCE	CR	PC	8.4	UGL	1
TGRSI	1/3/95	12DCE	CR	PC	7.47	UGL	
TGRSI	2/7/95	12DCE	CR	PC	5.9	UGL	1
TGRSI	12/6/94	12DCE	CR	PC	7.43	UGL	
TGRSI	11/1/94	12DCE	CR	PC	8.63	UGL	
TGRSI	8/1/95	12DCE	CR	PC	17	UGL	1
TGRSI	7/6/95	12DCE	CR	PC	7.6	UGL	1
TGRSI	4/10/95	12DCE	CR	PC	7.43	UGL	
TGRSI	4/10/95	12DCLE	CR	PC	0.679	UGL	
TGRSI	1/3/95	12DCLE	CR	PC	0.927	UGL	
TGRSI	12/6/94	12DCLE	CR	PC	0.946	UGL	I
TGRSI	11/1/94	12DCLE	CR	PC	0.957	UGL	
TGRSI	4/10/95	CHCL3	CR	PC	0.392	UGL	1
TGRSI	1/3/95	CHCL3	CR	PC	0.468	UGL	1
TGRSI	12/6/94	CHCL3	CR	PC	0.511	UGL	1
TGRSI	11/1/94	CHCL3	CR	PC	0.561	UGL	1
TGRSI	1/3/95	TCLEE	CR	PC	1.24	UGL	
TGRSI	11/1/94	TCLEE	CR	PC	0.992	UGL	1
TGRSI	4/10/95	TCLEE	CR	PC	1.02	UGL	1
TGRSI	1/3/95	TCLTFE	CR	PC	0.985	UGL	1
TGRSI	12/6/94	TCLTFE	CR	PC	1.03	UGL	
TGRSI	11/1/94	TCLTFE	CR	PC	1.24	UGL	
TGRSI	9/11/95	TCLTFE	CR	PC	26	UGL	1
TGRSI	4/10/95	TCLTFE	CR	PC	2.72	UGL	
TGRSI	3/14/95	TRCLE	CR	PC	720	UGL	
TGRSI	4/10/95	TRCLE	CR	PC	710	UGL	
TGRSI	1/3/95	TRCLE	CR	PC	1000	UGL	I
TGRSI	2/7/95	TRCLE	CR	PC	820	UGL	
TGRSI	12/6/94	TRCLE	CR	PC	1000	UGL	I
TGRSI	11/1/94	TRCLE	CR	PC	1100	UGL	
TGRSI	10/4/94	TRCLE	CR	PC	40	UGL	
TGRSI	6/6/95	TRCLE	CR	PC	800	UGL	
TGRSI	9/11/95	TRCLE	CR	PC	800	UGL	
TGRSI	8/1/95	TRCLE	CR	PC	970	UGL	
TGRSI	7/6/95	TRCLE	CR	PC	860	UGL	
TGRSI	5/2/95	TRCLE	CR	PC	780	UGL	

1995 INFLUENT/EFFLUENT DATABASE
TGRS, TCAAP

Location	*Sample Date*	*Chemical*	*Prime Contractor*	*Laboratory*	*Concentration*	*Units*	*Data Qualifiers*

Notes:
CR - Conestoga-Rovers & Associates
PC - Pace Laboratories
ND - Not Detected
D - Duplicate analysis
I - Interferences in sample make quantitation and/or identification to be suspect
1 - Result is less than the Certified Reporting Limit but greater than the Criteria of Detection
T - Non-target compound analyzed for but not detected (non-GC/MS methods)
? - Control chart not yet approved by USAEC
B - Analyte found in trip blank as well as in field samples
R - Non-target compound analyzed for but not detected (GC/MS methods)
J - Value is estimated

APPENDIX H

Appendix H

TGRS Operational Data
and
Site K Operational Data

Appendix H.1

Alliant Techsystems TGRS
Treatment Center Water Meter
Reading Log
October 1994

ALLIANT TECHSYSTEMS TGRS TREATMENT CENTER WATER METER READING LOG
OCTOBER, 1994

	METER READINGS (GALLONS)						VOLUME OF TREATED WATER (GALLONS) AND FLOW RATE (GALLONS PER MINUTE, GPM)											
DATE	METER #1	METER #2	METER #3	METER #4	METER #5	METER #6	METER #1	METER #2	TOTAL	GPM	METER #3	METER #4	TOTAL	GPM	METER #5	METER #6	TOTAL	GPM
9/30/94	78346000	2480639000	2258116000	2706486000	2172102000	1984530000	-	-	-	-	-	-	-	-	-	-	-	-
10/1/94	80273000	2482583000	2259580000	2708651000	2174265000	1987589000	1927000	1944000	3871000	2688	1464000	2165000	3629000	2520	2163000	3059000	5222000	3626
10/2/94	82364000	2484539000	2261120000	2710849000	2176497000	1990750000	2091000	1956000	4047000	2753	1540000	2198000	3738000	2543	2232000	3161000	5393000	3669
10/3/94	84888000	2486897000	2262969000	2713513000	2179186000	1994566000	2524000	2358000	4882000	2758	1849000	2664000	4513000	2550	2689000	3816000	6505000	3675
10/4/94	86469000	2488373000	2264103000	2715197000	2180868000	1996956000	1581000	1476000	3057000	2754	1134000	1684000	2818000	2539	1682000	2390000	4072000	3668
10/5/94	88610000	2490352000	2265644000	2717458000	2183137000	1999795000	2141000	1979000	4120000	2747	1541000	2261000	3802000	2535	2269000	2839000	5108000	3405
10/6/94	90663000	2492255000	2267123000	2719629000	2185313000	2000009000	2053000	1903000	3956000	2747	1479000	2171000	3650000	2535	2176000	214000	2390000	1660
10/7/94	92982000	2494370000	2268783000	2722054000	2187746000	2000699000	2319000	2115000	4434000	2505	1660000	2425000	4085000	2308	2433000	690000	3123000	1764
10/8/94	94600000	2495847000	2269947000	2723736000	2189448000	2000948000	1618000	1477000	3095000	2788	1164000	1682000	2846000	2564	1702000	249000	1951000	1758
10/9/94	96673000	2497727000	2271417000	2725907000	2191619000	2000951000	2073000	1880000	3953000	2745	1470000	2171000	3641000	2528	2171000	3000	2174000	1510
10/10/94	98655000	2499527000	2272833000	2727976000	2193696000	2000953000	1982000	1800000	3782000	2626	1416000	2069000	3485000	2420	2077000	2000	2079000	1444
10/11/94	100516000	2501223000	2274176000	2729915000	2195650000	2000956000	1861000	1696000	3557000	2237	1343000	1939000	3282000	2064	1954000	3000	1957000	1231
10/12/94	102107000	2502676000	2275312000	2731581000	2197323000	2000959000	1591000	1453000	3044000	2602	1136000	1666000	2802000	2395	1673000	3000	1676000	1432
10/13/94	104680000	2504807000	2277081000	2734142000	2199904000	2000962000	2573000	2131000	4704000	2613	1769000	2561000	4330000	2406	2581000	3000	2584000	1436
10/14/94	106392000	2506188000	2278239000	2735830000	2201599000	2000962000	1712000	1381000	3093000	2578	1158000	1688000	2846000	2372	1695000	0	1695000	1413
10/15/94	108502000	2507890000	2279661000	2737908000	2203691000	2000963000	2110000	1702000	3812000	2593	1422000	2078000	3500000	2381	2092000	1000	2093000	1424
10/16/94	110554000	2509725000	2281113000	2740034000	2205829000	2000974000	2052000	1835000	3887000	2644	1452000	2126000	3578000	2434	2138000	11000	2149000	1462
10/17/94	112541000	2511596000	2282563000	2742214400	2207911000	2000980000	1987000	1871000	3858000	2796	1450000	2180400	3630400	2631	2082000	6000	2088000	1513
10/18/94	114567000	2513480000	2284042000	2744249000	2210087000	2000980000	2026000	1884000	3910000	2773	1479000	2034600	3513600	2492	2176000	0	2176000	1543
10/19/94	116674000	2515424000	2285567000	2746444000	2212310000	2000980000	2107000	1944000	4051000	2756	1525000	2195000	3720000	2531	2223000	0	2223000	1512
10/20/94	118697000	2517296000	2287033000	2748558000	2214444000	2000980000	2023000	1872000	3895000	2762	1466000	2114000	3580000	2539	2134000	0	2134000	1513
10/21/94	120767000	2519231000	2288539000	2750738000	2216641000	2000980000	2070000	1935000	4005000	2781	1506000	2180000	3686000	2560	2197000	0	2197000	1526
10/22/94	122947000	2521279000	2290121000	2753030000	2218960000	2000980000	2180000	2048000	4228000	2763	1582000	2292000	3874000	2532	2319000	0	2319000	1516
10/23/94	125095000	2523307000	2291681000	2755309000	2221249000	2000985000	2148000	2028000	4176000	2784	1560000	2279000	3839000	2559	2289000	5000	2294000	1529
10/24/94	127124000	2525217000	2293160000	2757447000	2223411000	2000986000	2029000	1910000	3939000	2794	1479000	2138000	3617000	2565	2162000	1000	2163000	1534
10/25/94	129196000	2527178000	2294669000	2759645000	2225626000	2000986000	2072000	1961000	4033000	2801	1509000	2198000	3707000	2574	2215000	0	2215000	1538
10/26/94	131188000	2529043000	2296120000	2761739000	2227741000	2000986000	1992000	1865000	3857000	2795	1451000	2094000	3545000	2569	2115000	0	2115000	1533
10/27/94	133679000	2531378000	2297948000	2764348000	2230389000	2000986000	2491000	2335000	4826000	2774	1828000	2609000	4437000	2550	2648000	0	2648000	1522
10/28/94	135313000	2532871000	2299106000	2766056000	2232104000	2000986000	1634000	1493000	3127000	2743	1158000	1708000	2866000	2514	1715000	0	1715000	1504
10/29/94	137927000	2535252000	2300967000	2768779000	2234844000	2000986000	2614000	2381000	4995000	2822	1861000	2723000	4584000	2590	2740000	0	2740000	1548
10/30/94	139666000	2536860000	2302226000	2770592000	2236677000	2000986000	1739000	1608000	3347000	2789	1259000	1813000	3072000	2560	1833000	0	1833000	1528
10/31/94	142128000	2539102000	2303988000	2773143000	2239284000	2000986000	2462000	2242000	4704000	2751	1762000	2551000	4313000	2522	2607000	0	2607000	1525
TOTAL	63782000	58463000	45872000	66657000	67182000	16456000	63782000	58463000	122245000	2761	45872000	66657000	112529000	2542	67182000	16456000	83638000	1889

Note: Use Meter 1 and 2 for tracking total system flow volume. Meters 3, 4, 5 and 6 are for process control.

ALLIANT TECHSYSTEMS TGRS EXTRACTION WELL WATER PUMPED
OCTOBER, 1994

VOLUME OF WATER PUMPED (GALLONS)

DATE	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5	TOTAL
10/1/94	334900	203900	305900	272300	265500	415400	417900	190900	207100	330500	158700	285500	40900	138500	44100	139000	3751000
10/2/94	347600	209300	312200	278100	280000	429400	434400	197200	214500	343100	156400	293700	43100	143000	47300	142400	3871700
10/3/94	421000	253200	388400	334200	339300	520600	528400	239500	260900	416600	195000	355300	52400	172500	57000	171300	4705600
10/4/94	258700	154900	239600	203700	214300	316300	321900	146800	159100	253600	122400	215000	32500	106900	35200	105900	2886800
10/5/94	357000	214300	325200	282100	284900	438400	447500	202700	220200	352100	160400	297500	45000	145000	48700	143800	3964800
10/6/94	337600	201900	306900	264800	267000	412400	419100	191100	207500	330700	157700	283600	42600	137900	46400	137300	3744500
10/7/94	378800	238700	348600	299700	314700	466100	475600	216500	234600	374200	183600	323000	48600	156300	53000	156500	4268500
10/8/94	259600	155600	233500	197200	213100	309000	314800	145700	156300	249500	130400	214700	28800	109200	37100	110700	2865200
10/9/94	343900	206600	305500	259500	274400	409900	423900	193600	208100	333700	165600	292000	38900	140600	48100	141800	3786100
10/10/94	338000	203400	316600	261600	288900	423500	437600	196600	213600	343000	161700	295000	43600	136900	46800	137200	3844000
10/11/94	307100	188200	283900	231600	249000	380900	387000	175900	191000	303600	116300	267200	25700	126400	42700	127300	3403800
10/12/94	264600	159700	239700	195100	230200	317900	328100	150700	161500	257500	91500	223000	20900	107100	36800	108600	2892900
10/13/94	440600	270700	382400	69600	349800	524400	541300	242200	262400	430100	155600	358300	39500	173700	65900	174900	4481400
10/14/94	294100	181000	260800	0	230800	346500	357700	160300	174000	284900	100700	233600	28000	117300	44800	115500	2930000
10/15/94	363700	223700	327000	0	291600	428900	443800	198100	214800	353600	117900	286800	36600	139400	55200	142000	3623100
10/16/94	342600	214100	311300	232900	289200	410300	426100	192100	208600	334000	120400	277800	35400	136300	51400	137800	3720300
10/17/94	331800	199300	304300	293300	272400	409300	418300	190300	207400	325300	152800	290600	32200	133900	46500	136100	3743800
10/18/94	329100	198100	294500	290100	269200	398000	322200	187400	203700	321100	143900	280700	34000	134700	47700	137100	3591500
10/19/94	346900	208900	310100	207000	277300	417900	524300	196600	213000	337400	150900	292000	35200	140300	49900	142200	3849900
10/20/94	332400	199400	308300	395000	269500	401300	414000	188600	204200	323600	139700	276400	33400	133500	47700	136600	3803600
10/21/94	338600	202600	313000	303500	292800	409200	423900	193200	210000	328900	153500	283200	33300	136100	48100	138800	3808700
10/22/94	353900	210900	333600	315500	304400	431000	441600	202500	220500	342400	168600	294700	34800	141700	49500	147900	3993500
10/23/94	351400	208900	331400	313200	317500	434400	440200	201300	219400	340900	157800	294700	33500	140500	48500	146200	3979800
10/24/94	332600	197400	312000	296200	296600	411200	416400	190500	207500	321700	133700	294100	31200	134600	45800	138700	3760200
10/25/94	336400	199100	316800	300300	304000	417100	422400	193300	210600	326100	156400	297200	31100	135800	45700	140700	3833000
10/26/94	324800	192200	302800	290200	276600	398300	406100	185700	202600	314200	150000	282700	29200	130100	44800	134300	3664600
10/27/94	407700	240900	379000	365400	366000	497200	510600	233500	253800	394600	182000	350100	34400	162700	56100	167900	4601900
10/28/94	271500	161400	248100	238200	224700	331800	336300	153000	166600	261700	84500	223700	20700	107400	36300	109600	2975500
10/29/94	424200	251200	378800	371600	346600	509400	513200	235400	256000	400900	140900	337000	30500	170400	60400	172400	4598900
10/30/94	299400	176700	276600	265800	245700	362900	371400	170200	184700	289100	122500	244800	21000	119300	41600	122000	3313700
10/31/94	402300	238500	364700	357800	333200	495500	509500	229300	250400	396200	147200	337000	27400	156500	55900	160300	4461700
TOTAL	10572800	6364700	9661500	7985500	8779200	12874400	13175500	5990700	6504600	10314800	4478700	8880900	1064400	4264500	1485000	4322800	116720000

ALLIANT TECHSYSTEMS TGRS EXTRACTION WELL WATER PUMPED
OCTOBER, 1994

METER READINGS (GALLONS)

DATE	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5
9/30/94	111283000	146671800	44513000	77375700	78341600	213518900	126682800	98531800	107363800	125021100	93447800	65650300	14309200	91543200	56857300	14148800
10/1/94	111617900	146875700	44818900	77648000	78607100	213934300	127100700	98722700	107570900	125351600	93606500	65935800	14350100	91681700	56901400	14287800
10/2/94	111965500	147085000	45131100	77926100	78887100	214363700	127535100	98919900	107785400	125694700	93762900	66229500	14393200	91824700	56948700	14430200
10/3/94	112386500	147338200	45519500	78260300	79226400	214884300	128063500	99159400	108046300	126111300	93957900	66584800	14445600	91997200	57005700	14601500
10/4/94	112645200	147493100	45759100	78464000	79440700	215200600	128385400	99306200	108205400	126364900	94080300	66799800	14478100	92104100	57040900	14707400
10/5/94	113002200	147707400	46084300	78746100	79725600	215639000	128832900	99508900	108425600	126717000	94240700	67097300	14523100	92249100	57089600	14851200
10/6/94	113339800	147909300	46391200	79010900	79992600	216051400	129252000	99700000	108633100	127047700	94398400	67380900	14565700	92387000	57136000	14988500
10/7/94	113718600	148148000	46739800	79310600	80307300	216517500	129727600	99916500	108867700	127421900	94582000	67703900	14614300	92543300	57189000	15145000
10/8/94	113978200	148303600	46973300	79507800	80520400	216826500	130042400	100062200	109024000	127671400	94712400	67918600	14643100	92652500	57226100	15255700
10/9/94	114322100	148510200	47278800	79767300	80794800	217236400	130466300	100255800	109232100	128005100	94878000	68210600	14682000	92793100	57274200	15397500
10/10/94	114660100	148713600	47595400	80028900	81083700	217659900	130903900	100452400	109445700	128348100	95039700	68505600	14725600	92930000	57321000	15534700
10/11/94	114967200	148901800	47879300	80260500	81332700	218040800	131290900	100628300	109636700	128651700	95156000	68772800	14751300	93056400	57363700	15662000
10/12/94	115231800	149061500	48119000	80455600	81562900	218358700	131619000	100779000	109798200	128909200	95247500	68995800	14772200	93163500	57400500	15770600
10/13/94	115672400	149332200	48501400	80525200	81912700	218883100	132160300	101021200	110060600	129339300	95403100	69354100	14811700	93337200	57466400	15945500
10/14/94	115966500	149513200	48762200	80525200	82143500	219229600	132518000	101181500	110234600	129624200	95503800	69587700	14839700	93454500	57511200	16061000
10/15/94	116330200	149736900	49089200	80525200	82435100	219658500	132961800	101379600	110449400	129977800	95621700	69874500	14876300	93593900	57566400	16203000
10/16/94	116672800	149951000	49400500	80758100	82724300	220068800	133387900	101571700	110658000	130311800	95742100	70152300	14911700	93730200	57617800	16340800
10/17/94	117004600	150150300	49704800	81051400	82996700	220478100	133806200	101762000	110865400	130637100	95894900	70442900	14943900	93864100	57664300	16476900
10/18/94	117333700	150348400	49999300	81341500	83265900	220876100	134128400	101949400	111069100	130958200	96038800	70723600	14977900	93998800	57712000	16614000
10/19/94	117680600	150557300	50309400	81548500	83543200	221294000	134652700	102146000	111282100	131295600	96189700	71015600	15013100	94139100	57761900	16756200
10/20/94	118013000	150756700	50617700	81943500	83812700	221695300	135066700	102334600	111486300	131619200	96329400	71292000	15046500	94272600	57809600	16892800
10/21/94	118351600	150959300	50930700	82247000	84105500	222104500	135490600	102527800	111696300	131948100	96482900	71575200	15079800	94408700	57857700	17031600
10/22/94	118705500	151170200	51264300	82562500	84409900	222535500	135932200	102730300	111916800	132290500	96651500	71869900	15114600	94550400	57907200	17179500
10/23/94	119056900	151379100	51595700	82875700	84727400	222969900	136372400	102931600	112136200	132631400	96809300	72164600	15148100	94690900	57955700	17325700
10/24/94	119389500	151576500	51907700	83171900	85024000	223381100	136788800	103122100	112343700	132953100	96943000	72458700	15179300	94825500	58001500	17464400
10/25/94	119725900	151775600	52224500	83472200	85328000	223798200	137211200	103315400	112554300	133279200	97099400	72755900	15210400	94961300	58047200	17605100
10/26/94	120050700	151967800	52527300	83762400	85604600	224196500	137617300	103501100	112756900	133593400	97249400	73038600	15239600	95091400	58092000	17739400
10/27/94	120458400	152208700	52906300	84127800	85970600	224693700	138127900	103734600	113010700	133988000	97431400	73388700	15274000	95254100	58148100	17907300
10/28/94	120729900	152370100	53154400	84366000	86195300	225025500	138464200	103887600	113177300	134249700	97515900	73612400	15294700	95361500	58184400	18016900
10/29/94	121154100	152621300	53533200	84737600	86541900	225534900	138977400	104123000	113433300	134650600	97656800	73949400	15325200	95531900	58244800	18189300
10/30/94	121453500	152798000	53809800	85003400	86787600	225897800	139348800	104293200	113618000	134939700	97779300	74194200	15346200	95651200	58286400	18311300
10/31/94	121855800	153036500	54174500	85361200	87120800	226393300	139858300	104522500	113868400	135335900	97926500	74531200	15373600	95807700	58342300	18471600

ALLIANT TECHSYSTEMS TGRS TREATMENT CENTER WATER METER READING LOG
NOVEMBER, 1994

	METER READINGS (GALLONS)					
DATE	METER #1	METER #2	METER #3	METER #4	METER #5	METER #6
10/31/94	142128000	2539102000	2303988000	2773143000	2239284000	2000986000
11/1/94	143728000	2540584000	2305160000	2774803000	2240944000	2000986000
11/2/94	146057000	2542723000	2306839000	2777224000	2243391000	2000986000
11/3/94	147863000	2544372000	2308115000	2779110000	2245288000	2000986000
11/4/94	150556000	2546877000	2310043000	2781947000	2248138000	2000986000
11/5/94	151892000	2548164000	2311015000	2783392000	2249573000	2000986000
11/6/94	154138000	2550308000	2312652000	2785780000	2251982000	2000986000
11/7/94	155930000	2552006000	2313941000	2787690000	2253896000	2000986000
11/8/94	158664000	2554637000	2315946000	2790601000	2256836000	2000986000
11/9/94	160182000	2556093000	2317053000	2792224000	2258467000	2000986000
11/10/94	162351000	2558151000	2318610000	2794540000	2260782000	2000986000
11/11/94	164306000	2559988000	2320028000	2796592000	2262859000	2000986000
11/12/94	166704000	2562242000	2321763000	2799120000	2265407000	2000986000
11/13/94	168800000	2564223000	2323270000	2801346000	2267640000	2000986000
11/14/94	170693000	2566004000	2324654000	2803328000	2269653000	2000986000
11/15/94	172716000	2567905000	2326123000	2805450000	2271805000	2000986000
11/16/94	174827000	2569896000	2327634000	2807693000	2274054000	2000986000
11/17/94	176988000	2571957000	2329198000	2809990000	2276391000	2000992000
11/18/94	178933000	2573804000	2330605000	2812053000	2278485000	2000992000
11/19/94	181220000	2575963000	2332271000	2814457000	2280942000	2000992000
11/20/94	183214000	2577845000	2333722000	2816550000	2283082000	2000992000
11/21/94	184953000	2579482000	2334977000	2818386000	2284945000	2000992000
11/22/94	187084000	2581481000	2336528000	2820615000	2287224000	2000992000
11/23/94	189165000	2583442000	2338026000	2822809000	2289456000	2000992000
11/24/94	191268000	2585415500	2339539500	2825026500	2291706000	2000992000
11/25/94	193371000	2587389000	2341053000	2827244000	2293956000	2000992000
11/26/94	195671000	2589838000	2342727000	2829636000	2296414000	2000992000
11/27/94	197813000	2591534000	2344275000	2831862000	2298701000	2000992000
11/28/94	199756000	2593345000	2345674000	2833896000	2300776000	2000992000
11/29/94	201965000	2595420000	2347259000	2836231000	2303144000	2000992000
11/30/94	203833000	2597176000	2348623000	2838167000	2305143000	2000992000
TOTAL	61705000	58074000	44635000	65024000	65859000	6000

	VOLUME OF TREATED WATER (GALLONS) AND FLOW RATE (GALLONS PER MINUTE, GPM)											
METER #1	METER #2	TOTAL	GPM	METER #3	METER #4	TOTAL	GPM	METER #5	METER #6	TOTAL	GPM
-	-	-	-	-	-	-	-	-	-	-	-	-
1600000	1482000	3082000	2777	1172000	1660000	2832000	2551	1660000	0	1660000	1495
2329000	2139000	4468000	2758	1679000	2421000	4100000	2531	2447000	0	2447000	1510
1806000	1649000	3455000	2742	1276000	1886000	3162000	2510	1897000	0	1897000	1506
2693000	2505000	5198000	2795	1928000	2837000	4765000	2562	2850000	0	2850000	1532
1336000	1287000	2623000	2820	972000	1445000	2417000	2599	1435000	0	1435000	1543
2246000	2144000	4390000	2814	1637000	2388000	4025000	2580	2409000	0	2409000	1544
1792000	1698000	3490000	2837	1289000	1910000	3199000	2601	1914000	0	1914000	1556
2734000	2631000	5365000	2794	2005000	2911000	4916000	2560	2940000	0	2940000	1531
1518000	1456000	2974000	2832	1107000	1623000	2730000	2600	1631000	0	1631000	1553
2169000	2058000	4227000	2818	1557000	2316000	3873000	2582	2315000	0	2315000	1543
1955000	1837000	3792000	2809	1418000	2052000	3470000	2570	2077000	0	2077000	1539
2398000	2254000	4652000	2819	1735000	2528000	4263000	2584	2548000	0	2548000	1544
2096000	1981000	4077000	2831	1507000	2226000	3733000	2592	2233000	0	2233000	1551
1893000	1781000	3674000	2721	1384000	1982000	3366000	2493	2013000	0	2013000	1491
2023000	1901000	3924000	2843	1469000	2122000	3591000	2602	2152000	0	2152000	1559
2111000	1991000	4102000	2790	1511000	2243000	3754000	2554	2249000	0	2249000	1530
2161000	2061000	4222000	2759	1564000	2297000	3861000	2524	2337000	6000	2343000	1531
1945000	1847000	3792000	2873	1407000	2063000	3470000	2629	2094000	0	2094000	1586
2287000	2159000	4446000	2850	1666000	2404000	4070000	2609	2457000	0	2457000	1575
1994000	1882000	3876000	2809	1451000	2093000	3544000	2568	2140000	0	2140000	1551
1739000	1637000	3376000	2679	1255000	1836000	3091000	2453	1863000	0	1863000	1479
2131000	1999000	4130000	2810	1551000	2229000	3780000	2571	2279000	0	2279000	1550
2081000	1961000	4042000	2807	1498000	2194000	3692000	2564	2232000	0	2232000	1550
2103000	1973500	4076500	2831	1513500	2217500	3731000	2591	2250000	0	2250000	1563
2103000	1973500	4076500	2773	1513500	2217500	3731000	2538	2250000	0	2250000	1531
2300000	2449000	4749000	2987	1674000	2392000	4066000	2557	2458000	0	2458000	1546
2142000	1696000	3838000	2611	1548000	2226000	3774000	2567	2287000	0	2287000	1556
1943000	1811000	3754000	2781	1399000	2034000	3433000	2543	2075000	0	2075000	1537
2209000	2075000	4284000	2800	1585000	2335000	3920000	2562	2368000	0	2368000	1548
1868000	1756000	3624000	2684	1364000	1936000	3300000	2444	1999000	0	1999000	1481
61705000	58074000	119779000	2797	44635000	65024000	109659000	2561	65859000	6000	65865000	1538

Note: Use Meter 1 and 2 for tracking total system flow volume. Meters 3, 4, 5 and 6 are for process control.

ALLIANT TECHSYSTEMS TGRS EXTRACTION WELL WATER PUMPED
NOVEMBER, 1994

VOLUME OF WATER PUMPED (GALLONS)

DATE	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5	TOTAL
11/1/94	262900	154900	242400	234100	220800	320000	327600	149800	162500	254400	111800	224000	17200	103800	36600	106000	2928800
11/2/94	383100	225800	355400	340000	312400	465300	475700	217100	235400	369400	154800	322400	24900	150100	53500	153700	4239000
11/3/94	298900	176200	272200	266800	259000	366200	375400	209300	184900	291300	121400	251000	16900	116200	41300	118400	3365400
11/4/94	440200	258600	398300	389400	358900	538900	546200	210800	271900	421600	195800	373100	63100	176700	51000	178900	4873400
11/5/94	213500	124800	200000	189200	177100	263600	266300	122900	133600	204700	109500	182500	44700	87200	48600	88400	2456600
11/6/94	364100	212900	337500	320900	297800	450300	455200	208900	227700	349900	175300	310500	77600	147200	88100	147900	4171800
11/7/94	295000	172700	270900	261400	242000	369600	374900	169900	186600	287400	137700	252800	63100	117500	66300	117500	3385300
11/8/94	441200	256500	415500	390400	384300	543900	549500	254000	275400	420900	211600	368400	97000	177100	113600	178200	5077500
11/9/94	245200	141900	224900	214000	214000	299200	302300	139100	151000	231400	116400	201800	54100	97700	64500	98800	2796300
11/10/94	353100	204900	324300	310300	311200	435200	440000	201200	220100	336700	152000	292100	77100	138700	89000	140000	4025900
11/11/94	317800	184400	291000	278100	280200	390900	395100	180900	197300	302400	134000	260600	54600	124100	77700	126300	3595400
11/12/94	390900	226400	357300	343300	341300	482400	488300	223900	243900	372500	178200	322400	67300	151900	94500	154000	4438500
11/13/94	340700	196700	315400	299300	292700	419900	424400	194700	212300	323400	166900	278800	58500	133700	85600	134300	3877300
11/14/94	309000	178500	281800	270900	264100	381800	386100	176800	192300	293700	147500	254100	52200	121300	76800	121100	3508000
11/15/94	328200	189000	299200	287300	286700	404600	408700	187400	203600	311200	158300	268900	54200	128400	83600	129500	3728800
11/16/94	342700	196800	315000	299600	306700	421200	425800	195500	211900	323600	162300	280100	56500	135900	88400	133900	3895900
11/17/94	349100	208500	328200	305900	290400	428300	432600	199100	217700	326300	168900	302400	62800	143100	92200	141800	3997300
11/18/94	314800	184800	295800	277200	257500	389000	393200	180700	197300	297400	156300	269100	70000	129200	73300	126200	3611800
11/19/94	358900	209800	331900	311500	310100	433500	436000	202500	220200	331100	174100	295400	61500	149600	76500	145300	4047900
11/20/94	322800	189300	299500	284300	284100	399700	404100	185500	202600	305800	157500	273700	54100	131100	69200	130700	3694000
11/21/94	291700	171300	272600	259100	260600	370000	377200	169700	185800	284100	140600	255700	48000	116500	59400	115600	3377900
11/22/94	344100	201000	317200	302000	301300	424400	429900	196500	215000	324600	167600	290400	56500	138800	75300	138300	3922900
11/23/94	335200	195000	315900	296000	298700	409400	420100	192500	211300	316200	169900	283800	55000	134800	75000	134700	3843500
11/24/94	339650	197100	319100	298750	298500	412850	424900	194900	213450	319450	169100	287050	56700	135600	74450	135850	3877400
11/25/94	339650	197100	319100	298750	298500	412850	424900	194900	213450	319450	169100	287050	56700	135600	74450	135850	3877400
11/26/94	370900	214600	350000	321500	317900	450800	463800	213100	233800	348600	191800	315400	63000	146800	82200	147400	4231600
11/27/94	342900	197900	326500	297700	291100	424000	428800	196900	216300	322100	173300	291600	58800	138100	70500	138200	3914700
11/28/94	310500	182400	294200	274500	262500	391800	396200	182100	199200	297600	159100	270000	87400	122900	46800	125900	3603100
11/29/94	360800	204000	335900	311200	301500	439900	444600	204600	224200	333300	188200	302600	82600	142200	65500	142400	4083500
11/30/94	301200	172800	280800	263100	254200	372700	376700	173200	190000	282200	154400	256200	70300	119800	55300	121800	3444700
TOTAL	10008700	5826600	9287800	8796500	8576100	12312200	12494500	5728400	6250700	9502700	4773400	8423900	1762400	3991600	2149200	4006900	113891600

ALLIANT TECHSYSTEMS TGRS EXTRACTION WELL WATER PUMPED
NOVEMBER, 1994

METER READINGS (GALLONS)

DATE	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5
10/31/94	121855800	153036500	54174500	85361200	87120800	226393300	139858300	104522500	113868400	135335900	97926500	74531200	15373600	95807700	58342300	18471600
10/31/94	122118700	153191400	54416900	85595300	87341600	226713300	140185900	104672300	114030900	135590300	98038300	74755200	15390800	95911500	58378900	18577600
10/31/94	122501800	153417200	54772300	85935300	87654000	227178600	140661600	104889400	114266300	135959700	98193100	75077600	15415700	96061600	58432400	18731300
10/31/94	122800700	153593400	55044500	86202100	87913000	227544800	141037000	105098700	114451200	136251000	98314500	75328600	15432600	96177800	58473700	18849700
10/31/94	123240900	153852000	55442800	86591500	88271900	228083700	141583200	105309500	114723100	136672600	98510300	75701700	15495700	96354500	58524700	19028600
10/31/94	123454400	153976800	55642800	86780700	88449000	228347300	141849500	105432400	114856700	136877300	98619800	75884200	15540400	96441700	58573300	19117000
10/31/94	123818500	154189700	55980300	87101600	88746800	228797600	142304700	105641300	115084400	137227200	98795100	76194700	15618000	96588900	58661400	19264900
10/31/94	124113500	154362400	56251200	87363000	88988800	229167200	142679600	105811200	115271000	137514600	98932800	76447500	15681100	96706400	58727700	19382400
10/31/94	124554700	154618900	56666700	87753400	89373100	229711100	143229100	106065200	115546400	137935500	99144400	76815900	15778100	96883500	58841300	19560600
10/31/94	124799900	154760800	56891600	87967400	89587100	230010300	143531400	106204300	115697400	138166900	99260800	77017700	15832200	96981200	58905800	19659400
10/31/94	125153000	154965700	57215900	88277700	89898300	230445500	143971400	106405500	115917500	138503600	99412800	77309800	15909300	97119900	58994800	19799400
10/31/94	125470800	155150100	57506900	88555800	90178500	230836400	144366500	106586400	116114800	138806000	99546800	77570400	15963900	97244000	59072500	19925700
10/31/94	125861700	155376500	57864200	88899100	90519800	231318800	144854800	106810300	116358700	139178500	99725000	77892800	16031200	97395900	59167000	20079700
10/31/94	126202400	155573200	58179600	89198400	90812500	231738700	145279200	107005000	116571000	139501900	99891900	78171600	16089700	97529600	59252600	20214000
10/31/94	126511400	155751700	58461400	89469300	91076600	232120500	145665300	107181800	116763300	139795600	100039400	78425700	16141900	97650900	59329400	20335100
10/31/94	126839600	155940700	58760600	89756600	91363300	232525100	146074000	107369200	116966900	140106800	100197700	78694600	16196100	97779300	59413000	20464600
10/31/94	127182300	156137500	59075600	90056200	91670000	232946300	146499800	107564700	117178800	140430400	100360000	78974700	16252600	97915200	59501400	20598500
10/31/94	127531400	156346000	59403800	90362100	91960400	233374600	146932400	107763800	117396500	140756700	100528900	79277100	16315400	98058300	59593600	20740300
10/31/94	127846200	156530800	59699600	90639300	92217900	233763600	147325600	107944500	117593800	141054100	100685200	79546200	16385400	98187500	59666900	20866500
10/31/94	128205100	156740600	60031500	90950800	92528000	234197100	147761600	108147000	117814000	141385200	100859300	79841600	16446900	98337100	59743400	21011800
10/31/94	128527900	156929900	60331000	91235100	92812100	234596800	148165700	108332500	118016600	141691000	101016800	80115300	16501000	98468200	59812600	21142500
10/31/94	128819600	157101200	60603600	91494200	93072700	234966800	148542900	108502200	118202400	141975100	101157400	80371000	16549000	98584700	59872000	21258100
10/31/94	129163700	157302200	60920800	91796200	93374000	235391200	148972800	108698700	118417400	142299700	101325000	80661400	16605500	98723500	59947300	21396400
10/31/94	129498900	157497200	61236700	92092200	93672700	235800600	149392900	108891200	118628700	142615900	101494900	80945200	16660500	98858300	60022300	21531100
10/31/94	129838550	157694300	61555800	92390950	93971200	236213450	149817800	109086100	118842150	142935350	101664000	81232250	16717200	98993900	60096750	21666950
10/31/94	130178200	157891400	61874900	92689700	94269700	236626300	150242700	109281000	119055600	143254800	101833100	81519300	16773900	99129500	60171200	21802800
10/31/94	130549100	158106000	62224900	93011200	94587600	237077100	150706500	109494100	119289400	143603400	102024900	81834700	16836900	99276300	60253400	21950200
10/31/94	130892000	158303900	62551400	93308900	94878700	237501100	151135300	109691000	119505700	143925500	102198200	82126300	16895700	99414400	60323900	22088400
10/31/94	131202500	158486300	62845600	93583400	95141200	237892900	151531500	109873100	119704900	144223100	102357300	82396300	16983100	99537300	60370700	22214300
10/31/94	131563300	158690300	63181500	93894600	95442700	238332800	151976100	110077700	119929100	144556400	102545500	82698900	17065700	99679500	60436200	22356700
10/31/94	131864500	158863100	63462300	94157700	95696900	238705500	152352800	110250900	120119100	144838600	102699900	82955100	17136000	99799300	60491500	22478500

ALLIANT TECHSYSTEMS TGRS TREATMENT CENTER WATER METER READING LOG
DECEMBER, 1994

METER READINGS (GALLONS)

DATE	METER #1	METER #2	METER #3	METER #4	METER #5	METER #6
11/30/94	203833000	2597176000	2348623000	2838167000	2305143000	2000992000
12/1/94	206043000	2599296000	2350207000	2840503000	2307518000	2000992000
12/2/94	208129000	2601302000	2351705000	2840703000	2309762000	2000992000
12/3/94	210173000	2603317000	2353177000	2844859000	2311956000	2000992000
12/4/94	212902000	2606026000	2355071000	2847792000	2314876000	2000992000
12/5/94	214386000	2607496000	2356032000	2849450000	2316461000	2000992000
12/6/94	216221000	2609312000	2357198000	2851523000	2318421000	2000992000
12/7/94	218352000	2611432000	2358571000	2853928000	2320704000	2000992000
12/8/94	220435000	2613495000	2359870000	2856302000	2322929000	2000992000
12/9/94	222603000	2615625000	2361209000	2858774000	2325234000	2000992000
12/10/94	225054000	2618044000	2362718000	2861576000	2327850000	2000992000
12/11/94	227131000	2620101000	2364012000	2863946000	2330069000	2000992000
12/12/94	228958000	2621910000	2365146000	2866034000	2332022000	2000992000
12/13/94	231778000	2624680000	2366876000	2869264000	2335024000	2000992000
12/14/94	232948000	2625846000	2367617000	2870591000	2336278000	2000992000
12/15/94	234880000	2627803000	2368896000	2870764000	2338359000	2000992000
12/16/94	236674000	2629642000	2370109000	2874768000	2340321000	2000992000
12/17/94	238551000	2631565000	2371367000	2876880000	2342366000	2000992000
12/18/94	240819000	2633871000	2372857000	2879448000	2344835000	2000992000
12/19/94	242906000	2635992000	2374221000	2881807000	2347106000	2000992000
12/20/94	245207000	2638319000	2375716000	2884422000	2349604000	2000992000
12/21/94	246825000	2639931000	2376738000	2886263000	2351350000	2000992000
12/22/94	249264000	2642352000	2378272000	2889040000	2353977000	2000992000
12/23/94	251260000	2644341000	2379541000	2891307000	2356130000	2000992000
12/24/94	253275000	2646250000	2380708000	2893616000	2358254000	2000992000
12/25/94	255427000	2648297500	2381963000	2896089500	2360526000	2000992000
12/26/94	257579000	2650345000	2383218000	2898563000	2362798000	2000992000
12/27/94	259587000	2652172000	2384287000	2900900000	2364873000	2000992000
12/28/94	261695000	2653946000	2385301000	2903345000	2366978000	2000992000
12/29/94	263420000	2655783500	2386395000	2905295000	2368836000	2000992000
12/30/94	265361000	2657621000	2387623000	2907513000	2370946000	2000992000
12/31/94	267605000	2659900000	2389067000	2910077000	2373396000	2000992000
TOTAL	63772000	62724000	40444000	71910000	68253000	0

VOLUME OF TREATED WATER (GALLONS) AND FLOW RATE (GALLONS PER MINUTE, GPM)

METER #1	METER #2	TOTAL	GPM	METER #3	METER #4	TOTAL	GPM	METER #5	METER #6	TOTAL	GPM
-	-	-	-	-	-	-	-	-	-	-	-
2210000	2120000	4330000	2830	1584000	2336000	3920000	2562	2375000	0	2375000	1552
2086000	2006000	4092000	2842	1498000	200000	1698000	1179	2244000	0	2244000	1558
2044000	2015000	4059000	2879	1472000	4156000	5628000	3991	2194000	0	2194000	1556
2729000	2709000	5438000	2877	1894000	2933000	4827000	2554	2920000	0	2920000	1545
1484000	1470000	2954000	2896	961000	1658000	2619000	2568	1585000	0	1585000	1554
1835000	1816000	3651000	2898	1166000	2073000	3239000	2571	1960000	0	1960000	1556
2131000	2120000	4251000	2892	1373000	2405000	3778000	2570	2283000	0	2283000	1553
2083000	2063000	4146000	2879	1299000	2374000	3673000	2551	2225000	0	2225000	1545
2168000	2130000	4298000	2865	1339000	2472000	3811000	2541	2305000	0	2305000	1537
2451000	2419000	4870000	3006	1509000	2802000	4311000	2661	2616000	0	2616000	1615
2077000	2057000	4134000	2871	1294000	2370000	3664000	2544	2219000	0	2219000	1541
1827000	1809000	3636000	2755	1134000	2088000	3222000	2441	1953000	0	1953000	1480
2820000	2770000	5590000	2867	1730000	3230000	4960000	2544	3002000	0	3002000	1539
1170000	1166000	2336000	2884	741000	1327000	2068000	2553	1254000	0	1254000	1548
1932000	1957000	3889000	2091	1279000	173000	1452000	781	2081000	0	2081000	1119
1794000	1839000	3633000	2954	1213000	4004000	5217000	4241	1962000	0	1962000	1595
1877000	1923000	3800000	2946	1258000	2112000	3370000	2612	2045000	0	2045000	1585
2268000	2306000	4574000	2932	1490000	2568000	4058000	2601	2469000	0	2469000	1583
2087000	2121000	4208000	2922	1364000	2359000	3723000	2585	2271000	0	2271000	1577
2301000	2327000	4628000	2911	1495000	2615000	4110000	2585	2498000	0	2498000	1571
1618000	1612000	3230000	2910	1022000	1841000	2863000	2579	1746000	0	1746000	1573
2439000	2421000	4860000	2893	1534000	2777000	4311000	2566	2627000	0	2627000	1564
1996000	1989000	3985000	2888	1269000	2267000	3536000	2562	2153000	0	2153000	1560
2015000	1909000	3924000	2843	1167000	2309000	3476000	2519	2124000	0	2124000	1539
2152000	2047500	4199500	2916	1255000	2473500	3728500	2589	2272000	0	2272000	1578
2152000	2047500	4199500	2745	1255000	2473500	3728500	2437	2272000	0	2272000	1485
2008000	1827000	3835000	2779	1069000	2337000	3406000	2468	2075000	0	2075000	1504
2108000	1774000	3882000	2696	1014000	2445000	3459000	2402	2105000	0	2105000	1462
1725000	1837500	3562500	2375	1094000	1950000	3044000	2029	1858000	0	1858000	1239
1941000	1837500	3778500	2799	1228000	2218000	3446000	2553	2110000	0	2110000	1563
2244000	2279000	4523000	2956	1444000	2564000	4008000	2620	2450000	0	2450000	1601
63772000	62724000	126496000	2865	40444000	71910000	112354000	2545	68253000	0	68253000	1546

Note: Use Meter 1 and 2 for tracking total system flow volume. Meters 3, 4, 5 and 6 are for process control.

ALLIANT TECHSYSTEMS TGRS EXTRACTION WELL WATER PUMPED
DECEMBER, 1994

VOLUME OF WATER PUMPED (GALLONS)

DATE	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5	TOTAL
12/1/94	355400	203600	335500	311300	295000	437900	444600	204400	224200	332700	192500	315800	82800	142600	70000	145700	4094000
12/2/94	333300	190600	311000	293200	290300	409900	416200	191400	209600	310700	177200	291600	77100	133500	69900	135800	3841300
12/3/94	329500	188300	305200	289400	285800	404900	411600	189100	206600	307400	170600	287500	76600	130700	68200	133000	3784400
12/4/94	439300	250700	409000	389000	373300	540400	549100	252100	276000	409900	223200	382800	88500	173100	92400	180000	5028800
12/5/94	238700	136200	219000	211100	197600	292300	296800	136500	149400	221600	119700	206200	48200	93900	51600	96800	2715600
12/6/94	295700	168700	271300	264200	246700	362500	368700	169200	185700	275000	149800	255200	58800	115700	61400	119300	3367900
12/7/94	342900	194900	319300	306300	286600	417800	428900	197100	215600	319500	179600	296900	65000	134700	72600	138600	3916300
12/8/94	334800	190100	309700	297600	318600	406400	417300	191400	209600	310700	166300	288200	58900	130600	70400	134500	3835100
12/9/94	350300	199200	323600	311300	293800	425300	436600	200200	220200	319800	172500	303600	56400	135200	72700	139600	3960300
12/10/94	383400	216800	329600	337700	330400	455400	463100	216000	235200	346100	192700	322800	60300	150200	82000	154500	4276200
12/11/94	335700	189700	326400	297000	292700	406400	418100	191600	209900	309600	173700	291600	61400	130300	69500	136200	3839800
12/12/94	303900	172400	283100	275300	272000	380500	393400	178400	195500	290900	152800	274300	55100	115100	64400	120900	3528000
12/13/94	454000	256400	423500	397000	384100	551600	565800	260400	284000	420300	233100	389700	80400	175500	101900	182900	5160600
12/14/94	188000	105700	178100	166000	167400	229200	234900	108200	118800	174000	99800	161500	32100	72600	41400	75600	2153300
12/15/94	301700	201700	294800	275700	268600	381900	387400	178000	196200	358400	150400	279900	81700	131700	57100	124100	3669300
12/16/94	279600	158900	270800	252700	238900	344600	348500	161800	177600	325500	146800	248400	78500	121000	56300	115500	3325400
12/17/94	297700	169900	283200	267700	254500	369000	372200	172800	189800	332200	148500	261200	88400	128100	63500	122100	3520800
12/18/94	362600	207400	341600	321900	308100	448100	452600	208900	229600	399400	159500	314600	109100	157800	78100	147200	4246500
12/19/94	334200	191000	313800	296000	284400	412600	416800	192500	211600	367100	146200	290500	100800	146700	73700	134600	3912500
12/20/94	370200	211300	342900	327500	315000	455900	460200	212200	233500	405100	157200	319500	111500	160700	80500	148400	4311600
12/21/94	259300	147700	242600	229100	220700	318800	321600	148200	163100	282800	108200	222200	47600	111900	46000	103800	2973600
12/22/94	393200	223500	365200	347200	334600	483600	487800	224700	246900	429200	164600	335700	73900	167600	67300	156500	4501500
12/23/94	318300	180000	295800	282700	271100	392400	395800	182500	200400	348300	148400	273000	61500	135800	54500	127500	3668000
12/24/94	323300	185200	286100	272800	223600	365800	378700	175100	192400	329600	155800	271200	73900	137400	92200	134100	3597200
12/25/94	359350	206900	325200	314150	287550	416950	443700	201950	222950	382900	169100	317750	86350	147300	95400	140450	4117950
12/26/94	359350	206900	325200	314150	287550	416950	443700	201950	222950	382900	169100	317750	86350	147300	95400	140450	4117950
12/27/94	326700	110500	299500	289100	258900	382400	406000	185300	205000	349100	158500	301000	72900	132700	50400	146300	3674300
12/28/94	347700	55400	303300	296400	264600	396300	417500	189900	208700	356800	162500	301000	76100	134900	51300	149600	3712000
12/29/94	275400	159200	262100	252500	222100	329900	347300	159700	176600	305700	118000	254900	55200	114800	44700	134400	3212500
12/30/94	307100	175800	292600	280600	245500	363800	382100	176500	194700	335800	138400	279600	75400	128700	52000	144700	3573300
12/31/94	347400	198400	328500	313800	287000	405500	422700	198500	217700	372100	159100	308700	94900	146300	56500	165000	4022100
TOTAL	10248000	5653000	9517500	9080400	8607000	12405000	12729700	5856500	6430000	10411100	4963800	8964600	2275700	4184400	2103300	4228100	117658100

ALLIANT TECHSYSTEMS TGRS EXTRACTION WELL WATER PUMPED
DECEMBER, 1994

METER READINGS (GALLONS)

DATE	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5
11/30/94	131864500	158863100	63462300	94157700	95696900	238705500	152352800	110250900	120119100	144838600	102699900	82955100	17136000	99799300	60491500	22478500
12/1/94	132219900	159066700	63797800	94469000	95991900	239143400	152797400	110455300	120343300	145171300	102892400	83270900	17218800	99941900	60561500	22624200
12/2/94	132553200	159257300	64108800	94762200	96282200	239553300	153213600	110646700	120552900	145482000	103069600	83562500	17295900	100075400	60631400	22760000
12/3/94	132882700	159445600	64414000	95051600	96568000	239958200	153625200	110835800	120759500	145789400	103240200	83850000	17372500	100206100	60699600	22893000
12/4/94	133322000	159696300	64823000	95440600	96941300	240498600	154174300	111087900	121035500	146199300	103463400	84232800	17461000	100379200	60792000	23073000
12/5/94	133560700	159832500	65042000	95651700	97138900	240790900	154471100	111224400	121184900	146420900	103583100	84439000	17509200	100473100	60843600	23169800
12/6/94	133856400	160001200	65313300	95915900	97385600	241153400	154839800	111393600	121370600	146695900	103732900	84694200	17568000	100588800	60905000	23289100
12/7/94	134199300	160196100	65632600	96222200	97672200	241571200	155268700	111590700	121586200	147015400	103912500	84991100	17633000	100723500	60977600	23427700
12/8/94	134534100	160386200	65942300	96519800	97990800	241977600	155686000	111782100	121795800	147326100	104078800	85279300	17691900	100854100	61048000	23562200
12/9/94	134884400	160585400	66265900	96831100	98284600	242402900	156122600	111982300	122016000	147645900	104251300	85582900	17748300	100989300	61120700	23701800
12/10/94	135267800	160802200	66595500	97168800	98615000	242858300	156585700	112198300	122251200	147992000	104444000	85905700	17808600	101139500	61202700	23856300
12/11/94	135603500	160991900	66921900	97465800	98907700	243264700	157003800	112389900	122461100	148301600	104617700	86197300	17870000	101269800	61272200	23992500
12/12/94	135907400	161164300	67205000	97741100	99179700	243645200	157397200	112568300	122656600	148592500	104770500	86471600	17925100	101384900	61336600	24113400
12/13/94	136361400	161420700	67628500	98138100	99563800	244196800	157963000	112828700	122940600	149012800	105003600	86861300	18005500	101560400	61438500	24296300
12/14/94	136549400	161526400	67806600	98304100	99731200	244426000	158197900	112936900	123059400	149186800	105103400	87022800	18037600	101633000	61479900	24371900
12/15/94	136851100	161728100	68101400	98579800	99999800	244807900	158585300	113114900	123255600	149545200	105253800	87302700	18119300	101764700	61537000	24496000
12/16/94	137130700	161887000	68372200	98832500	100238700	245152500	158933800	113276700	123433200	149870700	105400600	87551100	18197800	101885700	61593300	24611500
12/17/94	137428400	162056900	68655400	99100200	100493200	245521500	159306000	113449500	123623000	150202900	105549100	87812300	18286200	102013800	61656800	24733600
12/18/94	137791000	162264300	68997000	99422100	100801300	245969600	159758600	113658400	123852600	150602300	105708600	88126900	18395300	102171600	61734900	24880800
12/19/94	138125200	162455300	69310800	99718100	101085700	246382200	160175400	113850900	124064200	150969400	105854800	88417400	18496100	102318300	61808600	25015400
12/20/94	138495400	162666600	69653700	100045600	101400700	246838100	160635600	114063100	124297700	151374500	106012000	88736900	18607600	102479000	61889100	25163800
12/21/94	138754700	162814300	69896300	100274700	101621400	247156900	160957200	114211300	124460800	151657300	106120200	88959100	18655200	102590900	61935100	25267600
12/22/94	139147900	163037800	70261500	100621900	101956000	247640500	161445000	114436000	124707700	152086500	106284800	89294800	18729100	102758500	62002400	25424100
12/23/94	139466200	163217800	70557300	100904600	102227100	248032900	161840800	114618500	124908100	152434800	106433200	89567800	18790600	102894300	62056900	25551600
12/24/94	139789500	163403000	70843400	101177400	102450700	248398700	162219500	114793600	125100500	152764400	106589000	89839000	18864500	103031700	62149100	25685700
12/25/94	140148850	163609900	71168600	101491550	102738250	248815650	162663200	114995550	125323450	153147300	106758100	90156750	18950850	103179000	62244500	25826150
12/26/94	140508200	163816800	71493800	101805700	103025800	249232600	163106900	115197500	125546400	153530200	106927200	90474500	19037200	103326300	62339900	25966600
12/27/94	140834900	163927300	71793300	102094800	103284700	249615000	163512900	115382800	125751400	153879300	107085700	90775500	19110100	103459000	62390300	26112900
12/28/94	141182600	163982700	72096600	102391200	103549300	250011300	163930400	115572700	125960100	154236100	107248200	91076500	19186200	103593900	62441600	26262500
12/29/94	141458000	164141900	72358700	102643700	103771400	250341200	164277700	115732400	126136700	154541800	107366200	91331400	19241400	103708700	62486300	26396900
12/30/94	141765100	164317700	72651300	102924300	104016900	250705000	164659800	115908900	126331400	154877600	107504600	91611000	19316800	103837400	62538300	26541600
12/31/94	142112500	164516100	72979800	103238100	104303900	251110500	165082500	116107400	126549100	155249700	107663700	91919700	19411700	103983700	62594800	26706600

ALLIANT TECHSYSTEMS TGRS TREATMENT CENTER WATER METER READING LOG
JANUARY, 1995

METER READINGS (GALLONS)

DATE	METER #1	METER #2	METER #3	METER #4	METER #5	METER #6
12/31/94	267605000	2659900000	2389067000	2910077000	2373396000	2000992000
1/1/95	269687000	2662015000	2390390500	2912457500	2375659500	2000992000
1/2/95	271769000	2664130000	2391714000	2914838000	2377923000	2000992000
1/3/95	273872000	2666252000	2393033000	2917247000	2380201000	2000992000
1/4/95	275827000	2668237000	2394274000	2919486000	2382327000	2000992000
1/5/95	277888000	2670314000	2395569000	2921847000	2384561000	2000992000
1/6/95	280092000	2672552000	2396969000	2924366000	2386958000	2000992000
1/7/95	282142000	2674624000	2398262000	2926708000	2389185000	2000992000
1/8/95	284246000	2676761000	2399605000	2929106000	2391478000	2000992000
1/9/95	286337000	2678905000	2400975000	2931475000	2393767000	2000992000
1/10/95	288343000	2680962000	2402296000	2933741000	2395965000	2000992000
1/11/95	290450000	2683125000	2403674000	2936139000	2398274000	2000992000
1/12/95	292548000	2685274000	2405033000	2938512000	2400577000	2000992000
1/13/95	294807000	2687586000	2406514000	2941067000	2403045000	2000992000
1/14/95	296966000	2689795000	2407923000	2943506000	2404411000	2000992000
1/15/95	299017000	2691867000	2409290000	2945776000	2407640000	2000992000
1/16/95	300873000	2693741000	2410536000	2947806000	2409662000	2000992000
1/17/95	302919000	2695791000	2412013000	2949938000	2411875000	2000992000
1/18/95	304385000	2697078000	2413394000	2950969000	2413353000	2000992000
1/19/95	306873000	2699599000	2415172000	2953589000	2416066000	2000992000
1/20/95	308610000	2701370000	2416455000	2955383000	2417966000	2000992000
1/21/95	310660000	2703458000	2417789000	2957695000	2420211000	2000992000
1/22/95	313353000	2706210000	2419539000	2960733000	2423165000	2000992000
1/23/95	314915000	2707812000	2420562000	2962492000	2424881000	2000992000
1/24/95	317278000	2710237000	2422111000	2965158000	2427479000	2000992000
1/25/95	318994000	2711992000	2423372000	2966944000	2429363000	2000992000
1/26/95	321083000	2714125000	2424902000	2969128000	2431654000	2000992000
1/27/95	323103000	2716194000	2426241000	2971381000	2433877000	2000992000
1/28/95	325470000	2718585000	2427775000	2974030000	2436458000	2000992000
1/29/95	327601000	2720767000	2429207000	2976383000	2438797000	2000992000
1/30/95	329711000	2722818000	2430526000	2978730000	2441048000	2000992000
1/31/95	332041000	2724899000	2431969000	2981161000	2443440000	2000992000
TOTAL	64436000	64999000	42902000	71084000	70044000	0

VOLUME OF TREATED WATER (GALLONS) AND FLOW RATE (GALLONS PER MINUTE, GPM)

METER #1	METER #2	TOTAL	GPM	METER #3	METER #4	TOTAL	GPM	METER #5	METER #6	TOTAL	GPM
-	-	-	-	-	-	-	-	-	-	-	-
2082000	2115000	4197000	2915	1323500	2380500	3704000	2572	2263500	0	2263500	1572
2082000	2115000	4197000	2915	1323500	2380500	3704000	2572	2263500	0	2263500	1572
2103000	2122000	4225000	2934	1319000	2409000	3728000	2589	2278000	0	2278000	1582
1955000	1985000	3940000	2919	1241000	2239000	3480000	2578	2126000	0	2126000	1575
2061000	2077000	4138000	2935	1295000	2361000	3656000	2593	2234000	0	2234000	1584
2204000	2238000	4442000	2903	1400000	2519000	3919000	2561	2397000	0	2397000	1567
2050000	2072000	4122000	2923	1293000	2342000	3635000	2578	2227000	0	2227000	1579
2104000	2137000	4241000	2945	1343000	2398000	3741000	2598	2293000	0	2293000	1592
2091000	2144000	4235000	2941	1370000	2369000	3739000	2597	2289000	0	2289000	1590
2006000	2057000	4063000	2944	1321000	2266000	3587000	2599	2198000	0	2198000	1593
2107000	2163000	4270000	2965	1378000	2398000	3776000	2622	2309000	0	2309000	1603
2098000	2149000	4247000	2949	1359000	2373000	3732000	2592	2303000	0	2303000	1599
2259000	2312000	4571000	2930	1481000	2555000	4036000	2587	2468000	0	2468000	1582
2159000	2209000	4368000	3098	1409000	2439000	3848000	2729	1366000	0	1366000	969
2051000	2072000	4123000	2749	1367000	2270000	3637000	2425	3229000	0	3229000	2153
1856000	1874000	3730000	2703	1246000	2030000	3276000	2374	2022000	0	2022000	1465
2046000	2050000	4096000	2786	1477000	2132000	3609000	2455	2213000	0	2213000	1505
1466000	1287000	2753000	2086	1381000	1031000	2412000	1827	1478000	0	1478000	1120
2488000	2521000	5009000	2830	1778000	2620000	4398000	2485	2713000	0	2713000	1533
1737000	1771000	3508000	2923	1283000	1794000	3077000	2564	1900000	0	1900000	1583
2050000	2088000	4138000	2935	1334000	2312000	3646000	2586	2245000	0	2245000	1592
2693000	2752000	5445000	2975	1750000	3038000	4788000	2616	2954000	0	2954000	1614
1562000	1602000	3164000	2930	1023000	1759000	2782000	2576	1716000	0	1716000	1589
2363000	2425000	4788000	2956	1549000	2666000	4215000	2602	2598000	0	2598000	1604
1716000	1755000	3471000	2967	1261000	1786000	3047000	2604	1884000	0	1884000	1610
2089000	2133000	4222000	2932	1530000	2184000	3714000	2579	2291000	0	2291000	1591
2020000	2069000	4089000	2963	1339000	2253000	3592000	2603	2223000	0	2223000	1611
2367000	2391000	4758000	2937	1534000	2649000	4183000	2582	2581000	0	2581000	1593
2131000	2182000	4313000	2995	1432000	2353000	3785000	2628	2339000	0	2339000	1624
2110000	2051000	4161000	2890	1319000	2347000	3666000	2546	2251000	0	2251000	1563
2330000	2081000	4411000	2626	1443000	2431000	3874000	2306	2392000	0	2392000	1424
64436000	64999000	129435000	2895	42902000	71084000	113986000	2550	70044000	0	70044000	1567

Note: Use Meter 1 and 2 for tracking total system flow volume. Meters 3, 4, 5 and 6 are for process control.

ALLIANT TECHSYSTEMS TGRS EXTRACTION WELL WATER PUMPED
JANUARY, 1995

VOLUME OF WATER PUMPED (GALLONS)

DATE	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5	TOTAL
1/1/95	335950	192550	318450	306500	273050	404000	425900	196100	215950	373000	152750	313200	80200	138150	59500	157550	3942800
1/2/95	335950	192550	318450	306500	273050	404000	425900	196100	215950	373000	152750	313200	80200	138150	59500	157550	3942800
1/3/95	334300	190800	314300	302400	268600	395600	416400	193200	212400	366700	147500	306400	71100	137000	58600	158200	3873500
1/4/95	311200	177000	293100	282600	269800	371500	389900	180500	198400	341300	143300	286900	67700	127200	51000	147000	3638400
1/5/95	357800	186000	308700	296100	273700	387600	407800	188900	207900	359800	138400	300300	69000	134600	55800	154700	3827100
1/6/95	321900	198700	332400	318800	300300	418200	439600	203200	224300	388600	157500	323700	79800	142900	60400	165200	4075500
1/7/95	324900	182800	307100	293900	263200	397000	405100	187600	207200	357700	141700	299100	58000	133400	68500	153200	3780400
1/8/95	334600	187600	316800	303000	286600	411600	416700	193400	213100	367500	135400	308600	60300	136700	71000	157000	3899900
1/9/95	329800	183800	313600	300700	281400	405600	412200	191500	211000	366500	155700	312600	70100	134700	71800	155500	3896500
1/10/95	315900	175600	302600	287900	270600	378300	396400	184100	203100	352800	151000	311900	88600	128500	67500	148200	3763000
1/11/95	342700	188900	328000	313000	309400	411700	433700	200000	221000	382700	160700	341300	95200	139500	72100	159000	4098900
1/12/95	323000	180100	310900	294600	240300	390500	402400	188200	207100	357400	146500	319300	87100	132400	69200	152700	3801700
1/13/95	358500	198000	339200	324300	305700	432100	447300	207800	228600	396100	156300	353900	87300	146200	76800	166300	4224400
1/14/95	327600	179700	306200	292400	272100	383100	393300	186800	202600	349800	150100	313700	83000	137000	74700	155900	3808000
1/15/95	324400	181500	303600	295800	268900	395600	402300	187600	207000	360000	152400	280200	72200	134800	71700	152300	3790300
1/16/95	307700	175700	290300	281900	247700	374800	391900	178900	198700	345700	144500	265300	66400	124100	66600	141200	3601400
1/17/95	342500	191100	300400	301400	258300	396100	404900	187500	207600	362800	156800	260900	68100	136400	75500	182800	3833100
1/18/95	221700	133900	196800	208000	181700	270200	284400	127000	140300	246900	104900	158100	54800	90300	50200	74100	2543300
1/19/95	398800	228100	360700	363300	322400	476000	488600	227100	250500	436100	190500	331900	98800	167100	89300	188200	4617400
1/20/95	274300	172600	251000	248700	219600	328500	337300	156800	172500	300200	135100	238900	72100	119800	61900	132600	3221900
1/21/95	326700	172600	299100	297900	263500	395100	406300	188400	207200	360200	156300	295100	86300	140900	74200	156600	3826400
1/22/95	427000	244400	396200	389100	340400	514300	518800	245800	270400	472400	204100	393400	110400	184200	96900	205000	5012800
1/23/95	247900	141600	231600	226900	212600	299800	318800	143300	157700	276100	116900	231600	62300	106700	55900	117900	2947600
1/24/95	375800	213500	356400	343000	317100	451400	466800	216700	238300	412600	179600	352400	92800	161300	84700	179000	4441400
1/25/95	271000	153800	261400	248200	227200	328400	340000	157300	173100	301900	127800	257600	67500	116600	55300	129700	3216800
1/26/95	329900	187000	322900	300700	263900	389200	409900	190300	209100	362600	158800	311100	83500	142000	69000	158000	3887900
1/27/95	315000	177300	319700	289600	270800	381200	394300	183300	201700	351300	153900	299200	78500	136500	65800	151400	3769500
1/28/95	372100	174900	374400	339600	308900	453800	462700	215200	237100	411300	182200	345600	89600	160000	76600	177300	4381300
1/29/95	329700	239100	331300	304600	272900	405300	415300	192600	212200	370300	163800	291200	77900	143900	72300	158200	3980600
1/30/95	331900	242300	326100	302000	265500	404400	356200	190600	209800	319900	160800	252200	75500	142800	68200	156400	3804600
1/31/95	380800	143300	356900	337100	302300	440300	394400	210300	232900	346300	175800	281500	86200	156900	88700	172100	4105800
TOTAL	10231300	5786800	9688600	9300500	8431500	12295200	12605500	5896100	6494700	11169500	4753800	9250300	2420500	4270700	2139200	4820800	119555000

ALLIANT TECHSYSTEMS TGRS EXTRACTION WELL WATER PUMPED
JANUARY, 1995

METER READINGS (GALLONS)

DATE	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5
12/31/94	142112500	164516100	72979800	103238100	104303900	251110500	165082500	116107400	126549100	155249700	107663700	91919700	19411700	103983700	62594800	26706600
1/1/95	142448450	164708650	73298250	103544600	104576950	251514500	165508400	116303500	126765050	155622700	107816450	92232900	19491900	104121850	62654300	26864150
1/2/95	142784400	164901200	73616700	103851100	104850000	251918500	165934300	116499600	126981000	155995700	107969200	92546100	19572100	104260000	62713800	27021700
1/3/95	143118700	165092000	73931000	104153500	105118600	252314100	166350700	116692800	127193400	156362400	108116700	92852500	19643200	104397000	62772400	27179900
1/4/95	143429900	165269000	74224100	104436100	105388400	252685600	166740600	116873300	127391800	156703700	108260000	93139400	19710900	104524200	62823400	27326900
1/5/95	143787700	165455000	74532800	104732200	105662100	253073200	167148400	117062200	127599700	157063500	108398400	93439700	19779900	104658800	62879200	27481600
1/6/95	144109600	165653700	74865200	105051000	105962400	253491400	167588000	117265400	127824000	157452100	108555900	93763400	19859700	104801700	62939600	27646800
1/7/95	144434500	165836500	75172300	105344900	106225600	253888400	167993100	117453000	128031200	157809800	108697600	94062500	19917700	104935100	63008100	27800000
1/8/95	144769100	166024100	75489100	105647900	106512200	254300000	168409800	117646400	128244300	158177300	108833000	94371100	19978000	105071800	63079100	27957000
1/9/95	145098900	166207900	75802700	105948600	106793600	254705600	168822000	117837900	128455300	158543800	108988700	94683700	20048100	105206500	63150900	28112500
1/10/95	145414800	166383500	76105300	106236500	107064200	255083900	169218400	118022000	128658400	158896600	109139700	94995600	20136700	105335000	63218400	28260700
1/11/95	145757500	166572400	76433300	106549500	107373600	255495600	169652100	118222000	128879400	159279300	109300400	95336900	20231900	105474500	63290500	28419700
1/12/95	146080500	166752500	76744200	106844100	107613900	255886100	170054500	118410200	129086500	159636700	109446900	95656200	20319000	105606900	63359700	28572400
1/13/95	146439000	166950500	77083400	107168400	107919600	256318200	170501800	118618000	129315100	160032800	109603200	96010100	20406300	105753100	63436500	28738700
1/14/95	146766600	167130200	77389600	107460800	108191700	256701300	170895100	118804800	129517700	160382600	109753300	96323800	20489300	105890100	63511200	28894600
1/15/95	147091000	167311700	77693200	107756600	108460600	257096900	171297400	118992400	129724700	160742600	109905700	96604000	20561500	106024900	63582900	29046900
1/16/95	147398700	167487400	77983500	108038500	108708300	257471700	171689300	119171300	129923400	161088300	110050200	96869300	20627900	106149000	63649500	29188100
1/17/95	147741200	167678500	78283900	108339900	108966600	257867800	172094200	119358800	130131000	161451100	110207000	97130200	20696000	106285400	63725000	29370900
1/18/95	147962900	167812400	78480700	108547900	109148300	258138000	172378600	119485800	130271300	161698000	110311900	97288300	20750800	106375700	63775200	29445000
1/19/95	148361700	168040500	78841400	108911200	109470700	258614000	172867200	119712900	130521800	162134100	110502400	97620200	20849600	106542800	63864500	29633200
1/20/95	148636000	168213100	79092400	109159900	109690300	258942500	173204500	119869700	130694300	162434300	110637500	97859100	20921700	106662600	63926400	29765800
1/21/95	148962700	168385700	79391500	109457800	109953800	259337600	173610800	120058100	130901500	162794500	110793800	98154200	21008000	106803500	64000600	29922400
1/22/95	149389700	168630100	79787700	109846900	110294200	259851900	174129600	120303900	131171900	163266900	110997900	98547600	21118400	106987700	64097500	30127400
1/23/95	149637600	168771700	80019300	110073800	110506800	260151700	174448400	120447200	131329600	163543000	111114800	98779200	21180700	107094400	64153400	30245300
1/24/95	150013400	168985200	80375700	110416800	110823900	260603100	174915200	120663900	131567900	163955600	111294400	99131600	21273500	107255700	64238100	30424300
1/25/95	150284400	169139000	80637100	110665000	111051100	260931500	175255200	120821200	131741000	164257500	111422200	99389200	21341000	107372300	64293400	30554000
1/26/95	150614300	169326000	80960000	110965700	111315000	261320700	175665100	121011500	131950100	164620100	111581000	99700300	21424500	107514300	64362400	30712000
1/27/95	150929300	169503300	81279700	111255300	111585800	261701900	176059400	121194800	132151800	164971400	111734900	99999500	21503000	107650800	64428200	30863400
1/28/95	151301400	169678200	81654100	111594900	111894700	262155700	176522100	121410000	132388900	165382700	111917100	100345100	21592600	107810800	64504800	31040700
1/29/95	151631100	169917300	81985400	111899500	112167600	262561000	176937400	121602600	132601100	165753000	112080900	100636300	21670500	107954700	64577100	31198900
1/30/95	151963000	170159600	82311500	112201500	112433100	262965400	177293600	121793200	132810900	166072900	112241700	100888500	21746000	108097500	64645300	31355300
1/31/95	152343800	170302900	82668400	112538600	112735400	263405700	177688000	122003500	133043800	166419200	112417500	101170000	21832200	108254400	64734000	31527400

ALLIANT TECHSYSTEMS TGRS TREATMENT CENTER WATER METER READING LOG
FEBRUARY, 1995

METER READINGS (GALLONS)

DATE	METER #1	METER #2	METER #3	METER #4	METER #5	METER #6
1/31/95	332041000	2724899000	2431969000	2981161000	2443440000	2000992000
2/1/95	334063000	2726971000	2433310000	2983425000	2445664000	2000992000
2/2/95	335825000	2728776000	2434458000	2985411000	2447598000	2000992000
2/3/95	337966000	2730961000	2435854000	2987820000	2449951000	2000992000
2/4/95	339937000	2732980000	2437154000	2990027000	2452119000	2000992000
2/5/95	342231000	2735329000	2438673000	2992594000	2454643000	2000992000
2/6/95	344207000	2737351000	2439971000	2994803000	2456816000	2000992000
2/7/95	346221000	2739394000	2441273000	2997076000	2459019000	2000992000
2/8/95	348184000	2741376000	2442513000	2999305000	2461163000	2000993000
2/9/95	350324000	2743563000	2443910000	3001712000	2463517000	2000993000
2/10/95	352458000	2745242000	2444724000	3004273000	2465591000	2000993000
2/11/95	355051000	2747676000	2446198000	3007226000	2468335000	2000993000
2/12/95	356926000	2749450000	2447517000	3009121000	2470319000	2000993000
2/13/95	359012000	2751199000	2448898000	3011126000	2472413000	2000993000
2/14/95	361123000	2753324000	2450435000	3013317000	2474731000	2000993000
2/15/95	363246000	2755460000	2451899000	3015627000	2477069000	2000993000
2/16/95	365161000	2757296000	2452861000	3017999000	2479125000	2000993000
2/17/95	367319000	2758854000	2453905000	3020265000	2481172000	2000993000
2/18/95	369312000	2760832000	2455355000	3022325000	2483356000	2000993000
2/19/95	371593000	2763117000	2457039000	3024695000	2485871000	2000993000
2/20/95	373493000	2765019000	2458436000	3026669000	2487963000	2000993000
2/21/95	375921000	2767447000	2460218000	3029192000	2490639000	2000993000
2/22/95	377638000	2769165000	2461482000	3030978000	2492529000	2000993000
2/23/95	379854000	2771381000	2463105000	3033283000	2494968000	2000993000
2/24/95	382384000	2773911000	2464969000	3035908000	2497753000	2000993000
2/25/95	384093000	2775619000	2466224000	3037679000	2499634000	2000993000
2/26/95	386497000	2778022000	2467996000	3040175000	2502282000	2000993000
2/27/95	388366000	2779889000	2469370000	3042110000	2504340000	2000993000
2/28/95	390518000	2782040000	2470950000	3044341000	2506710000	2000993000
TOTAL	26971000	26300000	16929000	29965000	28973000	1000

VOLUME OF TREATED WATER (GALLONS) AND FLOW RATE (GALLONS PER MINUTE, GPM)

METER #1	METER #2	TOTAL	GPM	METER #3	METER #4	TOTAL	GPM	METER #5	METER #6	TOTAL	GPM
-	-	-	-	-	-	-	-	-	-	-	-
2022000	2072000	4094000	2967	1341000	2264000	3605000	2612	2224000	0	2224000	1612
1762000	1805000	3567000	2973	1148000	1986000	3134000	2612	1934000	0	1934000	1612
2141000	2185000	4326000	2943	1396000	2409000	3805000	2588	2353000	0	2353000	1601
1971000	2019000	3990000	2956	1300000	2207000	3507000	2598	2168000	0	2168000	1606
2294000	2349000	4643000	2976	1519000	2567000	4086000	2619	2524000	0	2524000	1618
1976000	2022000	3998000	2961	1298000	2209000	3507000	2598	2173000	0	2173000	1610
2014000	2043000	4057000	2940	1302000	2273000	3575000	2591	2203000	0	2203000	1596
1963000	1982000	3945000	2922	1240000	2229000	3469000	2570	2144000	1000	2145000	1589
2140000	2187000	4327000	2944	1397000	2407000	3804000	2588	2354000	0	2354000	1601
2134000	1679000	3813000	2594	814000	2561000	3375000	2296	2074000	0	2074000	1411
2593000	2434000	5027000	2840	1474000	2953000	4427000	2501	2744000	0	2744000	1550
1875000	1774000	3649000	2829	1319000	1895000	3214000	2491	1984000	0	1984000	1538
2086000	1749000	3835000	2720	1381000	2005000	3386000	2401	2094000	0	2094000	1485
2111000	2125000	4236000	2942	1537000	2191000	3728000	2589	2318000	0	2318000	1610
2123000	2136000	4259000	2958	1464000	2310000	3774000	2621	2338000	0	2338000	1624
1915000	1836000	3751000	2605	962000	2372000	3334000	2315	2056000	0	2056000	1428
2158000	1558000	3716000	2528	1044000	2266000	3310000	2252	2047000	0	2047000	1393
1993000	1978000	3971000	2941	1450000	2060000	3510000	2600	2184000	0	2184000	1618
2281000	2285000	4566000	2927	1684000	2370000	4054000	2599	2515000	0	2515000	1612
1900000	1902000	3802000	2947	1397000	1974000	3371000	2613	2092000	0	2092000	1622
2428000	2428000	4856000	2943	1782000	2523000	4305000	2609	2676000	0	2676000	1622
1717000	1718000	3435000	2936	1264000	1786000	3050000	2607	1890000	0	1890000	1615
2216000	2216000	4432000	2955	1623000	2305000	3928000	2619	2439000	0	2439000	1626
2530000	2530000	5060000	2959	1864000	2625000	4489000	2625	2785000	0	2785000	1629
1709000	1708000	3417000	2921	1255000	1771000	3026000	2586	1881000	0	1881000	1608
2404000	2403000	4807000	2913	1772000	2496000	4268000	2587	2648000	0	2648000	1605
1869000	1867000	3736000	2965	1374000	1935000	3309000	2626	2058000	0	2058000	1633
2152000	2151000	4303000	2927	1580000	2231000	3811000	2593	2370000	0	2370000	1612
58477000	57141000	115618000	2944	38981000	63180000	102161000	2601	63270000	1000	63271000	1611

Note: Use Meter 1 and 2 for tracking total system flow volume. Meters 3, 4, 5 and 6 are for process control.

ALLIANT TECHSYSTEMS TGRS EXTRACTION WELL WATER PUMPED
FEBRUARY, 1995

VOLUME OF WATER PUMPED (GALLONS)

DATE	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5	TOTAL
2/1/95	319500	164200	319700	292600	271600	387900	395500	184700	202500	351500	152000	291100	77500	134800	61900	149300	3756300
2/2/95	277900	148800	282000	256500	236800	334200	348600	161800	178200	310500	131900	241800	76300	117900	64300	131500	3299000
2/3/95	335100	220200	330300	308000	282900	402000	418400	194200	213800	368000	157600	291600	88700	142600	76400	159100	3988900
2/4/95	308200	203400	311400	284800	260500	375100	387400	179500	197600	342100	141100	270600	75800	130400	70600	146200	3684700
2/5/95	356600	235500	361600	329800	291300	433400	447200	207900	228300	394400	174900	312900	83600	151300	82300	169500	4260500
2/6/95	308200	203500	313400	285800	267800	375800	388100	180100	198000	343100	145500	273100	69000	130500	70600	146000	3698500
2/7/95	316200	207300	320300	290800	260200	383200	395100	183500	201300	336800	145900	280000	200	133200	71600	150500	3676100
2/8/95	309200	202600	313800	284400	252200	374900	386900	179400	196800	329600	140400	274500	0	129300	69400	146200	3589600
2/9/95	335300	219000	340200	309500	270900	407300	420500	195100	214400	357700	156200	300700	88000	141000	77000	158800	3991600
2/10/95	370300	183900	73100	66400	277900	411600	444500	198000	216200	367500	158500	318600	91500	142600	77300	161600	3559500
2/11/95	404500	260600	284000	255900	319100	461800	474600	223300	245400	433300	178600	346100	98000	167700	89000	188100	4430000
2/12/95	299100	201900	295800	269100	192300	282700	367500	169700	187400	334100	138400	249300	72100	124200	67200	139800	3390600
2/13/95	196800	131900	345500	315900	202300	309200	452100	199000	223100	397700	159400	322100	81500	139800	74700	159200	3710200
2/14/95	308700	220900	331200	302400	273000	405200	409900	191000	211300	375500	158000	288700	77300	138000	73000	155400	3919500
2/15/95	339500	228700	331900	303700	259800	407800	413100	192000	212000	379100	155300	293900	78900	138700	75600	156700	3966700
2/16/95	346900	225300	325400	302700	189700	399900	353300	177400	140000	251000	132100	187400	78000	125900	72400	153000	3460400
2/17/95	362600	231600	338100	313800	178500	413400	273200	196100	142000	252500	147800	193800	86200	146000	78800	163400	3517800
2/18/95	316700	211800	315300	287700	262600	378900	383300	181300	199500	329900	146500	268800	78700	138700	74200	154200	3728100
2/19/95	345600	234400	353700	326100	285600	442400	452600	206900	230400	415400	165900	328400	82200	147600	77300	164100	4258600
2/20/95	292800	198300	296300	271400	234900	363200	367900	171300	189300	339400	135500	271100	68800	126700	66300	140900	3534100
2/21/95	371500	251100	375800	344500	296800	459700	464900	217000	238600	428300	173300	345600	84900	160300	86700	179300	4478300
2/22/95	263300	180000	269500	247000	227300	325400	335200	156100	172200	312200	122100	241300	59700	114700	61600	127300	3214900
2/23/95	342000	228600	343800	315700	287900	410800	426800	199100	218700	396300	156500	317700	73100	146600	77300	162900	4103800
2/24/95	390400	263300	395900	363900	322200	474500	493300	229800	252700	458500	191000	366700	83100	168100	89400	186500	4729300
2/25/95	262800	175300	265400	244000	210100	315800	327500	153500	168700	302000	116000	249900	54700	113200	59500	126300	3144700
2/26/95	371700	247500	374700	345600	314900	452200	467700	218100	240100	433600	167100	353500	75900	159500	84200	177000	4483300
2/27/95	286700	190100	289800	266900	235700	344900	359800	168200	185000	332600	139100	275800	57900	123900	64100	137100	3457600
2/28/95	330000	218400	335300	308600	270100	396200	416600	194500	213900	384200	164500	320400	65300	142700	74400	158000	3993100
TOTAL	9068100	5888100	8833200	8093500	7234900	10929400	11271500	5308500	5717400	10056800	4251100	8075400	2006900	3875900	2067100	4347900	107025700

ALLIANT TECHSYSTEMS TGRS EXTRACTION WELL WATER PUMPED
FEBRUARY, 1995

METER READINGS (GALLONS)

DATE	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5
1/31/95	152343800	170302900	82668400	112538600	112735400	263405700	177688000	122003500	133043800	166419200	112417500	101170000	21832200	108254400	64734000	31527400
2/1/95	152663300	170467100	82988100	112831200	113007000	263793600	178083500	122188200	133246300	166770700	112569500	101461100	21909700	108389200	64795900	31676700
2/2/95	152941200	170615900	83270100	113087700	113243800	264127800	178432100	122350000	133424500	167081200	112701400	101702900	21986000	108507100	64860200	31808200
2/3/95	153276300	170836100	83600400	113395700	113526700	264529800	178850500	122544200	133638300	167449200	112859000	101994500	22074700	108649700	64936600	31967300
2/4/95	153584500	171039500	83911800	113680500	113787200	264904900	179237900	122723700	133835900	167791300	113000100	102265100	22150500	108780100	65007200	32113500
2/5/95	153941100	171275000	84273400	114010300	114078500	265338300	179685100	122931600	134064200	168185700	113175000	102578000	22234100	108931400	65089500	32283000
2/6/95	154249300	171478500	84586800	114296100	114346300	265714100	180073200	123111700	134262200	168528800	113320500	102851100	22303100	109061900	65160100	32429000
2/7/95	154565500	171685800	84907100	114586900	114606500	266097300	180468300	123295200	134463500	168865600	113466400	103131100	22303300	109195100	65231700	32579500
2/8/95	154874700	171888400	85220900	114871300	114858700	266472200	180855200	123474600	134660300	169195200	113606800	103405600	22303300	109324400	65301100	32725700
2/9/95	155210000	172107400	85561100	115180800	115129600	266879500	181275700	123669700	134874700	169552900	113763000	103706300	22391300	109465400	65378100	32884500
2/10/95	155580300	172291300	85634200	115247200	115407500	267291100	181720200	123867700	135090900	169920400	113921500	104024900	22482800	109608000	65455400	33046100
2/11/95	155984800	172551900	85918200	115503100	115726600	267752900	182194800	124091000	135336300	170353700	114100100	104371000	22580800	109775700	65544400	33234200
2/12/95	156283900	172753800	86214000	115772200	115918900	268035600	182562300	124260700	135523700	170687800	114238500	104620300	22652900	109899900	65611600	33374000
2/13/95	156480700	172885700	86559500	116088100	116121200	268344800	183014400	124459700	135746800	171085500	114397900	104942400	22734400	110039700	65686300	33533200
2/14/95	156789400	173106600	86890700	116390500	116394200	268750000	183424300	124650700	135958100	171461000	114555900	105231100	22811700	110177700	65759300	33688600
2/15/95	157128900	173335300	87222600	116694200	116654000	269157800	183837400	124842700	136170100	171840100	114711200	105525000	22890600	110316400	65834900	33845300
2/16/95	157475800	173560600	87548000	116996900	116843700	269557700	184190700	125020100	136310100	172091100	114843300	105712400	22968600	110442300	65907300	33998300
2/17/95	157838400	173792200	87886100	117310700	117022200	269971100	184463900	125216200	136452100	172343600	114991100	105906200	23054800	110588300	65986100	34161700
2/18/95	158155100	174004000	88201400	117598400	117284800	270350000	184847200	125397500	136651600	172673500	115137600	106175000	23133500	110727000	66060300	34315900
2/19/95	158500700	174238400	88555100	117924500	117570400	270792400	185299800	125604400	136882000	173088900	115303500	106503400	23215700	110874600	66137600	34480000
2/20/95	158793500	174436700	88851400	118195900	117805300	271155600	185667700	125775700	137071300	173428300	115439000	106774500	23284500	111001300	66203900	34620900
2/21/95	159165000	174687800	89227200	118540400	118102100	271615300	186132600	125992700	137309900	173856600	115612300	107120100	23369400	111161600	66290600	34800200
2/22/95	159428300	174867800	89496700	118787400	118329400	271940700	186467800	126148800	137482100	174168800	115734400	107361400	23429100	111276300	66352200	34927500
2/23/95	159770300	175096400	89840500	119103100	118617300	272351500	186894600	126347900	137700800	174565100	115890900	107679100	23502200	111422900	66429500	35090400
2/24/95	160160700	175359700	90236400	119467000	118939500	272826000	187387900	126577700	137953500	175023600	116081900	108045800	23585300	111591000	66518900	35276900
2/25/95	160423500	175535000	90501800	119711000	119149600	273141800	187715400	126731200	138122200	175325600	116197900	108295700	23640000	111704200	66578400	35403200
2/26/95	160795200	175782500	90876500	120056600	119464500	273594000	188183100	126949300	138362300	175759200	116365000	108649200	23715900	111863700	66662600	35580200
2/27/95	161081900	175972600	91166300	120323500	119700200	273938900	188542900	127117500	138547300	176091800	116504100	108925000	23773800	111987600	66726700	35717300
2/28/95	161411900	176191000	91501600	120632100	119970300	274335100	188959500	127312000	138761200	176476000	116668600	109245400	23839100	112130300	66801100	35875300

ALLIANT TECHSYSTEMS TGRS TREATMENT CENTER WATER METER READING LOG
MARCH, 1995

METER READINGS (GALLONS)

DATE	METER #1	METER #2	METER #3	METER #4	METER #5	METER #6
2/28/95	390518000	2782040000	2470950000	3044341000	2506710000	2000993000
3/1/95	393118000	2784638000	2472864000	3047039000	2509575000	2000993000
3/2/95	395154000	2786672000	2474364000	3049152000	2511816000	2000993000
3/3/95	396882000	2788398000	2475619000	3050960000	2513719000	2000993000
3/4/95	399227000	2790737000	2477336000	3053390000	2516300000	2000993000
3/5/95	401450000	2792956000	2478963000	3055702000	2518748000	2000993000
3/6/95	403409000	2794913000	2480399000	3057745000	2520901000	2000993000
3/7/95	405185000	2796684000	2481684000	3059600000	2522858000	2000993000
3/8/95	407423000	2798918000	2483334000	3061919000	2525321000	2000993000
3/9/95	409456000	2800948000	2484821000	3064032000	2527558000	2000993000
3/10/95	411732000	2803218000	2486485000	3066403000	2530064000	2000993000
3/11/95	413722000	2805204000	2487938000	3068470000	2532253000	2000993000
3/12/95	416100000	2807575000	2489666000	3070963000	2534868000	2000993000
3/13/95	417811000	2809281000	2490916000	3073740000	2536749000	2000993000
3/14/95	420372000	2811834000	2492806000	3075384000	2539564000	2000993000
3/15/95	422264000	2813719000	2494187000	3077353000	2541642000	2000993000
3/16/95	424710000	2816154000	2495971000	3079897000	2544329000	2000993000
3/17/95	426453000	2817891000	2497238000	3081718000	2546247000	2000993000
3/18/95	428564000	2819992000	2498779000	3083901000	2548566000	2000993000
3/19/95	430806000	2822224000	2500419000	3086234000	2551032000	2000993000
3/20/95	432822000	2824230000	2501886000	3088328000	2553246000	2000993000
3/21/95	434839000	2826236000	2503362000	3090423000	2555462000	2000993000
3/22/95	436944000	2828329000	2504902000	3092609000	2557773000	2000993000
3/23/95	439546000	2830920000	2506803000	3095312000	2560631000	2000993000
3/24/95	441084000	2832451000	2507925000	3096912000	2562319000	2000993000
3/25/95	443236000	2834594000	2509491000	3099154000	2564683000	2000993000
3/26/95	446043000	2837387000	2511525000	3102091000	2567768000	2000993000
3/27/95	447587000	2838923000	2512640000	3103708000	2569462000	2000993000
3/28/95	449520000	2840846000	2514037000	3105729000	2571583000	2000993000
3/29/95	451713000	2843009000	2515611000	3108016000	2573979000	2000993000
3/30/95	453945000	2845197000	2517215000	3110335000	2576413000	2000993000
3/31/95	455826000	2847029000	2518590000	3112257000	2578455000	2000993000
TOTAL	65308000	64989000	47640000	67916000	71745000	0

VOLUME OF TREATED WATER (GALLONS) AND FLOW RATE (GALLONS PER MINUTE, GPM)

METER #1	METER #2	TOTAL	GPM	METER #3	METER #4	TOTAL	GPM	METER #5	METER #6	TOTAL	GPM
-	-	-	-	-	-	-	-	-	-	-	-
2600000	2598000	5198000	2937	1914000	2698000	4612000	2606	2865000	0	2865000	1619
2036000	2034000	4070000	2949	1500000	2113000	3613000	2618	2241000	0	2241000	1624
1728000	1726000	3454000	2952	1255000	1808000	3063000	2618	1903000	0	1903000	1626
2345000	2339000	4684000	2946	1717000	2430000	4147000	2608	2581000	0	2581000	1623
2223000	2219000	4442000	3085	1627000	2312000	3939000	2735	2448000	0	2448000	1700
1959000	1957000	3916000	2777	1436000	2043000	3479000	2467	2153000	0	2153000	1527
1776000	1771000	3547000	2956	1285000	1855000	3140000	2617	1957000	0	1957000	1631
2238000	2234000	4472000	2923	1650000	2319000	3969000	2594	2463000	0	2463000	1610
2033000	2030000	4063000	2944	1487000	2113000	3600000	2609	2237000	0	2237000	1621
2276000	2270000	4546000	2914	1664000	2371000	4035000	2587	2506000	0	2506000	1606
1990000	1986000	3976000	2945	1453000	2067000	3520000	2607	2189000	0	2189000	1621
2378000	2371000	4749000	2931	1728000	2493000	4221000	2606	2615000	0	2615000	1614
1711000	1706000	3417000	2921	1250000	2777000	4027000	3442	1881000	0	1881000	1608
2561000	2553000	5114000	2939	1890000	1644000	3534000	2031	2815000	0	2815000	1618
1892000	1885000	3777000	2928	1381000	1969000	3350000	2597	2078000	0	2078000	1611
2446000	2435000	4881000	2905	1784000	2544000	4328000	2576	2687000	0	2687000	1599
1743000	1737000	3480000	2974	1267000	1821000	3088000	2639	1918000	0	1918000	1639
2111000	2101000	4212000	2987	1541000	2183000	3724000	2641	2319000	0	2319000	1645
2242000	2232000	4474000	2868	1640000	2333000	3973000	2547	2466000	0	2466000	1581
2016000	2006000	4022000	2914	1467000	2094000	3561000	2580	2214000	0	2214000	1604
2017000	2006000	4023000	2915	1476000	2095000	3571000	2588	2216000	0	2216000	1606
2105000	2093000	4198000	2915	1540000	2186000	3726000	2588	2311000	0	2311000	1605
2602000	2591000	5193000	2885	1901000	2703000	4604000	2558	2858000	0	2858000	1588
1538000	1531000	3069000	2923	1122000	1600000	2722000	2592	1688000	0	1688000	1608
2152000	2143000	4295000	2922	1566000	2242000	3808000	2590	2364000	0	2364000	1608
2807000	2793000	5600000	2917	2034000	2937000	4971000	2589	3085000	0	3085000	1607
1544000	1536000	3080000	2933	1115000	1617000	2732000	2602	1694000	0	1694000	1613
1933000	1923000	3856000	2921	1397000	2021000	3418000	2589	2121000	0	2121000	1607
2193000	2163000	4356000	2904	1574000	2287000	3861000	2574	2396000	0	2396000	1597
2232000	2188000	4420000	2889	1604000	2319000	3923000	2564	2434000	0	2434000	1591
1881000	1832000	3713000	2750	1375000	1922000	3297000	2442	2042000	0	2042000	1513
65308000	64989000	130297000	2924	47640000	67916000	115556000	2594	71745000	0	71745000	1610

Note: Use Meter 1 and 2 for tracking total system flow volume. Meters 3, 4, 5 and 6 are for process control.

ALLIANT TECHSYSTEMS TGRS EXTRACTION WELL WATER PUMPED
MARCH, 1995

VOLUME OF WATER PUMPED (GALLONS)

DATE	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5	TOTAL
3/1/95	397900	264100	404100	372300	325400	493000	503000	234700	258200	464200	195700	387400	77500	172000	90400	191500	4831400
3/2/95	313100	207300	318100	293200	258900	385300	396700	184800	203600	368000	154300	304600	60200	135400	69600	150300	3803400
3/3/95	263500	173400	266300	245600	217200	321400	329600	154500	170600	307200	129600	253900	50100	114100	59000	126700	3182700
3/4/95	364200	239100	366400	337600	296000	434800	445700	211900	232100	414600	178300	341900	71000	159700	82200	175900	4351400
3/5/95	327700	214800	331600	305900	282200	400400	412400	192400	212600	383400	151900	319500	62700	141900	73500	156500	3969400
3/6/95	310400	203900	317600	293700	263400	386700	402300	185400	205400	371200	143000	313000	57500	132300	65600	145900	3797300
3/7/95	272100	179300	276100	254800	232300	332200	343500	160500	177400	318900	134100	267800	50500	117800	59800	129700	3306800
3/8/95	342500	225100	347400	320700	291100	417100	430900	198500	222100	399700	163100	333700	61200	147900	75400	163000	4139400
3/9/95	313400	206400	317600	293200	265800	380600	393200	186400	202900	363200	140600	306900	53800	135100	69800	149100	3778000
3/10/95	351300	230300	356300	329100	298500	427700	442100	206600	228100	407400	167700	345800	60200	150600	76300	166600	4244600
3/11/95	303000	196700	307200	284000	259100	368700	379900	178100	196800	351900	145700	297600	51200	131800	67600	145300	3664600
3/12/95	365300	236000	370200	342400	312600	444400	458600	214800	237200	426400	171600	360000	59700	157300	80300	173700	4410500
3/13/95	263700	169800	267900	248100	226900	322900	333700	155800	172100	309300	126300	261900	43900	113600	57900	125200	3199000
3/14/95	393100	253200	398000	368500	336500	478100	493500	230900	254500	454500	190800	387400	63200	169700	84200	187300	4743400
3/15/95	290600	186400	294900	273000	249300	354500	366000	171000	188600	336200	138800	287500	45500	125300	62600	138300	3508500
3/16/95	377900	246100	383300	354400	320400	452100	473000	221300	244600	434800	173700	372000	60700	162300	79100	180200	4535900
3/17/95	267700	176000	271900	251700	226500	319900	335900	157000	173700	308600	130000	264300	44600	115200	57000	127900	3227900
3/18/95	327000	211400	328900	303500	272300	376200	392900	188500	204900	361900	150100	308700	54500	142200	70100	157900	3851000
3/19/95	348300	224500	353400	327400	295800	419800	441300	204300	228600	409800	170700	347400	56900	149600	74200	166100	4218100
3/20/95	310500	199300	318500	295800	269500	381800	404500	185200	206800	371300	144200	319500	48500	130800	63000	144000	3793200
3/21/95	308100	195400	312000	288400	260600	366000	384500	180000	199000	355700	144500	302900	49500	131900	66200	148000	3692700
3/22/95	322500	204500	326900	302400	275000	381600	406100	190000	208800	367200	158400	316800	51800	136800	67600	152600	3869000
3/23/95	401900	253300	408000	377700	338500	484500	504500	233900	260500	471500	191600	401100	69000	174400	80400	193400	4844200
3/24/95	237100	149100	240600	222800	201000	280100	294500	138800	153700	271500	114200	232400	40100	102100	48800	113200	2840000
3/25/95	331500	209600	336400	311700	281300	395900	416300	194800	215200	385300	164400	328700	56100	141100	71100	158000	3997400
3/26/95	431900	273800	438100	405100	363900	524300	542200	254300	280400	501500	215700	428200	74500	184500	92400	205900	5216700
3/27/95	237800	148400	240600	222600	204600	294700	297400	139000	153800	274900	107000	234900	42100	101100	52500	113000	2864400
3/28/95	297800	184300	302100	279500	261600	359300	373500	175000	193300	346600	139700	295200	53400	126800	65100	141800	3595000
3/29/95	339100	208300	343200	316500	297500	405800	423500	198400	218800	391500	157300	335600	56900	132800	67200	148500	4040900
3/30/95	346100	215400	350700	322100	303300	412500	437000	202400	223200	399500	158700	346300	62900	128300	63600	146400	4118400
3/31/95	273400	168400	275800	253800	236500	322500	380400	159000	174900	356000	125400	299400	67600	128000	66700	147000	3434800
TOTAL	10030400	6453600	10170100	9397500	8523500	12124800	12638600	5888200	6502400	11683700	4777100	9902300	1757300	4292400	2159200	4768900	121070000

ALLIANT TECHSYSTEMS TGRS EXTRACTION WELL WATER PUMPED
MARCH, 1995

METER READINGS (GALLONS)

DATE	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5
2/28/95	161411900	176191000	91501600	120632100	119970300	274335100	188959500	127312000	138761200	176476000	116668600	109245400	23839100	112130300	66801100	35875300
3/1/95	161809800	176455100	91905700	121004400	120295700	274828100	189462500	127546700	139019400	176940200	116864300	109632800	23916600	112302300	66891500	36066800
3/2/95	162122900	176662400	92223800	121297600	120554600	275213400	189859200	127731500	139223000	177308200	117018600	109937400	23976800	112437700	66961100	36217100
3/3/95	162386400	176835800	92490100	121543200	120771800	275534800	190188800	127886000	139393600	177615400	117148200	110191300	24026900	112551800	67020100	36343800
3/4/95	162750600	177074900	92856500	121880800	121067800	275969600	190634500	128097900	139625700	178030000	117326500	110533200	24097900	112711500	67102300	36519700
3/5/95	163078300	177289700	93188100	122186700	121350000	276370000	191046900	128290300	139838300	178413400	117478400	110852700	24160600	112853400	67175800	36676200
3/6/95	163388700	177493600	93505700	122480400	121613400	276756700	191449200	128475700	140043700	178784600	117621400	111165700	24218100	112985700	67241400	36822100
3/7/95	163660800	177672900	93781800	122735200	121845700	277088900	191792700	128636200	140221100	179103500	117755500	111433500	24268600	113103500	67301200	36951800
3/8/95	164003300	177898000	94129200	123055900	122136800	277506000	192223600	128834700	140443200	179503200	117918600	111767200	24329800	113251400	67376600	37114800
3/9/95	164316700	178104400	94446800	123349100	122402600	277886600	192616800	129021100	140646100	179866400	118059200	112074100	24383600	113386500	67446400	37263900
3/10/95	164668000	178334700	94803100	123678200	122701100	278314300	193058900	129227700	140874200	180273800	118226900	112419900	24443800	113537100	67522700	37430500
3/11/95	164971000	178531400	95110300	123962200	122960200	278683000	193438800	129405800	141071000	180625700	118372600	112717500	24495000	113668900	67590300	37575800
3/12/95	165336300	178767400	95480500	124304600	123272800	279127400	193897400	129620600	141308200	181052100	118544200	113077500	24554700	113826200	67670600	37749500
3/13/95	165600000	178937200	95748400	124552700	123499700	279450300	194231100	129776400	141480300	181361400	118670500	113339400	24598600	113939800	67728500	37874700
3/14/95	165993100	179190400	96146400	124921200	123836200	279928400	194724600	130007300	141734800	181815900	118861300	113726800	24661800	114109500	67812700	38062000
3/15/95	166283700	179376800	96441300	125194200	124085500	280282900	195090600	130178300	141923400	182152100	119000100	114014300	24707300	114234800	67875300	38200300
3/16/95	166661600	179622900	96824600	125548600	124405900	280735000	195563600	130399600	142168000	182586900	119173800	114386300	24768000	114397100	67954400	38380500
3/17/95	166929300	179798900	97096500	125800300	124632400	281054900	195899500	130556600	142341700	182895500	119303800	114650600	24812600	114512300	68011400	38508400
3/18/95	167256300	180010300	97425400	126103800	124904700	281431100	196292400	130745100	142546600	183257400	119453900	114959300	24867100	114654500	68081500	38666300
3/19/95	167604600	180234800	97778800	126431200	125200500	281850900	196733700	130949400	142775200	183667200	119624600	115306700	24924000	114804100	68155700	38832400
3/20/95	167915100	180434100	98097300	126727000	125470000	282232700	197138200	131134600	142982000	184038500	119768800	115626200	24972500	114934900	68218700	38976400
3/21/95	168223200	180629500	98409300	127015400	125730600	282598700	197522700	131314600	143181000	184394200	119913300	115929100	25022000	115066800	68284900	39124400
3/22/95	168545700	180834000	98736200	127317800	126005600	282980300	197928800	131504600	143389800	184761400	120071700	116245900	25073800	115203600	68352500	39277000
3/23/95	168947600	181087300	99144200	127695500	126344100	283464800	198433300	131738500	143650300	185232900	120263300	116647000	25142800	115378000	68432900	39470400
3/24/95	169184700	181236400	99384800	127918300	126545100	283744900	198727800	131877300	143804000	185504400	120377500	116879400	25182900	115480100	68481700	39583600
3/25/95	169516200	181446000	99721200	128230000	126826400	284140800	199144100	132072100	144019200	185889700	120541900	117208100	25239000	115621200	68552800	39741600
3/26/95	169948100	181719800	100159300	128635100	127190300	284665100	199686300	132326400	144299600	186391200	120757600	117636300	25313500	115805700	68645200	39947500
3/27/95	170185900	181868200	100399900	128857700	127394900	284959800	199983700	132465400	144453400	186666100	120864600	117871200	25355600	115906800	68697700	40060500
3/28/95	170483700	182052500	100702000	129137200	127656500	285319100	200357200	132640400	144646700	187012700	121004300	118166400	25409000	116033600	68762800	40202300
3/29/95	170822800	182260800	101045200	129453700	127954000	285724900	200780700	132838800	144865500	187404200	121161600	118502000	25465900	116166400	68830000	40350800
3/30/95	171168900	182476200	101395900	129775800	128257300	286137400	201217700	133041200	145088700	187803700	121320300	118848300	25528800	116294700	68893600	40497200
3/31/95	171442300	182644600	101671700	130029600	128493800	286459900	201598100	133200200	145263600	188159700	121445700	119147700	25596400	116422700	68960300	40644200

ALLIANT TECHSYSTEMS TGRS TREATMENT CENTER WATER METER READING LOG
APRIL, 1995

METER READINGS (GALLONS)

DATE	METER #1	METER #2	METER #3	METER #4	METER #5	METER #6
3/31/95	455826000	2847029000	2518590000	3112257000	2578455000	2000993000
4/1/95	457458000	2849128000	2520185000	3113957000	2580510000	2000993000
4/2/95	459483000	2851144000	2521652000	3116074000	2582739000	2000993000
4/3/95	461495000	2853135000	2523102000	3118176000	2584938000	2000993000
4/4/95	463486000	2854927000	2524467000	3120171000	2587027000	2000993000
4/5/95	465089000	2856221000	2525516000	3121691000	2588616000	2000993000
4/6/95	466898000	2857968000	2526806000	3123560000	2590588000	2000993000
4/7/95	468383000	2859365000	2527853000	3125065000	2591751000	2000993000
4/8/95	470581000	2861319000	2529348000	3127251000	2592944000	2000993000
4/9/95	472785000	2863512000	2530945000	3129556000	2594205000	2000993000
4/10/95	474866000	2865581000	2532462000	3131726000	2595396000	2000993000
4/11/95	477252000	2867953000	2534215000	3134191000	2596762000	2000993000
4/12/95	478864000	2869554000	2535400000	3135864000	2597685000	2000993000
4/13/95	481256000	2871930000	2537151000	3138340000	2599054000	2000993000
4/14/95	483204000	2873865000	2538575000	3140353000	2600169000	2000993000
4/15/95	485630000	2876277000	2540344000	3142878000	2601559000	2000993000
4/16/95	487718000	2878365000	2541784000	3145110000	2602783000	2000993000
4/17/95	489661000	2880283000	2543279000	3147084000	2603866000	2000993000
4/18/95	491680000	2882288000	2544743000	3149190000	2605023000	2000993000
4/19/95	493680000	2883951000	2546037000	3151054000	2606046000	2000993000
4/20/95	495772000	2885777000	2547488000	3153167000	2607199000	2000993000
4/21/95	497848000	2887709000	2548937000	3155283000	2608350000	2000993000
4/22/95	499965000	2889802000	2550463000	3157481000	2609562000	2000993000
4/23/95	502870000	2892673000	2552559000	3160512000	2611223000	2000993000
4/24/95	505028000	2894797000	2554110000	3162763000	2612455000	2000993000
4/25/95	506368000	2896118000	2555072000	3164161000	2613221000	2000993000
4/26/95	508457000	2898176000	2556573000	3166341000	2614413000	2000993000
4/27/95	510587000	2900267000	2558099000	3168563000	2615629000	2000993000
4/28/95	512807000	2902424000	2559679000	3170869000	2616939000	2001022000
4/29/95	514770000	2904328000	2561083000	3172904000	2619958000	2002665000
4/30/95	517308000	2906785000	2562884000	3175536000	2623932000	2004819000
TOTAL	61482000	59756000	44294000	63279000	45477000	3826000

VOLUME OF TREATED WATER (GALLONS) AND FLOW RATE (GALLONS PER MINUTE, GPM)

METER #1	METER #2	TOTAL	GPM	METER #3	METER #4	TOTAL	GPM	METER #5	METER #6	TOTAL	GPM
-	-	-	-	-	-	-	-	-	-	-	-
1632000	2099000	3731000	2487	1595000	1700000	3295000	2197	2055000	0	2055000	1370
2025000	2016000	4041000	2866	1467000	2117000	3584000	2542	2229000	0	2229000	1581
2012000	1991000	4003000	2839	1450000	2102000	3552000	2519	2199000	0	2199000	1560
1991000	1792000	3783000	2573	1365000	1995000	3360000	2286	2089000	0	2089000	1421
1603000	1294000	2897000	1971	1049000	1520000	2569000	1748	1589000	0	1589000	1081
1809000	1747000	3556000	2694	1290000	1869000	3159000	2393	1972000	0	1972000	1494
1485000	1397000	2882000	2001	1047000	1505000	2552000	1772	1163000	0	1163000	808
2198000	1954000	4152000	2768	1495000	2186000	3681000	2454	1193000	0	1193000	795
2204000	2193000	4397000	2931	1597000	2305000	3902000	2601	1261000	0	1261000	841
2081000	2069000	4150000	2943	1517000	2170000	3687000	2615	1191000	0	1191000	845
2386000	2372000	4758000	2937	1753000	2465000	4218000	2604	1366000	0	1366000	843
1612000	1601000	3213000	2975	1185000	1673000	2858000	2646	923000	0	923000	855
2392000	2376000	4768000	2890	1751000	2476000	4227000	2562	1369000	0	1369000	830
1948000	1935000	3883000	2942	1424000	2013000	3437000	2604	1115000	0	1115000	845
2426000	2412000	4838000	3043	1769000	2525000	4294000	2701	1390000	0	1390000	874
2088000	2088000	4176000	2900	1440000	2232000	3672000	2550	1224000	0	1224000	850
1943000	1918000	3861000	2798	1495000	1974000	3469000	2514	1083000	0	1083000	785
2019000	2005000	4024000	2916	1464000	2106000	3570000	2587	1157000	0	1157000	838
2000000	1663000	3663000	2840	1294000	1864000	3158000	2448	1023000	0	1023000	793
2092000	1826000	3918000	2612	1451000	2113000	3564000	2376	1153000	0	1153000	769
2076000	1932000	4008000	2843	1449000	2116000	3565000	2528	1151000	0	1151000	816
2117000	2093000	4210000	2864	1526000	2198000	3724000	2533	1212000	0	1212000	824
2905000	2871000	5776000	2917	2096000	3031000	5127000	2589	1661000	0	1661000	839
2158000	2124000	4282000	2913	1551000	2251000	3802000	2586	1232000	0	1232000	838
1340000	1321000	2661000	2908	962000	1398000	2360000	2579	766000	0	766000	837
2089000	2058000	4147000	2880	1501000	2180000	3681000	2556	1192000	0	1192000	828
2130000	2091000	4221000	2901	1526000	2222000	3748000	2576	1216000	0	1216000	836
2220000	2157000	4377000	2702	1580000	2306000	3886000	2399	1310000	29000	1339000	827
1963000	1904000	3867000	2864	1404000	2035000	3439000	2547	3019000	1643000	4662000	3453
2538000	2457000	4995000	2871	1801000	2632000	4433000	2548	3974000	2154000	6128000	3522
61482000	59756000	121238000	2897	44294000	63279000	107573000	2571	45477000	3826000	49303000	1178

Note: Use Meter 1 and 2 for tracking total system flow volume. Meters 3, 4, 5 and 6 are for process control.

ALLIANT TECHSYSTEMS TGRS EXTRACTION WELL WATER PUMPED
APRIL, 1995

VOLUME OF WATER PUMPED (GALLONS)

DATE	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5	TOTAL
4/1/95	260900	163200	261300	240800	212600	311400	431600	151800	167900	398500	119000	348700	77900	148700	75100	169800	3539200
4/2/95	302100	189000	304900	280500	251300	363900	396100	176900	195400	349200	138200	315400	65900	126200	63100	144000	3662100
4/3/95	318600	198500	323600	298100	276200	391000	386200	188500	209400	374700	146800	342200	62700	121100	58500	138000	3834100
4/4/95	298600	182600	296200	250800	229000	327600	401100	158100	175200	350700	139800	300500	59300	115500	54700	139700	3479400
4/5/95	0	154800	266200	232200	206900	299000	326900	144600	160300	295500	93800	248800	57100	107400	49200	112600	2755300
4/6/95	235500	177400	281100	258300	229800	333700	349100	161100	177900	316800	121500	256200	63100	120300	58700	135700	3276200
4/7/95	232800	147700	237800	219000	192700	287200	266700	137900	152800	247700	112600	198900	55500	100900	47100	111600	2748900
4/8/95	348700	213800	343200	315100	278500	418500	354000	198500	219800	326500	163500	272800	85200	147900	70700	164700	3921400
4/9/95	340100	213700	341000	315000	277900	421600	423800	199300	219900	394500	164200	329400	93200	147800	71000	164100	4116500
4/10/95	320600	200600	321300	296700	261000	396700	398200	187600	206700	370300	153000	309700	88500	139900	66600	154800	3872200
4/11/95	396200	230300	370900	342800	310400	452400	460700	216800	238900	421100	173400	359200	103100	160700	75300	177800	4490000
4/12/95	222000	155000	250000	231100	209200	304000	310300	146000	160900	294600	115800	242000	70500	108600	50000	120200	2990200
4/13/95	370000	229500	371300	343100	310600	451200	458600	216600	238300	425000	179400	357900	105500	160900	72700	178000	4468600
4/14/95	297500	184300	299600	277100	259800	365800	372300	174600	192300	331900	147500	290900	68900	130800	59600	144600	3597500
4/15/95	364900	227400	366000	338000	315200	444200	445000	212600	233300	400900	181500	347300	86600	161800	74600	178200	4377500
4/16/95	322500	201600	324000	295200	270700	391600	401700	188600	207300	367200	154000	309600	72000	141100	63300	154000	3864400
4/17/95	304600	188900	312100	294500	283800	394100	394300	183800	203600	342500	142200	315100	73000	132000	60300	149700	3774500
4/18/95	310600	192500	314300	291200	273200	331700	390500	183300	201700	349000	149200	306500	71300	136200	62600	151400	3715200
4/19/95	312700	182400	33700	277200	273200	360200	373600	173900	191100	328900	139200	299000	67900	129500	58800	146400	3347700
4/20/95	355000	202200	0	318900	319000	426600	432900	199300	220900	379500	138000	326200	15200	147200	66400	166400	3713700
4/21/95	283500	173000	268700	302600	291000	412900	406700	190100	211000	365200	142500	310300	58600	139000	63300	151800	3770200
4/22/95	327700	200800	329200	304100	286500	419000	405400	191200	211700	366900	147300	312100	54200	140800	63100	153300	3913300
4/23/95	451900	274900	454300	419500	394500	576700	557200	263700	291000	504400	194400	430200	71900	193800	87500	211500	5377400
4/24/95	337700	204400	339900	313800	296100	432600	418400	197300	218500	377900	136700	323900	52900	143800	65100	157700	4016700
4/25/95	211700	127800	212700	196900	185900	271400	261900	123700	137100	235300	91600	201100	32500	90400	40800	98100	2518900
4/26/95	324600	196800	326100	301700	283700	412000	397600	189600	209300	363500	141200	289800	48700	148500	61500	151800	3846400
4/27/95	330300	201000	333500	308300	290000	418200	406300	192700	213800	372300	146800	297100	48200	152000	62100	154200	3926800
4/28/95	344400	214000	346800	321400	302400	433300	428800	201500	221600	383500	135600	310500	49300	160300	61800	162800	4078000
4/29/95	305300	183700	307300	283300	267700	373800	378300	178600	197500	340000	138200	276900	44700	131700	58400	148100	3613500
4/30/95	395800	237700	398300	367300	347000	491500	490900	230500	254300	439600	174500	360500	58100	170500	74600	192000	4683100
TOTAL	9226800	5849500	8935300	8834500	8185800	11713800	11925100	5558700	6139400	10813600	4321400	9188700	1961500	4155300	1896500	4583000	113288900

ALLIANT TECHSYSTEMS TGRS EXTRACTION WELL WATER PUMPED
APRIL, 1995

METER READINGS (GALLONS)

DATE	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5
3/31/95	171442300	182644600	101671700	130029600	128493800	286459900	201598100	133200200	145263600	188159700	121445700	19147700	25596400	116422700	68960300	40644200
4/1/95	171703200	182807800	101933000	130270400	128706400	286771300	202029700	133352000	145431500	188558200	121564700	19496400	25674300	116571400	69035400	40814000
4/2/95	172005300	182996800	102237900	130550900	128957700	287135200	202425800	133528900	145626900	188907400	121702900	19811800	25740200	116697600	69098500	40958000
4/3/95	172323900	183195300	102561500	130849000	129233900	287526200	202812000	133717400	145836300	189282100	121849700	20154000	25802900	116818700	69157000	41096000
4/4/95	172622500	183377900	102857700	131099800	129462900	287853800	203213100	133875500	146011500	189632800	121989500	20454500	25862200	116934200	69211700	41235700
4/5/95	172622500	183532700	103123900	131332000	129669800	288152800	203540000	134020100	146171800	189928300	122083300	20703300	25919300	117041600	69260900	41348300
4/6/95	172858000	183710100	103405000	131590300	129899600	288486500	203889100	134181200	146349700	190245100	122204800	20959500	25982400	117161900	69319600	41484000
4/7/95	173090800	183857800	103642800	131809300	130092300	288773700	204155800	134319100	146502500	190492800	122317400	21158400	26037900	117262800	69366700	41595600
4/8/95	173439500	184071600	103986000	132124400	130370800	289192200	204509800	134517600	146722300	190819300	122480900	21431200	26123100	117410700	69437400	41760300
4/9/95	173779600	184285300	104327000	132439400	130648700	289613800	204933600	134716900	146942200	191213800	122645100	21760600	26216300	117558500	69508400	41924400
4/10/95	174100200	184485900	104648300	132736100	130909700	290010500	205331800	134904500	147148900	191584100	122798100	22070300	26304800	117698400	69575000	42079200
4/11/95	174496400	184716200	105019200	133078900	131220100	290462900	205792500	135121300	147387800	192005200	122971500	22429500	26407900	117859100	69650300	42257000
4/12/95	174718400	184871200	105269200	133310000	131429300	290766900	206102800	135267300	147548700	192299800	123087300	22671500	26478400	117967700	69700300	42377200
4/13/95	175088400	185100700	105640500	133653100	131739900	291218100	206561400	135483900	147787000	192724800	123266700	23029400	26583900	118128600	69773000	42555200
4/14/95	175385900	185285000	105940100	133930200	131999700	291583900	206933700	135658500	147979300	193056700	123414200	23320300	26652800	118259400	69832600	42699800
4/15/95	175750800	185512400	106306100	134268200	132314900	292028100	207378700	135871100	148212600	193457600	123595700	23667600	26739400	118421200	69907200	42878000
4/16/95	176073300	185714000	106630100	134563400	132585600	292419700	207780400	136059700	148419900	193824800	123749700	23977200	26811400	118562300	69970500	43032000
4/17/95	176377900	185902900	106942200	134857900	132869400	292813800	208174700	136243500	148623500	194167300	123891900	24292300	26884400	118694300	70030800	43181700
4/18/95	176688500	186095400	107256500	135149100	133142600	293145500	208565200	136426800	148825200	194516300	124041100	24598800	26955700	118830500	70093400	43333100
4/19/95	177001200	186277800	107290200	135426300	133415800	293505700	208938800	136600700	149016300	194845200	124180300	24897800	27023600	118960000	70152200	43479500
4/20/95	177356200	186480000	107290200	135745200	133734800	293932300	209371700	136800000	149237200	195224700	124318300	25224000	27038800	119107200	70218600	43645900
4/21/95	177639700	186653000	107558900	136047800	134025800	294345200	209778400	136990100	149448200	195589900	124460800	25534300	27097400	119246200	70281900	43797700
4/22/95	177967400	186853800	107888100	136351900	134312300	294764200	210183800	137181300	149659900	195956800	124608100	25846400	27151600	119387000	70345000	43951000
4/23/95	178419300	187128700	108342400	136771400	134706800	295340900	210741000	137445000	149950900	196461200	124802500	26276600	27223500	119580800	70432500	44162500
4/24/95	178757000	187333100	108682300	137085200	135002900	295773500	211159400	137642300	150169400	196839100	124939200	26600500	27276400	119724600	70497600	44320200
4/25/95	178968700	187460900	108895000	137282100	135188800	296044900	211421300	137766000	150306500	197074400	125030800	26801600	27308900	119815000	70538400	44418300
4/26/95	179293300	187657700	109221100	137583800	135472500	296456900	211818900	137955600	150515800	197437900	125172000	27091400	27357600	119963500	70599900	44570100
4/27/95	179623600	187858700	109554600	137892100	135762500	296875100	212225200	138148300	150729600	197810200	125318800	27388500	27405800	120115500	70662000	44724300
4/28/95	179968000	188072700	109901400	138213500	136064900	297308400	212654000	138349800	150951200	198193700	125454400	27699000	27455100	120275800	70723800	44887100
4/29/95	180273300	188256400	110208700	138496800	136332600	297682200	213032300	138528400	151148700	198533700	125592600	27975900	27499800	120407500	70782200	45035200
4/30/95	180669100	188494100	110607000	138864100	136679600	298173700	213523200	138758900	151403000	198973300	125767100	28336400	27557900	120578000	70856800	45227200

ALLIANT TECHSYSTEMS TGRS TREATMENT CENTER WATER METER READING LOG
MAY, 1995

METER READINGS (GALLONS)

DATE	METER #1	METER #2	METER #3	METER #4	METER #5	METER #6
4/30/95	4517308000	2906785000	2562884000	3175536000	2623932000	2004819000
5/1/95	4518934000	2908346000	2564021000	3177227000	2626481000	2006199000
5/2/95	4521254000	2910578000	2565645000	3179646000	2630127000	2008169000
5/3/95	4523047000	2912261000	2566853000	3181522000	2632908000	2009674000
5/4/95	4525236000	2914008000	2568008000	3183864000	2635774000	2011384000
5/5/95	4527764000	2916429000	2569672000	3186591000	2635774000	2013541000
5/6/95	4529604000	2918185000	2570879000	3188576000	2635774000	2015111000
5/7/95	4531428000	2919928000	2572091000	3190536000	2635774000	2016667000
5/8/95	4533676000	2922066000	2573560000	3192961000	2635774000	2018584000
5/9/95	4535705000	2923988000	2574894000	3195135000	2635774000	2020311000
5/10/95	4537755000	2925957000	2576272000	3197336000	2635774000	2022069000
5/11/95	4539975000	2927950000	2577575000	3199780000	2635774000	2023916000
5/12/95	4541985000	2929925000	2579002000	3201892000	2635774000	2025658000
5/13/95	4544046000	2931913000	2580427000	3204051000	2635774000	2027430000
5/14/95	4547265000	2935022000	2582627000	3207504000	2635774000	2030219000
5/15/95	4548397000	2936053000	2583367000	3208655000	2635774000	2031149000
5/16/95	4550406000	2937959000	2584713000	3210785000	2635774000	2032865000
5/17/95	4552209000	2939735000	2585944000	3212733000	2635774000	2034418000
5/18/95	4554410000	2941821000	2587441000	3215038000	2635774000	2036281000
5/19/95	4556903000	2944212000	2589157000	3217650000	2635774000	2038408000
5/20/95	4558602000	2945854000	2590369000	3219413000	2635774000	2039852000
5/21/95	4560746000	2947922000	2591889000	3221636000	2635774000	2041676000
5/22/95	4562714000	2949752000	2593224000	3223675000	2635774000	2043322000
5/23/95	4564203000	2951167000	2594230000	3225251000	2635774000	2044571000
5/24/95	2085000	566285000	226836000	596515000	2638038000	2046459000
5/25/95	3895000	568037000	228153000	598454000	2640009000	2048046000
5/26/95	6275000	570342000	229880000	601012000	2642651000	2050133000
5/27/95	7921000	571930000	231067000	602778000	2644542000	2051573000
5/28/95	10052000	573983000	232622000	605047000	2647091000	2053437000
5/29/95	11924500	575789000	233893000	607132500	2649416000	2055074000
5/30/95	13797000	577595000	235164000	609218000	2651741000	2056711000
5/31/95	15814000	579559000	236430000	611578000	2654338000	2058479000
TOTAL	62764000	59738000	42498000	67090000	30406000	53660000

VOLUME OF TREATED WATER (GALLONS) AND FLOW RATE (GALLONS PER MINUTE, GPM)

METER #1	METER #2	TOTAL	GPM	METER #3	METER #4	TOTAL	GPM	METER #5	METER #6	TOTAL	GPM
-	-	-	-	-	-	-	-	-	-	-	-
1626000	1561000	3187000	2871	1137000	1691000	2828000	2548	2549000	1380000	3929000	3540
2320000	2232000	4552000	2863	1624000	2419000	4043000	2543	3646000	1970000	5616000	3532
1793000	1683000	3476000	2826	1208000	1876000	3084000	2507	2781000	1505000	4286000	3485
2189000	1747000	3936000	2624	1155000	2342000	3497000	2331	2866000	1710000	4576000	3051
2528000	2421000	4949000	2844	1664000	2727000	4391000	2524	0	2157000	2157000	1240
1840000	1756000	3596000	2997	1207000	1985000	3192000	2660	0	1570000	1570000	1308
1824000	1743000	3567000	2831	1212000	1960000	3172000	2517	0	1556000	1556000	1235
2248000	2138000	4386000	2758	1469000	2425000	3894000	2449	0	1917000	1917000	1206
2029000	1922000	3951000	2863	1334000	2174000	3508000	2542	0	1727000	1727000	1251
2050000	1969000	4019000	2850	1378000	2201000	3579000	2538	0	1758000	1758000	1247
2220000	1993000	4213000	2754	1303000	2444000	3747000	2449	0	1847000	1847000	1207
2010000	1975000	3985000	2888	1427000	2112000	3539000	2564	0	1742000	1742000	1262
2061000	1988000	4049000	2999	1425000	2159000	3584000	2655	0	1772000	1772000	1313
3219000	3109000	6328000	2850	2200000	3453000	5653000	2546	0	2789000	2789000	1256
1132000	1031000	2163000	2670	740000	1151000	1891000	2335	0	930000	930000	1148
2009000	1906000	3915000	2837	1346000	2130000	3476000	2519	0	1716000	1716000	1243
1803000	1776000	3579000	2593	1231000	1948000	3179000	2304	0	1553000	1553000	1125
2201000	2086000	4287000	2858	1497000	2305000	3802000	2535	0	1863000	1863000	1242
2493000	2391000	4884000	2669	1716000	2612000	4328000	2365	0	2127000	2127000	1162
1699000	1642000	3341000	2856	1212000	1763000	2975000	2543	0	1444000	1444000	1234
2144000	2068000	4212000	2865	1520000	2223000	3743000	2546	0	1824000	1824000	1241
1968000	1830000	3798000	2813	1335000	2039000	3374000	2499	0	1646000	1646000	1219
1489000	1415000	2904000	2151	1006000	1576000	2582000	1913	0	1249000	1249000	925
2140000	2082000	4222000	2469	1558000	2312000	3870000	2263	2264000	1888000	4152000	2428
1810000	1752000	3562000	2761	1317000	1939000	3256000	2524	1971000	1587000	3558000	2758
2380000	2305000	4685000	2789	1727000	2558000	4285000	2551	2642000	2087000	4729000	2815
1646000	1588000	3234000	2764	1187000	1766000	2953000	2524	1891000	1440000	3331000	2847
2131000	2053000	4184000	2735	1555000	2269000	3824000	2499	2549000	1864000	4413000	2884
1872500	1806000	3678500	2666	1271000	2085500	3356500	2432	2325000	1637000	3962000	2871
1872500	1806000	3678500	2666	1271000	2085500	3356500	2432	2325000	1637000	3962000	2871
2017000	1964000	3981000	2765	1266000	2360000	3626000	2518	2597000	1768000	4365000	3031
62764000	59738000	122502000	2798	42498000	67090000	109588000	2503	30406000	53660000	84066000	1920

Note: Use Meter 1 and 2 for tracking total system flow volume. Meters 3, 4, 5 and 6 are for process control.

ALLIANT TECHSYSTEMS TGRS EXTRACTION WELL WATER PUMPED
MAY, 1995

VOLUME OF WATER PUMPED (GALLONS)

DATE	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5	TOTAL
5/1/95	254700	151900	255900	235600	223000	314900	314700	147800	162800	280700	99300	231700	36800	109300	47900	123300	2990300
5/2/95	362800	215400	365100	336100	318400	449800	448900	210500	232300	401700	148000	330500	52200	155600	67600	175500	4270400
5/3/95	283000	165800	268600	246900	231800	325900	348200	162400	179000	309400	110100	255400	40700	120400	52500	136000	3236100
5/4/95	358000	203100	258200	239300	228700	316200	430100	198700	219600	386200	154100	308200	50000	148100	63200	165400	3727100
5/5/95	391300	233900	395500	365000	346100	474100	486800	228900	251200	445100	166300	356100	55200	169100	71900	189400	4625900
5/6/95	279400	164900	279700	257500	242300	328800	336200	160500	175000	309500	108200	245900	39500	122200	52000	136600	3238200
5/7/95	284800	168300	287600	265400	251600	343300	353000	166300	182000	323100	111800	259200	39300	122900	51800	137400	3347800
5/8/95	358200	211000	364100	336300	320800	439500	455200	211400	232700	412400	138500	335100	47900	152900	61500	171400	4248900
5/9/95	317100	185200	320000	295000	280000	381200	392500	184600	202100	356300	115800	288600	43000	135900	56700	152900	3706900
5/10/95	319500	187100	322600	298100	282200	385100	396500	186600	204500	362500	124100	291500	33900	115000	57000	128300	3694500
5/11/95	356800	204400	120000	317000	315800	426500	434500	203300	222700	392800	166000	322700	35500	129300	62200	167700	3877200
5/12/95	308900	180300	333500	273400	284100	373200	386000	184800	198500	345800	157800	296300	31100	113800	56300	139700	3663500
5/13/95	311200	181400	315600	273900	288200	373100	383900	184400	198100	343300	160800	247400	32800	115700	58200	142100	3610100
5/14/95	506800	296000	547500	447700	439300	586800	649400	300300	328100	570100	234900	405400	57000	186300	94700	227200	5877500
5/15/95	177600	104000	194300	159400	156500	210500	237400	107400	118500	206200	77300	147600	20000	63500	31200	77200	2088600
5/16/95	313900	182800	339600	277300	270200	359500	401000	185800	203300	352800	140800	250000	36700	114900	55400	139700	3623700
5/17/95	279400	171000	322200	264000	235900	324000	380500	165000	179400	313500	132400	232500	32200	101000	49400	127800	3310200
5/18/95	324700	199000	370100	302200	294400	403600	438800	201700	220900	385200	161300	282900	40900	125700	58100	154300	3963800
5/19/95	394200	227600	422400	346200	333200	454600	490700	228700	249200	427200	175800	311000	51500	142200	69800	170800	4495100
5/20/95	264600	151600	285000	233300	234500	318800	345500	158000	173100	304300	121500	220500	27800	93600	47600	108100	3087800
5/21/95	339100	193200	361500	294900	295400	390200	427100	198700	216700	377200	152300	272100	41100	121600	58900	144300	3884300
5/22/95	313600	177100	335000	251300	254900	351900	393300	169300	186400	345000	145900	248100	42400	112300	54700	131900	3513100
5/23/95	240300	138300	259400	212000	211400	272600	304200	139100	153000	264000	73900	191000	26500	85700	42300	94200	2707900
5/24/95	353200	202900	381600	311800	314500	413200	452200	207000	226600	392700	141700	286800	39000	127300	60500	148700	4059700
5/25/95	296400	168400	316100	257600	262300	343800	371800	172700	188700	324700	123500	238600	36500	107400	52300	129000	3389800
5/26/95	392600	222800	420100	342800	349800	456200	496700	230100	252000	433700	159100	314900	55400	141400	65200	172200	4505000
5/27/95	271900	154100	290300	236900	241300	312200	340900	158600	173700	298800	102200	216300	39300	97800	44500	119600	3098400
5/28/95	349300	199900	374000	305000	309500	401400	439100	203900	223500	386600	131500	275700	52400	126800	61400	154600	3994600
5/29/95	307000	178000	332150	270850	273250	354150	390850	179900	197450	348600	121250	245800	43900	111150	54200	128900	3537400
5/30/95	307000	178000	332150	270850	273250	354150	390850	179900	197450	348600	121250	245800	43900	111150	54200	128900	3537400
5/31/95	330100	189900	353800	288000	294000	396300	415500	192300	211000	374200	132800	263600	46500	118600	60800	141600	3809000
TOTAL	9947400	5787300	10123600	8811600	8656600	11635500	12532300	5808600	6359500	11122200	4210200	8417200	1270900	3798600	1774000	4464700	114720200

ALLIANT TECHSYSTEMS TGRS EXTRACTION WELL WATER PUMPED
MAY, 1995

METER READINGS (GALLONS)

DATE	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5
4/30/95	180669100	188494100	110607000	138864100	136679600	298173700	213523200	138758900	151403000	198973300	125767100	28336400	27557900	120578000	70856800	45227200
5/1/95	180923800	188646000	110862900	139099700	136902600	298488600	213837900	138906700	151565800	199254000	125866400	28568100	27594700	120687300	70904700	45350500
5/2/95	181286600	188861400	111228000	139435800	137221000	298938400	214286800	139117200	151798100	199655700	126014400	28898600	27646900	120842900	70972300	45526000
5/3/95	181569600	189027200	111496600	139682700	137452800	299264300	214635000	139279600	151977100	199965100	126124500	29154000	27687600	120963300	71024800	45662000
5/4/95	181927600	189230300	111754800	139922000	137681500	299580500	215065100	139478300	152196700	200351300	126278600	29462200	27737600	121111400	71088000	45827400
5/5/95	182318900	189464200	112150300	140287000	138027600	300054600	215551900	139707200	152447900	200796400	126444900	29818300	27792800	121280500	71159900	46016800
5/6/95	182598300	189629100	112430000	140544500	138269900	300383400	215888100	139867700	152622900	201105900	126553100	30064200	27832300	121402700	71211900	46153400
5/7/95	182883100	189797400	112717600	140809900	138521500	300726700	216241100	140034000	152804900	201429000	126664900	30323400	27871600	121525600	71263700	46290800
5/8/95	183241300	190008400	113081700	141146200	138842300	301166200	216696300	140245400	153037600	201841400	126803400	30658500	27919500	121678500	71325200	46462200
5/9/95	183558400	190193600	113401700	141441200	139122300	301547400	217088800	140430000	153239700	202197700	126919200	30947100	27962500	121814400	71381900	46615100
5/10/95	183877900	190380700	113724300	141739300	139404500	301932500	217485300	140616600	153444200	202560200	127043300	31238600	71413100	32863900	46672800	120900
5/11/95	27384000	84086400	90464000	14022900	139720300	302359000	217919800	41962600	153666900	202953000	128134100	31561300	71448600	32993200	46735000	288600
5/12/95	27692900	84266700	90797500	14296300	140934900	54004500	218305800	42147400	39910000	2699400	128291900	31857600	71479700	33107000	46791300	428300
5/13/95	28004100	84448100	91113100	14570200	141223100	54377600	3399300	42331800	40108100	3042700	128452700	18544800	71512500	33222700	46849500	570400
5/14/95	28510900	84744100	91660600	15017900	141662400	54964400	4048700	42632100	40436200	3612800	128687600	18950200	71569500	33409000	46944200	797600
5/15/95	28688500	84848100	91854900	15177300	141818900	55174900	4286100	42739500	40554700	3819000	128764900	19097800	71589500	33472500	46975400	874800
5/16/95	29002400	85030900	92194500	15454600	142089100	55534400	4687100	42925300	40758000	4171800	128905700	19347800	71626200	33587400	47030800	1014500
5/17/95	29281800	85201900	92516700	15718600	142325000	55858400	5067600	43090300	40937400	4485300	129038100	19580300	71658400	33688400	47080200	1142300
5/18/95	29606500	85400900	92886800	16020800	142619400	56262000	5506400	43292000	41158300	4870500	129199400	19863200	71699300	33814100	47138300	1296600
5/19/95	30000700	85628500	93309200	16367000	142952600	56716600	5997100	43520700	41407500	5297700	129375200	20174200	71750800	33956300	47208100	1467400
5/20/95	30265300	85780100	93594200	16600300	143187100	57035400	6342600	43678700	41580600	5602000	129496700	20394700	71778600	34049900	47255700	1575500
5/21/95	30604400	85973300	93955700	16895200	143482500	57425600	6769700	43877400	41797300	5979200	129649000	20666800	71819700	34171500	47314600	1719800
5/22/95	30918000	86150400	94290700	17146500	143737400	57777500	7163000	44046700	41983700	6324200	129794900	20914900	71862100	34283800	47369300	1851700
5/23/95	31158300	86288700	94550100	17358500	143948800	58050100	7467200	44185800	42136700	6588200	129868800	21105900	71888600	34369500	47411600	1945900
5/24/95	31511500	86491600	94931700	17670300	144263300	58463300	7919400	44392800	42363300	6980900	130010500	21392700	71927600	34496800	47472100	2094600
5/25/95	31807900	86660000	95247800	17927900	144525600	58807100	8291200	44565500	42552000	7305600	130134000	21631300	71964100	34604200	47524400	2223600
5/26/95	32200500	86882800	95667900	18270700	144875400	59263300	8787900	44795600	42804000	7739300	130293100	21946200	72019500	34745600	47589600	2395800
5/27/95	32472400	87036900	95958200	18507600	145116700	59575500	9128800	44954200	42977700	8038100	130395300	22162500	72058800	34843400	47634100	2515400
5/28/95	32821700	87236800	96332200	18812600	145426200	59976900	9567900	45158100	43201200	8424700	130526800	22438200	72111200	34970200	47695500	2670000
5/29/95	33128700	87414800	96664350	19083450	145699450	60331050	9958750	45338000	43398650	8773300	130648050	22684000	72155100	35081350	47749700	2798900
5/30/95	33435700	87592800	96996500	19354300	145972700	60685200	10349600	45517900	43596100	9121900	130769300	22929800	72199000	35192500	47803900	2927800
5/31/95	33765800	87782700	97350300	19642300	146266700	61081500	10765100	45710200	43807100	9496100	130902100	23193400	72245500	35311100	47864700	3069400

ALLIANT TECHSYSTEMS TGRS TREATMENT CENTER WATER METER READING LOG
JUNE, 1995

METER READINGS (GALLONS)

DATE	METER #1	METER #2	METER #3	METER #4	METER #5	METER #6
5/31/95	15814000	579559000	236430000	611578000	2654338000	2058479000
6/1/95	18196000	581864000	238055000	614220000	2657500000	2060561000
6/2/95	19930000	583581000	239238000	616173000	2659896000	2062096000
6/3/95	22129000	585763000	240771000	618622000	2663021000	2064042000
6/4/95	23825000	587442000	241993000	620475000	2665485000	2065543000
6/5/95	26230000	589805000	243691000	623119000	2669028000	2067664000
6/6/95	28022000	591535000	244939000	625082000	2671683000	2069231000
6/7/95	30084000	593531000	246354000	627360000	2674809000	2071038000
6/8/95	32414000	595778000	247937000	629940000	2678399000	2073076000
6/9/95	34066000	597386000	249109000	631737000	2681003000	2074528000
6/10/95	36412000	599663000	250765000	634289000	2684769000	2076589000
6/11/95	38155000	601357000	252013000	636170000	2687431000	2078121000
6/12/95	40129000	603276000	253463000	638262000	2690604000	2079855000
6/13/95	42076000	605130000	254906000	640305000	2694167000	2081563000
6/14/95	44454000	607464000	256650000	642831000	2697915000	2083649000
6/15/95	46551000	609465000	258133000	645070000	2699459000	2085478000
6/16/95	48050000	610898000	259190000	646675000	2700261000	2086786000
6/17/95	50327000	613069000	260737000	649183000	2701010000	2088770000
6/18/95	52371000	615018000	262171000	651384000	2701721000	2090552000
6/19/95	54198000	616762000	263497000	653317000	2702015000	2092151000
6/20/95	55674000	618006000	263833000	655442000	2702015000	2093362000
6/21/95	56007000	618334000	264077000	655810000	2702015000	2093663000
6/22/95	57520000	619784000	265186000	657395000	2702015000	2094992000
6/23/95	57520000	619784000	268186000	657395000	2702015000	2094992000
6/24/95	60018000	622239000	267037000	660035000	2702015000	2097119000
6/25/95	61507000	623708000	268134000	661612000	2702015000	2098389000
6/26/95	63878000	626040000	269906000	664090000	2702015000	2100397000
6/27/95	65825000	627948000	271347000	666141000	2702015000	2102040000
6/28/95	67649000	629733000	272701000	668053000	2702015000	2103578000
6/29/95	69886000	631926000	274354000	670414000	2702015000	2105461000
6/30/95	71907000	633907000	275849000	672541000	2702015000	2107165000
TOTAL	56093000	54348000	39419000	60963000	47677000	48686000

VOLUME OF TREATED WATER (GALLONS) AND FLOW RATE (GALLONS PER MINUTE, GPM)

METER #1	METER #2	TOTAL	GPM	METER #3	METER #4	TOTAL	GPM	METER #5	METER #6	TOTAL	GPM
-	-	-	-	-	-	-	-	-	-	-	-
2382000	2305000	4687000	2790	1625000	2642000	4267000	2540	3162000	2082000	5244000	3121
1734000	1717000	3451000	2806	1183000	1953000	3136000	2550	2396000	1535000	3931000	3196
2199000	2182000	4381000	2782	1533000	2449000	3982000	2528	3125000	1946000	5071000	3220
1696000	1679000	3375000	2813	1222000	1853000	3075000	2563	2464000	1501000	3965000	3304
2405000	2363000	4768000	2764	1698000	2644000	4342000	2517	3543000	2121000	5664000	3283
1792000	1730000	3522000	2795	1248000	1963000	3211000	2548	2655000	1567000	4222000	3351
2062000	1996000	4058000	2761	1415000	2278000	3693000	2512	3126000	1807000	4933000	3356
2330000	2247000	4577000	2774	1583000	2580000	4163000	2523	3590000	2038000	5628000	3411
1652000	1608000	3260000	2786	1172000	1797000	2969000	2538	2604000	1452000	4056000	3467
2346000	2277000	4623000	2752	1656000	2552000	4208000	2505	3766000	2061000	5827000	3468
1743000	1694000	3437000	2794	1248000	1881000	3129000	2544	2662000	1532000	4194000	3410
1974000	1919000	3893000	2761	1450000	2092000	3542000	2512	3173000	1734000	4907000	3480
1947000	1854000	3801000	2754	1443000	2043000	3486000	2526	3563000	1708000	5271000	3820
2378000	2334000	4712000	2805	1744000	2526000	4270000	2542	3748000	2086000	5834000	3473
2097000	2001000	4098000	2732	1483000	2239000	3722000	2481	1544000	1829000	3373000	2249
1499000	1433000	2932000	2715	1057000	1605000	2662000	2465	802000	1308000	2110000	1954
2277000	2171000	4448000	2746	1547000	2508000	4055000	2503	749000	1984000	2733000	1687
2044000	1949000	3993000	2773	1434000	2201000	3635000	2524	711000	1782000	2493000	1731
1827000	1744000	3571000	2705	1326000	1933000	3259000	2469	294000	1599000	1893000	1434
1476000	1244000	2720000	1813	336000	2125000	2461000	1641	0	1211000	1211000	807
333000	328000	661000	441	244000	368000	612000	408	0	301000	301000	201
1513000	1450000	2963000	2147	1109000	1585000	2694000	1952	0	1329000	1329000	963
0	0	0	0	3000000	0	3000000	2083	0	0	0	0
2498000	2455000	4953000	2642	-1149000	2640000	1491000	795	0	2127000	2127000	1134
1489000	1469000	2958000	2817	1097000	1577000	2674000	2547	0	1270000	1270000	1210
2371000	2332000	4703000	2775	1772000	2478000	4250000	2507	0	2008000	2008000	1185
1947000	1908000	3855000	2793	1441000	2051000	3492000	2530	0	1643000	1643000	1191
1824000	1785000	3609000	2734	1354000	1912000	3266000	2474	0	1538000	1538000	1165
2237000	2193000	4430000	2786	1653000	2361000	4014000	2525	0	1883000	1883000	1184
2021000	1981000	4002000	2779	1495000	2127000	3622000	2515	0	1704000	1704000	1183
56093000	54348000	110441000	2762	39419000	60963000	100382000	2511	47677000	48686000	96363000	2410

Note: Use Meter 1 and 2 for tracking total system flow volume. Meters 3, 4, 5 and 6 are for process control.

ALLIANT TECHSYSTEMS TGRS EXTRACTION WELL WATER PUMPED
JUNE, 1995

VOLUME OF WATER PUMPED (GALLONS)

DATE	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5	TOTAL
6/1/95	392200	225600	420700	343200	350900	471400	494900	229200	252100	445500	160800	310100	61900	140700	63300	169300	4531800
6/2/95	283700	161800	303800	248500	251900	338000	355500	165600	180500	321700	125700	227000	45400	100600	50400	124600	3284700
6/3/95	358700	203600	382100	311200	317400	426700	449900	209700	228200	409400	162400	287900	83100	127400	63100	157300	4178100
6/4/95	277200	157600	295800	241000	246000	330100	348200	162200	176800	316400	123100	219200	65200	98400	45400	121400	3224000
6/5/95	394600	224200	421000	343500	350800	458800	495300	230600	252400	446500	163800	313800	94700	139600	72000	172100	4573700
6/6/95	296100	168300	316800	258600	264000	336300	370900	173100	189800	335000	120900	237600	73300	104400	51900	128700	3425700
6/7/95	337700	190600	360600	294400	300700	400000	423000	196700	216300	379800	146800	269100	85500	119700	60200	148400	3929500
6/8/95	383300	216000	408000	333000	339900	458300	475400	222300	244600	431500	151900	305400	72200	135000	68500	168000	4413300
6/9/95	271200	152400	289100	236100	241000	325300	336200	157900	173500	306000	114800	213900	52000	95100	46400	118700	3129600
6/10/95	384400	215400	409800	334300	341000	458200	474400	223300	245400	434900	154700	304400	75300	134400	68100	167900	4425900
6/11/95	286000	160000	305400	249100	254600	341600	351800	166800	183400	323700	122600	229100	57300	99800	52100	124900	3308200
6/12/95	324000	180800	346400	282900	288900	387100	398800	189400	208200	366300	143500	258700	66400	112800	58800	141400	3754400
6/13/95	319300	178000	341900	279300	285300	382000	391700	186600	205600	361400	133400	256500	66700	110800	56500	139000	3694000
6/14/95	392500	218100	421100	342600	350900	470000	479600	229300	252800	444300	165000	312200	84000	135800	70900	170100	4539200
6/15/95	342200	190000	364600	298800	304500	396400	409800	198100	219400	386500	129000	270200	74900	118400	61600	148600	3913000
6/16/95	244900	136000	261800	213400	218000	278000	292100	141600	157100	275700	101400	192700	54100	84700	44600	106400	2802500
6/17/95	375500	208500	402600	328500	336000	428400	448300	217800	242200	425700	151300	291900	83000	129200	69500	161800	4300200
6/18/95	334200	185300	358300	292200	298900	388800	397500	194100	214500	379600	151100	256800	76500	115100	60100	143700	3846700
6/19/95	297300	166400	321500	262100	264300	329000	354200	171700	191600	334900	119100	227700	85400	102400	56600	129000	3413200
6/20/95	267400	147000	229300	240300	207200	297000	287900	140200	158500	280500	94300	109800	55200	83100	49200	33000	2679900
6/21/95	49600	29300	55700	45100	43300	54300	61900	28000	30000	53400	23000	36400	9800	17800	11300	0	548900
6/22/95	250200	141900	269100	218800	227000	297000	317400	144800	157600	285000	100	194800	45300	86000	54700	0	2689700
6/23/95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6/24/95	429300	238900	450500	366700	387000	477500	529200	244100	269000	486100	168600	328400	98300	150900	86800	142600	4853900
6/25/95	245700	136900	259200	211700	223200	274100	304400	141200	154900	282600	95100	189400	68000	86400	48700	85400	2806900
6/26/95	392800	220700	415100	343800	354800	449400	478800	223000	246400	441700	186100	289100	111500	136100	81600	143300	4514200
6/27/95	324400	184000	349000	288200	294400	371400	394800	184400	204200	363000	155100	240400	89800	111300	69000	117500	3740900
6/28/95	296300	168400	321900	262400	267000	335400	354600	166000	184100	324600	140200	212200	66400	102900	64600	118800	3385800
6/29/95	371200	210700	358100	329200	338100	425200	451500	210900	233700	410500	176300	272700	83800	128200	80000	146900	4227000
6/30/95	332200	188000	5800	292500	302300	378400	401900	187300	208000	365400	158500	245100	41700	115600	71700	135900	3430300
TOTAL	9254100	5204400	9445000	8091400	8249300	10764100	11329900	5335900	5880800	10417600	3838600	7102500	2026700	3222600	1737600	3664700	105565200

ALLIANT TECHSYSTEMS TGRS EXTRACTION WELL WATER PUMPED
JUNE, 1995

METER READINGS (GALLONS)

DATE	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5
5/31/95	33765800	87782700	97350300	19642300	146266700	61081500	10765100	45710200	43807100	9496100	130902100	23193400	72245500	35311100	47864700	3069400
6/1/95	34158000	88008300	97771000	19985500	146617600	61552900	11260000	45939400	44059200	9941600	131062900	23503500	72307400	35451800	47928000	3238700
6/2/95	34441700	88170100	98074800	20234000	146869500	61890900	11615500	46105000	44239700	10263300	131188600	23730500	72352800	35552400	47978400	3363300
6/3/95	34800400	88373700	98456900	20545200	147186900	62317600	12065400	46314700	44467900	10672700	131351000	24018400	72435900	35679800	48041500	3520600
6/4/95	35077600	88531300	98752700	20786200	147432900	62647700	12413600	46476900	44644700	10989100	131474100	24237600	72501100	35778200	48086900	3642000
6/5/95	35472200	88755500	99173700	21129700	147783700	63106500	12908900	46707500	44897100	11435600	131637900	24551400	72595800	35917800	48158900	3814100
6/6/95	35768300	88923800	99490500	21388300	148047700	63442800	13279800	46880600	45086900	11770600	131758800	24789000	72669100	36022200	48210800	3942800
6/7/95	36106000	89114400	99851100	21682700	148348400	63842800	13702800	47077300	45303200	12150400	131905600	25058100	72754600	36141900	48271000	4091200
6/8/95	36489300	89330400	100259100	22015700	148688300	64301100	14178200	47299600	45547800	12581900	132057500	25363500	72826800	36276900	48339500	4259200
6/9/95	36760500	89482800	100548200	22251800	148929300	64626400	14514400	47457500	45721300	12887900	132172300	25577400	72878800	36372000	48385900	4377900
6/10/95	37144900	89698200	100958000	22586100	149270300	65084600	14988800	47680800	45966700	13322800	132327000	25881800	72954100	36506400	48454000	4545800
6/11/95	37430900	89858200	101263400	22835200	149524900	65426200	15340600	47847600	46150100	13646500	132449600	26110900	73011400	36606200	48506100	4670700
6/12/95	37754900	90039000	101609800	23118100	149813800	65813300	15739400	48037000	46358300	14012800	132593100	26369600	73077800	36719000	48564900	4812100
6/13/95	38074200	90217000	101951700	23397400	150099100	66195300	16131100	48223600	46563900	14374200	132726500	26626100	73144500	36829800	48621400	4951100
6/14/95	38466700	90435100	102372800	23740000	150450000	66665300	16610700	48452900	46816700	14818500	132891500	26938300	73228500	36965600	48692300	5121200
6/15/95	38808900	90625100	102737400	24038800	150754500	67061700	17020500	48651000	47036100	15205000	133020500	27208500	73303400	37084000	48753900	5269800
6/16/95	39053800	90761100	102999200	24252200	150972500	67339700	17312600	48792600	47193200	15480700	133121900	27401200	73357500	37168700	48798500	5376200
6/17/95	39429300	90969600	103401800	24580700	151308500	67768100	17760900	49010400	47435400	15906400	133273200	27693100	73440500	37297900	48868000	5538000
6/18/95	39763500	91154900	103760100	24872900	151607400	68156900	18158400	49204500	47649900	16286000	133424300	27949900	73517000	37413000	48928100	5681700
6/19/95	40060800	91321300	104081600	25135000	151871700	68485900	18512600	49376200	47841500	16620900	133543400	28177600	73602400	37515400	48984700	5810700
6/20/95	40328200	91468300	104310900	25375300	152078900	68782900	18800500	49516400	48000000	16901400	133637700	28287400	73657600	37598500	49033900	5843700
6/21/95	40377800	91497600	104366600	25420400	152122200	68837200	18862400	49544400	48030000	16954800	133660700	28323800	73667400	37616300	49045200	5843700
6/22/95	40628000	91639500	104635700	25639200	152349200	69134200	19179800	49689200	48187600	17239800	133660800	28518600	73712700	37702300	49099900	5843700
6/23/95	40628000	91639500	104635700	25639200	152349200	69134200	19179800	49689200	48187600	17239800	133660800	28518600	73712700	37702300	49099900	5843700
6/24/95	41057300	91878400	105086200	26005900	152736200	69611700	19709000	49933300	48456600	17725900	133829400	28847000	73811000	37853200	49186700	5986300
6/25/95	41303000	92015300	105345400	26217600	152959400	69885800	20013400	50074500	48611500	18008500	133924500	29036400	73879000	37939600	49235400	6071700
6/26/95	41695800	92236000	105760500	26561400	153314200	70335200	20492200	50297500	48857900	18450200	134110600	29325500	73990500	38075700	49317000	6215000
6/27/95	42020200	92420000	106109500	26849600	153608600	70706600	20887000	50481900	49062100	18813200	134265700	29565900	74080300	38187000	49386000	6332500
6/28/95	42316500	92588400	106431400	27112000	153875600	71042000	21241600	50647900	49246200	19137800	134405900	29778100	74146700	38289900	49450600	6451300
6/29/95	42687700	92799100	106789500	27441200	154213700	71467200	21693100	50858800	49479900	19548300	134582200	30050800	74230500	38418100	49530600	6598200
6/30/95	43019900	92987100	106795300	27733700	154516000	71845600	22095000	51046100	49687900	19913700	134740700	30295900	74272200	38533700	49602300	6734100

ALLIANT TECHSYSTEMS TGRS TREATMENT CENTER WATER METER READING LOG
JULY, 1995

	METER READINGS (GALLONS)						VOLUME OF TREATED WATER (GALLONS) AND FLOW RATE (GALLONS PER MINUTE, GPM)											
DATE	METER #1	METER #2	METER #3	METER #4	METER #5	METER #6	METER #1	METER #2	TOTAL	GPM	METER #3	METER #4	TOTAL	GPM	METER #5	METER #6	TOTAL	GPM
6/30/95	71907000	633907000	275849000	672541000	2702015000	2107165000	-	-	-	-	-	-	-	-	-	-	-	-
7/1/95	73389000	635355000	276955000	674078000	2702015000	2108409000	1482000	1448000	2930000	2790	1106000	1537000	2643000	2517	0	1244000	1244000	1185
7/2/95	75653000	637563000	278651000	676430000	2702015000	2110310000	2264000	2208000	4472000	2760	1696000	2352000	4048000	2499	0	1901000	1901000	1173
7/3/95	77912000	639762000	280340000	678772000	2702015000	2112205000	2259000	2199000	4458000	2752	1689000	2342000	4031000	2488	0	1895000	1895000	1170
7/4/95	79925000	641727000	281829000	680886000	2702015000	2113896000	2013000	1965000	3978000	2763	1489000	2114000	3603000	2502	0	1691000	1691000	1174
7/5/95	81603000	643365000	283069000	682648000	2702015000	2115306000	1678000	1638000	3316000	2763	1240000	1762000	3002000	2502	0	1410000	1410000	1175
7/6/95	83660000	645369000	284600000	684804000	2702015000	2117030000	2057000	2004000	4061000	2763	1531000	2156000	3687000	2508	0	1724000	1724000	1173
7/7/95	85632000	647296000	286029000	686892000	2702015000	2118686000	1972000	1927000	3899000	2765	1429000	2088000	3517000	2494	0	1656000	1656000	1174
7/8/95	87482000	649125000	287262000	688996000	2702015000	2120246000	1850000	1829000	3679000	2920	1233000	2104000	3337000	2648	0	1560000	1560000	1238
7/9/95	89603000	651220000	288576000	691494000	2702015000	2122034000	2121000	2095000	4216000	2811	1314000	2498000	3812000	2541	0	1788000	1788000	1192
7/10/95	92742000	654328000	290410000	695335000	2702015000	2124678000	3139000	3108000	6247000	2795	1834000	3841000	5675000	2539	0	2644000	2644000	1183
7/11/95	94438000	655995000	291364000	697427000	2702015000	2126108000	1696000	1667000	3363000	2838	954000	2092000	3046000	2570	0	1430000	1430000	1207
7/12/95	96040000	657579000	292304000	699379000	2702015000	2127456000	1602000	1584000	3186000	2758	940000	1952000	2892000	2504	0	1348000	1348000	1167
7/13/95	98511000	659999000	293785000	702330000	2702015000	2129523000	2471000	2420000	4891000	2787	1481000	2951000	4432000	2525	0	2067000	2067000	1178
7/14/95	100527000	661743000	294870000	704653000	2702015000	2131113000	2016000	1744000	3760000	2639	1085000	2323000	3408000	2392	0	1590000	1590000	1116
7/15/95	102021000	663038000	295704000	706335000	2702015000	2132293000	1494000	1295000	2789000	2479	834000	1682000	2516000	2236	0	1180000	1180000	1049
7/16/95	104024000	664963000	297194000	708405000	2702015000	2133957000	2003000	1925000	3928000	2672	1490000	2070000	3560000	2422	0	1664000	1664000	1132
7/17/95	106543000	667428000	299027000	711086000	2702015000	2136066000	2519000	2465000	4984000	2792	1833000	2681000	4514000	2529	0	2109000	2109000	1182
7/18/95	108200000	669036000	300264000	712810000	2702015000	2137445000	1657000	1608000	3265000	2791	1237000	1724000	2961000	2531	0	1379000	1379000	1179
7/19/95	109919000	670713000	301529000	714614000	2702015000	2138882000	1719000	1677000	3396000	2903	1265000	1804000	3069000	2623	0	1437000	1437000	1228
7/20/95	111950000	672705000	303029000	716769000	2702015000	2140583000	2031000	1992000	4023000	2794	1500000	2155000	3655000	2538	0	1701000	1701000	1181
7/21/95	114201000	674849000	304652000	719121000	2702015000	2142440000	2251000	2144000	4395000	2713	1623000	2352000	3975000	2454	0	1857000	1857000	1146
7/22/95	115990000	676578000	305989000	720968000	2702015000	2143927000	1789000	1729000	3518000	2727	1337000	1847000	3184000	2468	0	1487000	1487000	1153
7/23/95	118098000	678643000	307527000	723213000	2702015000	2145694000	2108000	2065000	4173000	2782	1538000	2245000	3783000	2522	0	1767000	1767000	1178
7/24/95	120094000	680579000	309024000	725284000	2702015000	2147352000	1996000	1936000	3932000	2621	1497000	2071000	3568000	2379	0	1658000	1658000	1105
7/25/95	122232000	682623000	310618000	727478000	2702015000	2149121000	2138000	2044000	4182000	2760	1594000	2194000	3788000	2500	0	1769000	1769000	1168
7/26/95	124610000	684893000	312376000	729931000	2702015000	2151082000	2378000	2270000	4648000	2648	1758000	2453000	4211000	2399	0	1961000	1961000	1117
7/27/95	125868000	686101000	313303000	731240000	2702015000	2152123000	1258000	1208000	2466000	2349	927000	1309000	2236000	2130	0	1041000	1041000	991
7/28/95	127889000	688012000	314797000	733308000	2702015000	2153783000	2021000	1911000	3932000	2621	1494000	2068000	3562000	2375	0	1660000	1660000	1107
7/29/95	129733000	689766000	316165000	735216000	2702015000	2155302000	1844000	1754000	3598000	2607	1368000	1908000	3276000	2374	0	1519000	1519000	1101
7/30/95	131576000	691508000	317534000	737096000	2702015000	2156818000	1843000	1742000	3585000	2598	1369000	1880000	3249000	2354	0	1516000	1516000	1099
7/31/95	133457000	693284000	318927000	739022000	2702015000	2158359000	1881000	1776000	3657000	2594	1393000	1926000	3319000	2354	0	1541000	1541000	1093
TOTAL	61550000	59377000	43078000	66481000	0	51194000	61550000	59377000	120927000	2729	43078000	66481000	109559000	2472	0	51194000	51194000	1155

Note: Use Meter 1 and 2 for tracking total system flow volume. Meters 3, 4, 5 and 6 are for process control.

ALLIANT TECHSYSTEMS TGRS EXTRACTION WELL WATER PUMPED
JULY, 1995

VOLUME OF WATER PUMPED (GALLONS)

DATE	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5	TOTAL
7/1/95	244200	138800	200	217100	223800	279800	294300	137900	153400	267900	116200	177100	31400	84500	52800	99200	2518600
7/2/95	376100	213900	0	334100	342700	428300	448100	210300	234600	409100	177200	265500	49400	129300	80900	153700	3853200
7/3/95	376000	213400	396700	333200	343200	427700	446800	209700	234600	408300	174800	261600	49900	129800	81600	153900	4241200
7/4/95	317300	177100	329400	276800	290100	362700	385400	179100	200300	348800	143400	233200	42500	111300	69000	123000	3589400
7/5/95	304000	169700	315800	265300	278100	347500	369400	171700	191900	334200	137400	223500	40700	106700	66200	117800	3439900
7/6/95	343900	193200	360200	303500	315600	392700	410900	192100	214700	373600	154600	243400	44800	119200	75000	140700	3878100
7/7/95	328500	183600	347200	288900	306200	377400	397700	184900	206200	359800	147500	236600	42100	114500	71200	134200	3726500
7/8/95	305100	167100	304800	258200	263100	341600	363100	168300	186600	323200	129600	228200	57500	110100	64300	125500	3396300
7/9/95	355000	194700	373500	309800	327300	422400	448900	205300	228100	397800	159400	285100	67500	126700	74200	144300	4120000
7/10/95	514900	281900	540000	450500	477000	617000	661700	300700	335000	590200	232100	419400	95700	181900	104600	207100	6009700
7/11/95	282000	153400	293500	244500	257500	327300	353500	162100	181000	313800	128500	220900	50300	100800	58300	114700	3242100
7/12/95	264500	142700	274700	229500	240700	314600	330600	151400	169100	296500	119100	207400	47200	94300	56900	107500	3046700
7/13/95	414900	224900	369000	359700	376800	449200	514100	235000	263600	458600	178700	318100	73600	146800	85400	167900	4636300
7/14/95	356600	195900	0	307400	312300	384700	428000	192100	215700	371600	153400	271000	60500	123700	69600	141600	3584100
7/15/95	262200	146300	200	225900	228800	283700	314000	141600	156600	272300	113400	199300	43400	91000	52400	104500	2635600
7/16/95	335500	195000	356100	304900	303600	382100	388600	183400	206700	352100	151700	216800	64200	113600	69800	138100	3762200
7/17/95	419400	237300	433900	367700	380400	479200	510200	236700	264400	458000	194700	311200	82200	146400	91600	171200	4784500
7/18/95	275300	159200	293400	247100	247400	314600	323400	152200	170800	292800	124300	182500	53700	95500	59800	113600	3105600
7/19/95	286300	162400	288100	250400	255500	327500	342000	159700	178600	308700	132000	205600	56200	100200	62800	117900	3233900
7/20/95	337800	190600	349500	292900	306800	388100	418100	193100	214800	373500	157000	257800	65800	121100	75000	113000	3854900
7/21/95	379000	215900	396700	332400	342300	431900	455300	210900	237400	408800	166100	275200	69900	134300	81000	60600	4197700
7/22/95	297700	172900	314800	266500	269600	340100	350400	164700	185100	318200	126200	203800	58500	103800	64700	122600	3359600
7/23/95	350000	198400	364400	304000	316600	400200	430400	199000	221000	383000	156900	266900	67700	126100	77000	127600	3989200
7/24/95	333400	193300	354900	298400	304000	380700	395500	185200	207700	358500	143000	230700	68200	116500	71300	137000	3778300
7/25/95	363300	212400	386400	328500	326100	409900	410200	195200	221200	377100	142800	219200	75200	124100	75400	143700	4010700
7/26/95	406100	238100	437600	368500	357900	451700	450500	214400	244000	416300	163000	235600	89600	136800	84300	165500	4459900
7/27/95	212300	123000	222200	188900	188200	236500	239600	113200	127500	218100	86500	135800	47700	72900	45100	87000	2344500
7/28/95	360800	204000	377700	316000	318300	399400	415300	192100	222600	371100	144600	7900	78100	126600	76100	147800	3758400
7/29/95	321800	184300	315500	284400	274100	358300	352900	167800	191300	328000	130700	189200	73300	108500	67600	131200	3478900
7/30/95	318000	185400	310300	286700	271900	352800	341500	163500	187500	320300	129400	174100	82100	105700	66600	131000	3426800
7/31/95	323800	192900	339500	297100	284500	356800	344400	165400	188400	322000	130000	172300	87900	107300	68700	130300	3511300
TOTAL	10365700	5861700	9446200	9138800	9330400	11766400	12334800	5738700	6440400	11132200	4544200	7074900	1916800	3610000	2199200	4073700	114974100

ALLIANT TECHSYSTEMS TGRS EXTRACTION WELL WATER PUMPED
JULY, 1995

METER READINGS (GALLONS)

DATE	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5
6/30/95	43019900	92987100	6795300	27733700	54516000	71845600	22095000	51046100	49687900	19913700	34740700	30295900	74272200	38533700	49602300	6734100
7/1/95	43264100	93125900	6795500	27950800	54739800	72125400	22389300	51184000	49841300	20181600	34856900	30473000	74303600	38618200	49655100	6833300
7/2/95	43640200	93339800	6795500	28284900	55082500	72553700	22837400	51394300	50075900	20590700	35034100	30738500	74353000	38747500	49736000	6987000
7/3/95	44016200	93553200	396700	28618100	55425700	72981400	23284200	51604000	50310500	20999000	35208900	31000100	74402900	38877300	49817600	7140900
7/4/95	44333500	93730300	726100	28894900	55715800	73344100	23669600	51783100	50510800	21347800	35352300	31233300	74445400	38988600	49886600	7263900
7/5/95	44637500	93900000	1041900	29160200	55993900	73691600	24039000	51954800	50702700	21682000	35489700	31456800	74486100	39095300	49952800	7381700
7/6/95	44981400	94093200	1402100	29463700	56309500	74084300	24449900	52146900	50917400	22055600	35644300	31700200	74530900	39214500	50027800	7522400
7/7/95	45309900	94276800	1749300	29752600	56615700	74461700	24847600	52331800	51123600	22415400	35791800	31936800	74573000	39329000	50099000	7656600
7/8/95	45615000	94443900	2054100	30010800	56878800	74803300	25210700	52500100	51310200	22738600	35921400	32165000	74630500	39439100	50163300	7782100
7/9/95	45970000	94638600	2427600	30320600	57206100	75225700	25659600	52705400	51538300	23136400	36080800	32450100	74698000	39565800	50237500	7926400
7/10/95	46484900	94920500	2967600	30771100	57683100	75842700	26321300	53006100	51873300	23726600	36312900	32869500	74793700	39747700	50342100	8133500
7/11/95	46766900	95073900	3261100	31015600	57940600	76170000	26674800	53168200	52054300	24040400	36441400	33090400	74844000	39848500	50400400	8248200
7/12/95	47031400	95216600	3535800	31245100	58181300	76484600	27005400	53319600	52223400	24336900	36560500	33297800	74891200	39942800	50457300	8355700
7/13/95	47446300	95441500	3904800	31604800	58558100	76933800	27519500	53554600	52487000	24795500	36739200	33615900	74964800	40089600	50542700	8523600
7/14/95	47802900	95637400	3904800	31912200	58870400	77318500	27947500	53746700	52702700	25167100	36892600	33886900	75025300	40213300	50612300	8665200
7/15/95	48065100	95783700	3905000	32138100	59099200	77602200	28261500	53888300	52859300	25439400	37006000	34086200	75068700	40304300	50664700	8769700
7/16/95	48400600	95978700	4261100	32443000	59402800	77984300	28650100	54071700	53066000	25791500	37157700	34303000	75132900	40417900	50734500	8907800
7/17/95	48820000	96216000	4695000	32810700	59783200	78463500	29160300	54308400	53330400	26249500	37352400	34614200	75215100	40564300	50826100	9079000
7/18/95	49095300	96375200	4988400	33057800	60030600	78778100	29483700	54460600	53501200	26542300	37476700	34796700	75268800	40659800	50885900	9192600
7/19/95	49381600	96537600	5276500	33308200	60286100	79105600	29825700	54620300	53679800	26851000	37608700	35002300	75325000	40760000	50948700	9310500
7/20/95	49719400	96728200	5626000	33601100	60592900	79493700	30243800	54813400	53894600	27224500	37765700	35260100	75390800	40881100	51023700	9423500
7/21/95	50098400	96944100	6022700	33933500	60935200	79925600	30699100	55024300	54132000	27633300	37931800	35535300	75460700	41015400	51104700	9484100
7/22/95	50396100	97117000	6337500	34200000	61204800	80265700	31049500	55189000	54317100	27951500	38058000	35739100	75519200	41119200	51169400	9606700
7/23/95	50746100	97315400	6701900	34504000	61521400	80665900	31479900	55388000	54538100	28334500	38214900	36006000	75586900	41245300	51246400	9734300
7/24/95	51079500	97508700	7056800	34802400	61825400	81046600	31875400	55573200	54745800	28693000	38357900	36236700	75655100	41361800	51317700	9871300
7/25/95	51442800	97721100	7443200	35130900	62151500	81456500	32285600	55768400	54967000	29070100	38500700	36455900	75730300	41485900	51393100	10015000
7/26/95	51848900	97959200	7880800	35499400	62509400	81908200	32736100	55982800	55211000	29486400	38663700	36691500	75819900	41622700	51477400	10180500
7/27/95	52061200	98082200	8103000	35688300	62697600	82144700	32975700	56096000	55338500	29704500	38750200	36827300	75867600	41695600	51522500	10267500
7/28/95	52422000	98286200	8480700	36004300	63015900	82544100	33391000	56288100	55561100	30075600	38894800	36835200	75945700	41822200	51598600	10415300
7/29/95	52743800	98470500	8796200	36288700	63290000	82902400	33743900	56455900	55752400	30403600	39025500	37024400	76019000	41930700	51666200	10546500
7/30/95	53061800	98655900	9106500	36575400	63561900	83255200	34085400	56619400	55939900	30723900	39154900	37198500	76101100	42036400	51732800	10677500
7/31/95	53385600	98848800	9446000	36872500	63846400	83612000	34429800	56784800	56128300	31045900	39284900	37370800	76189000	42143700	51801500	10807800

ALLIANT TECHSYSTEMS TGRS TREATMENT CENTER WATER METER READING LOG
AUGUST, 1995

METER READINGS (GALLONS)

DATE	METER #1	METER #2	METER #3	METER #4	METER #5	METER #6
7/31/95	133457000	693284000	318927000	739022000	2702015000	2158359000
8/1/95	135499000	695288000	320212000	741421000	2702015000	2160067000
8/2/95	137546000	697306000	321391000	743934000	2702015000	2161783000
8/3/95	139587000	699315000	322563000	746433000	2702015000	2163493000
8/4/95	142245000	701934000	324150000	749647000	2702015000	2165720000
8/5/95	143821000	703486000	325054000	751574000	2702015000	2167042000
8/6/95	146215000	705841000	326770000	754169000	2702015000	2169047000
8/7/95	148330000	707925000	328150000	756628000	2702015000	2170819000
8/8/95	150254000	709818000	329379000	758872000	2702015000	2172449000
8/9/95	152938000	712460000	330983000	762118000	2702015000	2174677000
8/10/95	154665000	714160000	332053000	764172000	2702015000	2176123000
8/11/95	156818000	716280000	333420000	766697000	2702015000	2177930000
8/12/95	158230000	716575000	334145000	767522000	2702015000	2178643000
8/13/95	158252000	717909000	335387000	767533000	2702015000	2179221000
8/14/95	160265000	719583000	336624000	767537000	2702015000	2180781000
8/15/95	161905000	721153000	337799000	767537000	2702015000	2182144000
8/16/95	163965000	723179000	339325000	767537000	2702015000	2183874000
8/17/95	166058000	725223000	340939000	767537000	2702015000	2185624000
8/18/95	167629000	726760000	342230000	767537000	2702015000	2186949000
8/19/95	169615000	728781000	343860000	767537000	2702015000	2188624000
8/20/95	169615000	728781000	343860000	767537000	2702015000	2188624000
8/21/95	170637000	729609000	344643000	767537000	2702015000	2189444000
8/22/95	172756000	731677000	346408000	767541000	2702015000	2191266000
8/23/95	174660000	733550000	347982000	769502000	2702015000	2192907000
8/24/95	176754000	735609000	349739000	771621000	2702015000	2194709000
8/25/95	178763000	737584000	351425000	773662000	2702015000	2196438000
8/26/95	180713000	739502000	353045000	775662000	2702015000	2198114000
8/27/95	183286000	742032000	355150000	778334000	2702015000	2200330000
8/28/95	185158000	743872000	356669000	780289000	2702015000	2201939000
8/29/95	187426000	746064000	358478000	782666000	2702015000	2203870000
8/30/95	189709000	747720000	359874000	784395000	2702015000	2205318000
8/31/95	191728000	750296000	362044000	787087000	2702015000	2207573000
TOTAL	58271000	57012000	43117000	48065000	0	49214000

VOLUME OF TREATED WATER (GALLONS) AND FLOW RATE (GALLONS PER MINUTE, GPM)

METER #1	METER #2	TOTAL	GPM	METER #3	METER #4	TOTAL	GPM	METER #5	METER #6	TOTAL	GPM
-	-	-	-	-	-	-	-	-	-	-	-
2042000	2004000	4046000	2810	1285000	2399000	3684000	2558	0	1708000	1708000	1186
2047000	2018000	4065000	2823	1179000	2513000	3692000	2564	0	1716000	1716000	1192
2041000	2009000	4050000	2813	1172000	2499000	3671000	2549	0	1710000	1710000	1188
2658000	2619000	5277000	2837	1587000	3214000	4801000	2581	0	2227000	2227000	1197
1576000	1552000	3128000	2979	904000	1927000	2831000	2696	0	1322000	1322000	1259
2394000	2355000	4749000	2777	1716000	2595000	4311000	2521	0	2005000	2005000	1173
2115000	2084000	4199000	2744	1380000	2459000	3839000	2509	0	1772000	1772000	1158
1924000	1893000	3817000	2827	1229000	2244000	3473000	2573	0	1630000	1630000	1207
2684000	2642000	5326000	2818	1604000	3246000	4850000	2566	0	2228000	2228000	1179
1727000	1700000	3427000	2821	1070000	2054000	3124000	2571	0	1446000	1446000	1190
2153000	2120000	4273000	2820	1367000	2525000	3892000	2569	0	1807000	1807000	1193
1412000	295000	1707000	1459	725000	825000	1550000	1325	0	713000	713000	609
22000	1334000	1356000	1102	1242000	11000	1253000	1019	0	578000	578000	470
2013000	1674000	3687000	2235	1237000	4000	1241000	752	0	1560000	1560000	945
1640000	1570000	3210000	2744	1175000	0	1175000	1004	0	1363000	1363000	1165
2060000	2026000	4086000	2838	1526000	0	1526000	1060	0	1730000	1730000	1201
2093000	2044000	4137000	2758	1614000	0	1614000	1076	0	1750000	1750000	1167
1571000	1537000	3108000	2527	1291000	0	1291000	1050	0	1325000	1325000	1077
1986000	2021000	4007000	2473	1630000	0	1630000	1006	0	1675000	1675000	1034
0	0	0	0	0	0	0	0	0	0	0	0
1022000	828000	1850000	1341	783000	0	783000	567	0	820000	820000	594
2119000	2068000	4187000	2791	1765000	4000	1769000	1179	0	1822000	1822000	1215
1904000	1873000	3777000	2798	1574000	1961000	3535000	2619	0	1641000	1641000	1216
2094000	2059000	4153000	2825	1757000	2119000	3876000	2637	0	1802000	1802000	1226
2009000	1975000	3984000	2826	1686000	2041000	3727000	2643	0	1729000	1729000	1226
1950000	1918000	3868000	2803	1620000	2000000	3620000	2623	0	1676000	1676000	1214
2573000	2530000	5103000	2835	2105000	2672000	4777000	2654	0	2216000	2216000	1231
1872000	1840000	3712000	2812	1519000	1955000	3474000	2632	0	1609000	1609000	1219
2268000	2192000	4460000	2779	1809000	2377000	4186000	2608	0	1931000	1931000	1203
2283000	1656000	3939000	3324	1396000	1729000	3125000	2637	0	1448000	1448000	1222
2019000	2576000	4595000	2470	2170000	2692000	4862000	2614	0	2255000	2255000	1212
58271000	57012000	115283000	2819	43117000	48065000	91182000	2229	0	49214000	49214000	1203

Note: Use Meter 1 and 2 for tracking total system flow volume. Meters 3, 4, 5 and 6 are for process control.

ALLIANT TECHSYSTEMS TGRS EXTRACTION WELL WATER PUMPED
AUGUST, 1995

VOLUME OF WATER PUMPED (GALLONS)

DATE	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5	TOTAL
8/1/95	341200	191600	348900	290300	306300	392700	421300	192400	213500	373500	137400	261500	74000	123200	73900	137000	3878700
8/2/95	341100	191100	350800	289800	309900	397500	425000	193200	214200	377200	136200	266800	72300	124000	72600	136900	3898600
8/3/95	339100	190100	348900	288200	307500	389800	423000	192200	213300	377500	134700	268700	73300	123400	72700	135900	3878300
8/4/95	443100	247400	457700	378100	404100	515700	555600	252400	279900	492700	181600	352000	100100	161100	94400	177100	5093000
8/5/95	162200	140900	255400	209900	221700	279000	298300	139300	152000	268700	99300	189200	46400	93400	55500	102800	2714000
8/6/95	487500	224600	409000	338900	360000	459300	495700	226100	249200	438900	172900	303700	108400	144900	87400	158500	4665000
8/7/95	360900	203200	375200	310800	333800	429300	464100	209300	232600	412600	153100	281600	89300	130200	78500	141800	4206300
8/8/95	318400	178300	328400	271300	288600	373700	396500	181800	200100	351600	138700	242400	79900	116500	68600	126900	3661700
8/9/95	443600	247400	458000	378100	403500	503400	555200	253500	279700	491200	187300	351500	110900	162500	95300	176800	5097900
8/10/95	288100	160100	297900	246000	261800	325300	359700	164800	181100	321000	119900	226800	71800	105300	62100	114700	3306400
8/11/95	355600	197000	368000	303800	325300	400300	445100	203400	225000	398900	148300	276700	88500	129900	75400	141700	4082900
8/12/95	32200	18000	31200	25400	26100	31500	375900	16500	17700	299100	11100	194000	132000	121400	63000	135800	1530900
8/13/95	0	0	0	0	0	0	413100	0	0	323400	0	215700	15200	126900	64400	142600	1301300
8/14/95	360500	201800	379600	317200	319900	406300	130500	197000	223300	440300	125600	75300	149200	148300	81300	164600	3720700
8/15/95	272600	151500	281200	231900	246400	318800	313300	154900	171000	302900	99000	180900	96100	99500	58700	110600	3089300
8/16/95	340100	187300	350800	289100	308200	400300	420900	194300	214300	377200	189800	227000	119500	123500	73900	137000	3953200
8/17/95	343500	187600	349600	290300	306300	393900	422300	193800	213400	377300	162300	257500	79800	124900	74200	139200	3915900
8/18/95	263600	144400	272800	225500	241400	307100	333000	151100	166900	294600	127100	197600	60300	95300	57900	104400	3043000
8/19/95	325100	177200	334000	275300	293100	374700	398600	184000	202300	355200	161600	222500	86100	119900	74100	131600	3715300
8/20/95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8/21/95	100	99300	185900	153300	167200	207100	229500	98500	118000	201800	80500	143600	51000	65800	38900	72000	1912500
8/22/95	329200	192800	363300	299900	319300	413400	436000	201000	222100	395600	173400	250400	114100	131000	78400	140600	4060500
8/23/95	316900	171800	326700	268600	287600	364300	395700	180600	198100	354600	141200	243500	106500	117300	68000	116200	3657600
8/24/95	347300	187700	358300	294300	314800	403600	433400	197900	217800	388400	162400	253600	118500	128700	72100	139600	4018400
8/25/95	332400	179000	342800	281500	301400	386600	414500	189500	208600	373900	158100	238600	112600	123000	69700	133000	3845200
8/26/95	324900	174100	335500	275400	294900	372100	405600	185200	202700	363000	142100	262300	64800	120400	68800	130300	3722100
8/27/95	426500	227500	439800	361000	386600	492400	531400	243100	267000	478800	195500	336900	97200	157900	90900	170700	4903200
8/28/95	309600	164400	319800	262300	281900	359800	387500	176600	194500	350500	143200	244400	76100	114400	65900	123700	3574600
8/29/95	382900	401500	396800	325500	346500	439200	476100	217500	242200	415300	168600	304100	102900	141600	12400	136600	4509700
8/30/95	282400	51700	292500	240000	254700	329900	352600	161300	179000	308200	129800	227800	78500	104300	60200	112800	3165700
8/31/95	438200	134200	452600	371700	394800	503000	544000	248700	274600	478400	190700	348600	110500	161500	97400	155200	4904100
TOTAL	9308800	5223500	9811400	8093400	8613600	10970000	12253400	5399900	5974100	11182300	4171400	7445200	2685800	3740000	2106600	4046600	111026000

ALLIANT TECHSYSTEMS TGRS EXTRACTION WELL WATER PUMPED
AUGUST, 1995

METER READINGS (GALLONS)

DATE	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5
7/31/95	53385600	98848800	9446000	36872500	63846400	83612000	34429800	56784800	56128300	31045900	39284900	37370800	76189000	42143700	51801500	10807800
8/1/95	53726800	99040400	9794900	37162800	64152700	84004700	34851100	56977200	56341800	31419400	39422300	37632300	76263000	42266900	51875400	10944800
8/2/95	54067900	99231500	10145700	37452600	64462600	84402200	35276100	57170400	56556000	31796600	39558500	37899100	76335300	42390900	51948000	11081700
8/3/95	54407000	99421600	10494600	37740800	64770100	84792000	35699100	57362600	56769300	32174100	39693200	38167800	76408600	42514300	52020700	11217600
8/4/95	54850100	99669000	10952300	38118900	65174200	85307700	36254700	57615000	57049200	32666800	39874800	38519800	76508700	42675400	52115100	11394700
8/5/95	55012300	99809900	11207700	38328800	65395900	85586700	36553000	57754300	57201200	32935500	39974100	38709000	76555100	42768800	52170600	11497500
8/6/95	55499800	100034500	11616700	38667700	65755900	86046000	37048700	57980400	57450400	33374400	40147000	39012700	76663500	42913700	52258000	11656000
8/7/95	55860700	100237700	11991900	38978500	66089700	86475300	37512800	58189700	57683000	33787000	40300100	39294300	76752800	43043900	52336500	11797800
8/8/95	56179100	100416000	12320300	39249800	66378300	86849000	37909300	58371500	57883100	34138600	40438800	39536700	76832700	43160400	52405100	11924700
8/9/95	56622700	100663400	12778300	39627900	66781800	87352400	38464500	58625000	58162800	34629800	40626100	39888200	76943600	43322900	52500400	12101500
8/10/95	56910800	100823500	13076200	39873900	67043600	87677700	38824200	58789800	58343900	34950800	40746000	40115000	77015400	43428200	52562500	12216200
8/11/95	57266400	101020500	13444200	40177700	67368900	88078000	39269300	58993200	58568900	35349700	40894300	40391700	77103900	43558100	52637900	12357900
8/12/95	57298600	101038500	13475400	40203100	67395000	88109500	39645200	59009700	58586600	35648800	40905400	40585700	77235900	43679500	52700900	12493700
8/13/95	57298600	101038500	13475400	40203100	67395000	88109500	40058300	59009700	58586600	35972200	40905400	40801400	77251100	43806400	52765300	12636300
8/14/95	57659100	101240300	13855000	40520300	67714900	88515800	40188800	59206700	58809900	36412500	41031000	40876700	77400300	43954700	52846600	12800900
8/15/95	57931700	101391800	14136200	40752200	67961300	88834600	40502100	59361600	58980900	36715400	83638200	41057600	77496400	44054200	52905300	12911500
8/16/95	58271800	101579100	14487000	41041300	68269500	89234900	40923000	59555900	59195200	37092600	83828000	41284600	77615900	44177700	52979200	13048500
8/17/95	58615300	101766700	14836600	41331600	68575800	89628800	41345300	59749700	59408600	37469900	83990300	41542100	77695700	44302600	53053400	13187700
8/18/95	58878900	101911100	15109400	41557100	68817200	89935900	41678300	59900800	59575500	37764500	84117400	41739700	77756000	44397900	53111300	13292100
8/19/95	59204000	102088300	15443400	41832400	69110300	90310600	42076900	60084800	59777800	38119700	84279000	41962200	77842100	44517800	53185400	13423700
8/20/95	59204000	102088300	15443400	41832400	69110300	90310600	42076900	60084800	59777800	38119700	84279000	41962200	77842100	44517800	53185400	13423700
8/21/95	59204100	102187600	15629300	41985700	69277500	90517700	42306400	60183300	59895800	38321500	84359500	42105800	77893100	44583600	53224300	13495700
8/22/95	59533300	102380400	15992600	42285600	69596800	90931100	42742400	60384300	60117900	38717100	84532900	42356200	78007200	44714600	53302700	13636300
8/23/95	59850200	102552200	16319300	42554200	69884400	91295400	43138100	60564900	60316000	39071700	84674100	42599700	78113700	44831900	53370700	13752500
8/24/95	60197500	102739900	16677600	42848500	70199200	91699000	43571500	60762800	60533800	39460100	84836500	42853300	78232200	44960600	53442800	13892100
8/25/95	60529900	102918900	17020400	43130000	70500600	92085600	43986000	60952300	60742400	39834000	84994600	43091900	78344800	45083600	53512500	14025100
8/26/95	60854800	103093000	17355900	43405400	70795500	92457700	44391600	61137500	60945100	40197000	85136700	43354200	78409600	45204000	53581300	14155400
8/27/95	61281300	103320500	17795700	43766400	71182100	92950100	44923000	61380600	61212100	40675800	85332200	43691100	78506800	45361900	53672200	14326100
8/28/95	61590900	103484900	18115500	44028700	71464000	93309900	45310500	61557200	61406600	41026300	85475400	43935500	78582900	45476300	53738100	14449800
8/29/95	61973800	103886400	18512300	44354200	71810500	93749100	45786600	61774700	61648800	41441600	85644000	44239600	78685800	45617900	53750500	14586400
8/30/95	62256200	103938100	18804800	44594200	72065200	94079000	46139200	61936000	61827800	41749800	85773800	44467400	78764300	45722200	53810700	14699200
8/31/95	62694400	104072300	19257400	44965900	72460000	94582000	46683200	62184700	62102400	42228200	85964500	44816000	78874800	45883700	53908100	14854400

ALLIANT TECHSYSTEMS TGRS TREATMENT CENTER WATER METER READING LOG
SEPTEMBER, 1995

METER READINGS (GALLONS)

DATE	METER #1	METER #2	METER #3	METER #4	METER #5	METER #6
8/31/95	191728000	750296000	362044000	787087000	2702015000	2207573000
9/1/95	193208000	751753000	363273000	788608000	2702015000	2208848000
9/2/95	195042000	753558000	364779000	790505000	2702015000	2210428000
9/3/95	197286000	755765000	366648000	792807000	2702015000	2212360000
9/4/95	199278000	757723000	368304000	794852000	2702015000	2214073000
9/5/95	201270000	759682000	369961000	796897000	2702015000	2215786000
9/6/95	203728000	762087000	371999000	799411000	2702015000	2217898000
9/7/95	205221000	763538000	373240000	800924000	2702015000	2219177000
9/8/95	207456000	765716000	375095000	803196000	2702015000	2221093000
9/9/95	209544000	767730000	376823000	805311000	2702015000	2222875000
9/10/95	211601000	769735000	378528000	807411000	2702015000	2224641000
9/11/95	213654000	771731000	380205000	809535000	2702015000	2226401000
9/12/95	215373000	773401000	381645000	811271000	2702015000	2227876000
9/13/95	217426000	775400000	383335000	813376000	2702015000	2229637000
9/14/95	219634000	777533000	385148000	815626000	2702015000	2231528000
9/15/95	221781000	779610000	386892000	817845000	2702015000	2233365000
9/16/95	223798000	781565000	388524000	819930000	2702015000	2235095000
9/17/95	226369000	784035000	390606000	822570000	2702015000	2237291000
9/18/95	227764000	785354000	391747000	823982000	2702015000	2238474000
9/19/95	229705000	786866000	393360000	825599000	2702015000	2239980000
9/20/95	231689000	788670000	394857000	827652000	2702015000	2241638000
9/21/95	233554000	790497000	396388000	829588000	2702015000	2243243000
9/22/95	235675000	792579000	398145000	831765000	2702015000	2245079000
9/23/95	238128000	794978000	400206000	834247000	2702015000	2247196000
9/24/95	239676000	796498000	401504000	835828000	2702015000	2248534000
9/25/95	241868000	798627000	401504000	835828000	2702015000	2248534000
9/26/95	244397000	801307000	405375000	840905000	2702015000	2252695000
9/27/95	246040000	802928000	406766000	842569000	2702015000	2254121000
9/28/95	247733000	804600000	408193000	844301000	2702015000	2255592000
9/29/95	249751000	806586000	409872000	846389000	2702015000	2257344000
9/30/95	251708000	808498000	411491000	848397000	2702015000	2259037000
TOTAL	59980000	58202000	49447000	61310000	0	51464000

VOLUME OF TREATED WATER (GALLONS) AND FLOW RATE (GALLONS PER MINUTE, GPM)

METER #1	METER #2	TOTAL	GPM	METER #3	METER #4	TOTAL	GPM	METER #5	METER #6	TOTAL	GPM
-	-	-	-	-	-	-	-	-	-	-	-
1480000	1457000	2937000	2797	1229000	1521000	2750000	2619	0	1275000	1275000	1214
1834000	1805000	3639000	2821	1506000	1897000	3403000	2638	0	1580000	1580000	1225
2244000	2207000	4451000	2799	1869000	2302000	4171000	2623	0	1932000	1932000	1215
1992000	1958000	3950000	2801	1656000	2045000	3701000	2625	0	1713000	1713000	1215
1992000	1959000	3951000	2802	1657000	2045000	3702000	2626	0	1713000	1713000	1215
2458000	2405000	4863000	2795	2038000	2514000	4552000	2616	0	2112000	2112000	1214
1493000	1451000	2944000	2804	1241000	1513000	2754000	2623	0	1279000	1279000	1218
2235000	2178000	4413000	2775	1855000	2272000	4127000	2596	0	1916000	1916000	1205
2088000	2014000	4102000	2909	1728000	2115000	3843000	2726	0	1782000	1782000	1264
2057000	2005000	4062000	2763	1705000	2100000	3805000	2588	0	1766000	1766000	1201
2053000	1996000	4049000	2699	1677000	2124000	3801000	2534	0	1760000	1760000	1173
1719000	1670000	3389000	2789	1440000	1736000	3176000	2614	0	1475000	1475000	1214
2053000	1999000	4052000	2785	1690000	2105000	3795000	2608	0	1761000	1761000	1210
2208000	2133000	4341000	2783	1813000	2250000	4063000	2604	0	1891000	1891000	1212
2147000	2077000	4224000	2761	1744000	2219000	3963000	2590	0	1837000	1837000	1201
2017000	1955000	3972000	2817	1632000	2085000	3717000	2636	0	1730000	1730000	1227
2571000	2470000	5041000	2755	2082000	2640000	4722000	2580	0	2196000	2196000	1200
1395000	1319000	2714000	2741	1141000	1412000	2553000	2579	0	1183000	1183000	1195
1941000	1512000	3453000	2502	1613000	1617000	3230000	2341	0	1506000	1506000	1091
1984000	1804000	3788000	2577	1497000	2053000	3550000	2415	0	1658000	1658000	1128
1865000	1827000	3692000	2797	1531000	1936000	3467000	2627	0	1605000	1605000	1216
2121000	2082000	4203000	2802	1757000	2177000	3934000	2623	0	1836000	1836000	1224
2453000	2399000	4852000	2941	2061000	2482000	4543000	2753	0	2117000	2117000	1283
1548000	1520000	3068000	2764	1298000	1581000	2879000	2594	0	1338000	1338000	1205
2192000	2129000	4321000	2667	0	0	0	0	0	0	0	0
2529000	2680000	5209000	2671	3871000	5077000	8948000	4589	0	4161000	4161000	2134
1643000	1621000	3264000	2790	1391000	1664000	3055000	2611	0	1426000	1426000	1219
1693000	1672000	3365000	2804	1427000	1732000	3159000	2633	0	1471000	1471000	1226
2018000	1986000	4004000	2781	1679000	2088000	3767000	2616	0	1752000	1752000	1217
1957000	1912000	3869000	2804	1619000	2008000	3627000	2628	0	1693000	1693000	1227
59980000	58202000	118182000	2783	49447000	61310000	110757000	2608	0	51464000	51464000	1212

Note: Use Meter 1 and 2 for tracking total system flow volume. Meters 3, 4, 5 and 6 are for process control.

ALLIANT TECHSYSTEMS TGRS EXTRACTION WELL WATER PUMPED
SEPTEMBER, 1995

VOLUME OF WATER PUMPED (GALLONS)

DATE	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5	TOTAL
9/1/95	247800	132400	255600	210300	223000	274800	306500	140000	154700	268000	104300	194300	59700	91000	55500	98000	2815900
9/2/95	307000	162700	317600	260600	277100	352100	381800	174000	192300	335000	127000	237800	72100	113000	67800	122400	3500300
9/3/95	374700	198000	387700	317800	338800	430100	465400	212400	234500	412200	157200	296800	86500	137800	82600	148600	4281100
9/4/95	334200	177600	344000	283400	298900	383500	413100	188900	205900	363700	142400	266500	74700	124000	70500	131100	3802400
9/5/95	334000	173200	348300	284300	306600	383900	417600	189400	213000	364900	129400	250500	71800	121200	76400	133400	3797900
9/6/95	413000	215700	428800	351800	375700	475000	514600	233400	259600	452600	171000	315100	84100	150900	90900	163700	4695900
9/7/95	249100	130100	258000	211500	225200	283500	308700	139900	154200	274400	95200	188600	51100	91000	55100	98100	2813700
9/8/95	374300	195200	388500	318600	339800	424700	466000	210800	230200	414800	162700	283700	74300	136500	81700	148200	4250000
9/9/95	342100	177300	352000	288200	305300	376300	413400	189000	205600	363600	141100	250100	67700	126100	74700	137200	3809700
9/10/95	344700	178900	357800	293400	312900	394100	428900	193900	212700	381200	145200	260500	69700	125100	77700	136500	3913200
9/11/95	352600	182700	368300	302300	324200	414400	448000	200200	225100	397800	144000	272900	68400	126300	75400	138200	4040800
9/12/95	289600	149000	302100	247000	264400	336700	364400	163500	184000	319600	118700	221600	57200	104400	63200	114000	3299400
9/13/95	342700	177100	354200	289900	309900	394400	424400	191900	214500	375800	142500	256100	66700	124000	74000	135900	3874000
9/14/95	367800	188700	383200	315100	334900	426400	457500	206500	232000	402700	153700	275200	69100	133100	79700	145900	4171500
9/15/95	358500	183700	372600	304900	325500	413700	443800	201300	225500	393800	147000	266600	66800	129300	79900	141900	4054800
9/16/95	340500	173900	351500	287200	304900	383300	412700	190400	211100	364400	145300	248600	69000	124200	77400	136300	3820700
9/17/95	428200	223300	446500	366000	384300	495900	532500	243400	270800	468400	175700	320200	83500	152000	93100	167300	4851100
9/18/95	198000	97200	245600	201400	222900	256200	289000	134100	151500	274000	116700	186500	46000	84300	51300	93000	2647700
9/19/95	0	0	346800	298400	300500	376200	426900	184000	215800	360000	148800	253200	71000	122100	70500	135300	3309500
9/20/95	293200	148800	336900	291100	285200	383100	394500	181500	207400	354500	162700	227200	97400	122400	74300	136200	3696400
9/21/95	312000	161200	321000	263400	281700	356100	386200	175600	195400	337800	131200	247100	101900	120400	70400	123700	3585100
9/22/95	355000	183400	368600	300600	323700	407700	441300	200100	223300	385200	147600	275400	118000	138300	78300	140600	4087100
9/23/95	400500	205100	410900	334500	357800	463400	482400	221700	246300	420500	164500	297900	74500	158800	91100	160900	4490800
9/24/95	258300	133400	270400	220100	237200	306200	322800	148000	163700	285900	121500	198000	48400	100800	57200	102500	2974400
9/25/95	377200	194100	391300	321600	345600	439600	480600	215100	240900	415600	158000	308400	40300	143100	81800	147000	4300200
9/26/95	470100	237900	459700	375600	403700	501700	549600	249400	278800	477200	187500	339800	52500	171000	98100	174700	5027300
9/27/95	272700	140500	282100	231100	246600	319900	338300	154600	171600	294000	122900	216700	32100	111700	63000	108600	3106400
9/28/95	283800	145700	294900	240700	258100	334500	355100	161500	180000	308700	128100	220200	36900	115900	65200	112400	3241700
9/29/95	339000	174000	352500	287900	308500	382800	424000	192900	215400	371100	157000	262400	42600	138600	77100	134300	3860100
9/30/95	327000	168100	341100	265200	297500	387900	408100	185800	207800	358300	140100	260600	70900	132800	67000	129400	3747600
TOTAL	9687600	5008900	10438500	8563900	9120400	11558100	12498100	5673200	6323600	10995700	4289000	7698500	2024900	3770100	2220900	3995300	113866700

ALLIANT TECHSYSTEMS TGRS EXTRACTION WELL WATER PUMPED
SEPTEMBER, 1995

METER READINGS (GALLONS)

DATE	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	SC2	SC3	SC4	SC5
8/31/95	62694400	104072300	19257400	44965900	72460000	94582000	46683200	62184700	62102400	42228200	85964500	44816000	78874800	45883700	53908100	14854400
9/1/95	62942200	104204700	19513000	45176200	72683000	94856800	46989700	62324700	62257100	42496200	86068800	45010300	78934500	45974700	53963600	14952400
9/2/95	63249200	104367400	19830600	45436800	72960100	95208900	47371500	62498700	62449400	42831200	86195800	45248100	79006600	46087700	54031400	15074800
9/3/95	63623900	104565400	20218300	45754600	73298900	95639000	47836900	62711100	62683900	43243400	86353000	45544900	79093100	46225500	54114000	15223400
9/4/95	63958100	104743000	20562300	46038000	73597800	96022500	48250000	62900000	62889800	43607100	86495400	45811400	79167800	46349500	54184500	15354500
9/5/95	64292100	104916200	20910600	46322300	73904400	96406400	48667600	63089400	63102800	43972000	86624800	46061900	79239600	46470700	54260900	15487900
9/6/95	64705100	105131900	21339400	46674100	74280100	96881400	49182200	63322800	63362400	44424600	86795800	46377000	79323700	46621600	54351800	15651600
9/7/95	64954200	105262000	21597400	46885600	74505300	97164900	49490900	63462700	63516600	44699000	86891000	46565600	79374800	46712600	54406900	15749700
9/8/95	65328500	105457200	21985900	47204200	74845100	97589600	49956900	63673500	63746800	45113800	87053700	46849300	79449100	46849100	54488600	15897900
9/9/95	65670600	105634500	22337900	47492400	75150400	97965900	50370300	63862500	63952400	45477400	87194800	47099400	79516800	46975200	54563300	16035100
9/10/95	66015300	105813400	22695700	47785800	75463300	98360000	50799200	64056400	64165100	45858600	87340000	47359900	79586500	47100300	54641000	16171600
9/11/95	66367900	105996100	23064000	48088100	75787500	98774400	51247200	64256600	64390200	46256400	87484000	47632800	79654900	47226600	54716400	16309800
9/12/95	66657500	106145100	23366100	48335100	76051900	99111100	51611600	64420100	64574200	46576000	87602700	47854400	79712100	47331000	54779600	16423800
9/13/95	67000200	106322200	23720300	48625000	76361800	99505500	52036000	64612000	64788700	46951800	87745200	48110500	79778800	47455000	54853600	16559700
9/14/95	67368000	106510900	24103500	48940100	76696700	99931900	52493500	64818500	65020700	47354500	87898900	48385700	79847900	47588100	54933300	16705600
9/15/95	67726500	106694600	24476100	49245000	77022200	100345600	52937300	65019800	65246200	47748300	88045900	48652300	79914700	47717400	55013200	16847500
9/16/95	68067000	106868500	24827600	49532200	77327100	100728900	53350000	65210200	65457300	48112700	88191200	48900900	79983700	47841600	55090600	16983800
9/17/95	68495200	107091800	25274100	49898200	77711400	101224800	53882500	65453600	65728100	48581100	88366900	49221100	80067200	47993600	55183700	17151100
9/18/95	68693200	107189000	25519700	50099600	77934300	101481000	54171500	65587700	65879600	48855100	88483600	49407600	80113200	48077900	55235000	17244100
9/19/95	68693200	107189000	25866500	50398000	78234800	101857200	54598400	65771700	66095400	49215100	88632400	49660800	80184200	48200000	55305500	17379400
9/20/95	68986400	107337800	26203400	50689100	78520000	102240300	54992900	65953200	66302800	49569600	88795100	49888000	80281600	48322400	55379800	17515600
9/21/95	69298400	107499000	26524400	50952500	78801700	102596400	55379100	66128800	66498200	49907400	88926300	50135100	80383500	48442800	55450200	17639300
9/22/95	69653400	107682400	26893000	51253100	79125400	103004100	55820400	66328900	66721500	50292600	89073900	50410500	80501500	48581100	55528500	17779900
9/23/95	70053900	107887500	27303900	51587600	79483200	103467500	56302800	66550600	66967800	50713100	89238400	50708400	80576000	48739900	55619600	17940800
9/24/95	70312200	108020900	27574300	51807700	79720400	103773700	56625600	66698600	67131500	50999000	89359900	50906400	80624400	48840700	55676800	18043300
9/25/95	70689400	108215000	27965600	52129300	80066000	104213300	57106200	66913700	67372400	51414600	89517900	51214800	80664700	48983800	55758600	18190300
9/26/95	71159500	108452900	28425300	52504900	80469700	104715000	57655800	67163100	67651200	51891800	89705400	51554600	80717200	49154800	55856700	18365000
9/27/95	71432200	108593400	28707400	52736000	80716300	105034900	57994100	67317700	67822800	52185800	89828300	51771300	80749300	49266500	55919700	18473600
9/28/95	71716000	108739100	29002300	52976700	80974400	105369400	58349200	67479200	68002800	52494500	89956400	51991500	80786200	49382400	55984900	18586000
9/29/95	72055000	108913100	29354800	53264600	81282900	105752200	58773200	67672100	68218200	52865600	90113400	52253900	80828800	49521000	56062000	18720300
9/30/95	72382000	109081200	29695900	53529800	81580400	106140100	59181300	67857900	68426000	53223900	90253500	52514500	80899700	49653800	56129000	18849700

Appendix H.2

FY 1995 TGRS Inspection and Maintenance Activities

APPENDIX H.2

FY 1995 TGRS INSPECTION AND MAINTENANCE ACTIVITIES

Notes: October 1994

10/5/94, Pumphouse B2, Animal droppings were noticed in the corner of the building during the daily inspection. Down Time: None.

10/6/94, Treatment Center, Flow meter #6 in treatment center is inoperative. The impeller on the transducer has worn out so the totalizer will not record flow rate. Down Time: None.

10/7/94, TGRS, The TGRS was shut down from 12:20 pm until 3:20 pm while isolating forcemain water running to SC-1. Down Time: 3.0 hours.

10/10/94, TGRS, The TGRS was shut down repairs to TCAAP raw water loop. Down Time: 5.0 hours.

10/14-15/94, Pumphouse B4, The pump and motor have separated from riser pipes. Bergerson-Caswell Inc. on-Site to pull pump by its wire and to replace broken section of riser pipe. Down Time: 76.0 hours.

10/16/94, Treatment Center, Flow meter #6 in treatment center repaired. Down Time: 0.5 hours.

10/18/94, Treatment Center, The air release valve for wet well pump #4 started leaking on 10/17 and was replaced on 10/18. Down Time: None.

10/26/94, Treatment Center, Air Stripping Tower No. 2 blower belt replaced. Down Time: None.

Notes: November 1994

11/1-30/94, Treatment Center, Flow meter No. 6 transducer is not functioning. No system down time.

11/3/94, Treatment Center, The potable water meter for electric check valve Nos. 1 & 2 is 830110. Down Time: None.

11/3/94, Pumphouse SC2, The submersible motor and pump were replaced. Down Time: 11.0 hours.

11/3/94, Pumphouse SC4, The submersible motor and pump were replaced. Down Time: 8.75 hours.

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FY 1995 TGRS INSPECTION AND MAINTENANCE ACTIVITIES

11/4/94, Pumphouse SC4, The flow rate was increased by adjusting the electric check valve, reducing back pressure from 79 p.s.i, to 74 p.s.i. Down Time: None.

11/7/94, All Pumphouses, Install door vent and exhaust fan covers, turn off circuit breakers for exhaust fans, and verify operation of electric heaters. Down Time: None.

11/24/94, TGRS, Thanksgiving Holiday meter readings are estimates based on 11/23 and 11/25 meter readings. Down Time: None.

11/28/94, Pumphouse B1, The pumphouse door is locked. The meter readings for 11/28 are estimates based on 11/27 and 11/29 meter readings. Down Time: None.

Notes: December 1994

12/1-31/94, Treatment Center, Flow meter No.6 transducer failed. Repairs forthcoming. This meter is typically used for process measurement only. Down Time: NA.

12/14/94, Pumphouse B10, The submersible pump and motor were replaced. The TCAAP electrical service to boundary wells turned "off" during repairs. System turned off beginning at 8:00 a.m. and restarted at 5:30 p.m. Down Time: 9.5 hours.

12/25/94, TGRS, Readings are estimated based on 12/24/94 and 12/26/94 due to the Christmas Holiday. Down Time: None.

12/28/94, Treatment Center, Autodialer is activated. The heaters (a type of fusing) for wet well pump No.2 were tripped. They were reset and the pump was restarted. Down Time: 1.25 hours.

Notes: January 1995

1/1/95, Flow rates were estimated based on 12/31/94 and 1/2/95 readings due to the New Year Holiday.

1/11/95, Treatment Center, Wet wells #1 and #4 would not cycle when commanded to do so. Maintenance was scheduled. Down Time: None.

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FY 1995 TGRS INSPECTION AND MAINTENANCE ACTIVITIES

1/14/95, Treatemnt Center, Wet well pump #4 does not shut down when directed to do so by pump director unit. The three-way solenoid valve was replaced. Down Time: None.

1/18/95, Treatment Center, Electric check valve #4 closed without command. The valve was reset and locked in open position. Down Time: 7.0 hours.

1/27/95, Pumphouse B2, The submersible pump and motor were replaced. Down Time: 8.0 hours.

1/30/95, Pumphouse B10, The well head was replaced with a pitless style well head. Down Time: 7.0 hours.

1/30/95, Pumphouses B7, B10 & B12, The electrical service to pumphouses B7, B10 and B12 was disconnected to allow repairs to be performed at pumphouse B10. Down Time: 7.0 hours.

1/31/95, Pumphouse B2, The control section of the electric check valve was cleaned and worn components replaced. Down Time: 4.0 hours.

Notes: February 1995

2/7 & 8/95, Pumphouse SC2, The flow meter became stuck and was cleaned. Down Time: None.

2/10/95, Pumphouses B3 & B4, The pumphouses would not operate in the automatic mode and were switched to the manual operating mode. A contractor was called to inspect the data cable. Down time: 19.25 hours.

2/11/95, Pumphouses B3 & B4, The pumphouses were shut down to allow trouble shooting of the data cable. The contractor is on-Site troubleshooting the data cable. Down Time: 7.25 hours.

2/12/95, Pumphouses B5 & B6, The pumphouses would not operate in the automatic mode and were switched to manual operating mode. The contractor was on-Site inspecting the data cable. Down time: 10.0 hours.

2/13/95, Pumphouses B1 & B2, The data cable failed and the pumphouses were switched to the manual mode of operation. Down Time: 9.5 hours .

APPENDIX H.2

FY 1995 TGRS INSPECTION AND MAINTENANCE ACTIVITIES

2/16/95, Treatment Center, The motor for wet well pump no. 3 failed. A contractor was scheduled to replace the motor. Down Time: 15.0 hours.

2/16 & 17/95, Pumphouses B5, B9, B10, B12, The pumphouses were shut down to accommodate the reduction in treatment center capacity. Down Time: 15.0 hours.

2/16 & 17/95, Pumphouse B7, The pumphouse was shut down to accomodate the reduction in treatment center capacity. Down Time: 7.5 hours.

Notes: March 1995

3/22/95, TGRS, Meter readings are estimated using meter readings from 3/21 and 3/23/1995. Down Time: None.

3/24/95, Pumphouse SC3, Installed 120 feet of one-inch PVC pipe into well for use in water level measurement. Down Time: None.

3/30/95, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9 and B11, The pumphouses were shut down to allow modifications to the TCAAP electrical system. Down Time: 1.5 hours.

Notes: April 1995

4/1/95, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9, and B11, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 6.0 hours.

4/2/95, Pumphouses B2, B3, B5, B6, B8, B9, and B10, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 2.0 hours.

4/4/95, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9, SC2, SC3, SC4 and SC5, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 3.75 hours.

4/5/95, Pumphouses B1, B2, B3, B4, B5, B6, B7, B8, B9, B10, B11, B12, SC2, SC3, SC4 and SC5, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 7.5 hours.

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FY 1995 TGRS INSPECTION AND MAINTENANCE ACTIVITIES

4/5/95, Pumphouse B1, One of the 480 VAC fuses failed and was replaced. Down Time: 17.0 hours.

4/6/95, Pumphouses B1, B2, B3, B5, B6, B7, B8, B9, B10, B11, and B12, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 2.0 hours.

4/7/95, Pumphouses B1, B2, B3, B5, B6, B7, B8, B9, B10, B11, and B12, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 7.0 hours.

4/8/95, Pumphouses B10 and B12, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 2.25 hours.

4/12/95, Pumphouse B10, The pumphouse door is rubbing on the threshold and requires repair. Down Time: None.

4/16/95, TGRS, Meter readings are estimated due to Easter Sunday holiday. Down Time: None.

4/19 & 20/95, Pumphouse B3, Overhead service to the pumphouse failed and was repaired. Down Time: 51.0 hours.

Notes: May 1995

5/2/95, Forcemain, Altitude Chamber, The pilot valve was cleaned and rebuilt. Down Time: None.

5/10/95, Pumhouse B3, The electric check valve closed without command and the well was down. Down Time: 15.0 hours.

5/17/95, TGRS, The system was shut down to allow cleaning and inspection of the air metering station for AST No. 4. Down Time: 2.5 hours.

5/23/95, TGRS, As part of annual preventive maintenance, treatment center meter No.1 was replaced with a meter from inventory, meter No. 2 was replaced with former meter No. 1, meter Nos. 3 and 4 were interchanged. Down Time: 5.0 hours.

APPENDIX H.2

FY 1995 TGRS INSPECTION AND MAINTENANCE ACTIVITIES

Notes: June 1995

6/1/95, Pumphouse SC2, The submersible pump and motor were replaced. Down Time: 6.0 hours.

6/19/95, TGRS, The TGRS was shut down and restarted to observe the effect on the flow of water in the Mounds View road east drainage ditch, south of Bldg. 116. The water level in the ditch may have decreased slightly after system shut down. FCC then tested the potable water main in a similar fashion. The water level did not change during the potable water main test. Down Time: 8.0 hours.

6/20-23/95, TGRS, The TGRS was operated as necessary to locate the forcemain leak. The leak was repaired and the system restarted. Down Time: 50.0 hours.

6/30/95, Pumphouse SC5, The pumphouse flow meter was not functioning. The meter measuring chamber assembly was replaced on July 3, 1995. Down Time: None.

Notes: July 1995

7/1,2/95, Pumphouse B3, The flow meter failed and was replaced. Down Time: None.

7/13-15/95, Pumphouse B3, The flow meter clogged and was cleaned. Down Time: None.

7/27/95, Pumphouse B12, The pumphouse cycled due to reduced capacity of the treatment center. Capacity was restored and the well operated acceptably. Down Time: 17.0 hours.

Notes: August 1995

8/12/95, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9, B11, Electrical service was down over parts of the site because of storm damage. Down Time: 17.0 hours.

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FY 1995 TGRS INSPECTION AND MAINTENANCE ACTIVITIES

8/13/95, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9, B11, SC2, Electrical service was down over parts of the site because of storm damage. Down Time: B1, B2, B3, B4, B5, B6, B8, B9, B11=20.5, SC2 16.0 hours.

8/14/95, Pumphouses B7, B12, Electrical service to the pumphouses was down due to storm damage. Down Time: 17.0 hours.

8/15/95, Pumphouses B11, Flowmeter was found to damaged and was changed out, Down Time: 0.5 hours.

8/17/95, Treatment Center, E.C.V. No. 4 was repaired and the system was shut down during repairs, Down time: 3.0 hours.

8/17/95, Treatment Center, 4 - 3" Neptune and 1 Rockwell meter were sent to Munitech Inc. for repairs and calibration. Down Time: None.

8/19 & 8/20/95, Treatment Center, The treatment center was down due to FCC / TCAAP sub-station electrical repairs, System Down Time: 40.0 hours.

8/21/95, Pumphouse B-1, The A-B power module had a faulty electrical connection which was repaired.. Down Time: 11.0 hours

8/22/95, Treatment Center, Flow meter No.4 failed and was removed, examined and found faulty, so a rebuilt meter was installed and the same flowmeter totalizer was reused, Down Time: 0.5 hours.

8/29/95, Pumphouse SC-4, The pumphouse was down due to a faulty computer control card which was repaired, Down Time: 0.5 Hour.

Notes: September 1995

9/3/95, TGRS, Meter readings are estimated as daily inspection not perfromed on Labor Day holiday. Down Time: None.

9/19/95, Pumphouses B1 & B2, Pumphouses down due to severed data cable. Data cable inspected and found to be damaged during excavation. Pumphouses operated in "Hand" mode until data cable repaired. Down Time: 25.5 hours.

Appendix H.3

1995 TGRS Events

APPENDIX H.3

1995 TGRS EVENTS

B1	*B2*	*B3*	*B4*
11/7/94, All Pumphouses, Install door vent and exhaust fan covers, turn off circuit breakers for exhaust fans, and verify operation of electric heaters. Down Time: None.	10/5/94, Pumphouse B2, Animal droppings were noticed in the corner of the building during the daily inspection. Down Time: None.	11/7/94, All Pumphouses, Install door vent and exhaust fan covers, turn off circuit breakers for exhaust fans, and verify operation of electric heaters. Down Time: None.	10/14-15/94, Pumphouse B4, The pump and motor have separated from riser pipes. Bergerson-Caswell Inc. on-Site to pull pump by its wire and to replace broken section of riser pipe. Down Time: 76.0 hours.
11/28/94, Pumphouse B1, The pumphouse door is locked. The meter readings for 11/28 are estimates based on 11/27 and 11/29 meter readings. Down Time: None.	11/7/94, All Pumphouses, Install door vent and exhaust fan covers, turn off circuit breakers for exhaust fans, and verify operation of electric heaters. Down Time: None.	1/1/95, Flow rates were estimated based on 12/31/94 and 1/2/95 readings due to the New Year Holiday.	11/7/94, All Pumphouses, Install door vent and exhaust fan covers, turn off circuit breakers for exhaust fans, and verify operation of electric heaters. Down Time: None.
1/1/95, Flow rates were estimated based on 12/31/94 and 1/2/95 readings due to the New Year Holiday.	1/1/95, Flow rates were estimated based on 12/31/94 and 1/2/95 readings due to the New Year Holiday.	2/10/95, Pumphouses B3 & B4, The pumphouses would not operate in the automatic mode and were switched to the manual operating mode. A contractor was called to inspect the data cable. Down Time: 19.25 hours.	1/1/95, Flow rates were estimated based on 12/31/94 and 1/2/95 readings due to the New Year Holiday.
2/13/95, Pumphouses B1 & B2, The data cable failed and the pumphouses were switched to the manual mode of operation. Down Time: 9.5 hours. .	1/27/95, Pumphouse B2, The submersible pump and motor were replaced. Down Time: 8.0 hours.	2/11/95, Pumphouses B3 & B4, The pumphouses were shut down to allow trouble shooting of the data cable. The contractor is on-Site trougbleshooting the data cable. Down Time: 7.25 hours.	2/10/95, Pumphouses B3 & B4, The pumphouses would not operate in the automatic mode and were switched to the manual operating mode. A contractor was called to inspect the data cable. Down Time: 19.25 hours.

APPENDIX H.3

1995 TGRS EVENTS

B1	*B2*	*B3*	*B4*
3/30/95, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9 and B11, The pumphouses were shut down to allow modifications to the TCAAP electrical system. Down Time: 1.5 hours.	1/31/95, Pumphouse B2, The control section of the electric check valve was cleaned and worn components replaced. Down Time: 4.0 hours.	3/30/95, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9 and B11, The pumphouses were shut down to allow modifications to the TCAAP electrical system. Down Time: 1.5 hours.	2/11/95, Pumphouses B3 & B4, The pumphouses were shut down to allow trouble shooting of the data cable. The contractor is on-Site trougbleshooting the data cable. Down Time: 7.25 hours.
4/1/95, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9, and B11, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 6.0 hours.	2/13/95, Pumphouses B1 & B2, The data cable failed and the pumphouses were switched to the manual mode of operation. Down Time: 9.5 hours. .	4/1/95, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9, and B11, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 6.0 hours.	3/30/95, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9 and B11, The pumphouses were shut down to allow modifications to the TCAAP electrical system. Down Time: 1.5 hours.
4/4/95, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9, SC2, SC3, SC4 and SC5, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 3.75 hours.	3/30/95, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9 and B11, The pumphouses were shut down to allow modifications to the TCAAP electrical system. Down Time: 1.5 hours.	4/2/95, Pumphouses B2, B3, B5, B6, B8, B9, and B10, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 2.0 hours.	4/1/95, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9, and B11, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 6.0 hours.
4/5/95, Pumphouses B1, B2, B3, B4, B5, B6, B7, B8, B9, B10, B11, B12, SC2, SC3, SC4 and SC5, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 7.5 hours.	4/1/95, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9, and B11, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 6.0 hours.	4/4/95, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9, SC2, SC3, SC4 and SC5, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 3.75 hours.	4/4/95, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9, SC2, SC3, SC4 and SC5, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 3.75 hours.
4/5/95, Pumphouse B1, One of the 480 VAC fuses failed and was replaced. Down Time: 17.0 hours.	4/2/95, Pumphouses B2, B3, B5, B6, B8, B9, and B10, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 2.0 hours.	4/5/95, Pumphouses B1, B2, B3, B4, B5, B6, B7, B8, B9, B10, B11, B12, SC2, SC3, SC4 and SC5, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 7.5 hours.	4/5/95, Pumphouses B1, B2, B3, B4, B5, B6, B7, B8, B9, B10, B11, B12, SC2, SC3, SC4 and SC5, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 7.5 hours.

APPENDIX H.3

1995 TGRS EVENTS

B1	*B2*	*B3*	*B4*
4/6/95, Pumphouses B1, B2, B3, B5, B6, B7, B8, B9, B10, B11, and B12, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 2.0 hours.	4/4/95, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9, SC2, SC3, SC4 and SC5, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 3.75 hours.	4/6/95, Pumphouses B1, B2, B3, B5, B6, B7, B8, B9, B10, B11, and B12, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 2.0 hours.	8/12/95, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9, B11, Electrical service was down over parts of the site because of storm damage. Down Time 17.0 hours.
4/7/95, Pumphouses B1, B2, B3, B5, B6, B7, B8, B9, B10, B11, and B12, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 7.0 hours.	4/5/95, Pumphouses B1, B2, B3, B4, B5, B6, B7, B8, B9, B10, B11, B12, SC2, SC3, SC4 and SC5, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 7.5 hours.	4/7/95, Pumphouses B1, B2, B3, B5, B6, B7, B8, B9, B10, B11, and B12, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 7.0 hours.	8/13/95, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9, B11, SC2, Electrical service was down over parts of the site because of storm damage. Down Time: B1, B32, B3, B4, B5, B6, B8, B9, B11 = 20.5 hours, SC2 = 16.0 hours.
8/12/95, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9, B11, Electrical service was down over parts of the site because of storm damage. Down Time 17.0 hours.	4/6/95, Pumphouses B1, B2, B3, B5, B6, B7, B8, B9, B10, B11, and B12, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 2.0 hours.	4/19 & 20/95, Pumphouse B3, Overhead service to the pumphouse failed and was repaired. Down Time: 51.0 hours.	
8/13/95, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9, B11, SC2, Electrical service was down over parts of the site because of storm damage. Down Time: B1, B32, B3, B4, B5, B6, B8, B9, B11 = 20.5 hours, SC2 = 16.0 hours.	4/7/95, Pumphouses B1, B2, B3, B5, B6, B7, B8, B9, B10, B11, and B12, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 7.0 hours.	5/10/95, Pumhouse B3, The electric check valve closed without command and the well was down. Down Time: 15.0 hours.	
8/21/95, Pumphouse B-1, The A-B power module had a faulty electrical copnnection which was repaired.. Down Time: 11.0 hours	8/12/95, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9, B11, Electrical service was down over parts of the site because of storm damage. Down Time 17.0 hours.	7/1,2/95, Pumphouse B3, The flow meter failed and was replaced. Down Time: None.	

APPENDIX H.3

1995 TGRS EVENTS

B1	*B2*	*B3*	*B4*
9/19/95, Pumphouses B1 & B2, Pumphouses down due to severed data cable. Data cable inspected and found to be damaged during excavation. Pumphouses operated in "Hand" mode until data cable was repaired. Down Time: 25.5 hours.	8/13/95, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9, B11, SC2, Electrical service was down over parts of the site because of storm damage. Down Time: B1, B32, B3, B4, B5, B6, B8, B9, B11 = 20.5 hours, SC2 = 16.0 hours.	7/13-15/95, Pumphouse B3, The flow meter clogged and was cleaned. Down Time: None.	
	9/19/95, Pumphouses B1 & B2, Pumphouses down due to severed data cable. Data cable inspected and found to be damaged during excavation. Pumphouses operated in "Hand" mode until data cable was repaired. Down Time: 25.5 hours.	8/12/95, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9, B11, Electrical service was down over parts of the site because of storm damage. Down Time 17.0 hours.	
		8/13/95, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9, B11, SC2, Electrical service was down over parts of the site because of storm damage. Down Time: B1, B32, B3, B4, B5, B6, B8, B9, B11 = 20.5 hours, SC2 = 16.0 hours.	

APPENDIX H.3

1995 TGRS EVENTS

B5	*B6*	*B7*	*B8*
11/7/94, All Pumphouses, Install door vent and exhaust fan covers, turn off circuit breakers for exhaust fans, and verify operation of electric heaters. Down Time: None.	11/7/94, All Pumphouses, Install door vent and exhaust fan covers, turn off circuit breakers for exhaust fans, and verify operation of electric heaters. Down Time: None.	11/7/94, All Pumphouses, Install door vent and exhaust fan covers, turn off circuit breakers for exhaust fans, and verify operation of electric heaters. Down Time: None.	11/7/94, All Pumphouses, Install door vent and exhaust fan covers, turn off circuit breakers for exhaust fans, and verify operation of electric heaters. Down Time: None.
1/1/95, Flow rates were estimated based on 12/31/94 and 1/2/95 readings due to the New Year Holiday.	1/1/95, Flow rates were estimated based on 12/31/94 and 1/2/95 readings due to the New Year Holiday.	1/1/95, Flow rates were estimated based on 12/31/94 and 1/2/95 readings due to the New Year Holiday.	1/1/95, Flow rates were estimated based on 12/31/94 and 1/2/95 readings due to the New Year Holiday.
2/12/95, Pumphouses B5 & B6, The pumphouses would not operate in the automatic mode and were switched to manual operating mode. The contractor was on-Site inspecting the data cable. Down Time: 10.0 hours.	2/12/95, Pumphouses B5 & B6, The pumphouses would not operate in the automatic mode and were switched to manual operating mode. The contractor was on-Site inspecting the data cable. Down Time: 10.0 hours.	1/30/95, Pumphouses B7, B10 & B12, The electrical service to pumphouses B7, B10 and B12 was disconnected to allow repairs to be performed at pumphouse B10. Down Time: 7.0 hours.	3/30/95, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9 and B11, The pumphouses were shut down to allow modifications to the TCAAP electrical system. Down Time: 1.5 hours.
2/16 & 17/95, Pumphouses B5, B9, B10, B12, The pumphouses were shut down to accommodate the reduction in treatment center capacity. Down Time: 15.0 hours.	3/30/95, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9 and B11, The pumphouses were shut down to allow modifications to the TCAAP electrical system. Down Time: 1.5 hours.	2/16 & 17/95, Pumphouse B7, The pumphouse was shut down to accomodate the reduction in treatment center capacity. Down Time: 7.5 hours.	4/1/95, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9, and B11, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 6.0 hours.

APPENDIX H.3

1995 TGRS EVENTS

B5	*B6*	*B7*	*B8*
3/30/95, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9 and B11, The pumphouses were shut down to allow modifications to the TCAAP electrical system. Down Time: 1.5 hours.	4/1/95, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9, and B11, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 6.0 hours.	4/5/95, Pumphouses B1, B2, B3, B4, B5, B6, B7, B8, B9, B10, B11, B12, SC2, SC3, SC4 and SC5, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 7.5 hours.	4/2/95, Pumphouses B2, B3, B5, B6, B8, B9, and B10, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 2.0 hours.
4/1/95, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9, and B11, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 6.0 hours.	4/2/95, Pumphouses B2, B3, B5, B6, B8, B9, and B10, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 2.0 hours.	4/6/95, Pumphouses B1, B2, B3, B5, B6, B7, B8, B9, B10, B11, and B12, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 2.0 hours.	4/4/95, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9, SC2, SC3, SC4 and SC5, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 3.75 hours.
4/2/95, Pumphouses B2, B3, B5, B6, B8, B9, and B10, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 2.0 hours.	4/4/95, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9, SC2, SC3, SC4 and SC5, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 3.75 hours.	4/7/95, Pumphouses B1, B2, B3, B5, B6, B7, B8, B9, B10, B11, and B12, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 7.0 hours.	4/5/95, Pumphouses B1, B2, B3, B4, B5, B6, B7, B8, B9, B10, B11, B12, SC2, SC3, SC4 and SC5, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 7.5 hours.
4/4/95, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9, SC2, SC3, SC4 and SC5, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 3.75 hours.	4/5/95, Pumphouses B1, B2, B3, B4, B5, B6, B7, B8, B9, B10, B11, B12, SC2, SC3, SC4 and SC5, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 7.5 hours.	8/14/95, Pumphouses B7, B12, Electrical service to the pumphouses was down due to storm damage. Down Time: 17.0 hours.	4/6/95, Pumphouses B1, B2, B3, B5, B6, B7, B8, B9, B10, B11, and B12, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 2.0 hours.
4/5/95, Pumphouses B1, B2, B3, B4, B5, B6, B7, B8, B9, B10, B11, B12, SC2, SC3, SC4 and SC5, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 7.5 hours.	4/6/95, Pumphouses B1, B2, B3, B5, B6, B7, B8, B9, B10, B11, and B12, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 2.0 hours.		4/7/95, Pumphouses B1, B2, B3, B5, B6, B7, B8, B9, B10, B11, and B12, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 7.0 hours.

APPENDIX H.3

1995 TGRS EVENTS

B5

4/6/95, Pumphouses B1, B2, B3, B5, B6, B7, B8, B9, B10, B11, and B12, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 2.0 hours.

4/7/95, Pumphouses B1, B2, B3, B5, B6, B7, B8, B9, B10, B11, and B12, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 7.0 hours.

8/12/95, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9, B11, Electrical service was down over parts of the site because of storm damage. Down Time 17.0 hours.

8/13/95, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9, B11, SC2, Electrical service was down over parts of the site because of storm damage. Down Time: B1, B32, B3, B4, B5, B6, B8, B9, B11 = 20.5 hours, SC2 = 16.0 hours.

B6

4/7/95, Pumphouses B1, B2, B3, B5, B6, B7, B8, B9, B10, B11, and B12, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 7.0 hours.

8/12/95, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9, B11, Electrical service was down over parts of the site because of storm damage. Down Time 17.0 hours.

8/13/95, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9, B11, SC2, Electrical service was down over parts of the site because of storm damage. Down Time: B1, B32, B3, B4, B5, B6, B8, B9, B11 = 20.5 hours, SC2 = 16.0 hours.

B7

B8

8/12/95, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9, B11, Electrical service was down over parts of the site because of storm damage. Down Time 17.0 hours.

8/13/95, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9, B11, SC2, Electrical service was down over parts of the site because of storm damage. Down Time: B1, B32, B3, B4, B5, B6, B8, B9, B11 = 20.5 hours, SC2 = 16.0 hours.

APPENDIX H.3

1995 TGRS EVENTS

B9	*B10*	*B11*	*B12*
11/7/94, All Pumphouses, Install door vent and exhaust fan covers, turn off circuit breakers for exhaust fans, and verify operation of electric heaters. Down Time: None.	11/7/94, All Pumphouses, Install door vent and exhaust fan covers, turn off circuit breakers for exhaust fans, and verify operation of electric heaters. Down Time: None.	11/7/94, All Pumphouses, Install door vent and exhaust fan covers, turn off circuit breakers for exhaust fans, and verify operation of electric heaters. Down Time: None.	11/7/94, All Pumphouses, Install door vent and exhaust fan covers, turn off circuit breakers for exhaust fans, and verify operation of electric heaters. Down Time: None.
1/1/95, Flow rates were estimated based on 12/31/94 and 1/2/95 readings due to the New Year Holiday.	12/14/94, Pumphouse B10, The submersible pump and motor were replaced. The TCAAP electrical service to boundary wells turned "off" during repairs. System turned off begining at 8:00 a.m. and restarted at 5:30 p.m. Down Time: 9.5 hours.	1/1/95, Flow rates were estimated based on 12/31/94 and 1/2/95 readings due to the New Year Holiday.	1/1/95, Flow rates were estimated based on 12/31/94 and 1/2/95 readings due to the New Year Holiday.
2/16 & 17/95, Pumphouses B5, B9, B10, B12, The pumphouses were shut down to accommodate the reduction in treatment center capacity. Down Time: 15.0 hours.	1/1/95, Flow rates were estimated based on 12/31/94 and 1/2/95 readings due to the New Year Holiday.	3/30/95, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9 and B11, The pumphouses were shut down to allow modifications to the TCAAP electrical system. Down Time: 1.5 hours.	1/30/95, Pumphouses B7, B10 & B12, The electrical service to pumphouses B7, B10 and B12 was disconnected to allow repairs to be performed at pumphouse B10. Down Time: 7.0 hours.
3/30/95, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9 and B11, The pumphouses were shut down to allow modifications to the TCAAP electrical system. Down Time: 1.5 hours.	1/30/95, Pumphouse B10, The well head was replaced with a pitless style well head. Down Time: 7.0 hours.	4/1/95, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9, and B11, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 6.0 hours.	2/16 & 17/95, Pumphouses B5, B9, B10, B12, The pumphouses were shut down to accommodate the reduction in treatment center capacity. Down Time: 15.0 hours.

APPENDIX H.3

1995 TGRS EVENTS

B9	*B10*	*B11*	*B12*
4/1/95, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9, and B11, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 6.0 hours.	1/30/95, Pumphouses B7, B10 & B12, The electrical service to pumphouses B7, B10 and B12 was disconnected to allow repairs to be performed at pumphouse B10. Down Time: 7.0 hours.	4/5/95, Pumphouses B1, B2, B3, B4, B5, B6, B7, B8, B9, B10, B11, B12, SC2, SC3, SC4 and SC5, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 7.5 hours.	4/5/95, Pumphouses B1, B2, B3, B4, B5, B6, B7, B8, B9, B10, B11, B12, SC2, SC3, SC4 and SC5, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 7.5 hours.
4/2/95, Pumphouses B2, B3, B5, B6, B8, B9, and B10, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 2.0 hours.	2/16 & 17/95, Pumphouses B5, B9, B10, B12, The pumphouses were shut down to accommodate the reduction in treatment center capacity. Down Time: 15.0 hours.	4/6/95, Pumphouses B1, B2, B3, B5, B6, B7, B8, B9, B10, B11, and B12, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 2.0 hours.	4/6/95, Pumphouses B1, B2, B3, B5, B6, B7, B8, B9, B10, B11, and B12, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 2.0 hours.
4/4/95, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9, SC2, SC3, SC4 and SC5, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 3.75 hours.	4/2/95, Pumphouses B2, B3, B5, B6, B8, B9, and B10, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 2.0 hours.	4/7/95, Pumphouses B1, B2, B3, B5, B6, B7, B8, B9, B10, B11, and B12, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 7.0 hours.	4/7/95, Pumphouses B1, B2, B3, B5, B6, B7, B8, B9, B10, B11, and B12, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 7.0 hours.
4/5/95, Pumphouses B1, B2, B3, B4, B5, B6, B7, B8, B9, B10, B11, B12, SC2, SC3, SC4 and SC5, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 7.5 hours.	4/5/95, Pumphouses B1, B2, B3, B4, B5, B6, B7, B8, B9, B10, B11, B12, SC2, SC3, SC4 and SC5, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 7.5 hours.	8/12/95, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9, B11, Electrical service was down over parts of the site because of storm damage. Down Time 17.0 hours.	4/8/95, Pumphouses B10 and B12, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time 2.25 hours.
4/6/95, Pumphouses B1, B2, B3, B5, B6, B7, B8, B9, B10, B11, and B12, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 2.0 hours.	4/6/95, Pumphouses B1, B2, B3, B5, B6, B7, B8, B9, B10, B11, and B12, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 2.0 hours.	8/13/95, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9, B11, SC2, Electrical service was down over parts of the site because of storm damage. Down Time: B1, B32, B3, B4, B5, B6, B8, B9, B11 = 20.5 hours, SC2 = 16.0 hours.	7/27/95, Pumphouse B12, The pumphouse cycled due to reduced capacity of the treatment center. Capacity was restored and the well operated acceptably. Down Time: 17.0 hours.

APPENDIX H.3

1995 TGRS EVENTS

B9	*B10*	*B11*	*B12*
4/7/95, Pumphouses B1, B2, B3, B5, B6, B7, B8, B9, B10, B11, and B12, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 7.0 hours.	4/7/95, Pumphouses B1, B2, B3, B5, B6, B7, B8, B9, B10, B11, and B12, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 7.0 hours.	8/15/95, Pumphouses B11, Flowmeter was found to damaged and was changed out, Down Time: 0.5 hours.	8/14/95, Pumphouses B7, B12, Electrical service to the pumphouses was down due to storm damage. Down Time: 17.0 hours.
8/12/95, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9, B11, Electrical service was down over parts of the site because of storm damage. Down Time 17.0 hours.	4/8/95, Pumphouses B10 and B12, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time 2.25 hours.		
8/13/95, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9, B11, SC2, Electrical service was down over parts of the site because of storm damage. Down Time: B1, B32, B3, B4, B5, B6, B8, B9, B11 = 20.5 hours, SC2 = 16.0 hours.	4/12/95, Pumphouse B10, The pumphouse door is rubbing on the threshold and requires repair. Down Time: None.		

APPENDIX H.3

1995 TGRS EVENTS

SC2	*SC3*	*SC4*	*SC5*
11/3/94, Pumphouse SC2, The submersible motor and pump were replaced. Down Time: 11.0 hours.	11/7/94, All Pumphouses, Install door vent and exhaust fan covers, turn off circuit breakers for exhaust fans, and verify operation of electric heaters. Down Time: None.	11/3/94, Pumphouse SC4, The submersible motor and pump were replaced. Down Time: 8.75 hours.	11/7/94, All Pumphouses, Install door vent and exhaust fan covers, turn off circuit breakers for exhaust fans, and verify operation of electric heaters. Down Time: None.
11/7/94, All Pumphouses, Install door vent and exhaust fan covers, turn off circuit breakers for exhaust fans, and verify operation of electric heaters. Down Time: None.	1/1/95, Flow rates were estimated based on 12/31/94 and 1/2/95 readings due to the New Year Holiday.	11/4/94, Pumphouse SC4, The flow rate was increased by adjusting the electric check valve, reducing back pressure from 79 p.s.i, to 74 p.s.i.. Down Time: None.	1/1/95, Flow rates were estimated based on 12/31/94 and 1/2/95 readings due to the New Year Holiday.
1/1/95, Flow rates were estimated based on 12/31/94 and 1/2/95 readings due to the New Year Holiday.	3/24/95, Pumphouse SC3, Installed 120 feet of one-inch PVC pipe into well for use in water level measurement. Down Time: None.	11/7/94, All Pumphouses, Install door vent and exhaust fan covers, turn off circuit breakers for exhaust fans, and verify operation of electric heaters. Down Time: None.	4/4/95, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9, SC2, SC3, SC4 and SC5, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 3.75 hours.
2/7 & 8/95, Pumphouse SC2, The flow meter became stuck and was cleaned. Down Time: None.	4/4/95, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9, SC2, SC3, SC4 and SC5, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 3.75 hours.	1/1/95, Flow rates were estimated based on 12/31/94 and 1/2/95 readings due to the New Year Holiday.	4/5/95, Pumphouses B1, B2, B3, B4, B5, B6, B7, B8, B9, B10, B11, B12, SC2, SC3, SC4 and SC5, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 7.5 hours.

APPENDIX H.3

1995 TGRS EVENTS

SC2

4/4/95, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9, SC2, SC3, SC4 and SC5, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 3.75 hours.

4/5/95, Pumphouses B1, B2, B3, B4, B5, B6, B7, B8, B9, B10, B11, B12, SC2, SC3, SC4 and SC5, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 7.5 hours.

6/1/95, Pumphouse SC2, The submersible pump and motor were replaced. Down Time: 6.0 hours.

8/13/95, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9, B11, SC2, Electrical service was down over parts of the site because of storm damage. Down Time: B1, B32, B3, B4, B5, B6, B8, B9, B11 = 20.5 hours, SC2 = 16.0 hours.

SC3

4/5/95, Pumphouses B1, B2, B3, B4, B5, B6, B7, B8, B9, B10, B11, B12, SC2, SC3, SC4 and SC5, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 7.5 hours.

SC4

4/4/95, Pumphouses B1, B2, B3, B4, B5, B6, B8, B9, SC2, SC3, SC4 and SC5, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 3.75 hours.

4/5/95, Pumphouses B1, B2, B3, B4, B5, B6, B7, B8, B9, B10, B11, B12, SC2, SC3, SC4 and SC5, The pumphouses were shut down to allow for modification of the TCAAP electrical system. Down Time: 7.5 hours.

8/29/95, Pumphouse SC-4, The pumphouse was down due to a faulty computer control card which was repaired, Down Time: 0.5 Hour.

SC5

6/30/95, Pumphouse SC5, The pumphouse flow meter was not functioning. The meter measuring chamber assembly was replaced on July 3, 1995. Down Time: None.

APPENDIX H.3

1995 TGRS EVENTS

Treatment Center/Forcemain

10/6/94, Treatment Center, Flow meter #6 in treatment center is inoperative. The impeller on the transducer has worn out so the totalizer will not record a flow rate. Down Time: None.

10/7/94, TGRS, The TGRS was shut down from 12:20 pm until 3:20 pm while isolating forcemain water running to SC-1. Down Time: 3.0 hours.

10/10/94, TGRS, The TGRS was shut down repairs to TCAAP raw water loop. Down Time: 5.0 hours.

10/16/94, Treatment Center, Flow meter #6 in treatment center repaired. Down Time: 0.5 hours.

APPENDIX H.3

1995 TGRS EVENTS

Treatment Center/Forcemain

10/18/94, Treatment Center, The air release valve for wet well pump #4 started leaking on 10/17 and was replaced on 10/18. Down Time: None.

10/26/94, Treatment Center, Air Stripping Tower No. 2 blower belt replaced. Down Time: None.

11/1-30/94, Treatment Center, Flow meter No. 6 transducer is not functioning. Down Time: None.

11/3/94, Treatment Center, The potable water meter for electric check valve Nos. 1 & 2 is 830110. Down Time: None.

11/24/94, TGRS, Thanksgiving Holiday meter readings are estimates based on 11/23 and 11/25 meter readings. Down Time: None.

APPENDIX H.3

1995 TGRS EVENTS

Treatment Center/Forcemain

12/1-31/94, Treatment Center, Flow meter No.6 transducer failed. Repairs forthcoming. This meter is typically used for process measurement only. Down Time: NA.

12/25/94, TGRS, Readings are estimated based on 12/24/94 and 12/26/94 due to the Christmas Holiday. Down Time: None.

12/28/94, Treatment Center, Autodialer is activated. The heaters (a type of fusing) for wet well pump No.2 were tripped. They were reset and the pump was restarted. Down Time: 1.25 hours.

1/1/95, Flow rates were estimated based on 12/31/94 and 1/2/95 readings due to the New Year Holiday.

1/11/95, Treatment Center, Wet wells #1 and #4 would not cycle when commanded to do so. Maintenance was scheduled. Down Time: None.

APPENDIX H.3

1995 TGRS EVENTS

Treatment Center/Forcemain

1/14/95, Treatemnt Center, Wet well pump #4 does not shut down when directed to do so by pump director unit. The three-way solenoid valve was replaced. Down Time: None.

1/18/95, Treatment Center, Electric check valve #4 closed without command. The valve was reset and locked in open position. Down Time: 7.0 hours.

2/16/95, Treatment Center, The motor for wet well pump no. 3 failed. A contractor was scheduled to replace the motor. Down Time: 15.0 hours.

3/22/95, TGRS, Meter readings are estimated using meter readings from 3/21 and 3/23/1995. Down Time: None.

4/16/95, TGRS, Meter readings are estimated due to Easter Sunday holiday. Down Time: None.

5/2/95, Forcemain, Altitude Chamber, The pilot valve was cleaned and rebuilt. Down Time: None.

5/17/95, TGRS, The system was shut down to allow cleaning and inspection of the air metering station for AST No. 4. Down Time: 2.5 hours.

APPENDIX H.3

1995 TGRS EVENTS

Treatment Center/Forcemain

5/23/95, TGRS, As part of annual preventive maintenance, treatment center meter No.1 was replaced with a meter from inventory, meter No. 2 was replaced with former meter N. 1, meter Nos. 3 and 4 were interchanged. Down Time: 5.0 hours.

6/19/95, TGRS, The TGRS was shut down and restarted to observe the effect on the flow of water in the Mounds View road east drainage ditch, south of Bldg. 116. The water level in the ditch may hav decreased slightly after system shut down. FCC
then tested the potable water main in a similar fashion. The water level did not change druing the potable water main test. Down Time: 8.0 hours.

6/20-23/95, TGRS, The TGRS was operated as necessary to locate the forcemain leak. The leak was repaired and the system restarted. Down Time: 50.0 hours.

8/17/95, Treatment Center, E.C.V. No. 4 was repaired and the system was shut down during repairs, Down time: 3.0 hours.

8/17/95, Treatment Center, 4 - 3" Neptune and 1 Rockwell meter were sent to Munitech Inc. for repairs and calibration. Down Time: None.

8/19 & 8/20/95, Treatment Center, The treatment center was down due to FCC / TCAAP sub-station electrical repairs. Down Time: 40.0 hours.

8/22/95, Treatment Center, Flow meter No.4 failed and was removed, examinedand found faulty, so a rebuilt meter was installed and the same flowmeter totalizer was reused. Down Time: 0.5 hours.

9/3/95, TGRS, Meter readings are estimated as daily inspection not perfromed on Labor Day holiday. Down Time: None.

Appendix H.4

Site K Operational Data

BLDG 103 GROUNDWATER TREATMENT SYSTEM
(SITE K) WATER METER READING LOG
FOR THE MONTH OF: OCTOBER 1994

DATE	METER READING GAL X 10	VOLUME OF WATER TREATED GAL X 10	COMMENTS
09/30/94	4420183	0	
10/03/94	4420359	176	CLEANED FLOWMETER
10/04/94	4420359	0	
10/05/94	4420359	0	PUMP REPLACED
10/06/94	4422376	2017	
10/07/94	4424054	1678	
10/10/94	4426227	2173	FLOWMETER STUCK/CLEANED
10/11/94	4427920	1693	
10/12/94	4429129	1209	
10/13/94	4430482	1353	
10/14/94	4431683	1201	SYSTEM DOWN FOR MAINT
10/17/94	4435382	3699	GROUNDWATER LEVEL LOW—
10/18/94	4436828	1446	SYSTEM IS CYCLING
10/19/94	4438084	1256	
10/20/94	4439358	1274	
10/21/94	4440667	1309	
10/24/94	4444914	4247	
10/25/94	4446219	1305	
10/26/94	4447627	1408	
10/27/94	4448881	1254	
10/28/94	4450358	1477	
10/31/94	4451569	1211	FLOWMETER STUCK/CLEANED
		31386	

MAINTENANCE FOR THE MONTH OF SEPTEMBER: THE SUMP PUMP WAS REPLACED ON 10/05. THE TOWER PACKING WAS REPLACED ON 10/14.

THE ACTUAL VOLUME OF WATER TREATED IS ESTIMATED TO BE 336,436 GALLONS.

BLDG 103 GROUNDWATER TREATMENT SYSTEM
(SITE K) WATER METER READING LOG
FOR THE MONTH OF: NOVEMBER 1994

DATE	METER READING GAL X 10	VOLUME OF WATER TREATED GAL X 10	COMMENTS
10/31/94	4451569	0	
11/01/94	4453063	1494	
11/02/94	4454384	1321	
11/03/94	4455734	1350	
11/04/94	4457185	1451	
11/07/94	4460205	3020	CLEANED FLOWMETER
11/08/94	4461519	1314	
11/09/94	4462733	1214	
11/10/94	4464016	1283	
11/11/94	4465237	1221	
11/14/94	4469081	3844	CLEANED FLOWMETER
11/15/94	4470314	1233	
11/16/94	4471560	1246	
11/18/94	4474024	2464	
11/21/94	4477519	3495	CLEANED FLOWMETER
11/22/94	4478105	586	
11/23/94	4479446	1341	
11/28/94	4484869	5423	CLEANED FLOWMETER
11/29/94	4486109	1240	
11/30/94	4487469	1360	
		35900	

MAINTENANCE FOR THE MONTH OF NOVEMBER: NONE

BLDG 103 GROUNDWATER TREATMENT SYSTEM
(SITE K) WATER METER READING LOG
FOR THE MONTH OF: DECEMBER 1994

DATE	METER READING GAL X 10	VOLUME OF WATER TREATED GAL X 10	COMMENTS
11/30/94	4487469	0	
12/01/94	4488538	1069	
12/02/94	4489790	1252	
12/05/94	4492830	3040	CLEANED FLOWMETER
12/06/94	4494190	1360	
12/07/94	4495540	1350	
12/08/94	4496743	1203	
12/09/94	4497674	931	
12/12/94	4497844	170	FLOWMETER STUCK/CLEANED
12/13/94	4499076	1232	
12/14/94	4500110	1034	FLOWMETER STUCK
12/15/94	4501181	1071	
12/16/94	4502256	1075	
12/19/94	4503715	1459	DOWN/PACKING REPLACEMENT
12/20/94	4503744	29	
12/21/94	4505121	1377	
12/22/94	4506109	988	F.M. RECORDER STUCK
12/27/94	4511311	5202	
12/28/94	4512578	1267	
12/29/94	4513615	1037	
12/30/94	4514570	955	
		27101	

MAINTENANCE FOR THE MONTH OF DECEMBER: ON DECEMBER 19 THE TOWER PACKING WAS CHANGED.

THE ACTUAL VOLUME OF WATER TREATED IS ESTIMATED TO BE 307,814 GALLONS.

BLDG 103 GROUNDWATER TREATMENT SYSTEM
(SITE K) WATER METER READING LOG
FOR THE MONTH OF: JANUARY 1995

DATE	METER READING GAL X 10	VOLUME OF WATER TREATED GAL X 10	COMMENTS
12/30/94	4514570	0	
01/03/95	4517808	3238	
01/04/95	4518759	951	
01/05/95	4519518	759	
01/06/95	4520324	806	
01/09/95	4522932	2608	
01/10/95	4523724	792	
01/11/95	4524642	918	
01/12/95	4525537	895	
01/13/95	4526109	572	F.M. TOTALIZER STUCK
01/16/95	4528447	2338	
01/17/95	4529306	859	
01/18/95	4530001	695	
01/19/95	4530683	682	
01/20/95	4531256	573	
01/23/95	4532704	1448	
01/24/95	4533391	687	
01/25/95	4534035	644	
01/26/95	4534695	660	
01/27/95	4535382	687	
01/30/95	4537199	1817	FLOWMETER STUCK/CLEANED
01/31/95	4538059	860	
		23489	

MAINTENANCE FOR THE MONTH OF JANUARY: NONE

THE ACTUAL VOLUME OF WATER TREATED IS ESTIMATED TO BE 239,232 GALLONS.

BLDG 103 GROUNDWATER TREATMENT SYSTEM
(SITE K) WATER METER READING LOG
FOR THE MONTH OF: ~~JANUARY~~ February 1995

DATE	METER READING GAL X 10	VOLUME OF WATER TREATED GAL X 10	COMMENTS
01/31/95	4538059	0	
02/01/95	4538922	863	
02/02/95	4539672	750	
02/03/95	4540419	747	
02/06/95	4542592	2173	
02/07/95	4543271	679	
02/08/95	4544032	761	
02/09/95	4544706	674	
02/10/95	4545397	691	
02/13/95	4547123	1726	
02/14/95	4547753	630	
02/15/95	4548506	753	
02/16/95	4549029	523	
02/17/95	4549716	687	
02/20/95	4552084	2368	
02/21/95	4552762	678	
02/22/95	4553423	661	
02/23/95	4554119	696	
02/24/95	4554728	609	
02/27/95	4556661	1933	
02/28/95	4556912	251	
		18853	

MAINTENANCE FOR THE MONTH OF FEBRUARY: NONE

BLDG 103 GROUNDWATER TREATMENT SYSTEM
(SITE K) WATER METER READING LOG
FOR THE MONTH OF: MARCH 1995

DATE	METER READING GAL X 10	VOLUME OF WATER TREATED GAL X 10	COMMENTS
02/28/95	4556912	0	
03/01/95	4556983	71	CLEANED FLOWMETER
03/02/95	4557426	443	
03/03/95	4557997	571	
03/06/95	4560160	2163	
03/07/95	4560949	789	
03/08/95	4561463	514	
03/09/95	4561860	397	
03/10/95	4562545	685	
03/13/95	4564821	2276	
03/14/95	4565467	646	
03/15/95	4566239	772	
03/16/95	4566924	685	
03/17/95	4567602	678	PACKING CHANGED & PIPES CLEANED
03/20/95	4569343	1741	
03/21/95	4570033	690	
03/22/95	4570758	725	
03/23/95	4571426	668	
03/24/95	4572165	739	
03/27/95	4574570	2405	
03/28/95	4575318	748	
03/29/95	4576109	791	
03/30/95	4576960	851	
03/31/95	4577742	782	
		20830	

BLDG 103 GROUNDWATER TREATMENT SYSTEM
(SITE K) WATER METER READING LOG
FOR THE MONTH OF: APRIL 1995

DATE	METER READING GAL X 10	VOLUME OF WATER TREATED GAL X 10	COMMENTS
3/31/95	4577742	0	
4/3/95	4580587	2845	
4/4/95	4581327	740	
4/5/95	4582169	842	
4/6/95	4583064	895	
4/10/95	4586531	3467	
4/11/95	4587449	918	
4/12/95	4588614	1165	
4/13/95	4589573	959	
4/17/95	4593405	3832	
4/18/95	4594427	1022	
4/19/95	4595368	941	
4/20/95	4596382	1014	
4/21/95	4597432	1050	
4/24/95	4600905	3473	
4/25/95			CHANGED PACKING
4/26/95			RESTARTED 1000 HRS
4/27/95	4603265	2360	
4/28/95	4604568	1303	
		26826	

BLDG 103 GROUNDWATER TREATMENT SYSTEM
(SITE K) WATER METER READING LOG
FOR THE MONTH OF: MAY 1995

DATE	METER READING GAL X 10	VOLUME OF WATER TREATED GAL X 10	COMMENTS
5/1/95	4607225	2657	
5/2/95	4608282	1057	
5/3/95	4609562	1280	
5/4/95	4610724	1162	
5/5/95	4611899	1175	
5/8/95	4615053	3154	
5/9/95			FLOWMETER STUCK
5/10/95			CLEANED FLOWMETER
5/11/95	4616052	1019	
5/12/95	4617280	1228	
5/15/95	4620404	3124	
5/16/95	4621535	1131	
5/17/95	4622710	1175	
5/18/95	4623667	957	
5/19/95	4624832	1165	
5/22/95	4628095	3263	CLEANED FLOWMETER
5/23/95			
5/24/95			
5/25/95	4631358	3263	
5/26/95	4632509	1151	
5/30/95	4637172	4663	
5/31/95	4638343	1171	
		33775	

ESTIMATED FLOW FOR MAY 1995 IS 36095 DUE TO STUCK FLOWMETER

BLDG 103 GROUNDWATER TREATMENT SYSTEM
(SITE K) WATER METER READING LOG
FOR THE MONTH OF: JUNE 1995

DATE	METER READING GAL X 10	VOLUME OF WATER TREATED GAL X 10	COMMENTS
6/1/95	4639220	877	
6/2/95	4640097	877	
6/5/95			
6/6/95			
6/7/95	4646700	6603	
6/8/95	4646703	3	CLEANED FLOWMETER
6/9/95	4648349	1646	
6/12/95			
6/13/95			I WAS OUT SICK
6/14/95			
6/15/95	4650220	1871	
6/16/95	4651608	1388	
6/19/95	4651608		MY VACATION WEEK
6/20/95	4651608		METER WAS STUCK ALL WEEK
6/21/95	4651608		
6/22/95	4651608		
6/23/95	4651608		
6/26/95	4651622	14	CLEANED FLOWMETER
6/27/95	4652022	400	
6/28/95	4653350	1328	
6/29/95	4654732	1382	
6/30/95	4656083	1351	
		17740	

ESTIMATED GALLONS OF WATER TREATED IN JUNE -380100

BLDG 103 GROUNDWATER TREATMENT SYSTEM
(SITE K) WATER METER READING LOG
FOR THE MONTH OF: JULY 1995

DATE	METER READING GAL X 10	VOLUME OF WATER TREATED GAL X 10	COMMENTS
7/6/95	4656083		METER STUCK
7/7/95	4656083		
7/11/95	4656805	722	
7/12/95	4656810	5	
7/13/95	4658203	1393	
7/14/95	4659430	1227	
7/17/95	4659699	269	FLOWMETER STUCK
7/18/95			CLEANED FLOWMETER
7/19/95	4662537	2838	
7/20/95	4662542	5	FLOWMETER STUCK
7/24/95	4666332	3790	
7/25/95	4666566	234	FLOWMETER STUCK
7/26/95	4666570	4	FLOWMETER STUCK
7/27/95			CHANGED PACKING
7/28/95	4668873	2303	
7/31/95	4673717	4844	
		17634	

ESTIMATED FLOW 40000 DUE TO METER PROBLEMS

BLDG 103 GROUNDWATER TREATMENT SYSTEM
(SITE K) WATER METER READING LOG
FOR THE MONTH OF: AUGUST 1995

DATE	METER READING GAL X 10	VOLUME OF WATER TREATED GAL X 10	COMMENTS
8/1/95	4675019	1302	
8/2/95	4676413	1394	
8/7/95	4678714	2301	CLEANED FLOWMETER
8/8/95	4678733	19	CLEANED FLOWMETER
8/9/95	4679782	1049	
8/10/95	4681192	1410	
8/11/95	4682904	1712	
8/14/95	4686109	3205	
8/15/95	4687356	1247	
8/16/95	4688836	1480	
8/17/95	4690123	1287	
8/21/95	4693228	3105	
8/22/95	4694748	1520	
8/23/95	4696071	1323	
8/24/95	4697254	1183	
8/25/95	4698215	961	CLEANED FLOWMETER
8/28/95	4703020	4805	
8/29/95	4704305	1285	
8/30/95	4705516	1211	
8/31/95	4705525	9	CLEANED FLOWMETER
		31808	

ESTIMATED Flow 395,006

BLDG 103 GROUNDWATER TREATMENT SYSTEM
(SITE K) WATER METER READING LOG
FOR THE MONTH OF: SEPTEMBER 1995

DATE	METER READING GAL X 10	VOLUME OF WATER TREATED GAL X 10	COMMENTS
9/1/95	4706457	932	
9/6/95	4712659	6202	CLEANED FLOWMETER
9/7/95	4714238	1579	
9/8/95	4715518	1280	
9/11/95	4718514	2996	CLEANED FLOWMETER
9/13/95	4718531	17	CLEANED FLOWMETER
9/14/95	4719002	471	CLEANED FLOWMETER
9/15/95	4719107	105	CLEANED FLOWMETER
9/18/95	4723008	3901	
9/20/95	4725007	1999	CLEANED FLOWMETER
9/21/95	4726249	1242	
9/22/95	4727382	1133	
9/25/95	4729645	2263	
9/28/95	4731781	2136	
		26256	

ESTIMATED FLOW 307830

APPENDIX I

Appendix I

Site A Removal Action Modeling Parameters

Site A Removal Action Modeling Parameters

SLAEM Input File With Comments
(Units are in feet and days)

Return
Win -100 -500 1500 1500 * (viewing window)
Ref
170 415 881.9 * (O1U901 in 4/95 head at a reference location)
Aquifer
permeability 24 * Hydraulic Conductivity
base 860 * (in feet MSL)
thickness 1000 * feet (large value given to represent unconfined conditions)
return
Well
factor 192.5 * (Ft^3/day to gpm)
Given * wells with the following pumping rates

			Since System Startup		
*	X	Y	Pumping Rate	Radius	Recovery Well
	1310	260	6.4	0.5	[O1U351]
	1230	200	3.5	0.5	[O1U352]
	1150	140	4.6	0.5	[O1U353]
	1070	80	7.3	0.5	[O1U354]
	940	290	5.1	0.5	[O1U355]
	790	290	5.3	0.5	[O1U356]
	640	290	3.6	0.5	[O1U357]
	490	290	5.6	0.5	[O1U358]

return
Given
uniform 5.8 156 * (specific discharge Ft^2/day), (and azimuth direction) (From International Technology Corp. 7/93 report)
return
Map
plot on
point * (monitoring wells)

Site A Removal Action Modeling Parameters

SLAEM Input File With Comments
(Units are in feet and days)
(continued)

*	X	Y	Monitoring Well
	1170	270	* O1U115
	1290	270	* O1U116
	1190	180	* O1U125
	1120	50	* O1U138
	935	250	* O1U139
	640	250	* O1U140
	1260	160	* O1U145
	1180	100	* O1U146
	1350	290	* O1U147
	1270	230	* O1U148
	1190	170	* O1U149
	1110	110	* O1U150
	1030	50	* O1U151
	1010	285	* O1U152
	860	285	* O1U153
	710	285	* O1U154
	560	285	* O1U155
	410	285	* O1U156
	1055	215	* O1U157
	890	160	* O1U158
	170	415	* O1U901
	910	430	* O1U902
	1280	415	* O1U903
	525	435	* O1U904

return
Solve * (for potential at reference location)
Grid 40 * (sets up heads for contouring)
Switch Con * (switches input back to console)

APPENDIX J

Appendix J

PGRS Hydraulic, Operational and Chemical Data

Appendix J.1

PGRS Historical Groundwater Elevation Database (Ft. AMSL)

APPENDIX J.1

PGRS HISTORICAL GROUNDWATER
ELEVATION DATABASE (FT. AMSL)

Location	*TOC Elevation*	*3/31/94*	*4/28/94*	*4/29/94*	*5/2/94*	*5/9/94*	*5/16/94*	*5/23/94*	*6/20/94*	*7/19/94*	*10/10/94*
03U673	897.82	844.31	843.90	843.90	844.18	844.35	843.95	844.33	843.99	844.98	843.06
03L673	898.42	843.35	842.96	842.92	843.19	843.25	842.89	843.18	842.79	843.71	842.21
04U673	898.84	844.04	843.65	843.61	843.88	843.93	843.58	843.84	843.45	844.43	842.93
03U832	886.82	835.06	834.81	834.82	835.25	835.04	834.44	834.31	833.55	833.48	832.65
03L832	886.85	834.90	834.64	834.70	835.13	834.91	834.31	834.14	833.33	833.25	832.49
04U832	885.31	834.74	834.50	834.61	835.02	834.81	834.19	833.99	833.19	833.09	832.39
03L841	911.92	842.77	842.29	842.27	842.53	842.57	842.27	842.51	842.11	843.38	841.49
04U841	913.17	843.61	843.15	843.14	843.39	843.42	843.09	843.30	842.90	844.25	842.41
04U844	886.79	834.77	834.44	834.50	834.91	834.70	834.10	833.95	833.23	833.25	832.34
04U845	894.94	836.49	836.23	836.33	836.72	836.54	835.96	835.86	835.19	835.32	834.26
03L846	888.54	831.04	832.39	832.44	832.69	832.45	832.07	831.96	831.16	830.78	830.16
04U846	889.46	--	831.32	831.91	832.15	831.68	831.18	830.91	830.06	829.74	829.44
03M848	905.5	842.77	842.42	842.40	842.68	842.79	842.39	842.69	842.22	842.84	841.13
03L848	905.31	843.24	842.86	842.85	843.12	843.21	842.80	843.09	842.58	843.35	841.68
04U848	904.85	843.50	843.13	843.10	843.35	843.39	843.03	843.29	842.87	843.95	842.20
04U851	914.51	831.38	830.84	830.88	831.60	831.26	830.60	830.23	829.20	829.01	828.85
04U852	905.66	829.28	828.93	828.86	829.51	829.29	828.53	827.90	Plugged	826.62	826.83
03L854	892.41	838.88	838.57	838.58	838.88	839.03	838.55	838.81	838.26	838.30	836.93
04U854	891.95	835.14	834.87	835.10	835.49	835.23	834.58	834.44	833.63	833.60	832.83
03L859	903.55	839.48	839.09	839.08	839.40	839.50	839.04	839.30	838.79	839.07	837.48
04U859	903.73	842.22	841.78	841.79	842.05	842.08	841.71	841.92	841.51	842.57	840.83
03L860	896.79	839.10	838.84	838.81	839.12	839.28	838.78	839.09	838.51	838.54	837.22
04U860	896.61	835.04	834.84	835.00	835.35	835.11	834.47	834.31	833.57	833.41	832.75

APPENDIX J.1

PGRS HISTORICAL GROUNDWATER
ELEVATION DATABASE (FT. AMSL)

Location	*TOC Elevation*	*3/31/94*	*4/28/94*	*4/29/94*	*5/2/94*	*5/9/94*	*5/16/94*	*5/23/94*	*6/20/94*	*7/19/94*	*10/10/94*
03L861	891.35	837.47	837.14	837.15	837.47	837.54	836.99	837.17	836.55	836.54	835.25
04U861	890.91	835.25	835.00	835.13	835.53	835.30	834.71	834.53	833.78	833.76	832.97
04U863	895.33	834.59	834.38	834.40	834.95	834.73	834.02	833.82	832.92	832.79	832.18
04U864	908.67	832.70	831.25	831.28	832.89	832.27	830.77	830.76	829.72	829.55	829.07
04J864	908.79	828.03	828.26	827.87	828.51	828.76	827.29	826.49	825.46	825.93	825.04
04U865	915.6	833.30	831.59	831.62	833.75	832.68	831.35	831.14	830.22	830.04	829.54
04U866	910.6	832.05	830.35	830.44	832.08	831.65	830.15	829.96	828.90	828.72	828.28
04J866	910.69	828.73	828.54	828.54	829.17	829.48	827.90	827.25	826.26	826.71	825.71
04U877	923.08	831.30	830.62	830.83	831.45	831.11	830.61	830.30	829.34	828.98	828.84
MPCA1L3	898.25	838.03	837.63	837.64	837.97	838.01	837.51	837.70	837.13	837.27	835.82
MPCA1U4	898.6	836.33	835.95	836.02	836.38	836.19	835.69	835.64	835.03	835.22	834.05
MPCA2L3	872.05	833.60	833.25	833.32	833.77	833.45	832.93	832.75	831.94	831.81	831.12
MPCA2U4	872.19	832.71	832.24	832.41	832.89	832.52	831.96	831.78	830.93	830.71	830.14
414U4	893.93	834.31	834.00	834.02	834.70	834.43	833.66	833.42	832.53	832.41	831.89
MW15H	911.52	834.81	834.60	834.62	835.04	834.76	834.14	834.12	833.30	833.12	832.36
NB WELL 13	914.66	--	822.16	822.21	822.66	830.87	821.81	--	820.58	820.26	819.41

Note:

(--) - Not Taken

APPENDIX J.1

PGRS HISTORICAL GROUNDWATER
ELEVATION DATABASE (FT. AMSL)

Location	*TOC Elevation*	*1/27/95*	*3/6/95*	*6/21/95*	*9/5/95*	*12/14/95*
03U673	897.82	843.4	843.29	843.57	842.53	843.31
03L673	898.42	842.22	842.1	842.74	841.32	842.12
04U673	898.84	842.89	842.74	843.46	841.99	842.79
03U832	886.82	833.36	833.24	833.02	832.57	833.26
03L832	886.85	833.2	833.48	832.82	832.4	833.11
04U832	885.31	833.07	833.14	832.63	832.27	832.97
03L841	911.92	841.56	841.43	842.04	840.54	841.49
04U841	913.17	842.35	842.23	842.93	841.39	842.29
04U844	886.79	833.14	833.21	832.64	832.27	833.05
04U845	894.94	834.97	834.97	834.67	834.09	834.9
03L846	888.54	830.74	830.92	830.62	830.2	830.51
04U846	889.46	830.11	830.23	829.35	829.25	829.69
03M848	905.5	841.59	841.52	841.77	840.76	841.56
03L848	905.31	842.02	frozen	842.31	841.88	842.01
04U848	904.85	842.33	842.2	842.75	841.42	842.26
04U851	914.51	829.72	829.87	828.58	828.55	829.49
04U852	905.66	827.91	828.13	826.08	826.04	827.66
03L854	892.41	837.56	837.59	837.56	836.87	837.63
04U854	891.95	833.52	833.54	833	832.68	833.46
03L859	903.55	838.14	838.15	838.12	837.33	838.14
04U859	903.73	840.96	840.88	841.42	840.09	840.95
03L860	896.79	837.86	837.84	837.83	837.11	837.9
04U860	896.61	833.38	833.43	832.98	832.57	833.4

APPENDIX J.1

PGRS HISTORICAL GROUNDWATER
ELEVATION DATABASE (FT. AMSL)

Location	*TOC Elevation*	*1/27/95*	*3/6/95*	*6/21/95*	*9/5/95*	*12/14/95*
03L861	891.35	835.99	836.03	835.86	835.23	836.03
04U861	890.91	833.63	833.66	833.2	832.8	833.59
04U863	895.33	832.85	832.95	832.42	832.09	832.76
04U864	908.67	829.71	829.88	829.1	829.01	829.5
04J864	908.79	826.81	826.92	824.22	824.77	827.23
04U865	915.6	830.14	830.24	829.5	829.33	829.67
04U866	910.6	828.97	829.22	828.24	828.14	828.4
04J866	910.69	827.46	827.57	825.13	825.55	827.8
04U877	923.08	829.5	829.76	828.63	828.71	829.14
MPCA1L3	898.25	836.58	836.59	836.45	835.79	836.58
MPCA1U4	898.6	834.74	834.8	834.49	833.89	834.68
MPCA2L3	872.05	831.89	831.93	831.43	831.08	831.63
MPCA2U4	872.19	830.91	830.99	830.31	830.07	830.62
414U4	893.93	832.57	832.65	832.01	830.75	812.46
MW15H	911.52	833.11	833.19	832.85	832.41	833.02
NB WELL 13	914.66	819.66	819.66	819.66	819.66	816.1

Note:

(--) - Not Taken

Appendix J.2

Daily Pumping Summary for 1995 PGRS, TCAAP (Gallons)

APPENDIX J.2

DAILY PUMPING SUMMARY FOR FISCAL YEAR 1995
PGRS, TCAAP (GALLONS)

Day	*October*	*November*	*December*	*January*	*February*	*March*	*April*	*May*	*June*	*July*	*August*	*September*	*Total*
1	1,509,000	1,646,000	1,376,000	1,461,000	1,437,000	1,331,000	1,451,000	1,513,000	1,411,000	1,357,000	1,394,000	1,386,000	
2	1,448,000	1,203,000	1,402,000	1,421,000	1,406,000	1,323,000	1,348,000	1,342,000	1,475,000	1,328,000	1,326,000	1,343,000	
3	1,379,000	1,286,000	1,446,000	1,541,000	1,446,000	1,447,000	1,550,000	1,440,000	1,268,000	1,414,000	1,400,000	1,311,000	
4	1,415,000	1,408,000	1,413,000	1,400,000	1,447,000	1,558,000	1,382,000	1,409,000	1,416,000	1,306,000	1,402,000	1,100,000	
5	1,384,000	1,503,000	1,183,000	1,445,000	1,395,000	1,315,000	1,458,000	1,450,000	1,483,000	1,319,000	1,469,000	1,319,000	
6	1,211,000	1,258,000	1,338,000	1,410,000	1,450,000	1,381,000	1,399,000	1,306,000	1,323,000	1,367,000	1,421,000	1,437,000	
7	1,434,000	1,483,000	774,000	1,496,000	86,000	1,537,000	1,468,000	1,463,000	1,410,000	1,277,000	1,364,000	1,393,000	
8	1,474,000	1,425,000	1,410,000	1,411,000	0	1,306,000	167,000	1,520,000	1,457,000	1,345,000	1,384,000	1,461,000	
9	1,391,000	1,474,000	1,435,000	1,455,000	0	1,453,000	0	1,414,000	1,390,000	1,177,000	1,371,000	882,000	
10	1,440,000	1,383,000	511,000	1,458,000	1,148,000	1,457,000	85,000	1,400,000	1,463,000	1,553,000	1,339,000	935,000	
11	1,442,000	1,601,000	0	1,352,000	1,415,000	1,410,000	0	1,448,000	1,279,000	1,394,000	1,387,000	1,045,000	
12	1,493,000	1,408,000	0	1,421,000	1,413,000	1,332,000	1,147,000	1,392,000	1,391,000	1,445,000	1,336,000	97,000	
13	1,388,000	1,197,000	1,082,000	1,433,000	1,471,000	1,453,000	1,455,000	1,471,000	1,348,000	1,403,000	1,101,000	0	
14	1,417,000	1,420,000	1,455,000	2,162,000	1,425,000	1,443,000	1,416,000	1,486,000	1,412,000	1,388,000	1,243,000	0	
15	1,492,000	1,451,000	1,389,000	771,000	1,391,000	1,408,000	1,388,000	1,432,000	1,401,000	1,177,000	1,380,000	0	
16	1,471,000	1,395,000	1,471,000	1,471,000	1,412,000	1,442,000	1,397,000	1,319,000	1,361,000	1,338,000	1,337,000	0	
17	1,400,000	1,461,000	1,463,000	1,370,000	1,423,000	1,400,000	1,570,000	1,451,000	1,209,000	1,420,000	1,375,000	0	
1	1,417,000	1,400,000	1,428,000	1,416,000	1,393,000	1,473,000	1,324,000	1,404,000	1,353,000	1,395,000	1,325,000	0	
19	1,448,000	1,447,000	1,364,000	1,445,000	1,345,000	1,422,000	1,446,000	1,492,000	1,358,000	1,342,000	1,638,000	0	
20	1,275,000	1,234,000	1,480,000	1,405,000	1,445,000	1,410,000	1,405,000	1,347,000	1,385,000	1,335,000	1,160,000	0	
21	1,157,000	1,536,000	1,379,000	1,529,000	1,380,000	1,391,000	1,449,000	1,711,000	1,384,000	1,355,000	1,327,000	0	
22	1,000,000	1,400,000	1,399,000	1,403,000	1,406,000	1,454,000	1,366,000	1,204,000	1,461,000	1,347,000	1,328,000	0	
23	1,530,000	1,223,000	1,426,000	1,363,000	1,437,000	1,413,000	1,433,000	1,458,000	1,297,000	1,334,000	1,373,000	851,000	
24	1,445,000	1,440,000	1,503,000	1,419,000	1,395,000	1,438,000	1,458,000	1,400,000	1,434,000	1,429,000	1,331,000	1,282,000	
25	1,455,000	1,370,000	1,489,000	1,435,000	1,502,000	1,474,000	1,449,000	144,000	1,252,000	1,399,000	1,450,000	1,233,000	
26	1,449,000	1,330,000	1,476,000	1,433,000	1,470,000	1,431,000	1,382,000	1,121,000	1,264,000	1,403,000	1,386,000	1,323,000	
27	1,456,000	1,234,000	1,248,000	1,416,000	1,318,000	1,357,000	1,453,000	1,433,000	1,365,000	1,385,000	1,332,000	1,446,000	
28	1,465,000	1,281,000	1,460,000	1,311,000	1,532,000	1,451,000	1,400,000	1,016,000	1,218,000	1,394,000	1,321,000	1,346,000	
29	1,517,000	1,304,000	1,395,000	1,541,000	--	1,392,000	1,591,000	1,120,000	1,302,000	1,397,000	153,000	1,369,000	
30	1,384,000	1,351,000	1,434,000	1,517,000	--	1,453,000	1,263,000	1,112,000	1,197,000	1,512,000	1,155,000	1,315,000	
31	1,413,000	--	1,296,000	1,356,000	--	1,402,000	--	1,308,000	--	1,277,000	1,449,000	--	
Total	43,599,000	41,552,000	38,925,000	44,467,000	35,388,000	43,957,000	37,100,000	41,526,000	40,767,000	42,312,000	40,757,000	23,874,000	474,224,000

Appendix J.3

1995 Influent/Effluent Database PGRS, TCAAP

1995 INFLUENT/EFFLUENT DATABASE
PGRS, TCAAP

Location	Sample Date	Chemical	Prime Contractor	Laboratory	Concentration	Data Qualifiers
NB13E	10/4/94	111TCE	CR	PC	< 1	
NB13E	11/1/94	111TCE	CR	PC	< 1	
NB13E	12/6/94	111TCE	CR	PC	< 1	
NB13E	1/3/95	111TCE	CR	PC	2.11	
NB13E	2/10/95	111TCE	CR	PC	< 1	
NB13E	3/7/95	111TCE	CR	PC	< 1	
NB13E	4/4/95	111TCE	CR	PC	< 1	
NB13E	5/2/95	111TCE	CR	PC	< 1	
NB13E	6/6/95	111TCE	CR	PC	< 1	
NB13E	7/6/95	111TCE	CR	PC	< 1	
NB13E	8/1/95	111TCE	CR	PC	< 1	
NB13E	9/5/95	111TCE	CR	PC	< 1	
NB13E	10/4/94	112TCE	CR	PC	< 1	
NB13E	11/1/94	112TCE	CR	PC	< 1	
NB13E	12/6/94	112TCE	CR	PC	< 1	
NB13E	1/3/95	112TCE	CR	PC	< 1	
NB13E	2/10/95	112TCE	CR	PC	< 1	
NB13E	3/7/95	112TCE	CR	PC	< 1	
NB13E	4/4/95	112TCE	CR	PC	< 1	
NB13E	5/2/95	112TCE	CR	PC	< 1	
NB13E	6/6/95	112TCE	CR	PC	< 1	
NB13E	7/6/95	112TCE	CR	PC	< 1	
NB13E	8/1/95	112TCE	CR	PC	< 1	
NB13E	9/5/95	112TCE	CR	PC	< 1	
NB13E	10/4/94	11DCE	CR	PC	< 1	
NB13E	11/1/94	11DCE	CR	PC	< 1	
NB13E	12/6/94	11DCE	CR	PC	< 1	
NB13E	1/3/95	11DCE	CR	PC	< 1	
NB13E	2/10/95	11DCE	CR	PC	< 1	
NB13E	3/7/95	11DCE	CR	PC	< 1	
NB13E	4/4/95	11DCE	CR	PC	< 1	
NB13E	5/2/95	11DCE	CR	PC	< 1	
NB13E	6/6/95	11DCE	CR	PC	< 1	
NB13E	7/6/95	11DCE	CR	PC	< 1	
NB13E	8/1/95	11DCE	CR	PC	< 1	
NB13E	9/5/95	11DCE	CR	PC	< 1	
NB13E	10/4/94	11DCLE	CR	PC	< 0.78	
NB13E	11/1/94	11DCLE	CR	PC	< 0.78	
NB13E	12/6/94	11DCLE	CR	PC	< 0.78	
NB13E	1/3/95	11DCLE	CR	PC	< 0.78	
NB13E	2/10/95	11DCLE	CR	PC	< 0.78	
NB13E	3/7/95	11DCLE	CR	PC	< 0.78	

1995 INFLUENT/EFFLUENT DATABASE
PGRS, TCAAP

Location	Sample Date	Chemical	Prime Contractor	Laboratory	Concentration	Data Qualifiers
NB13E	4/4/95	11DCLE	CR	PC	< 0.78	
NB13E	5/2/95	11DCLE	CR	PC	< 0.78	
NB13E	6/6/95	11DCLE	CR	PC	< 0.78	
NB13E	7/6/95	11DCLE	CR	PC	< 0.78	
NB13E	8/1/95	11DCLE	CR	PC	< 0.78	
NB13E	9/5/95	11DCLE	CR	PC	< 0.78	
NB13E	10/4/94	12DCE	CR	PC	< 0.5	
NB13E	11/1/94	12DCE	CR	PC	< 0.5	
NB13E	12/6/94	12DCE	CR	PC	< 0.5	
NB13E	1/3/95	12DCE	CR	PC	< 0.5	
NB13E	2/10/95	12DCE	CR	PC	< 0.5	
NB13E	3/7/95	12DCE	CR	PC	< 0.5	
NB13E	4/4/95	12DCE	CR	PC	< 0.5	
NB13E	5/2/95	12DCE	CR	PC	< 0.5	
NB13E	6/6/95	12DCE	CR	PC	< 0.5	
NB13E	7/6/95	12DCE	CR	PC	< 0.5	
NB13E	8/1/95	12DCE	CR	PC	< 0.5	
NB13E	9/5/95	12DCE	CR	PC	< 0.5	
NB13E	10/4/94	12DCLE	CR	PC	0.723	
NB13E	11/1/94	12DCLE	CR	PC	< 0.5	
NB13E	12/6/94	12DCLE	CR	PC	< 0.5	I
NB13E	1/3/95	12DCLE	CR	PC	< 0.5	
NB13E	2/10/95	12DCLE	CR	PC	0.871	
NB13E	3/7/95	12DCLE	CR	PC	< 0.5	
NB13E	4/4/95	12DCLE	CR	PC	< 0.5	
NB13E	5/2/95	12DCLE	CR	PC	< 0.5	
NB13E	6/6/95	12DCLE	CR	PC	< 0.5	
NB13E	7/6/95	12DCLE	CR	PC	< 0.5	
NB13E	8/1/95	12DCLE	CR	PC	< 0.5	
NB13E	9/5/95	12DCLE	CR	PC	< 0.5	
NB13E	10/4/94	12DCLP	CR	PC	< 1	
NB13E	11/1/94	12DCLP	CR	PC	< 1	
NB13E	12/6/94	12DCLP	CR	PC	< 1	
NB13E	1/3/95	12DCLP	CR	PC	< 1	
NB13E	2/10/95	12DCLP	CR	PC	< 1	
NB13E	3/7/95	12DCLP	CR	PC	< 1	
NB13E	4/4/95	12DCLP	CR	PC	< 1	
NB13E	5/2/95	12DCLP	CR	PC	< 1	
NB13E	6/6/95	12DCLP	CR	PC	< 1	
NB13E	7/6/95	12DCLP	CR	PC	< 1	
NB13E	8/1/95	12DCLP	CR	PC	< 1	
NB13E	9/5/95	12DCLP	CR	PC	< 1	

1995 INFLUENT/EFFLUENT DATABASE
PGRS, TCAAP

Location	Sample Date	Chemical	Prime Contractor	Laboratory	Concentration	Data Qualifiers
NB13E	10/4/94	C2H3CL	CR	PC	< 1.9	
NB13E	11/1/94	C2H3CL	CR	PC	< 1.9	
NB13E	12/6/94	C2H3CL	CR	PC	< 1.9	
NB13E	1/3/95	C2H3CL	CR	PC	< 1.9	
NB13E	2/10/95	C2H3CL	CR	PC	< 1.9	
NB13E	3/7/95	C2H3CL	CR	PC	< 1.9	
NB13E	4/4/95	C2H3CL	CR	PC	< 1.9	
NB13E	5/2/95	C2H3CL	CR	PC	< 1.9	
NB13E	6/6/95	C2H3CL	CR	PC	< 1.9	
NB13E	7/6/95	C2H3CL	CR	PC	< 1.9	
NB13E	8/1/95	C2H3CL	CR	PC	< 1.9	
NB13E	9/5/95	C2H3CL	CR	PC	< 1.9	
NB13E	10/4/94	CCL4	CR	PC	< 1.3	
NB13E	11/1/94	CCL4	CR	PC	< 1.3	
NB13E	12/6/94	CCL4	CR	PC	< 1.3	
NB13E	1/3/95	CCL4	CR	PC	< 1.3	
NB13E	2/10/95	CCL4	CR	PC	< 1.3	
NB13E	3/7/95	CCL4	CR	PC	< 1.3	
NB13E	4/4/95	CCL4	CR	PC	< 1.3	
NB13E	5/2/95	CCL4	CR	PC	< 1.3	
NB13E	6/6/95	CCL4	CR	PC	< 1.3	
NB13E	7/6/95	CCL4	CR	PC	< 1.3	
NB13E	8/1/95	CCL4	CR	PC	< 1.3	
NB13E	9/5/95	CCL4	CR	PC	< 1.3	
NB13E	10/4/94	CH2CL2	CR	PC	< 3.2	
NB13E	11/1/94	CH2CL2	CR	PC	< 3.2	
NB13E	12/6/94	CH2CL2	CR	PC	< 3.2	
NB13E	1/3/95	CH2CL2	CR	PC	< 3.2	
NB13E	2/10/95	CH2CL2	CR	PC	< 3.2	
NB13E	3/7/95	CH2CL2	CR	PC	< 3.2	
NB13E	4/4/95	CH2CL2	CR	PC	< 3.2	
NB13E	5/2/95	CH2CL2	CR	PC	< 3.2	
NB13E	6/6/95	CH2CL2	CR	PC	< 3.2	
NB13E	7/6/95	CH2CL2	CR	PC	< 3.2	
NB13E	8/1/95	CH2CL2	CR	PC	< 3.2	
NB13E	9/5/95	CH2CL2	CR	PC	< 3.2	
NB13E	10/4/94	CHCL3	CR	PC	< 0.72	
NB13E	11/1/94	CHCL3	CR	PC	< 0.72	
NB13E	12/6/94	CHCL3	CR	PC	< 0.72	
NB13E	1/3/95	CHCL3	CR	PC	< 0.72	
NB13E	2/10/95	CHCL3	CR	PC	< 0.72	
NB13E	3/7/95	CHCL3	CR	PC	< 0.72	

1995 INFLUENT/EFFLUENT DATABASE
PGRS, TCAAP

Location	Sample Date	Chemical	Prime Contractor	Laboratory	Concentration	Data Qualifiers
NB13E	4/4/95	CHCL3	CR	PC	< 0.72	
NB13E	5/2/95	CHCL3	CR	PC	< 0.72	
NB13E	6/6/95	CHCL3	CR	PC	< 0.72	
NB13E	7/6/95	CHCL3	CR	PC	< 0.72	
NB13E	8/1/95	CHCL3	CR	PC	< 0.72	
NB13E	9/5/95	CHCL3	CR	PC	< 0.72	
NB13E	10/4/94	T12DCE	CR	PC	ND	T
NB13E	11/1/94	T12DCE	CR	PC	ND	T
NB13E	12/6/94	T12DCE	CR	PC	ND	T
NB13E	1/3/95	T12DCE	CR	PC	ND	T
NB13E	2/10/95	T12DCE	CR	PC	ND	T
NB13E	3/7/95	T12DCE	CR	PC	ND	T
NB13E	4/4/95	T12DCE	CR	PC	ND	T
NB13E	5/2/95	T12DCE	CR	PC	ND	T
NB13E	6/6/95	T12DCE	CR	PC	ND	T
NB13E	7/6/95	T12DCE	CR	PC	ND	T
NB13E	8/1/95	T12DCE	CR	PC	ND	T
NB13E	9/5/95	T12DCE	CR	PC	ND	T
NB13E	10/4/94	TCLEE	CR	PC	< 1	
NB13E	11/1/94	TCLEE	CR	PC	< 1	
NB13E	12/6/94	TCLEE	CR	PC	< 1	
NB13E	1/3/95	TCLEE	CR	PC	< 1	
NB13E	2/10/95	TCLEE	CR	PC	< 1	
NB13E	3/7/95	TCLEE	CR	PC	< 1	
NB13E	4/4/95	TCLEE	CR	PC	< 1	
NB13E	5/2/95	TCLEE	CR	PC	< 1	
NB13E	6/6/95	TCLEE	CR	PC	< 1	I
NB13E	7/6/95	TCLEE	CR	PC	< 1	
NB13E	8/1/95	TCLEE	CR	PC	< 1	
NB13E	9/5/95	TCLEE	CR	PC	< 1	
NB13E	10/4/94	TCLTFE	CR	PC	< 1	
NB13E	11/1/94	TCLTFE	CR	PC	< 1	
NB13E	12/6/94	TCLTFE	CR	PC	< 1	
NB13E	1/3/95	TCLTFE	CR	PC	< 1	
NB13E	2/10/95	TCLTFE	CR	PC	< 1	
NB13E	3/7/95	TCLTFE	CR	PC	< 1	
NB13E	4/4/95	TCLTFE	CR	PC	< 1	
NB13E	5/2/95	TCLTFE	CR	PC	< 1	
NB13E	6/6/95	TCLTFE	CR	PC	< 1	
NB13E	7/6/95	TCLTFE	CR	PC	< 1	
NB13E	8/1/95	TCLTFE	CR	PC	< 1	
NB13E	9/5/95	TCLTFE	CR	PC	< 1	

1995 INFLUENT/EFFLUENT DATABASE
PGRS, TCAAP

Location	Sample Date	Chemical	Prime Contractor	Laboratory	Concentration	Data Qualifiers
NB13E	10/4/94	TRCLE	CR	PC	< 0.5	
NB13E	11/1/94	TRCLE	CR	PC	< 0.5	
NB13E	12/6/94	TRCLE	CR	PC	< 0.5	I
NB13E	1/3/95	TRCLE	CR	PC	< 0.5	
NB13E	2/10/95	TRCLE	CR	PC	< 0.5	
NB13E	3/7/95	TRCLE	CR	PC	< 0.5	
NB13E	4/4/95	TRCLE	CR	PC	< 0.5	
NB13E	5/2/95	TRCLE	CR	PC	< 0.5	
NB13E	6/6/95	TRCLE	CR	PC	< 0.5	
NB13E	7/6/95	TRCLE	CR	PC	< 0.5	
NB13E	8/1/95	TRCLE	CR	PC	< 0.5	
NB13E	9/5/95	TRCLE	CR	PC	< 0.5	
NB13I	10/4/94	111TCE	CR	PC	0.958	1
NB13I	11/1/94	111TCE	CR	PC	0.636	1
NB13I	11/1/94	111TCE	CR	PC	0.684	D1
NB13I	12/6/94	111TCE	CR	PC	0.646	1
NB13I	12/6/94	111TCE	CR	PC	0.564	1D
NB13I	1/3/95	111TCE	CR	PC	1.1	D
NB13I	1/3/95	111TCE	CR	PC	0.916	1
NB13I	2/10/95	111TCE	CR	PC	0.651	1
NB13I	3/7/95	111TCE	CR	PC	0.789	1
NB13I	3/7/95	111TCE	CR	PC	0.643	1D
NB13I	4/4/95	111TCE	CR	PC	0.756	1
NB13I	5/2/95	111TCE	CR	PC	0.607	1
NB13I	5/2/95	111TCE	CR	PC	0.57	1D
NB13I	6/6/95	111TCE	CR	PC	< 1	D
NB13I	6/6/95	111TCE	CR	PC	< 1	
NB13I	7/6/95	111TCE	CR	PC	< 1	
NB13I	8/1/95	111TCE	CR	PC	0.616	1
NB13I	9/5/95	111TCE	CR	PC	1.25	
NB13I	9/5/95	111TCE	CR	PC	1.23	D
NB13I	10/4/94	112TCE	CR	PC	< 1	
NB13I	11/1/94	112TCE	CR	PC	< 1	
NB13I	11/1/94	112TCE	CR	PC	< 1	
NB13I	12/6/94	112TCE	CR	PC	< 1	
NB13I	12/6/94	112TCE	CR	PC	< 1	D
NB13I	1/3/95	112TCE	CR	PC	< 1	D
NB13I	1/3/95	112TCE	CR	PC	1.03	
NB13I	2/10/95	112TCE	CR	PC	< 1	
NB13I	3/7/95	112TCE	CR	PC	< 1	
NB13I	3/7/95	112TCE	CR	PC	< 1	D
NB13I	4/4/95	112TCE	CR	PC	< 1	

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Location	Sample Date	Chemical	Prime Contractor	Laboratory	Concentration	Data Qualifiers
NB13I	5/2/95	112TCE	CR	PC	< 1	D
NB13I	5/2/95	112TCE	CR	PC	< 1	
NB13I	6/6/95	112TCE	CR	PC	< 1	
NB13I	6/6/95	112TCE	CR	PC	< 1	D
NB13I	7/6/95	112TCE	CR	PC	< 1	
NB13I	8/1/95	112TCE	CR	PC	< 1	
NB13I	9/5/95	112TCE	CR	PC	< 1	D
NB13I	9/5/95	112TCE	CR	PC	< 1	
NB13I	10/4/94	11DCE	CR	PC	< 1	
NB13I	11/1/94	11DCE	CR	PC	< 1	
NB13I	11/1/94	11DCE	CR	PC	< 1	D
NB13I	12/6/94	11DCE	CR	PC	< 1	
NB13I	12/6/94	11DCE	CR	PC	< 1	D
NB13I	1/3/95	11DCE	CR	PC	< 1	D
NB13I	1/3/95	11DCE	CR	PC	< 1	
NB13I	2/10/95	11DCE	CR	PC	< 1	
NB13I	3/7/95	11DCE	CR	PC	< 1	
NB13I	3/7/95	11DCE	CR	PC	< 1	D
NB13I	4/4/95	11DCE	CR	PC	< 1	
NB13I	5/2/95	11DCE	CR	PC	< 1	
NB13I	5/2/95	11DCE	CR	PC	< 1	D
NB13I	6/6/95	11DCE	CR	PC	< 1	
NB13I	6/6/95	11DCE	CR	PC	< 1	D
NB13I	7/6/95	11DCE	CR	PC	< 1	
NB13I	8/1/95	11DCE	CR	PC	0.609	1
NB13I	9/5/95	11DCE	CR	PC	0.581	1D
NB13I	9/5/95	11DCE	CR	PC	0.684	1
NB13I	10/4/94	11DCLE	CR	PC	0.601	1
NB13I	11/1/94	11DCLE	CR	PC	< 0.78	
NB13I	11/1/94	11DCLE	CR	PC	0.412	D1
NB13I	12/6/94	11DCLE	CR	PC	0.421	1
NB13I	12/6/94	11DCLE	CR	PC	0.456	D1
NB13I	1/3/95	11DCLE	CR	PC	< 0.78	D
NB13I	1/3/95	11DCLE	CR	PC	< 0.78	
NB13I	2/10/95	11DCLE	CR	PC	< 0.78	
NB13I	3/7/95	11DCLE	CR	PC	0.47	1
NB13I	3/7/95	11DCLE	CR	PC	0.438	1D
NB13I	4/4/95	11DCLE	CR	PC	0.6	1
NB13I	5/2/95	11DCLE	CR	PC	0.552	1D
NB13I	5/2/95	11DCLE	CR	PC	0.551	1
NB13I	6/6/95	11DCLE	CR	PC	0.426	1D
NB13I	6/6/95	11DCLE	CR	PC	< 0.78	

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Location	Sample Date	Chemical	Prime Contractor	Laboratory	Concentration	Data Qualifiers
NB13I	7/6/95	11DCLE	CR	PC	0.498	1
NB13I	8/1/95	11DCLE	CR	PC	0.692	1
NB13I	9/5/95	11DCLE	CR	PC	0.635	1D
NB13I	9/5/95	11DCLE	CR	PC	0.585	1
NB13I	10/4/94	12DCE	CR	PC	0.479	1
NB13I	11/1/94	12DCE	CR	PC	0.307	1
NB13I	11/1/94	12DCE	CR	PC	0.892	D
NB13I	12/6/94	12DCE	CR	PC	0.324	1
NB13I	12/6/94	12DCE	CR	PC	< 0.5	D
NB13I	1/3/95	12DCE	CR	PC	0.326	D1
NB13I	1/3/95	12DCE	CR	PC	0.373	1
NB13I	2/10/95	12DCE	CR	PC	0.302	1
NB13I	3/7/95	12DCE	CR	PC	0.392	1
NB13I	3/7/95	12DCE	CR	PC	0.385	1D
NB13I	4/4/95	12DCE	CR	PC	0.398	1
NB13I	5/2/95	12DCE	CR	PC	0.446	1D
NB13I	5/2/95	12DCE	CR	PC	0.423	1
NB13I	6/6/95	12DCE	CR	PC	0.398	1
NB13I	6/6/95	12DCE	CR	PC	0.401	1D
NB13I	7/6/95	12DCE	CR	PC	0.402	1
NB13I	8/1/95	12DCE	CR	PC	0.46	1
NB13I	9/5/95	12DCE	CR	PC	0.345	1D
NB13I	9/5/95	12DCE	CR	PC	0.35	1
NB13I	10/4/94	12DCLE	CR	PC	0.673	
NB13I	11/1/94	12DCLE	CR	PC	< 0.5	
NB13I	11/1/94	12DCLE	CR	PC	< 0.5	D
NB13I	12/6/94	12DCLE	CR	PC	< 0.5	I
NB13I	12/6/94	12DCLE	CR	PC	< 0.5	DI
NB13I	1/3/95	12DCLE	CR	PC	< 0.5	D
NB13I	1/3/95	12DCLE	CR	PC	< 0.5	
NB13I	2/10/95	12DCLE	CR	PC	1.01	
NB13I	3/7/95	12DCLE	CR	PC	< 0.5	
NB13I	3/7/95	12DCLE	CR	PC	< 0.5	D
NB13I	4/4/95	12DCLE	CR	PC	< 0.5	
NB13I	5/2/95	12DCLE	CR	PC	< 0.5	D
NB13I	5/2/95	12DCLE	CR	PC	< 0.5	
NB13I	6/6/95	12DCLE	CR	PC	< 0.5	
NB13I	6/6/95	12DCLE	CR	PC	< 0.5	D
NB13I	7/6/95	12DCLE	CR	PC	< 0.5	
NB13I	8/1/95	12DCLE	CR	PC	0.592	
NB13I	9/5/95	12DCLE	CR	PC	< 0.5	D
NB13I	9/5/95	12DCLE	CR	PC	< 0.5	

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Location	Sample Date	Chemical	Prime Contractor	Laboratory	Concentration	Data Qualifiers
NB13I	10/4/94	12DCLP	CR	PC	< 1	
NB13I	11/1/94	12DCLP	CR	PC	< 1	
NB13I	11/1/94	12DCLP	CR	PC	< 1	D
NB13I	12/6/94	12DCLP	CR	PC	< 1	
NB13I	12/6/94	12DCLP	CR	PC	< 1	D
NB13I	1/3/95	12DCLP	CR	PC	< 1	D
NB13I	1/3/95	12DCLP	CR	PC	< 1	
NB13I	2/10/95	12DCLP	CR	PC	< 1	
NB13I	3/7/95	12DCLP	CR	PC	< 1	
NB13I	3/7/95	12DCLP	CR	PC	< 1	D
NB13I	4/4/95	12DCLP	CR	PC	< 1	
NB13I	5/2/95	12DCLP	CR	PC	< 1	D
NB13I	5/2/95	12DCLP	CR	PC	< 1	
NB13I	6/6/95	12DCLP	CR	PC	< 1	
NB13I	6/6/95	12DCLP	CR	PC	< 1	D
NB13I	7/6/95	12DCLP	CR	PC	< 1	
NB13I	8/1/95	12DCLP	CR	PC	< 1	
NB13I	9/5/95	12DCLP	CR	PC	< 1	D
NB13I	9/5/95	12DCLP	CR	PC	< 1	
NB13I	12/6/94	AS	CR	PC	ND	
NB13I	3/7/95	AS	CR	PC	ND	
NB13I	6/6/95	AS	CR	PC	ND	
NB13I	10/4/94	C2H3CL	CR	PC	< 1.9	
NB13I	11/1/94	C2H3CL	CR	PC	< 1.9	D
NB13I	11/1/94	C2H3CL	CR	PC	< 1.9	
NB13I	12/6/94	C2H3CL	CR	PC	< 1.9	D
NB13I	12/6/94	C2H3CL	CR	PC	< 1.9	
NB13I	1/3/95	C2H3CL	CR	PC	< 1.9	D
NB13I	1/3/95	C2H3CL	CR	PC	< 1.9	
NB13I	2/10/95	C2H3CL	CR	PC	< 1.9	
NB13I	3/7/95	C2H3CL	CR	PC	< 1.9	
NB13I	3/7/95	C2H3CL	CR	PC	< 1.9	D
NB13I	4/4/95	C2H3CL	CR	PC	< 1.9	
NB13I	5/2/95	C2H3CL	CR	PC	< 1.9	
NB13I	5/2/95	C2H3CL	CR	PC	< 1.9	D
NB13I	6/6/95	C2H3CL	CR	PC	< 1.9	
NB13I	6/6/95	C2H3CL	CR	PC	< 1.9	D
NB13I	7/6/95	C2H3CL	CR	PC	< 1.9	
NB13I	8/1/95	C2H3CL	CR	PC	< 1.9	
NB13I	9/5/95	C2H3CL	CR	PC	< 1.9	D
NB13I	9/5/95	C2H3CL	CR	PC	< 1.9	
NB13I	10/4/94	CCL4	CR	PC	< 1.3	

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Location	Sample Date	Chemical	Prime Contractor	Laboratory	Concentration	Data Qualifiers
NB13I	11/1/94	CCL4	CR	PC	< 1.3	
NB13I	11/1/94	CCL4	CR	PC	< 1.3	D
NB13I	12/6/94	CCL4	CR	PC	< 1.3	D
NB13I	12/6/94	CCL4	CR	PC	< 1.3	
NB13I	1/3/95	CCL4	CR	PC	< 1.3	D
NB13I	1/3/95	CCL4	CR	PC	< 1.3	
NB13I	2/10/95	CCL4	CR	PC	< 1.3	
NB13I	3/7/95	CCL4	CR	PC	< 1.3	
NB13I	3/7/95	CCL4	CR	PC	< 1.3	D
NB13I	4/4/95	CCL4	CR	PC	< 1.3	
NB13I	5/2/95	CCL4	CR	PC	< 1.3	D
NB13I	5/2/95	CCL4	CR	PC	< 1.3	
NB13I	6/6/95	CCL4	CR	PC	< 1.3	
NB13I	6/6/95	CCL4	CR	PC	< 1.3	D
NB13I	7/6/95	CCL4	CR	PC	< 1.3	
NB13I	8/1/95	CCL4	CR	PC	< 1.3	
NB13I	9/5/95	CCL4	CR	PC	< 1.3	D
NB13I	9/5/95	CCL4	CR	PC	< 1.3	
NB13I	10/4/94	CH2CL2	CR	PC	< 3.2	
NB13I	11/1/94	CH2CL2	CR	PC	< 3.2	D
NB13I	11/1/94	CH2CL2	CR	PC	< 3.2	
NB13I	12/6/94	CH2CL2	CR	PC	< 3.2	D
NB13I	12/6/94	CH2CL2	CR	PC	< 3.2	
NB13I	1/3/95	CH2CL2	CR	PC	< 3.2	D
NB13I	1/3/95	CH2CL2	CR	PC	< 3.2	
NB13I	2/10/95	CH2CL2	CR	PC	< 3.2	
NB13I	3/7/95	CH2CL2	CR	PC	< 3.2	
NB13I	3/7/95	CH2CL2	CR	PC	< 3.2	D
NB13I	4/4/95	CH2CL2	CR	PC	< 3.2	
NB13I	5/2/95	CH2CL2	CR	PC	< 3.2	D
NB13I	5/2/95	CH2CL2	CR	PC	1.83	1
NB13I	6/6/95	CH2CL2	CR	PC	< 3.2	
NB13I	6/6/95	CH2CL2	CR	PC	< 3.2	D
NB13I	7/6/95	CH2CL2	CR	PC	< 3.2	
NB13I	8/1/95	CH2CL2	CR	PC	< 3.2	
NB13I	9/5/95	CH2CL2	CR	PC	< 3.2	D
NB13I	9/5/95	CH2CL2	CR	PC	< 3.2	
NB13I	10/4/94	CHCL3	CR	PC	< 0.72	
NB13I	11/1/94	CHCL3	CR	PC	< 0.72	D
NB13I	11/1/94	CHCL3	CR	PC	< 0.72	
NB13I	12/6/94	CHCL3	CR	PC	< 0.72	D
NB13I	12/6/94	CHCL3	CR	PC	< 0.72	

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Location	Sample Date	Chemical	Prime Contractor	Laboratory	Concentration	Data Qualifiers
NB13I	1/3/95	CHCL3	CR	PC	< 0.72	
NB13I	1/3/95	CHCL3	CR	PC	< 0.72	D
NB13I	2/10/95	CHCL3	CR	PC	< 0.72	
NB13I	3/7/95	CHCL3	CR	PC	< 0.72	
NB13I	3/7/95	CHCL3	CR	PC	< 0.72	D
NB13I	4/4/95	CHCL3	CR	PC	< 0.72	
NB13I	5/2/95	CHCL3	CR	PC	< 0.72	
NB13I	5/2/95	CHCL3	CR	PC	< 0.72	D
NB13I	6/6/95	CHCL3	CR	PC	< 0.72	
NB13I	6/6/95	CHCL3	CR	PC	< 0.72	D
NB13I	7/6/95	CHCL3	CR	PC	< 0.72	
NB13I	8/1/95	CHCL3	CR	PC	< 0.72	
NB13I	9/5/95	CHCL3	CR	PC	< 0.72	D
NB13I	9/5/95	CHCL3	CR	PC	< 0.72	
NB13I	10/4/94	T12DCE	CR	PC	ND	T
NB13I	11/1/94	T12DCE	CR	PC	ND	TD
NB13I	11/1/94	T12DCE	CR	PC	ND	T
NB13I	12/6/94	T12DCE	CR	PC	ND	TD
NB13I	12/6/94	T12DCE	CR	PC	ND	T
NB13I	1/3/95	T12DCE	CR	PC	ND	DT
NB13I	1/3/95	T12DCE	CR	PC	ND	T
NB13I	2/10/95	T12DCE	CR	PC	ND	T
NB13I	3/7/95	T12DCE	CR	PC	ND	T
NB13I	3/7/95	T12DCE	CR	PC	ND	TD
NB13I	4/4/95	T12DCE	CR	PC	ND	T
NB13I	5/2/95	T12DCE	CR	PC	ND	TD
NB13I	5/2/95	T12DCE	CR	PC	ND	T
NB13I	6/6/95	T12DCE	CR	PC	ND	T
NB13I	6/6/95	T12DCE	CR	PC	ND	T
NB13I	7/6/95	T12DCE	CR	PC	ND	T
NB13I	8/1/95	T12DCE	CR	PC	ND	T
NB13I	9/5/95	T12DCE	CR	PC	ND	TD
NB13I	9/5/95	T12DCE	CR	PC	ND	T
NB13I	10/4/94	TCLEE	CR	PC	< 1	
NB13I	11/1/94	TCLEE	CR	PC	< 1	
NB13I	11/1/94	TCLEE	CR	PC	< 1	D
NB13I	12/6/94	TCLEE	CR	PC	< 1	D
NB13I	12/6/94	TCLEE	CR	PC	< 1	
NB13I	1/3/95	TCLEE	CR	PC	< 1	D
NB13I	1/3/95	TCLEE	CR	PC	< 1	
NB13I	2/10/95	TCLEE	CR	PC	< 1	
NB13I	3/7/95	TCLEE	CR	PC	< 1	

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Location	Sample Date	Chemical	Prime Contractor	Laboratory	Concentration	Data Qualifiers
NB13I	3/7/95	TCLEE	CR	PC	< 1	D
NB13I	4/4/95	TCLEE	CR	PC	< 1	
NB13I	5/2/95	TCLEE	CR	PC	< 1	D
NB13I	5/2/95	TCLEE	CR	PC	< 1	
NB13I	6/6/95	TCLEE	CR	PC	< 1	I
NB13I	6/6/95	TCLEE	CR	PC	< 1	DI
NB13I	7/6/95	TCLEE	CR	PC	< 1	
NB13I	8/1/95	TCLEE	CR	PC	< 1	
NB13I	9/5/95	TCLEE	CR	PC	< 1	D
NB13I	9/5/95	TCLEE	CR	PC	< 1	
NB13I	10/4/94	TCLTFE	CR	PC	< 1	
NB13I	11/1/94	TCLTFE	CR	PC	< 1	
NB13I	11/1/94	TCLTFE	CR	PC	< 1	D
NB13I	12/6/94	TCLTFE	CR	PC	< 1	D
NB13I	12/6/94	TCLTFE	CR	PC	< 1	
NB13I	1/3/95	TCLTFE	CR	PC	< 1	D
NB13I	1/3/95	TCLTFE	CR	PC	< 1	
NB13I	2/10/95	TCLTFE	CR	PC	< 1	
NB13I	3/7/95	TCLTFE	CR	PC	< 1	
NB13I	3/7/95	TCLTFE	CR	PC	< 1	D
NB13I	4/4/95	TCLTFE	CR	PC	< 1	
NB13I	5/2/95	TCLTFE	CR	PC	< 1	D
NB13I	5/2/95	TCLTFE	CR	PC	< 1	
NB13I	6/6/95	TCLTFE	CR	PC	< 1	
NB13I	6/6/95	TCLTFE	CR	PC	< 1	D
NB13I	7/6/95	TCLTFE	CR	PC	< 1	
NB13I	8/1/95	TCLTFE	CR	PC	< 1	
NB13I	9/5/95	TCLTFE	CR	PC	< 1	D
NB13I	9/5/95	TCLTFE	CR	PC	< 1	
NB13I	10/4/94	TRCLE	CR	PC	16.7	
NB13I	11/1/94	TRCLE	CR	PC	14.7	
NB13I	11/1/94	TRCLE	CR	PC	15.2	D
NB13I	12/6/94	TRCLE	CR	PC	13.8	DI
NB13I	12/6/94	TRCLE	CR	PC	12.3	I
NB13I	1/3/95	TRCLE	CR	PC	13.4	DI
NB13I	1/3/95	TRCLE	CR	PC	13.4	I
NB13I	2/10/95	TRCLE	CR	PC	9.13	
NB13I	3/7/95	TRCLE	CR	PC	11.7	
NB13I	3/7/95	TRCLE	CR	PC	11.8	D
NB13I	4/4/95	TRCLE	CR	PC	11.2	
NB13I	5/2/95	TRCLE	CR	PC	10.7	
NB13I	5/2/95	TRCLE	CR	PC	10.9	D

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Location	*Sample Date*	*Chemical*	*Prime Contractor*	*Laboratory*	*Concentration*	*Data Qualifiers*
NB13I	6/6/95	TRCLE	CR	PC	11.9	
NB13I	6/6/95	TRCLE	CR	PC	12.4	D
NB13I	7/6/95	TRCLE	CR	PC	13.1	
NB13I	8/1/95	TRCLE	CR	PC	16.5	
NB13I	9/5/95	TRCLE	CR	PC	18	D
NB13I	9/5/95	TRCLE	CR	PC	17.9	

Notes:
CR - Conestoga-Rovers & Associates
PC - Pace Laboratories
ND - Not detected
D - Duplicate analysis
I - Interferences in sample make quantitation and/or identification to be suspect
1 - Result is less than the Certified Reporting Limit but greater than the Criteria of Detection
T - Non-target compound analyzed for but not detected (non-GC/MS methods)