Mixed Waste Management Facility Groundwater Monitoring Report

by

J. Chase

Westinghouse Savannah River Company

Savannah River Site

Aiken, South Carolina 29808

Exploration Resources

MASTER

DOE Contract No. **DE-AC09-96SR18500**

This paper was prepared in connection with work done under the above contract number with the U. S. Department of Energy. By acceptance of this paper, the publisher and/or recipient acknowledges the U. S. Government's right to retain a nonexclusive, royalty-free license in and to any copyright covering this paper, along with the right to reproduce and to authorize others to reproduce all or part of the copyrighted paper.

DISTRIBUTION OF THIS DOCUMENT IS UNLIMITED

MIXED WASTE MANAGEMENT FACILITY GROUNDWATER MONITORING REPORT (U)

**FOURTH QUARTER 1997
AND 1997 SUMMARY**

Publication Date: March 1998

Authorized Derivative Classifier
and Reviewing Official:

UNCLASSIFIED
Does Not Contain Unclassified
Controlled Nuclear Information

Westinghouse Savannah River Company
Savannah River Site
Aiken, SC 29808

DISCLAIMER

This report was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof.

This report has been reproduced directly from the best available copy.

Available to DOE and DOE contractors from the Office of Scientific and Technical Information, P.O. Box 62, Oak Ridge, TN 37831; prices available from (615) 576-8401.

Available to the public from the National Technical Information Service, U.S. Department of Commerce, 5285 Port Royal Road, Springfield, VA 22161.

DISCLAIMER

**Portions of this document may be illegible
electronic image products. Images are
produced from the best available original
document.**

MIXED WASTE MANAGEMENT FACILITY GROUNDWATER MONITORING REPORT (U)

**FOURTH QUARTER 1997
AND 1997 SUMMARY**

Publication Date: March 1998

Key Words

**BGO wells
Burial Ground Complex
tetrachloroethylene
trichloroethylene
tritium**

**Westinghouse Savannah River Company
Savannah River Site
Aiken, SC 29808**

Prepared for the U.S. Department of Energy under Control Contract No. DE-AC09-89SR18035

THIS PAGE LEFT BLANK INTENTIONALLY.

Abstract

During fourth quarter 1997, eleven constituents exceeded final Primary Drinking Water Standards (PDWS) in groundwater samples from downgradient monitoring wells at the Mixed Waste Management Facility. No constituents exceeded final PDWS in samples from the upgradient monitoring wells.

As in previous quarters, tritium and trichloroethylene were the most widespread elevated constituents. Carbon tetrachloride, chloroethene, chloroform, dichloromethane, 1,1-dichloroethylene, gross alpha, nonvolatile beta, strontium-90, and tetrachloroethylene also exceeded final PDWS in one or more wells. Elevated constituents were found in numerous Aquifer Zone IIB₂ (Water Table) and Aquifer Zone IIB₁ (Barnwell/McBean) wells and in six Aquifer Unit IIA (Congaree) wells.

The groundwater flow directions and rates in the three hydrostratigraphic units were similar to those of previous quarters.

THIS PAGE LEFT BLANK INTENTIONALLY.

Contents

	Page
Abstract	iii
List of Figures	vi
List of Tables	viii
Executive Summary	1
Introduction	3
Description of Facilities	3
Hydrostratigraphic Units	5
Discussion	6
Groundwater Monitoring Data	6
Integrity of the Monitoring Well Network	6
Analytical Results Exceeding Standards	7
Trichloroethylene and Tritium Time-Trend Data	8
Water Levels	10
Groundwater Flow Rates and Directions	10
Upgradient vs. Downgradient Results	12
Quality Control Results	12
Conclusions	13
1997 Summary	14
Errata	16
Appendix A—Final Primary Drinking Water Standards	A-1
Appendix B—Flagging Criteria	B-1
Appendix C—Figures	C-1
Appendix D—Groundwater Monitoring Results Tables	D-1
Appendix E—Data Quality/Usability Assessment	E-1
Appendix F—Time Series Plots	F-1
Appendix G—Hydrographs	G-1

List of Figures

	Page
1. Location of the Mixed Waste Management Facility at the Savannah River Site	C-3
2. Location of the Groundwater Monitoring Wells at the Mixed Waste Management Facility, the Old Burial Ground, the E-Area Vaults, the Hazardous Waste/Mixed Waste Disposal Vaults (the Burial Ground Complex), and the F-Area Sewage Sludge Application Site	C-4
3. Hydrostratigraphic Nomenclature	C-5
4. Location of Aquifer Zone IIB ₂ (Water Table) Wells at the Burial Ground Complex.....	C-6
5. Location of Aquifer Zone IIB ₁ (Barnwell/McBean) Wells at the Burial Ground Complex	C-7
6. Location of Aquifer Unit IIA (Congaree) Wells at the Burial Ground Complex	C-8
7. Trichloroethylene Concentrations in Aquifer Zone IIB ₂ (Water Table) at the Burial Ground Complex, Fourth Quarter 1997.....	C-9
8. Trichloroethylene Concentrations in Aquifer Zone IIB ₁ (Barnwell/McBean) at the Burial Ground Complex, Fourth Quarter 1997.....	C-10
9. Trichloroethylene Concentrations in Aquifer Unit IIA (Congaree) at the Burial Ground Complex, Fourth Quarter 1997.....	C-11
10. Tritium Activities in Aquifer Zone IIB ₂ (Water Table) at the Burial Ground Complex, Fourth Quarter 1997	C-12
11. Tritium Activities in Aquifer Zone IIB ₁ (Barnwell/McBean) at the Burial Ground Complex, Fourth Quarter 1997	C-13
12. Tritium Activities in Aquifer Unit IIA (Congaree) at the Burial Ground Complex, Fourth Quarter 1997	C-14
13. Piezometric Surface Map of Aquifer Zone IIB ₂ (Water Table) at the Burial Ground Complex, Fourth Quarter 1997.....	C-15
14. Potentiometric Surface Map of Aquifer Zone IIB ₁ (Barnwell/McBean) at the Burial Ground Complex, Fourth Quarter 1997.....	C-16
15. Potentiometric Surface Map of Aquifer Unit IIA (Congaree) at the Burial Ground Complex, Fourth Quarter 1997.....	C-17

List of Tables

1.	Average Water Elevations (ft msl) in the Hydrostratigraphic Units beneath the MWMF	10
2.	Estimated Horizontal Groundwater Flow Rates (ft/year) in the Hydrostratigraphic Units beneath the MWMF	11
D-1.	Constituents Exceeding the Primary Drinking Water Standard	D-7
D-2.	Constituents Exceeding the SRS Flag 2 Criteria	D-12
D-3.	Groundwater Monitoring Results for Individual Wells	D-18

THIS PAGE LEFT BLANK INTENTIONALLY

Executive Summary

During 1997, 148 wells monitored groundwater quality in the uppermost aquifer beneath the Mixed Waste Management Facility (MWMF) at the Savannah River Site as required by the South Carolina Hazardous Waste Management Regulations and settlement agreements 87-52-SW and 91-51-SW. Samples from the wells are analyzed for selected heavy metals, indicator parameters, radionuclides, volatile organic compounds, and other constituents.

During fourth quarter 1997, approximately 57 percent of the downgradient wells at the MWMF contained one or more constituents that exceeded final Primary Drinking Water Standards (PDWS). These elevated constituents included carbon tetrachloride, chloroethene, chloroform, 1,1-dichloroethylene, dichloromethane, gross alpha, nonvolatile beta, strontium-90, tetrachloroethylene, trichloroethylene, and tritium. Consistent with historical trends, elevated constituent levels were found primarily in Aquifer Zone IIB₂ (Water Table) and Aquifer Zone IIB₁ (Barnwell/McBean). However, six wells in Aquifer Unit IIA (Congaree) contained elevated constituents.

As in previous quarters, tritium and trichloroethylene were the most widespread elevated constituents. Sixty six (45%) of the 148 monitoring wells contained tritium activities in excess of the PDWS. Trichloroethylene concentrations exceeded the final PDWS in 28 (19%) of the wells.

Groundwater flow directions and rates in Aquifer Zone IIB₂ (Water Table), Aquifer Zone IIB₁ (Barnwell/McBean), and Aquifer Unit IIA (Congaree) were generally similar to those of previous quarters.

THIS PAGE LEFT BLANK INTENTIONALLY.

Introduction

Description of Facilities

The Mixed Waste Management Facility (MWMF) is part of the Burial Ground Complex, which also includes the Old Burial Ground, the Low-Level Radioactive Waste Disposal Facility (LLRWDF), the E-Area Vaults, and the proposed Hazardous Waste/Mixed Waste Disposal Vaults (HWMWDV). The Burial Ground Complex is located in the central part of the Savannah River Site (SRS) (Figures 1 and 2, Appendix C) within the General Separations Area. The following description outlines important events in the history of the MWMF:

- In 1972, the MWMF began receiving various radioactive and nonradioactive wastes (Heffner and Exploration Resources, 1991).
- A closure plan for the MWMF was filed November 23, 1985, with the South Carolina Department of Health and Environmental Control (SCDHEC) (Jaegge et al., 1987). The closure plan included placing a low permeability cap and final vegetative cover over the facility.
- The MWMF became inactive in 1986 (WSRC, 1993b).
- A consent decree between the U.S. Department of Energy and the Natural Resources Defense Council et al. (Civil Action 1:85-2583-6, U.S. District Court, District of South Carolina, Aiken Division), signed May 26, 1988, and effective June 1, 1988, identified the MWMF as subject to the requirements of Subtitle C of the Resource Conservation and Recovery Act (RCRA).
- SCDHEC approved an interim status closure plan for the MWMF in December 1990 and accepted the closure certification in April 1991 in accordance with South Carolina Hazardous Waste Management Regulations (SCHWMR), Subpart G (SCDHEC, 1993).
- A RCRA Part B post-closure care permit application renewal was submitted to SCDHEC in November 1992 (WSRC, 1992a). This permit application included the 58-acre MWMF and the 13-acre Solvent Rag Portions of the LLRWDF as agreed upon by SRS and SCDHEC in settlement agreements 87-52-SW (May 10, 1991) and 91-51-SW (August 26, 1991).
- A closure plan for the Solvent Rag Portions was submitted to SCDHEC in August 1993 (WSRC, 1993b).
- A revised RCRA Part B post-closure care permit application renewal, containing a groundwater corrective-action plan, was submitted to SCDHEC on November 30, 1993 (WSRC, 1993c).
- Beginning first quarter 1994, wells FSS 1D, 2D, 3D, and 4D, located at the F-Area Sewage Sludge Application Site, were added to the MWMF monitoring well network. As a conditional requirement for the closure of the F-Area Sewage Sludge Application Site, the FSS monitoring wells are monitored for radionuclides related to the Burial Ground Complex.
- Revision 1 of the field investigation plan for the Burial Ground Complex (WSRC, 1993a), submitted to SCDHEC in September 1993, was approved in full on October 6, 1994. The field investigation plan addresses data uncertainties that were identified during the preparation of the MWMF RCRA Part B post-closure care permit application renewal.
- Phase 1 of the field investigation plan field work was divided into the following subphases: 1A—installation of 12 groundwater monitoring wells, 1B—exploratory work in the southwest corner of the Burial Ground Complex using direct push technology and exploratory borings, 1C—exploratory work in the northeast corner of the Burial Ground Complex using direct-push technology and exploratory borings, and 1D—soil gas survey. Subphases 1B and 1C determined the horizontal and vertical

extent of groundwater contamination away from the Burial Ground Complex. All activities of Phase 1 have been completed.

- In January 1995, a field investigation preliminary data report (No. 1) (WSRC, 1995) was submitted to provide the data obtained during Phases 1A, 1B, and 1D. Phase 1C data were not completed by submittal time; therefore, they were not included in the report.
- Phase 2 of the field investigation plan field work was divided into the following subphases: 2A--installation of 11 groundwater monitoring wells, 2B--soil sampling in and around the Burial Ground Complex to determine the source of contamination and background soil sampling, which will be used to establish "trigger levels" of potential contamination at the Burial Ground Complex, 2C--exploratory work around the Burial Ground Complex using direct-push technology (cone penetrometer and hydropunch) and exploratory borings, 2D--vadose sampling in and around the Burial Ground Complex to determine hydraulic conductivity of the vadose zone, and 2E--Fourmile Branch ecological sampling. The groundwater wells of subphase 2A have been installed. The first part of subphase 2B (background soil sampling) and the cone penetrometer logging and water sampling have been completed. Due to budgetary cutbacks, the remaining field work associated with Phases 2B, 2C, 2D, and 2E was postponed until 1996.
- The 23 groundwater monitoring wells installed in and around the Burial Ground Complex in 1994 as part of Phases 1A and 2A of the Burial Ground Complex field investigation plan (WSRC, 1993a) were scheduled for sampling for the first time during first or fourth quarters 1995.
- Quarterly groundwater monitoring at the Burial Ground Complex has been discontinued. The current sampling strategy is as follows: the POC wells are sampled twice a year, the plume assessment wells are sampled annually, and 20% of the POC wells are sampled annually for an expanded analyte list. In 1996, the groundwater monitoring report became an annual publication.
- The remaining Phase 2 activities (2B, 2C, 2D, and 2E) were completed in 1996.
- In January 1996, wells BGO 3D, 11D, 12AR, 12CR, 12D, and 19D were abandoned and replaced by wells BGO 3DR, 11DR, 12AX, 12CX, 12DR, and 19DR. These wells were replaced due to interference with the construction of the LLRWDF cap. Sampling began at these new wells during second quarter 1996.
- In March 1996, RCRA cap construction on the remaining portions of the LLRWDF began. A field investigation data report (No. 2), summarizing Phase 2 activities, was submitted to SCDHEC in April 1996.
- In June 1996, wells BGO 22D and 22DR were abandoned due to construction of the LLRWDF cap and replaced with well BGO 22DX.
- In August 1996, revision 4 of the MWMF RCRA Part B post-closure care permit application was submitted to SCDHEC for review.
- In August 1996, construction activities of an interim soil cover over the Old Burial Ground began. Deep rock boring DRB 3W and piezometers P-1A, -1B, and -1C were abandoned in September 1996.
- In January 1997, 68 old groundwater monitoring wells in the Burial Ground Complex were abandoned due to age, lack of maintenance and sampling, and type of well materials.
- In February 1997, Phase 3E of the Burial Ground Complex field investigation plan was completed. This work involved the sampling of surface water and sediment from Upper Three Runs Creek wetlands.
- In September 1997, six multiscreened wells were installed in the southeast plume area of the BGC. These wells were installed to provide long term groundwater monitoring of contaminant migration and impact on the hydrology due to the pump-treat-re-inject treatment system at the H-Area Seepage Basins.

Hydrostratigraphic Units

Historically, groundwater quality assessment reports for the MWMF have used the lithostratigraphic nomenclature *Water Table*, *Barnwell*, *McBean*, and *Congaree* to identify hydrologic units. However, an interim alphanumeric system developed by Aadland and Bledsoe (1990) (Figure 3, Appendix C) defines the aquifer and aquitard units at SRS using hydrostratigraphic designations. Figure 4 (Appendix C) shows a correlation of these designations. This report uses both nomenclatures. The November 1992 MWMF RCRA Part B post-closure care permit application renewal includes an in-depth explanation of this nomenclature and a detailed description of the geologic and hydrogeologic systems at the Burial Ground Complex (WSRC, 1992a).

The MWMF well network monitors three distinct hydrostratigraphic units in the uppermost aquifer beneath the facility: Aquifer Zone IIB₂ (Water Table), which is underlain by Confining Zone IIB₁–IIB₂ (Tan Clay); the semi-confined Aquifer Zone IIB₁ (Barnwell/McBean); and the semi-confined Aquifer Unit IIA (Congaree), which is separated from the overlying Aquifer Zone IIB₁ by Confining Unit IIA–IB (Green Clay). The boundary between the uppermost aquifer and the principal confining unit is the uppermost confining bed of Confining System I–II (Ellenton Formation), which lies approximately 300 ft below the surface of the Burial Ground Complex.

Discussion

Groundwater Monitoring Data

The sampling procedure for pumped wells (WSRC, 1992b) requires evacuation of a minimum of two well volumes and stabilization of pH, specific conductance, and turbidity prior to sample collection. Stability is established when a minimum of three successive measurements, taken within a given time period, are within a specified tolerance range. If a well pumps dry before two well volumes are purged or before stabilization is achieved, it must be revisited within 24 hours for the data to be considered from a single sampling event. On the second visit within 24 hours, samples are taken without further purging or stability measurements; thus, these samples may not be representative of groundwater quality.

Wells BGO 3A, 3C, 3DR, 11DR, 12AX, 12CX, 12DR, 19DR, 20A, 20AA, 20B, 20C, 39A, 39C, 51A, 51AA, 51B, 51C, 51D, 52A, 52AA, 52B, 52C, 52D, 53A, 53AA, 53B, 53C, and 53D have variable-speed centrifugal downhole pumps. All remaining wells in the BGO series and all wells in the BGX, FSS, and HMD series and in cluster HSB 85 have single-speed centrifugal downhole pumps.

During fourth quarter 1997, groundwater samples from the MWMF were analyzed for selected heavy metals, indicator parameters, radionuclides, volatile organic compounds and other constituents. This report describes the results that equaled or exceeded the following standards:

- Safe Drinking Water Act final Primary Drinking Water Standards (PDWS) or drinking water screening levels, as established by the U.S. Environmental Protection Agency (EPA) (Appendix A)
- the South Carolina final PDWS for lead (Appendix A)
- SRS flagging criteria based on PDWS, Secondary Drinking Water Standards, or method detection limits (Appendix B)

For simplicity, results that equaled or exceeded standards are described as *exceeding* standards, *above* standards, or as *elevated*.

Both field and laboratory pH results are provided in this report. The field measurements are considered more reflective of actual groundwater conditions; however, laboratory pH measurements are required by current regulations. Because shipping time to the analytical laboratory for pH analyses exceeds both the SCDHEC holding time (the time between sample collection and analysis) of 15 minutes and the prescribed analytical method holding time, laboratory pH measurements always exceed the holding time.

The standards for individual analytes provided in Appendix A may not always match the SRS flagging criteria provided in Appendix B. Appendix A standards are used as guidelines in this compliance report to meet regulatory requirements; the flagging criteria are used by EPD/EMS to identify relative levels of constituents in the groundwater and as guides for scheduling groundwater sampling.

Integrity of the Monitoring Well Network

The current groundwater monitoring well network at the MWMF (Figure 2, Appendix C) is composed of the following:

- 58 Aquifer Zone IIB₂ (Water Table) wells (Figure 5, Appendix C):
BGO 1D, 2D, 3DR, 4D, 5D, 6D, 7D, 8D, 9D, 10DR, 11DR, 12DR, 14DR, 15D, 16D, 17DR, 18D, 19DR, 20D, 21D, 22DX, 23D, 24D, 26D, 27D, 28D, 29D, 30D, 31D, 32D, 33D, 34D, 35D, 36D, 37D, 38D, 39D, 40D, 44D, 45D, 46D, 47D, 48D, 49D, 50D, 51D, 52D, 53D; BGX 1D, 9D, 10D, 11D, 12D; FSS 1D, 2D, 3D, 4D; HSB 85C
- 56 Aquifer Zone IIB₁ (Barnwell/McBean) wells (Figure 6, Appendix C):

BGO 3C, 5C, 6B, 6C, 8C, 10B, 10C, 12CX, 13DR, 14CR, 16B, 20B, 20C, 27C, 29C, 30C, 31C, 33C, 35C, 37C, 39C, 42C, 43CR, 43D, 44B, 44C, 45B, 45C, 46B, 46C, 47C, 48C, 49C, 50C, 51B, 51C, 52B, 52C, 53B, 53C; BGX 1C, 2B, 2D, 3D, 4C, 4D, 5D, 6D, 7D, 8DR, 12C; HMD 1D, 2D, 3D, 4D; HSB 85B

- **34 Aquifer Unit IIA (Congaree) wells (Figure 7, Appendix C):**

BGO 3A, 6A, 8AR, 9AA, 10AA, 10AR, 12AX, 14AR, 16AR, 18A, 20A, 20AA, 25A, 26A, 29A, 39A, 41A, 43A, 43AA, 44A, 44AA, 45A, 47A, 49A, 50A, 51A, 51AA, 52A, 52AA, 53A, 53AA; BGX 1A, 4A; HSB 85A

The designated background wells for Aquifer Zone IIB₂ (Water Table) are wells BGO 1D and 2D and HSB 85C; well HSB 85B is the background well for Aquifer Zone IIB₁ (Barnwell/McBean); and well HSB 85A is the background well for Aquifer Unit IIA (Congaree).

Table D-3 provides codes that identify unusual sampling events during each quarter of sampling in 1997. Metals were not shipped due to high turbidity for well FSS 2D. Well BGO 49D was not sampled and no reason was given. Other unusual sampling events (with applicable sampling codes in parentheses) occurred as follows during fourth quarter 1997.

- Wells that went dry during purging and revisited within 24 hours (X):
BGO 1D, 4D, 5D, 6B, 6D, 9AA, 9D, 10B, 10C, 10DR, 13DR, 14CR, 16B, 16D, 17DR, 20D, 23D, 24D, 25A, 26A, 26D, 27D, 28D, 29C, 29D, 30C, 30D, 31C, 31D, 33D, 34D, 35D, 36D, 37D, 38D, 41A, 42C, 43A, 43CR, 44B, 44C, 45B, 45C, 46C, 50A, 50C, 51D; BGX 1A, 1C, 1D, 2D, 3D, 5D, 10D, 11D, 12D; FSS 1D, 2D, 3D, 4D; HMD 1D, 4D; HSB 85B
- Wells that could not be sampled because they were inaccessible or had mechanical problems (P):
BGO 2D, 3C, 5C, 18A, 21D, 32D, 52B, 53D

Analytical Results Exceeding Standards

Results for analytes that exceeded the final PDWS during fourth quarter 1997 are summarized in Table D-1 and described below. In the text description, the maximum level for each constituent is indicated in parentheses following the well in which it was detected.

Aquifer Zone IIB₂ (Water Table): 38 of the 58 wells contained elevated constituents during fourth quarter 1997.

- Tritium was elevated in 32 wells: **BGO 3DR, 4D, 5D, 6D, 7D, 8D, 9D, 10DR, 11DR, 14DR, 15D, 19DR, 20D, 23D, 27D, 28D, 30D, 31D, 33D, 35D, 36D, 37D, 38D, 46D** (maximum activity at $3.9\text{E}+04$ pCi/mL), **47D, 48D, 50D, 51D, and 52D; BGX 1D; and FSS 2D and 3D.**
- Trichloroethylene was elevated in 13 wells: **BGO 3DR** (maximum concentration at 270 µg/L), **7D, 14DR, 15D, 16D, 26D, 28D, 30D, 46D, 47D, 48D and 50D; BGX 10D.**
- Gross alpha was elevated in 3 wells: **BGO 30D and 48D** (maximum activity at $3.8\text{E}+01$ pCi/L); and **BGX 11D.**
- Tetrachloroethylene was elevated in 3 wells: **BGO 15D, 46D, and 48D** (maximum concentration at 14 µg/L).
- Chloroethene was elevated in 4 wells: **BGO 27D, 28D** (maximum concentration at 25 µg/L), **30D, and 46D.**
- Strontium-90 was elevated in well **BGO 11DR.**
- Nonvolatile beta was elevated in well **BGO 19DR.**

Aquifer Zone IIB₁ (Barnwell/McBean): 39 of the 57 wells contained elevated constituents during fourth quarter 1997.

- Tritium was elevated in 32 wells: **BGO** 6B, 6C, 10B, 12CX, 13DR, 14CR, 27C, 29C, 30C, 31C, 33C, 35C, 37C (maximum activity at 2.1E+05 pCi/mL), 44B, 44C, 45C, 46C, 47C, 48C, 49C, 50C, and 53C; **BGX** 1C, 2D, 3D, 4D, 5D, 6D, 7D, and 8DR; and **HMD** 1D and 3D.
- Trichloroethylene was elevated in 11 wells: **BGO** 14CR, 27C, 30C, 33C, 35C, 37C (maximum concentration at 1200 µg/L), 42C, 46C, 48C, and 53C; and **BGX** 2D.
- Tetrachloroethylene was elevated in 2 wells: **BGO** 33C and 37C (maximum concentration at 50 µg/L).
- Carbon tetrachloride was elevated in well **BGO** 37C.
- Chloroethene was elevated in well **BGO** 37C.
- Chloroform was elevated in well **BGO** 37C.
- 1,1-Dichloroethylene was elevated in well **BGO** 37C.
- Dichloromethane was elevated in well **HMD** 2D.
- Gross Alpha was elevated in well **BGO** 43CR.

Aquifer Unit IIA (Congaree): 8 of the 33 wells contained elevated constituents during fourth quarter 1997.

- Tritium was elevated in 2 wells: **BGO** 3A and **BGX** 1A (maximum activity at 5.0E+02 pCi/mL).
- Trichloroethylene was elevated in 4 wells: **BGO** 29A, 26A, 41A (maximum concentration at 10 µg/L), and **BGX** 1A.
- Nonvolatile beta was elevated in 2 wells: **BGO** 8AR (maximum activity at 5.6E+01 pCi/L) and 9AA.
- Gross alpha was elevated in 3 wells: **BGO** 9AA, 41A, and 50A (maximum activity at 2.5E+01 pCi/L).

Results for analytes that exceeded other SRS flagging criteria during fourth quarter 1997 are summarized in Table D-2 of Appendix D.

Table D-3 shows complete field and analytical results for all the wells and indicates the analytical laboratories that conducted the analyses, the dilution factors used in the analyses, and the analyses that received modifiers (which help identify laboratory accuracy and precision) or that exceeded the EPA-approved holding times during fourth quarter 1997. Constituent results in Table D-3 that appear to equal the final PDWS but are not marked in the *ST* column (exceeded final PDWS or screening level) are below the final PDWS in the database. Database results, the results that are compared to the final PDWS, are entered with more significant digits than the results given in this report. Apparent discrepancies are the result of the rounding of reported results.

In addition to the results tables, Appendix D provides definitions of the abbreviations and the modifiers used in the results tables as well as descriptions of holding times, data rounding, and data qualification practices. Appendix E provides a general assessment of the quality and usability of the data.

Isoconcentration maps of lead, trichloroethylene, and tritium in Aquifer Zone IIB₂ (Water Table), Aquifer Zone IIB₁ (Barnwell/McBean), and Aquifer Unit IIA (Congaree) wells during fourth quarter 1997 appear in Figures 8 through 10 and 17 through 22 (Appendix C). Postings of pH and specific conductance results appear in Figures 11 through 16 (Appendix C).

Trichloroethylene and Tritium Time-Trend Data

Time series plots from first quarter 1991 through fourth quarter 1997 for wells containing trichloroethylene and tritium are presented in Appendix F. A statistical analysis, part of the 1992 MWMF RCRA Part B post-closure care permit application renewal, identified trichloroethylene and tritium as among the constituents of concern. Statements concerning relative levels of these constituents are provided below.

Trichloroethylene concentrations have exhibited the following trends since first quarter 1991:

- Trichloroethylene concentrations in wells **BGO** 2D, 3C, 3D, 4D, 5C, 5D, 6A, 6B, 6C, 8AR, 8C, 9AA, 9D, 10AA, 10AR, 10B, 10C, 10DR, 11DR, 12AX, 12DR, 13DR, 14AR, 16AR, 16B, 18A, 18D, 19D, 19DR, 20A, 20AA, 20B, 20C, 20D, 21D, 22DR, 23D, 24D, 25A, 27D, 29D, 31D, 33D, 34D, 35D, 36D, 37D, 38D, 39A, 39C, 39D, 43A, 43AA, 43CR, 43D, 44A, 44AA, 44B, 44D, 45A, 45B, 45C, 45D, 47A, 49A, 49C, 49D, 50A, 51A, 51AA, 51B, 51C, 51D, 52A, 52AA, 52B, 52C, 52D, 53A, and 53AA; **BGX** 1A, 1C, 1D, 2B, 4A, 4D, 5D, 6D, 7D, 9D, 10D, 11D, 12C, and 12D; **FSS** 1D, 2D, and 3D; and **HMD** 1D, 2D, 3D, and 4D have been consistently below or near detection limits. Concentrations in wells **BGO** 2D, 4D, 21D, 22DR, 24D, 25A, 34D, 36D; **BGX** 6D, 9D, 11D; **FSS** 1D, 2D, 3D; **HMD** 2D, 4D; and in well clusters **BGO** 19, 20, 51, 52 and **HSB** 85 have not exceeded the detection limits during the period represented on the time series plots and so do not appear in Appendix F.
- Trichloroethylene concentrations have not exceeded the final PDWS in upgradient wells **BGO** 1D and **HSB** 85A, 85B, and 85C.
- Trichloroethylene concentrations in wells **BGO** 3A, 8D, 11D, 12AR, 17DR, 29A, 29C, 31C, 32D, 41A, 40D, 44C, 46B, 47C, and 48C; **BGX** 3D, 4C, and 8DR; **FSS** 4D have been consistently near or below the final PDWS.
- Wells **BGO** 3DR, 6D, 7D, 12CR, 12CX, 12D, 14CR, 14DR, 15D, 16D, 26D, 27C, 28D, 30C, 30D, 33C, 35C, 37C, 42C, 46C, 46D, 47D, 48D, 50D, and 53C, and **BGX** 2D have exhibited concentrations of trichloroethylene that consistently exceeded the final PDWS.
- Well **BGO** 37C, screened in Aquifer Zone IIB₁ (Barnwell/McBean), has consistently exhibited the highest trichloroethylene concentrations.
- Other wells have exhibited somewhat erratic activities, ranging from relatively high above the final PDWS to below the final PDWS (e.g., well **BGO** 50C).
- Data are insufficient to determine trends or do not suggest trends for other wells.

Tritium activities have exhibited the following trends since first quarter 1991:

- Tritium activities in wells **BGO** 6A, 8AR, 9AA, 10AA, 10AR, 12AR, 12AX, 16AR, 18A, 20A, 20AA, 20B, 25A, 26A, 39A, 41A, 43AA, 44A, 49A, 50A, 51A, 51AA, 51B, 52A, 52AA, 52C, 53A, 53AA, and 53B; **BGX** 4A and 12C have been consistently near or below detection limits.
- Tritium activities have not exceeded the final PDWS in upgradient wells **BGO** 1D and **HSB** 85A, 85B, and 85C.
- Tritium activities in wells **BGO** 2D, 3C, 8C, 12CR, 14AR, 16B, 17DR, 18D, 20C, 20D, 24D, 26D, 29A, 29D, 33D, 34D, 39C, 40D, 42C, 43A, 43CR, 43D, 44AA, 45A, 45B, 47A, and 51C; **BGX** 2B, 4C, 6D, 9D, 10D, 11D, and 12D; **FSS** 1D and 4D; and **HMD** 2D, 3D, and 4D have been consistently near or below the final PDWS.
- Wells **BGO** 3A, 3D, 5C, 6C, 6D, 7D, 10DR, 11D, 11DR, 12CX, 12D, 13DR, 14CR, 15D, 16D, 19D, 19DR, 21D, 22DR, 23D, 27C, 28D, 29C, 30C, 30D, 31C, 32D, 33C, 35C, 35D, 36D, 37D, 38D, 39D, 44B, 44C, 44D, 45C, 45D, 46C, 46D, 47C, 47D, 48C, 48D, 49C, 49D, 50C, 50D, 51D, 52D, and 53C; **BGX** 1A, 1C, 1D, 2D, 3D, 5D, 7D, and 8DR; and **FSS** 2D and 3D have exhibited tritium levels that have consistently exceeded the final PDWS.
- Well **BGO** 28D, located in Aquifer Zone IIB₂ (Water Table) at the west edge of the Old Burial Ground, has, historically, consistently exhibited the highest tritium activities, exceeding 1.0E+05 pCi/mL during most quarters. However, during the last three years this tritium activity has declined. Furthermore, during the last two years, well **BGO** 37C has exhibited the highest levels of tritium activity with values as high as 1.6E+05 and 2.1E+05, respectively.

- Some wells have exhibited erratic activities, ranging from relatively high above the final PDWS to below the final PDWS (e.g., wells BGO 4D, 5D, 6B, 8D, 9D, 10B, 10C, 14DR, 27D, 31D, and 46B; BGX 4D; and HMD 1D and 3D).
- Data are insufficient to determine trends or do not suggest trends for other wells.

Tritium activities in wells BGO 12AR, 12CR, 12D, 14AR, 14DR, 26D, 29A, 34D, 35C, 36D, 37D, 38D, 39D; BGX 2D; and FSS 4D appear to have been anomalously high during fourth quarter 1991 as compared to preceding and more recent quarters.

Water Levels

Hydrographs for selected wells and well clusters at the MWMF are provided in Appendix G. Average water elevations for all the wells in each of the three hydrostratigraphic units beneath the MWMF for the past four quarters are shown in Table 1.

Table 1. Average Water Elevations (ft msl) in the Hydrostratigraphic Units beneath the MWMF

Unit	1Q97	2Q97	3Q97	4Q97
Aquifer Zone IIB ₂ (Water Table)	229.48	229.07	228.85	228.74
Aquifer Zone IIB ₁ (Barnwell/McBean)	218.5	218.23	217.71	219.95
Aquifer Unit IIA (Congaree)	160.16	159.91	159.56	159.99

During fourth quarter 1997, the water level in Aquifer Zone IIB₂ (Water Table) declined an average of .11 ft compared to third quarter 1997, the water level in Aquifer Zone IIB₁ (Barnwell/McBean) rose an average of 1.79 ft, and the water level in Aquifer Unit IIA (Congaree) rose an average of .43 ft.

A consistent vertical head relationship exists among the hydrostratigraphic units monitored at the MWMF. Flow potential is downward from Aquifer Zone IIB₂ (Water Table) to Aquifer Zone IIB₁ (Barnwell/McBean) and downward from Aquifer Zone IIB₁ (Barnwell/McBean) to Aquifer Unit IIA (Congaree). This relationship, which was first noted in 1988, exists at all BGO well clusters.

Groundwater Flow Rates and Directions

Groundwater flow diverges in Aquifer Zone IIB₂ (Water Table) and Aquifer Zone IIB₁ (Barnwell/McBean), with flows toward Fourmile Branch to the southwest and Upper Three Runs Creek to the north (using universal transverse Mercator coordinates [UTM]). Groundwater in Aquifer Unit IIA (Congaree) flows to the northwest toward Upper Three Runs Creek. Fourmile Branch incises Aquifer Zones IIB₂ (Water Table) and IIB₁ (Barnwell/McBean) but not Aquifer Zone IIA (Congaree), creating a discharge for the upper two units only. Upper Three Runs Creek incises Aquifer Zone IIB₂ (Water Table), Aquifer Zone IIB₁ (Barnwell/McBean), and Aquifer Unit IIA (Congaree), creating a discharge for all three units.

Because the topography slopes downward near Upper Three Runs Creek, groundwater conditions change in this area. As indicated in Figure 23 (Appendix C), Aquifer Zone IIB₂ (Water Table) has a northern limit of saturation. North of this limit, the water table dips below Confining Zone IIB₁-IIB₂ (Tan Clay), and Aquifer Zone IIB₁ (Barnwell/McBean) becomes unconfined (Figure 24, Appendix C).

Horizontal flow rate calculations provide estimates of the transport rate of constituents originating from the MWMF. Flow rates in Aquifer Zone IIB₂ (Water Table) and Aquifer Zone IIB₁ (Barnwell/McBean) are calculated along two flow paths (designated flow paths A and B) to characterize the divergent groundwater flows toward Upper Three Runs Creek and Fourmile Branch. The flow rate for Aquifer Unit IIA (Congaree) (Figure 25, Appendix C) is calculated along a single flow path because flow directions within this unit are generally more uniform than in the overlying units. Flow rates are estimated using the following equation:

$$\text{Flow (ft / day)} = \frac{\text{Hydraulic Conductivity (ft / day)}}{\text{Porosity (unitless)}} \times \frac{dh(\text{ft})}{dl(\text{ft})}$$

Hydraulic conductivity constants of 3.03 ft/day, 1.5 ft/day, and 45 ft/day are used for Aquifer Zone IIB₂ (Water Table), Aquifer Zone IIB₁ (Barnwell/McBean), and Aquifer Unit IIA (Congaree), respectively (WSRC, 1992b). An effective porosity value of 20 percent is used for the two upper units, and an effective porosity value of 25 percent is used for Aquifer Unit IIA (Congaree) (WSRC, 1992b). The value dh is the difference in head, and dl is the length of the flow path.

Flow path lengths are calculated to the nearest 50 ft. Flow rate per day is calculated to two significant figures, then multiplied by 365 and rounded to two significant figures for the flow rate per year. Flow rate estimates vary depending on the vertical gradient between wells, the size of the area under consideration, the number of data points, and the length and location of the flow path. Because flow rate calculations are based on inferred or estimated parameters, these estimates are considered accurate to an order of magnitude only. Horizontal flow rate estimates for the three hydrostratigraphic units during the past four quarters are provided in Table 2 below.

Table 2. Estimated Horizontal Groundwater Flow Rates (ft/year) in the Hydrostratigraphic Units beneath the MWMF

Unit	1Q97	2Q97	3Q97	4Q97
Aquifer Zone IIB ₂ (Water Table)	—	—	—	20-21
Aquifer Zone IIB ₁ (Barnwell/McBean)	—	—	—	8.8-18
Aquifer Unit IIA (Congaree)	—	—	—	190

Using UTM coordinates, the fourth quarter 1997 flow directions in Aquifer Zone IIB₂ (Water Table) were to the west (flow path A) and northwest (flow path B). Flow directions in Aquifer Zone IIB₁ (Barnwell/McBean) were to the west (flow path A) and northwest (flow path B), and the flow direction in Aquifer Unit IIA (Congaree) was to the northwest (Figures 23, 24, and 25, Appendix C). Asterisked water elevation data on the Barnwell/McBean potentiometric map includes some wells screened in the lower portion of the aquifer and are not included in the contouring.

The flow rate estimates for groundwater in Aquifer Zone IIB₂ (Water Table) beneath the MWMF during fourth quarter 1997 were calculated as follows (Figure 23, Appendix C):

- Flow path A (toward Fourmile Branch)

$$\frac{3.03}{0.20} \times \frac{6}{1650} \approx 0.055 \text{ ft / day}$$

$$0.055 \text{ ft/day} \times 365 \text{ days} = 20 \text{ ft/year}$$

- Flow path B (toward Upper Three Runs Creek)

$$\frac{3.03}{.020} \times \frac{8}{2000} \approx 0.061 \text{ ft / day}$$

$$0.061 \text{ ft/day} \times 365 \text{ days} = 21 \text{ ft/year}$$

The flow rate estimates for groundwater in Aquifer Zone IIB₁ (Barnwell/McBean) beneath the MWMF were calculated as follows (Figure 24, Appendix C):

- Flow path A (toward Fourmile Branch)

$$\frac{1.50}{0.20} \times \frac{8}{2550} \approx 0.024 \text{ ft / day}$$

$$0.024 \text{ ft/day} \times 365 \text{ days} = 8.8 \text{ ft/year}$$

- Flow path B (toward Upper Three Runs Creek)

$$\frac{1.5}{0.20} \times \frac{10}{1500} \approx 0.05 \text{ ft / day}$$

$$0.05 \text{ ft/day} \times 365 \text{ days} = 18 \text{ ft/year}$$

The flow rate estimate for groundwater in Aquifer Unit IIA (Congaree) beneath the MWMF was calculated as follows (Figure 25, Appendix C):

$$\frac{45}{0.25} \times \frac{4}{1350} \approx 0.53 \text{ ft / day}$$

$$0.53 \text{ ft/day} \times 365 \text{ days} = 190 \text{ ft/year}$$

Upgradient vs. Downgradient Results

Wells BGO 1D and 2D and HSB 85C are upgradient wells in Aquifer Zone IIB₂ (Water Table), well HSB 85B is upgradient in Aquifer Zone IIB₁ (Barnwell/McBean), and well HSB 85A is upgradient in Aquifer Unit IIA (Congaree). The remaining wells in these hydrostratigraphic units monitor downgradient water quality.

During fourth quarter 1997, no elevated constituents were detected in any upgradient wells. Downgradient wells in the three hydrostratigraphic units contained elevated levels of carbon tetrachloride, chloroethene, chloroform, 1,1-dichloroethylene, dichloromethane, gross alpha, nonvolatile beta, strontium-90, tetrachloroethylene, trichloroethylene, and tritium.

Quality Control Results

Wells BGO 6A, 8AR, 10AR, and 14AR; and BGX 2B, 4A, and 12C were selected to receive blind replicate analyses during fourth quarter 1997. Blind replicate analyses, representing approximately 5 percent of the quarter's total groundwater samples, are performed by the analytical laboratories each quarter for wells selected by EPD/EMS as part of the EPD/EMS quality assurance program (see Appendix E). The results of the analyses are used for both intralaboratory and interlaboratory comparisons. As part of intralaboratory quality assurance procedures, certain analyses were duplicated by the laboratory. The highest results of duplicate and replicate analyses are reported in Table D-3.

The Savannah River Site's Groundwater Monitoring Program, Fourth Quarter 1997 (U) (EPD/EMS, 1997) provides a full evaluation of data quality control and an explanation of analytical results for the quarter.

Conclusions

The groundwater at the MWMF contains elevated levels of heavy metals, radionuclides, volatile organic compounds, and other constituents resulting from over 40 years of operations at the Burial Ground Complex. During fourth quarter 1997, carbon tetrachloride, chloroethene, chloroform, 1,1-dichloroethylene, dichloromethane, gross alpha, nonvolatile beta, strontium-90, tetrachloroethylene, trichloroethylene, and tritium exceeded their final PDWS in one or more wells at the MWMF.

As in previous quarters, tritium and trichloroethylene were the most widespread elevated constituents. Sixty six (45%) of the 148 monitoring wells contained tritium activities in excess of the PDWS, with the maximum activity ($2.1\text{E}+05$ pCi/mL) occurring in well BGO 37C in Aquifer Zone IIB₁ (Barnwell/McBean). Trichloroethylene concentrations exceeded the final PDWS in 28 (19%) of the wells, with the maximum concentration of 1,200 µg/L found in well BGO 37C in Aquifer Zone IIB₁ (Barnwell/McBean).

Elevated constituent levels were found primarily in Aquifer Zone IIB₂ (Water Table) and Aquifer Zone IIB₁ (Barnwell/McBean), consistent with historical data. Past quarters' results for Aquifer Unit IIA (Congaree) have indicated that vertical pathways into this deeper water-bearing unit exist. A current groundwater flow model for the General Separations Area indicates that the vertical component beneath this area is important in contaminant movement (GeoTrans, Inc., 1992). During fourth quarter 1997 in Aquifer Unit IIA (Congaree), gross alpha was elevated in wells BGO 9AA, 41A, and 50A; nonvolatile beta was elevated in wells BGO 8AR and 9AA; trichloroethylene was elevated in wells BGO 41A and BGX 1A; and tritium was elevated in wells BGO 3A and BGX 1A.

During fourth quarter 1997, no upgradient well contained constituents that exceeded the final PDWS. Elevated levels of constituents were detected in numerous downgradient wells. Generally, elevated levels of constituents found in downgradient wells but not in upgradient wells at a waste management unit are considered products of the waste management unit.

Groundwater in Aquifer Zone IIB₂ (Water Table) and Aquifer Zone IIB₁ (Barnwell/McBean) diverges beneath the Burial Ground Complex and discharges toward Upper Three Runs Creek or toward Fourmile Branch. During fourth quarter 1997, flow in these units was north toward Upper Three Runs Creek and west toward Fourmile Branch (UTM coordinates). The groundwater flow direction in Aquifer Unit IIA (Congaree) was northwest toward Upper Three Runs Creek.

Groundwater flow rate estimates were in the same order of magnitude as previous quarters. Estimates ranged from 20 to 21 ft/year in Aquifer Zone IIB₂ (Water Table) and from 8.8 to 18 ft/year in Aquifer Zone IIB₁ (Barnwell/McBean). The flow rate estimate in Aquifer Unit IIA (Congaree) was 190 ft/year.

1997 Summary

During 1997, the wells sampled and constituents analyzed varied from quarter to quarter. Sampling to comply with RCRA regulations for interim status occurred during second quarter (at selected BGO wells) and fourth quarter (at BGO, BGX, FSS, and HMD wells). Sampling occurred during first and third quarters at selected wells as part of the EPD/EMS groundwater sampling program. Readers should consider these variations if comparing results from quarter to quarter.

Results for analytes that exceeded the final PDWS during 1997 are summarized below. The maximum level for each constituent is indicated in parentheses following the name of the well in which it was detected.

Aquifer Zone IIB₂ (Water Table): 38 of the 58 wells contained elevated constituents during 1997.

- Tritium was elevated in 34 wells: BGO 3DR, 4D, 5D, 6D, 7D, 8D, 9D, 10DR, 11DR, 14DR, 15D, 16D, 19DR, 20D, 21D, 23D, 27D, 28D, 30D, 31D, 33D, 35D, 36D, 37D, 38D, 46D (maximum activity at $3.9\text{E}+04$ pCi/mL during fourth quarter), 47D, 48D, 50D, 51D, and 52D; BGX 1D; and FSS 2D and 3D.
- Trichloroethylene was elevated in 14 wells: BGO 3DR (maximum concentration at 270 µg/L during fourth quarter), 6D, 7D, 14DR, 15D, 16D, 26D, 28D, 30D, 46D, 47D, 48D, and 50D; and BGX 10D.
- Chloroethene was elevated in 4 wells: BGO 27D, 28D (maximum concentration at 25 µg/L during fourth quarter), 30D, and 46D.
- Tetrachloroethylene was elevated in 4 wells: BGO 6D, 15D, 46D, and 48D (maximum concentration at 14 µg/L during fourth quarter).
- Gross alpha was elevated in 4 wells: BGO 2D, 30D, and 48D (maximum activity at $3.8\text{E}+01$ pCi/L during fourth quarter) and BGX 11D.
- Nonvolatile beta was elevated in well BGO 19DR (maximum activity at $9.7\text{E}+01$ pCi/L during fourth quarter).
- Strontium-90 was elevated in well BGO 11DR (maximum activity at $6.4\text{E}+01$ pCi/L).

Aquifer Zone IIB₁ (Barnwell/McBean): 38 of the 57 wells contained elevated constituents during 1997.

- Tritium was elevated in 34 wells: BGO 5C, 6B, 6C, 10B, 10C, 12CX, 13DR, 14CR, 27C, 29C, 30C, 31C, 33C, 35C, 37C (maximum activity at $2.1\text{E}+05$ pCi/mL during fourth quarter), 44B, 44C, 45C, 46C, 47C, 48C, 49C, 50C, and 53C; BGX 1C, 2D, 3D, 4D, 5D, 6D, 7D, and 8DR; and HMD 1D and 3D.
- Trichloroethylene was elevated in 12 wells: BGO 12CX, 14CR, 27C, 30C, 33C, 35C, 37C (maximum concentration at 1,200 µg/L during fourth quarter), 42C, 46C, 48C, and 53C and BGX 2D.
- Tetrachloroethylene was elevated in 2 wells: BGO 33C and 37C (maximum concentration at 50 µg/L during fourth quarter).
- Carbon tetrachloride was elevated in well BGO 37C (maximum concentration at 11 µg/L during fourth quarter).
- Chloroethene was elevated in well BGO 37C (maximum concentration at 11 µg/L during fourth quarter).

- Chloroform was elevated in well BGO 37C (maximum concentration at 160 µg/L during fourth quarter).
- Gross alpha was elevated in well BGO 43CR (maximum activity at 2.7E+01 pCi/L during fourth quarter).
- Dichloromethane was elevated in well HMD 2D (maximum concentration at 5.5 µg/L during fourth quarter).
- Bis (2-ethylhexyl) phthalate was elevated in HSB 85B (maximum concentration at 320 µg/L during first quarter).
- 1,1-Dichloroethylene was elevated in well BGO 37C (maximum concentration at 26 µg/L during fourth quarter).

Aquifer Unit IIA (Congaree): 8 of the 33 wells contained elevated constituents during 1997.

- Tritium was elevated in 2 wells: BGO 3A and BGX 1A (maximum activity at 5.0E+02 pCi/mL during fourth quarter).
- Trichloroethylene was elevated in 4 wells: BGO 26A (maximum concentration at 11 µg/L during fourth quarter), 29A, 41A; and BGX 1A
- Gross alpha was elevated in 3 wells: BGO 9AA, 41A, and 50A (maximum activity at 2.5E+01 pCi/L during fourth quarter).
- Nonvolatile beta was elevated in 2 wells: BGO 8AR (maximum activity at 5.6E+01 pCi/L during fourth quarter) and 9AA.

As in 1996, tritium and trichloroethylene exceeded their final PDWS more frequently than did other constituents. Also, elevated constituents were found primarily in Aquifer Zone IIB₂ (Water Table) and Aquifer Zone IIB₁ (Barnwell/McBean); however, elevated constituents were found in six wells in Aquifer Unit IIA (Congaree).

Groundwater flow directions beneath the MWMF during 1997 were generally similar to the directions during 1996. Using UTM coordinates, the flow directions in each hydrostratigraphic unit during 1997 were as follows: Aquifer Zone IIB₂ (Water Table) to the west-northwest; Aquifer Zone IIB₁ (Barnwell/McBean) to the west-northwest; and Aquifer Unit IIA (Congaree) to the northwest. Flow rates during 1997 were in the same order of magnitude as flow rates in 1996.

The average water level in Aquifer Zone IIB₂ (Water Table) rose .07 ft during 1997 compared to a decline of 1.59 ft in this unit during 1996. The water level in Aquifer Zone IIB₁ (Barnwell/McBean) rose 2.02 ft during 1997 compared to a decline of 1.68 ft in 1996. In Aquifer Unit IIA (Congaree), the water level declined .034 ft during 1997 compared to a rise of 3.66 ft during 1996.

Errata

Samples for field data are usually collected once each quarter, but samples for analytical data may be collected more than once each quarter. Thus, because the results tables present the highest analytical result for the quarter, the reported analytical result may be from a sample collected on a different date from the date the field data sample was collected.

Fourth Quarter 1997 and 1997 Summary:

- No errata have been reported.

Appendix A

Final Primary Drinking Water Standards

THIS PAGE LEFT BLANK INTENTIONALLY.

Table A-1. Final Primary Drinking Water Standards

Analyte	Level	Unit	Status	Source
Alachlor	2	µg/L	Final	EPA, 1995
Aldicarb	3	µg/L	Final	EPA, 1995
Aldicarb sulfone	2	µg/L	Final	EPA, 1995
Aldicarb sulfoxide	4	µg/L	Final	EPA, 1995
Antimony	6	µg/L	Final	EPA, 1995
Arsenic	50	µg/L	Final	EPA, 1995
Asbestos	7,000,000	Fibers/L	Final	EPA, 1995
Atrazine	3	µg/L	Final	EPA, 1995
Barium	2,000	µg/L	Final	EPA, 1995
Benzene	5	µg/L	Final	EPA, 1995
Benzo[a]pyrene	0.2	µg/L	Final	EPA, 1995
Beryllium	4	µg/L	Final	EPA, 1995
Bis(2-ethylhexyl) phthalate	6	µg/L	Final	EPA, 1995
Bromodichloromethane	100	µg/L	Final	EPA, 1995
Bromoform	100	µg/L	Final	EPA, 1995
2-sec-Butyl-4,6-dinitrophenol	7	µg/L	Final	EPA, 1995
Cadmium	5	µg/L	Final	EPA, 1995
Carbofuran	40	µg/L	Final	EPA, 1995
Carbon tetrachloride	5	µg/L	Final	EPA, 1995
Chlordane	2	µg/L	Final	EPA, 1995
Chlorobenzene	100	µg/L	Final	EPA, 1995
Chloroethene (Vinyl chloride)	2	µg/L	Final	EPA, 1995
Chloroform	100	µg/L	Final	EPA, 1995
Chromium	100	µg/L	Final	EPA, 1995
Copper	1,000	µg/L	Final	SCDHEC, 1981
Cyanide	200	µg/L	Final	EPA, 1995
Dalapon	200	µg/L	Final	EPA, 1995
Dibromochloromethane	100	µg/L	Final	EPA, 1995
1,2-Dibromo-3-chloropropane	0.2	µg/L	Final	EPA, 1995
1,2-Dibromoethane	0.05	µg/L	Final	EPA, 1995
1,2-Dichlorobenzene	600	µg/L	Final	EPA, 1995
1,4-Dichlorobenzene	75	µg/L	Final	EPA, 1995
1,2-Dichloroethane	5	µg/L	Final	EPA, 1995
1,1-Dichloroethylene	7	µg/L	Final	EPA, 1995
cis-1,2-Dichloroethylene	70	µg/L	Final	EPA, 1995
trans-1,2-Dichloroethylene	100	µg/L	Final	EPA, 1995
Dichloromethane (Methylene chloride)	5	µg/L	Final	EPA, 1995
2,4-Dichlorophenoxyacetic acid	70	µg/L	Final	EPA, 1995
1,2-Dichloropropane	5	µg/L	Final	EPA, 1995
Di(2-ethylhexyl) adipate	400	µg/L	Final	EPA, 1995
Diquat dibromide	20	µg/L	Final	EPA, 1995
Endothall	100	µg/L	Final	EPA, 1995
Endrin	2	µg/L	Final	EPA, 1995
Ethylbenzene	700	µg/L	Final	EPA, 1995
Fluoride	4,000	µg/L	Final	EPA, 1995
Glyphosate	700	µg/L	Final	EPA, 1995

Analyte	Level	Unit	Status	Source
Gross alpha ^a	1.5E+01	pCi/L	Final	EPA, 1995
Heptachlor	0.4	µg/L	Final	EPA, 1995
Heptachlor epoxide	0.2	µg/L	Final	EPA, 1995
Hexachlorobenzene	1	µg/L	Final	EPA, 1995
Hexachlorocyclopentadiene	50	µg/L	Final	EPA, 1995
Lead	50	µg/L	Final	SCDHEC, 1981
Lindane	0.2	µg/L	Final	EPA, 1995
Mercury	2	µg/L	Final	EPA, 1995
Methoxychlor	40	µg/L	Final	EPA, 1995
Nickel	100	µg/L	Final	EPA, 1995
Nitrate as nitrogen	10,000	µg/L	Final	EPA, 1995
Nitrate-nitrite as nitrogen	10,000	µg/L	Final	EPA, 1995
Nitrite as nitrogen	1,000	µg/L	Final	EPA, 1995
Nonvolatile beta	5E+01	pCi/L	Interim Final	EPA, 1977
Oxamyl	200	µg/L	Final	EPA, 1995
PCB 1016	0.5	µg/L	Final	EPA, 1995
PCB 1221	0.5	µg/L	Final	EPA, 1995
PCB 1232	0.5	µg/L	Final	EPA, 1995
PCB 1242	0.5	µg/L	Final	EPA, 1995
PCB 1248	0.5	µg/L	Final	EPA, 1995
PCB 1254	0.5	µg/L	Final	EPA, 1995
PCB 1260	0.5	µg/L	Final	EPA, 1995
PCB 1262	0.5	µg/L	Final	EPA, 1995
Pentachlorophenol	1	µg/L	Final	EPA, 1995
Picloram	500	µg/L	Final	EPA, 1995
Selenium	50	µg/L	Final	EPA, 1995
Simazine	4	µg/L	Final	EPA, 1995
Strontium-89/90 ^b	8E+00	pCi/L	Final	EPA, 1995
Strontium-90	8E+00	pCi/L	Final	EPA, 1995
Styrene	100	µg/L	Final	EPA, 1995
2,3,7,8-TCDD	0.014	µg/L	Final	EPA, 1995
Tetrachloroethylene	5	µg/L	Final	EPA, 1995
Thallium	2	µg/L	Final	EPA, 1995
Toluene	1,000	µg/L	Final	EPA, 1995
Total coliform	0	N/A	Final	EPA, 1995
Toxaphene	3	µg/L	Final	EPA, 1995
2,4,5-TP (Silvex)	50	µg/L	Final	EPA, 1995
1,2,4-Trichlorobenzene	70	µg/L	Final	EPA, 1995
1,1,1-Trichloroethane	200	µg/L	Final	EPA, 1995
1,1,2-Trichloroethane	5	µg/L	Final	EPA, 1995
Trichloroethylene	5	µg/L	Final	EPA, 1995
Tritium	2E+01	pCi/mL	Final	EPA, 1995
Xylenes	10,000	µg/L	Final	EPA, 1995

^a The standard given is for gross alpha including radium-226 but excluding radon and uranium.

^b For double radionuclide analyses where each separate radionuclide has its own standard, the more stringent standard is used.

Appendix B

Flagging Criteria

THIS PAGE LEFT BLANK INTENTIONALLY.

Flagging Criteria

Beginning first quarter 1992, flagging criteria were established for all constituents analyzed as part of the EPD/EMS Groundwater Monitoring Program. Only the flagging criteria for environmental screening analyses are used to trigger scheduling for designated wells in the environmental screening program, while all flagging criteria in Table B-1 are used to flag constituents in the analytical results tables.

The following rules are used in determining flagging criteria and scheduling sampling:

- **Flag 0:** Analysis for a constituent below Flag 1 is classified as Flag 0. Constituents classified as Flag 0 in each well series will be scheduled for analyses only by custodian request or as part of the triennial environmental screening program for wells designated as environmental screening wells.
- **Flag 1:** The Flag 1 criterion for a constituent equals half of the EPA primary drinking water standard (PDWS), the EPA proposed PDWS, or the EPA secondary drinking water standard (SDWS) for that constituent. If a constituent does not have an EPA drinking water standard, the Flag 1 criterion equals 5 times a recently published 90th percentile detection limit obtained by one of the primary laboratories. If a constituent exceeds Flag 1 in a monitoring well series, environmental screening wells in that series are sampled and analyzed for that constituent once a year. If a constituent falls below Flag 1 for three consecutive sampling episodes, the well's flag is reduced from Flag 1 status to Flag 0 status and follows the rules for Flag 0.
- **Flag 2:** The Flag 2 criterion for a constituent equals the EPA PDWS, the EPA proposed PDWS, or the EPA SDWS for that constituent. If a constituent does not have a drinking water standard, the Flag 2 criterion equals 10 times a recently published 90th percentile detection limit obtained by one of the primary laboratories. If a constituent exceeds Flag 2 in a monitoring well series, environmental screening wells in that series are sampled and analyzed for that constituent once a year. If a constituent falls below Flag 2 for three consecutive sampling episodes, the well's flag is reduced from Flag 2 status to Flag 1 or Flag 0 status and follows the rules for the lower flag.

The following constituents are exceptions to the flagging rules:

- Specific conductance and pH, which are indicator parameters, have flagging criteria but do not trigger the scheduling mechanism. No flags are set for alkalinity, 5-day biochemical oxygen demand, calcium, carbonate, chemical oxygen demand, magnesium, potassium, silica, sodium, total dissolved solids, total phosphates (as P), and total phosphorous because they are indicator parameters or major cations. Analyses for these constituents are conducted as part of the triennial environmental screening program or by special request.
- Aesthetic analyses such as color, odor, corrosivity, Eh, turbidity, and surfactants are not assigned flagging criteria but are analyzed by special request.
- Common laboratory contaminants and cleaners including phthalates, dichloromethane, ketones, and toluene are not assigned flagging criteria unless they have PDWS. These constituents are analyzed by special request.

Table B-1. Flagging Criteria

Analyte	Unit	Flag 1	Flag 2	Source
Acenaphthene	µg/L	5.1	10.2	EPA Method 8270
Acenaphthylene	µg/L	5.1	10.2	EPA Method 8270
Acetone	µg/L	500	1,000	EPA Method 8240 (Set by EPD/EMS)
Acetonitrile (Methyl cyanide)	µg/L	50	100	EPA Method 8240
Acetophenone	µg/L	85	170	EPA Method 8270
2-Acetylaminofluorene	µg/L	81	162	EPA Method 8270
Acrolein	µg/L	166.5	333	EPA Method 8240
Acrylonitrile	µg/L	250	500	EPA Method 8240
Actinium-228	µCi/mL	1.64E-06	3.27E-06	Proposed DWS (EPA, 1991a)
Alachlor	µg/L	1	2	Final DWS (CFR, 1995a)

Analyte	Unit	Flag 1	Flag 2	Source
Aldicarb	µg/L	1.5	3	Final DWS (CFR, 1995a)
Aldicarb sulfone	µg/L	1	2	Final DWS (CFR, 1995a)
Aldicarb sulfoxide	µg/L	2	4	Final DWS (CFR, 1995a)
Aldrin	µg/L	0.4	0.8	EPA Method 8080
Alkalinity (as CaCO ₃)		No flag	No flag	Set by EPD/EMS
Allyl chloride	µg/L	416.5	833	EPA Method 8240
Aluminum	µg/L	25	50	Secondary DWS (CFR, 1995b)
Aluminum, dissolved	µg/L	25	50	Secondary DWS (CFR, 1995b)
Aluminum, total recoverable	µg/L	25	50	Secondary DWS (CFR, 1995b)
Americium-241	µCi/mL	3.17E-09	6.34E-09	Proposed DWS (EPA, 1991a)
Americium-243	µCi/mL	3.19E-09	6.37E-09	Proposed DWS (EPA, 1991a)
4-Aminobiphenyl	µg/L	81	162	EPA Method 8270
Ammonia	µg/L	250	500	APHA Method 417B
Ammonia nitrogen	µg/L	500	1,000	EPA Method 350.1
Aniline	µg/L	81	162	EPA Method 8270
Anthracene	µg/L	5.1	10.2	EPA Method 8270
Antimony	µg/L	3	6	Final DWS (CFR, 1995a)
Antimony, dissolved	µg/L	3	6	Final DWS (CFR, 1995a)
Antimony, total recoverable	µg/L	3	6	Final DWS (CFR, 1995a)
Antimony-124	µCi/mL	3E-08	6E-08	Interim Final DWS (EPA, 1977)
Antimony-125	µCi/mL	1.5E-07	3E-07	Interim Final DWS (EPA, 1977)
Aramite	µg/L	81	162	EPA Method 8270
Arsenic	µg/L	25	50	Final DWS (CFR, 1995a)
Arsenic, dissolved	µg/L	25	50	Final DWS (CFR, 1995a)
Arsenic, total recoverable	µg/L	25	50	Final DWS (CFR, 1995a)
Asbestos	Fibers/L	3,500,000	7,000,000	Final DWS (CFR, 1995a)
Atrazine	µg/L	1.5	3	Final DWS (CFR, 1995a)
Azobenzene	µg/L	50	100	EPA Method 625
Barium	µg/L	1000	2,000	Final DWS (CFR, 1995a)
Barium, dissolved	µg/L	1000	2,000	Final DWS (CFR, 1995a)
Barium, total recoverable	µg/L	1000	2,000	Final DWS (CFR, 1995a)
Barium-133	µCi/mL	7.6E-07	1.52E-06	Proposed DWS (EPA, 1991a)
Barium-140 ^a	µCi/mL	4.5E-08	9E-08	Interim Final DWS (EPA, 1977)
Benzene	µg/L	2.5	5	Final DWS (CFR, 1995a)
alpha-Benzene hexachloride	µg/L	0.15	0.3	EPA Method 8080
beta-Benzene hexachloride	µg/L	0.25	0.5	EPA Method 8080
delta-Benzene hexachloride	µg/L	0.25	0.5	EPA Method 8080
Benzidine	µg/L	83.5	167	EPA Method 8270
Benzo[a]anthracene	µg/L	0.05	0.1	Proposed DWS (EPA, 1990)
Benzo[b]fluoranthene	µg/L	0.1	0.2	Proposed DWS (EPA, 1990)
Benzo[k]fluoranthene	µg/L	0.1	0.2	Proposed DWS (EPA, 1990)
Benzoic acid	µg/L	5	10	EPA Method 8270
Benzo[g,h,i]perylene	µg/L	5.1	10.2	EPA Method 8270
Benzo[a]pyrene	µg/L	0.1	0.2	Final DWS (CFR, 1995a)
1,4-Benzoquinone	µg/L	50	100	EPA Method 8270
Benzyl alcohol	µg/L	5	10	EPA Method 8270
Beryllium	µg/L	2	4	Final DWS (CFR, 1995a)
Beryllium, dissolved	µg/L	2	4	Final DWS (CFR, 1995a)
Beryllium, total recoverable	µg/L	2	4	Final DWS (CFR, 1995a)
Beryllium-7	µCi/mL	3E-06	6E-06	Interim Final DWS (EPA, 1977)
5-day Biochemical oxygen demand		No flag	No flag	Set by EPD/EMS
Bis(2-chloroethoxy) methane	µg/L	5.1	10.2	EPA Method 8270
Bis(2-chloroethyl) ether	µg/L	5.1	10.2	EPA Method 8270
Bis(2-chloroisopropyl) ether	µg/L	100	200	EPA Method 8270
Bis(chloromethyl) ether	µg/L	50	100	EPA Method 8270

Analyte	Unit	Flag 1	Flag 2	Source
Bis(2-ethylhexyl) phthalate	µg/L	3	6	Final DWS (CFR, 1995a)
Bismuth-214	µCi/mL	9.4E-06	1.89E-05	Proposed DWS (EPA, 1991a)
Boron	µg/L	2,500	5,000	EPA Method 6010
Boron, dissolved	µg/L	2,500	5,000	EPA Method 6010
Boron, total recoverable	µg/L	2,500	5,000	EPA Method 6010
Bromide	µg/L	5,000	10,000	EPA Method 300.0
Bromobenzene	µg/L	25	50	EPA Method 8260
Bromochloromethane	µg/L	5	10	EPA Method 8260
Bromodichloromethane	µg/L	50	100	Final DWS (CFR, 1995a)
Bromoform	µg/L	50	100	Final DWS (CFR, 1995a)
Bromomethane (Methyl bromide)	µg/L	10	20	EPA Method 8240
4-Bromophenyl phenyl ether	µg/L	5.1	10.2	EPA Method 8270
n-Butylbenzene	µg/L	5	10	EPA Method 8260
sec-Butylbenzene	µg/L	5	10	EPA Method 8260
tert-Butylbenzene	µg/L	5	10	EPA Method 8260
Butylbenzyl phthalate		No flag	No flag	Set by EPD/EMS
2-sec-Butyl-4,6-dinitrophenol	µg/L	3.5	7	Final DWS (CFR, 1995a)
Cadmium	µg/L	2.5	5	Final DWS (CFR, 1995a)
Cadmium, dissolved	µg/L	2.5	5	Final DWS (CFR, 1995a)
Cadmium, total recoverable	µg/L	2.5	5	Final DWS (CFR, 1995a)
Calcium		No flag	No flag	Set by EPD/EMS
Calcium, dissolved		No flag	No flag	Set by EPD/EMS
Calcium, total recoverable		No flag	No flag	Set by EPD/EMS
Carbofuran	µg/L	20	40	Final DWS (CFR, 1995a)
Carbon disulfide	µg/L	25	50	EPA Method 8240
Carbon tetrachloride	µg/L	2.5	5	Final DWS (CFR, 1995a)
Carbon-14	µCi/mL	1E-06	2E-06	Interim Final DWS (EPA, 1977)
Carbonate		No flag	No flag	Set by EPD/EMS
Cerium-141 ^a	µCi/mL	1.5E-07	3E-07	Interim Final DWS (EPA, 1977)
Cerium-144	µCi/mL	1.31E-07	2.61E-07	Proposed DWS (EPA, 1991a)
Cesium-134 ^b	µCi/mL	4.07E-08	8.13E-08	Proposed DWS (EPA, 1991a)
Cesium-137	µCi/mL	1E-07	2E-07	Interim Final DWS (EPA, 1977)
Chemical oxygen demand		No flag	No flag	Set by EPD/EMS
Chlordane	µg/L	1	2	Final DWS (CFR, 1995a)
alpha-Chlordane	µg/L	0.25	0.5	EPA Method 8080
gamma-Chlordane	µg/L	0.25	0.5	EPA Method 8080
Chloride	µg/L	125,000	250,000	Secondary DWS (CFR, 1995b)
4-Chloroaniline	µg/L	5	10	EPA Method 8270
Chlorobenzene	µg/L	50	100	Final DWS (CFR, 1995a)
Chlorobenzilate	µg/L	81	162	EPA Method 8270
4-Chloro-m-cresol	µg/L	5.1	10.2	EPA Method 8270
Chloroethane	µg/L	10	20	EPA Method 8240
Chloroethene (Vinyl chloride)	µg/L	1	2	Final DWS (CFR, 1995a)
Chloroethyl vinyl ether	µg/L	5	10	EPA Method 8240
2-Chloroethyl vinyl ether	µg/L	50	100	EPA Method 8240
Chloroform	µg/L	50	100	Final DWS (CFR, 1995a)
Chloromethane (Methyl chloride)	µg/L	10	20	EPA Method 8240
2-Chloronaphthalene	µg/L	5.1	10.2	EPA Method 8240
2-Chlorophenol	µg/L	5.1	10.2	EPA Method 8270
4-Chlorophenyl phenyl ether	µg/L	5.1	10.2	EPA Method 8270
Chloroprene	µg/L	1,665	3,330	EPA Method 8240
2-Chlorotoluene	µg/L	25	50	EPA Method 8260
4-Chlorotoluene	µg/L	5	10	EPA Method 8260
Chromium	µg/L	50	100	Final DWS (CFR, 1995a)
Chromium, dissolved	µg/L	50	100	Final DWS (CFR, 1995a)

Analyte	Unit	Flag 1	Flag 2	Source
Chromium, total recoverable	µg/L	50	100	Final DWS (CFR, 1995a)
Chromium-51 ^a	µCi/mL	3E-06	6E-06	Interim Final DWS (EPA, 1977)
Chrysene	µg/L	0.1	0.2	Proposed DWS (EPA, 1990)
Cobalt	µg/L	50	100	EPA Method 6010
Cobalt, dissolved	µg/L	50	100	EPA Method 6010
Cobalt, total recoverable	µg/L	50	100	EPA Method 6010
Cobalt-57	µCi/mL	5E-07	1E-06	Interim Final DWS (EPA, 1977)
Cobalt-58	µCi/mL	4.5E-06	9E-06	Interim Final DWS (EPA, 1977)
Cobalt-60	µCi/mL	5E-08	1E-07	Interim Final DWS (EPA, 1977)
Color		No flag	No flag	Set by EPD/EMS
Copper	µg/L	500	1,000	Primary DWS (SCDHEC, 1981)
Copper, dissolved	µg/L	500	1,000	Primary DWS (SCDHEC, 1981)
Copper, total recoverable	µg/L	500	1,000	Primary DWS (SCDHEC, 1981)
Corrosivity		No flag	No flag	Set by EPD/EMS
m-Cresol (3-Methylphenol)	µg/L	50	100	EPA Method 8270
o-Cresol (2-Methylphenol)	µg/L	5	10	EPA Method 8270
p-Cresol (4-Methylphenol)	µg/L	60	120	EPA Method 8270
Curium-242	µCi/mL	6.65E-08	1.33E-07	Proposed DWS (EPA, 1991a)
Curium-243	µCi/mL	4.15E-09	8.3E-09	Proposed DWS (EPA, 1991a)
Curium-243/244 ^c	µCi/mL	4.15E-09	8.3E-09	Proposed DWS (EPA, 1991a)
Curium-244	µCi/mL	4.92E-09	9.84E-09	Proposed DWS (EPA, 1991a)
Curium-245/246 ^a	µCi/mL	3.12E-09	6.23E-09	Proposed DWS (EPA, 1991a)
Curium-246	µCi/mL	3.14E-09	6.27E-09	Proposed DWS (EPA, 1991a)
Cyanide	µg/L	100	200	Final DWS (CFR, 1995a)
Dalapon	µg/L	100	200	Final DWS (CFR, 1995a)
p,p'-DDD	µg/L	0.55	1.1	EPA Method 8080
p,p'-DDE	µg/L	0.25	0.5	EPA Method 8080
p,p'-DDT	µg/L	0.85	1.7	EPA Method 8080
Diallate	µg/L	81	162	EPA Method 8270
Dibenz[a,h]anthracene	µg/L	0.15	0.3	Proposed DWS (EPA, 1990)
Dibenzofuran	µg/L	5	10	EPA Method 8270
Dibromochloromethane	µg/L	50	100	Final DWS (CFR, 1995a)
1,2-Dibromo-3-chloropropane	µg/L	0.1	0.2	Final DWS (CFR, 1995a)
1,2-Dibromoethane	µg/L	0.025	0.05	Final DWS (CFR, 1995a)
Dibromomethane (Methylene bromide)	µg/L	10	20	EPA Method 8240
Di-n-butyl phthalate		No flag	No flag	Set by EPD/EMS
1,2-Dichlorobenzene	µg/L	300	600	Final DWS (CFR, 1995a)
1,3-Dichlorobenzene	µg/L	81	162	EPA Method 8270
1,4-Dichlorobenzene	µg/L	37.5	75	Final DWS (CFR, 1995a)
3,3'-Dichlorobenzidine	µg/L	5.1	10.2	EPA Method 8270
trans-1,4-Dichloro-2-butene	µg/L	250	500	EPA Method 8240
Dichlorodifluoromethane	µg/L	10	20	EPA Method 8240
1,1-Dichloroethane	µg/L	10	20	EPA Method 8240
1,2-Dichloroethane	µg/L	2.5	5	Final DWS (CFR, 1995a)
cis-1,2-Dichloroethylene	µg/L	35	70	Final DWS (CFR, 1995a)
1,1-Dichloroethylene	µg/L	3.5	7	Final DWS (CFR, 1995a)
1,2-Dichloroethylene	µg/L	25	50	EPA Method 8240
trans-1,2-Dichloroethylene	µg/L	50	100	Final DWS (CFR, 1995a)
Dichloromethane (Methylene chloride)	µg/L	2.5	5	Final DWS (CFR, 1995a)
2,4-Dichlorophenol	µg/L	5.1	10.2	EPA Method 8270
2,6-Dichlorophenol	µg/L	83.5	167	EPA Method 8270
2,4-Dichlorophenoxyacetic acid	µg/L	35	70	Final DWS (CFR, 1995a)
1,2-Dichloropropane	µg/L	2.5	5	Final DWS (CFR, 1995a)
2,2-Dichloropropane	µg/L	5	10	EPA Method 8260
cis-1,3-Dichloropropene	µg/L	10	20	EPA Method 8240

Analyte	Unit	Flag 1	Flag 2	Source
trans-1,3-Dichloropropene	µg/L	10	20	EPA Method 8240
Dieldrin	µg/L	4.15	8.3	EPA Method 8080
Diethyl phthalate		No flag	No flag	Set by EPD/EMS
Di(2-ethylhexyl) adipate	µg/L	200	400	Final DWS (CFR, 1995a)
Dimethoate	µg/L	81	162	EPA Method 8270
2,4-Dimethyl phenol	µg/L	5.1	10.2	EPA Method 8270
Dimethyl phthalate		No flag	No flag	Set by EPD/EMS
p-Dimethylaminoazobenzene	µg/L	81	162	EPA Method 8270
p-(Dimethylamino)ethylbenzene	µg/L	50	100	EPA Method 8270
7,12-Dimethylbenz[a]anthracene	µg/L	81	162	EPA Method 8270
3,3'-Dimethylbenzidine	µg/L	81	162	EPA Method 8270
a,a-Dimethylphenethylamine	µg/L	81	162	EPA Method 8270
1,3-Dinitrobenzene	µg/L	81	162	EPA Method 8270
2,4-Dinitrophenol	µg/L	51	102	EPA Method 8270
2,4-Dinitrotoluene	µg/L	0.5	1	EPA Method 8270
2,6-Dinitrotoluene	µg/L	0.5	1	EPA Method 8270
Di-n-octyl phthalate		No flag	No flag	Set by EPD/EMS
1,4-Dioxane	µg/L	500	1,000	EPA Method 8270
Diphenylamine	µg/L	81	162	EPA Method 8270
1,2-Diphenylhydrazine	µg/L	83.5	167	EPA Method 8270
Diquat dibromide	µg/L	10	20	Final DWS (CFR, 1995a)
Dissolved organic carbon	µg/L	10,500,000	21,000,000	EPA Method 9060
Disulfoton	µg/L	81	162	EPA Method 8270
Eh		No flag	No flag	Set by EPD/EMS
Endosulfan I	µg/L	0.25	0.5	EPA Method 8080
Endosulfan II	µg/L	0.55	1.1	EPA Method 8080
Endosulfan sulfate	µg/L	0.55	1.1	EPA Method 8080
Endothall	µg/L	50	100	Final DWS (CFR, 1995a)
Endrin	µg/L	1	2	Final DWS (CFR, 1995a)
Endrin aldehyde	µg/L	0.85	1.7	EPA Method 8080
Endrin ketone		No flag	No flag	Set by EPD/EMS
Ethyl ether	µg/L	50	100	EPA Method 8260
Ethyl methacrylate	µg/L	2.5	5	EPA Method 8270
Ethyl methanesulfonate	µg/L	81	162	EPA Method 8270
Ethylbenzene	µg/L	350	700	Final DWS (CFR, 1995a)
Europium-152	µCi/mL	3E-08	6E-08	Interim Final DWS (EPA, 1977)
Europium-154	µCi/mL	1E-07	2E-07	Interim Final DWS (EPA, 1977)
Europium-155	µCi/mL	3E-07	6E-07	Interim Final DWS (EPA, 1977)
Famphur	µg/L	81	162	EPA Method 8270
Fluoranthene	µg/L	5.1	10.2	EPA Method 8270
Fluorene	µg/L	5.1	10.2	EPA Method 8270
Fluoride	µg/L	2,000	4,000	Final DWS (CFR, 1995a)
Glyphosate	µg/L	350	700	Final DWS (CFR, 1995a)
Gross alpha	µCi/mL	7.5E-09	1.5E-08	Final DWS (CFR, 1995a)
Heptachlor	µg/L	0.2	0.4	Final DWS (CFR, 1995a)
Heptachlor epoxide	µg/L	0.1	0.2	Final DWS (CFR, 1995a)
Heptachlorodibenzo-p-dioxin isomers	µg/L	0.007	0.014	EPA Method 8280
1,2,3,4,6,7,8-HPCDD	µg/L	0.007	0.014	EPA Method 8280
Heptachlorodibenzo-p-furan isomers	µg/L	0.008	0.016	EPA Method 8280
1,2,3,4,6,7,8-HPCDF	µg/L	0.008	0.016	EPA Method 8280
Hexachlorobenzene	µg/L	0.5	1	Final DWS (CFR, 1995a)
Hexachlorobutadiene	µg/L	5	10	EPA Method 8270
Hexachlorocyclopentadiene	µg/L	25	50	Final DWS (CFR, 1995a)
Hexachlorodibenzo-p-dioxin isomers	µg/L	0.008	0.016	EPA Method 8280
1,2,3,4,7,8-HXCDD	µg/L	0.0105	0.021	EPA Method 8280

Analyte	Unit	Flag 1	Flag 2	Source
Hexachlorodibenzo-p-furan isomers	µg/L	0.006	0.012	EPA Method 8280
1,2,3,4,7,8-HxCDF	µg/L	0.0085	0.017	EPA Method 8280
Hexachloroethane	µg/L	0.5	1	EPA Method 8270
Hexachlorophene	µg/L	83.5	167	EPA Method 8270
Hexachloropropene	µg/L	81	162	EPA Method 8270
2-Hexanone	µg/L	50	100	EPA Method 8240
Indeno[1,2,3-c,d]pyrene	µg/L	0.5	1	EPA Method 8270
Iodine	µg/L	250	500	APHA Method 415A
Iodine-129	µCi/mL	5E-10	1E-09	Interim Final DWS (EPA, 1977)
Iodine-131 ^a	µCi/mL	1.5E-09	3E-09	Interim Final DWS (EPA, 1977)
Iodomethane (Methyl iodide)	µg/L	125	250	EPA Method 8240
Iron	µg/L	150	300	Secondary DWS (CFR, 1995b)
Iron, dissolved	µg/L	150	300	Secondary DWS (CFR, 1995b)
Iron, total recoverable	µg/L	150	300	Secondary DWS (CFR, 1995b)
Iron-55 ^a	µCi/mL	1E-06	2E-06	Interim Final DWS (EPA, 1977)
Iron-59 ^a	µCi/mL	1E-07	2E-07	Interim Final DWS (EPA, 1977)
Isobutyl alcohol	µg/L	834.5	1,669	EPA Method 8240
Isodrin	µg/L	81	162	EPA Method 8270
Isophorone	µg/L	5.1	10.2	EPA Method 8270
Isopropylbenzene	µg/L	5	10	EPA Method 8260
p-Isopropyltoluene	µg/L	5	10	EPA Method 8260
Isosafrole	µg/L	81	162	EPA Method 8270
Kepone	µg/L	81	162	EPA Method 8270
Lanthanum-140 ^a	µCi/mL	3E-08	6E-08	Interim Final DWS (EPA, 1977)
Lead	µg/L	25	50	Final DWS (SCDHEC, 1981)
Lead, dissolved	µg/L	25	50	Final DWS (SCDHEC, 1981)
Lead, total recoverable	µg/L	25	50	Final DWS (SCDHEC, 1981)
Lead-212	µCi/mL	6.2E-08	1.23E-07	Proposed DWS (EPA, 1991a)
Lindane	µg/L	0.1	0.2	Final DWS (CFR, 1995a)
Lithium	µg/L	125	250	EPA Method 6010
Lithium, dissolved	µg/L	125	250	EPA Method 6010
Lithium, total recoverable	µg/L	125	250	EPA Method 6010
Magnesium		No flag	No flag	Set by EPD/EMS
Magnesium, dissolved		No flag	No flag	Set by EPD/EMS
Magnesium, total recoverable		No flag	No flag	Set by EPD/EMS
Manganese	µg/L	25	50	Secondary DWS (CFR, 1995b)
Manganese, dissolved	µg/L	25	50	Secondary DWS (CFR, 1995b)
Manganese, total recoverable	µg/L	25	50	Secondary DWS (CFR, 1995b)
Manganese-54	µCi/mL	1.5E-07	3E-07	Interim Final DWS (EPA, 1977)
Mercury	µg/L	1	2	Final DWS (CFR, 1995a)
Mercury, dissolved	µg/L	1	2	Final DWS (CFR, 1995a)
Mercury, total recoverable	µg/L	1	2	Final DWS (CFR, 1995a)
Methacrylonitrile	µg/L	416.5	833	EPA Method 8240
Methapyrilene	µg/L	81	162	EPA Method 8270
Methoxychlor	µg/L	20	40	Final DWS (CFR, 1995a)
Methyl tert-butyl ether	µg/L	5	10	EPA Method 8260
Methyl ethyl ketone		No flag	No flag	Set by EPD/EMS
Methyl isobutyl ketone		No flag	No flag	Set by EPD/EMS
Methyl methacrylate	µg/L	50	100	EPA Method 8270
Methyl methanesulfonate	µg/L	81	162	EPA Method 8270
3-Methylcholanthrene	µg/L	81	162	EPA Method 8270
2-Methyl-4,6-dinitrophenol	µg/L	51	102	EPA Method 8270
2-Methylnaphthalene	µg/L	5	10	EPA Method 8270
Molybdenum	µg/L	250	500	EPA Method 6010
Molybdenum, dissolved	µg/L	250	500	EPA Method 6010

Analyte	Unit	Flag 1	Flag 2	Source
Molybdenum, total recoverable	µg/L	250	500	EPA Method 6010
Naphthalene	µg/L	83.5	167	EPA Method 8270
1,4-Naphthoquinone	µg/L	81	162	EPA Method 8270
1-Naphthylamine	µg/L	81	162	EPA Method 8270
2-Naphthylamine	µg/L	81	162	EPA Method 8270
Neptunium-237	µCi/mL	3.53E-09	7.06E-09	Proposed DWS (EPA, 1991a)
Neptunium-239	µCi/mL	8.4E-07	1.68E-06	Proposed DWS (EPA, 1991a)
Nickel	µg/L	50	100	Final DWS (CFR, 1995a)
Nickel, dissolved	µg/L	50	100	Final DWS (CFR, 1995a)
Nickel, total recoverable	µg/L	50	100	Final DWS (CFR, 1995a)
Nickel-59	µCi/mL	1.5E-07	3E-07	Interim Final DWS (EPA, 1977)
Nickel-63	µCi/mL	2.5E-08	5E-08	Interim Final DWS (EPA, 1977)
Niobium-95 ^a	µCi/mL	1.5E-07	3E-07	Interim Final DWS (EPA, 1977)
Nitrate as nitrogen	µg/L	5,000	10,000	Final DWS (CFR, 1995a)
Nitrate-nitrite as nitrogen	µg/L	5,000	10,000	Final DWS (CFR, 1995a)
Nitrite as nitrogen	µg/L	500	1,000	Final DWS (CFR, 1995a)
m-Nitroaniline	µg/L	5	10	EPA Method 8270
o-Nitroaniline	µg/L	5	10	EPA Method 8270
p-Nitroaniline	µg/L	5	10	EPA Method 8270
Nitrobenzene	µg/L	5.1	10.2	EPA Method 8270
Nitrogen by Kjeldahl method	µg/L	500	1,000	EPA Method 351.2
2-Nitrophenol	µg/L	5.1	10.2	EPA Method 8270
4-Nitrophenol	µg/L	5.1	10.2	EPA Method 8270
4-Nitroquinoline-1-oxide	µg/L	81	162	EPA Method 8270
N-Nitrosodi-n-butylamine	µg/L	81	162	EPA Method 8270
N-Nitrosodiethylamine	µg/L	81	162	EPA Method 8270
N-Nitrosodimethylamine	µg/L	83.5	167	EPA Method 8270
N-Nitrosodiphenylamine	µg/L	5.1	10.2	EPA Method 8270
N-Nitrosodipropylamine	µg/L	5.1	10.2	EPA Method 8270
N-Nitrosomethylethylamine	µg/L	81	162	EPA Method 8270
N-Nitrosomorpholine	µg/L	81	162	EPA Method 8270
N-Nitrosopiperidine	µg/L	81	162	EPA Method 8270
N-Nitrosopyrrolidine	µg/L	81	162	EPA Method 8270
5-Nitro-o-toluidine	µg/L	81	162	EPA Method 8270
Nonvolatile beta	µCi/mL	2.5E-08	5E-08	Interim Final DWS (EPA, 1977)
Octachlorodibenzo-p-dioxin isomers	µg/L	0.0085	0.017	EPA Method 8280
Octachlorodibenzo-p-furan isomers	µg/L	0.0085	0.013	EPA Method 8280
Odor		No flag	No flag	Set by EPD/EMS
Oil and grease	µg/L	8,350	16,700	EPA Method 413.1
Oxamyl	µg/L	100	200	Final DWS (CFR, 1995a)
Parathion	µg/L	0.4	0.8	EPA Method 8080
Parathion methyl	µg/L	0.4	0.8	EPA Method 8080
PCB 1016	µg/L	0.25	0.5	Final DWS (CFR, 1995a)
PCB 1221	µg/L	0.25	0.5	Final DWS (CFR, 1995a)
PCB 1232	µg/L	0.25	0.5	Final DWS (CFR, 1995a)
PCB 1242	µg/L	0.25	0.5	Final DWS (CFR, 1995a)
PCB 1248	µg/L	0.25	0.5	Final DWS (CFR, 1995a)
PCB 1254	µg/L	0.25	0.5	Final DWS (CFR, 1995a)
PCB 1260	µg/L	0.25	0.5	Final DWS (CFR, 1995a)
PCB 1262	µg/L	0.25	0.5	Final DWS (CFR, 1995a)
Pentachlorobenzene	µg/L	81	162	EPA Method 8270
Pentachlorodibenzo-p-dioxin isomers	µg/L	0.008	0.016	EPA Method 8280
1,2,3,7,8-PCDD	µg/L	0.0075	0.015	EPA Method 8280
Pentachlorodibenzo-p-furan isomers	µg/L	0.0085	0.017	EPA Method 8280
1,2,3,7,8-PCDF	µg/L	0.0085	0.017	EPA Method 8280

Analyte	Unit	Flag 1	Flag 2	Source
Pentachloroethane	µg/L	81	162	EPA Method 8270
Pentachloronitrobenzene	µg/L	81	162	EPA Method 8270
Pentachlorophenol	µg/L	0.5	1	Final DWS (CFR, 1995a)
pH ^d	pH	8	10	Set by EPD/EMS
pH ^d	pH	4	3	Set by EPD/EMS
Phenacetin	µg/L	81	162	EPA Method 8270
Phenanthrene	µg/L	5.1	10.2	EPA Method 8270
Phenol	µg/L	83.5	167	EPA Method 8270
Phenols	µg/L	50	100	EPA Method 420.1
p-Phenylenediamine	µg/L	81	162	EPA Method 8270
Phorate	µg/L	0.85	1.7	EPA Method 8080
Picloram	µg/L	250	500	Final DWS (CFR, 1995a)
2-Picoline	µg/L	81	162	EPA Method 8270
Plutonium-238	µCi/mL	3.51E-09	7.02E-09	Proposed DWS (EPA, 1991a)
Plutonium-239	µCi/mL	3.11E-08	6.21E-08	Proposed DWS (EPA, 1991a)
Plutonium-239/240 ^c	µCi/mL	3.11E-08	6.21E-08	Proposed DWS (EPA, 1991a)
Plutonium-240	µCi/mL	3.11E-08	6.22E-08	Proposed DWS (EPA, 1991a)
Plutonium-241 ^a	µCi/mL	3.13E-08	6.26E-08	Proposed DWS (EPA, 1991a)
Plutonium-242 ^a	µCi/mL	3.27E-08	6.54E-08	Proposed DWS (EPA, 1991a)
Potassium		No flag	No flag	Set by EPD/EMS
Potassium, dissolved		No flag	No flag	Set by EPD/EMS
Potassium, total recoverable		No flag	No flag	Set by EPD/EMS
Potassium-40	µCi/mL	1.5E-07	3E-07	Proposed DWS (EPA, 1986a)
Promethium-144	µCi/mL	5E-08	1E-07	EPA Method 901.1
Promethium-146	µCi/mL	5E-08	1E-07	EPA Method 901.1
Promethium-147	µCi/mL	2.62E-06	5.24E-06	Proposed DWS (EPA, 1991a)
Pronamid	µg/L	81	162	EPA Method 8270
Propionitrile	µg/L	1,665	3,330	EPA Method 8240
n-Propylbenzene	µg/L	5	10	EPA Method 8260
Pyrene	µg/L	5.1	10.2	EPA Method 8270
Pyridine	µg/L	81	162	EPA Method 8270
Radium, total alpha-emitting	µCi/mL	1E-08	2E-08	Proposed DWS (EPA, 1991a)
Radium-226	µCi/mL	1E-08	2E-08	Proposed DWS (EPA, 1991a)
Radium-228	µCi/mL	1E-08	2E-08	Proposed DWS (EPA, 1991a)
Radon-222	µCi/mL	1.5E-07	3E-07	Proposed DWS (EPA, 1991a)
Ruthenium-103 ^a	µCi/mL	1E-07	2E-07	Interim Final DWS (EPA, 1977)
Ruthenium-106	µCi/mL	1.5E-08	3E-08	Interim Final DWS (EPA, 1977)
Safrole	µg/L	81	162	EPA Method 8270
Selenium	µg/L	25	50	Final DWS (CFR, 1995a)
Selenium, dissolved	µg/L	25	50	Final DWS (CFR, 1995a)
Selenium, total recoverable	µg/L	25	50	Final DWS (CFR, 1995a)
Silica		No flag	No flag	Set by EPD/EMS
Silica, dissolved		No flag	No flag	Set by EPD/EMS
Silica, total recoverable		No flag	No flag	Set by EPD/EMS
Silver	µg/L	50	100	Secondary DWS (CFR, 1995b)
Silver, dissolved	µg/L	50	100	Secondary DWS (CFR, 1995b)
Silver, total recoverable	µg/L	50	100	Secondary DWS (CFR, 1995b)
Simazine	µg/L	2	4	Final DWS (CFR, 1995a)
Sodium		No flag	No flag	Set by EPD/EMS
Sodium, dissolved		No flag	No flag	Set by EPD/EMS
Sodium, total recoverable		No flag	No flag	Set by EPD/EMS
Sodium-22	µCi/mL	2.33E-07	4.66E-07	Proposed DWS (EPA, 1991a)
Specific conductance ^d	µS/cm	250	500	Set by EPD/EMS
Strontium-89	µCi/mL	1E-08	2E-08	Interim Final DWS (EPA, 1977)
Strontium-89/90 ^c	µCi/mL	4E-09	8E-09	Final DWS (CFR, 1995a)
Strontium-90	µCi/mL	4E-09	8E-09	Final DWS (CFR, 1995a)

Analyte	Unit	Flag 1	Flag 2	Source
Styrene	µg/L	50	100	Final DWS (CFR, 1995a)
Sulfate	µg/L	200,000	400,000	Proposed DWS (EPA, 1990)
Sulfide	µg/L	8,350	16,700	EPA Method 9030
Sulfotep	µg/L	81	162	EPA Method 8270
Surfactants		No flag	No flag	Set by EPD/EMS
2,3,7,8-TCDD	µg/L	0.007	0.014	Final DWS (CFR, 1995a)
2,3,7,8-TCDF	µg/L	0.00425	0.0085	EPA Method 8280
Technetium-99	µCi/mL	4.5E-07	9E-07	Interim Final DWS (EPA, 1977)
1,2,4,5-Tetrachlorobenzene	µg/L	81	162	EPA Method 8270
Tetrachlorodibenzo-p-dioxin isomers	µg/L	0.007	0.014	EPA Method 8280
Tetrachlorodibenzo-p-furan isomers	µg/L	0.0055	0.011	EPA Method 8280
1,1,1,2-Tetrachloroethane	µg/L	10	20	EPA Method 8240
1,1,2,2-Tetrachloroethane	µg/L	50	100	EPA Method 8240
Tetrachloroethylene	µg/L	2.5	5	Final DWS (CFR, 1995a)
2,3,4,6-Tetrachlorophenol	µg/L	83.5	167	EPA Method 8270
Thallium	µg/L	1	2	Final DWS (CFR, 1995a)
Thallium, dissolved	µg/L	1	2	Final DWS (CFR, 1995a)
Thallium, total recoverable	µg/L	1	2	Final DWS (CFR, 1995a)
Thionazin	µg/L	81	162	EPA Method 8270
Thorium-228	µCi/mL	6.25E-08	1.25E-07	Proposed DWS (EPA, 1991a)
Thorium-230	µCi/mL	3.96E-08	7.92E-08	Proposed DWS (EPA, 1991a)
Thorium-232	µCi/mL	4.4E-08	8.8E-08	Proposed DWS (EPA, 1991a)
Thorium-234 ^a	µCi/mL	2E-07	4.01E-07	Proposed DWS (EPA, 1991a)
Tin	µg/L	250	500	EPA Method 282.2
Tin, dissolved	µg/L	250	500	EPA Method 282.2
Tin, total recoverable	µg/L	250	500	EPA Method 282.2
Tin-113	µCi/mL	1.5E-07	3E-07	Interim Final DWS (EPA, 1977)
Toluene	µg/L	500	1,000	Final DWS (CFR, 1995a)
o-Toluidine	µg/L	81	162	EPA Method 8270
Total carbon	µg/L	5,000	10,000	EPA Method 9060
Total coliform	N/A	0	0	Final DWS (CFR, 1995a)
Total dissolved solids		No flag	No flag	Set by EPD/EMS
Total hydrocarbons	µg/L	5,000	10,000	EPA Method 418.1
Total inorganic carbon	µg/L	8,350	16,700	EPA Method 9060
Total organic carbon	µg/L	500,000	1,000,000	EPA Method 9060
Total organic halogens	µg/L	50	100	EPA Method 9020
Total organic nitrogen	µg/L	500	1,000	APHA Method 420
Total petroleum hydrocarbons	µg/L	8,350	16,700	EPA Method 418.1
Total phosphates (as P)		No flag	No flag	Set by EPD/EMS
Total phosphorus		No flag	No flag	Set by EPD/EMS
Toxaphene	µg/L	1.5	3	Final DWS (CFR, 1995a)
2,4,5-TP (Silvex)	µg/L	25	50	Final DWS (CFR, 1995a)
Tributyl phosphate	µg/L	86	172	EPA Method 8270
1,2,3-Trichlorobenzene	µg/L	5	10	EPA Method 8260
1,2,4-Trichlorobenzene	µg/L	35	70	Final DWS (CFR, 1995a)
1,1,1-Trichloroethane	µg/L	100	200	Final DWS (CFR, 1995a)
1,1,2-Trichloroethane	µg/L	2.5	5	Final DWS (CFR, 1995a)
Trichloroethylene	µg/L	2.5	5	Final DWS (CFR, 1995a)
Trichlorofluoromethane	µg/L	10	20	EPA Method 8240
2,4,5-Trichlorophenol	µg/L	5	10	EPA Method 8270
2,4,6-Trichlorophenol	µg/L	0.5	1	EPA Method 8270
2,4,5-Trichlorophenoxyacetic acid	µg/L	0.25	0.5	EPA Method 8150
1,2,3-Trichloropropane	µg/L	10	20	EPA Method 8240
Trichlorotrifluoroethane	µg/L	50	100	EPA Method 8260
O,O,O-Triethyl phosphorothioate	µg/L	81	162	EPA Method 8270

Analyte	Unit	Flag 1	Flag 2	Source
1,2,4-Trimethylbenzene	µg/L	5	10	EPA Method 8260
1,3,5-Trimethylbenzene	µg/L	5	10	EPA Method 8260
1,3,5-Trinitrobenzene	µg/L	81	162	EPA Method 8270
Tritium	µCi/mL	1E-05	2E-05	Final DWS (CFR, 1995a)
Turbidity ^e		No flag	No flag	Set by EPD/EMS
Uranium	µg/L	10	20	Proposed DWS (EPA, 1991a)
Uranium alpha activity	µCi/mL	1.5E-08	3E-08	Proposed DWS (EPA, 1991a)
Uranium, dissolved	µg/L	10	20	Proposed DWS (EPA, 1991a)
Uranium, total recoverable	µg/L	10	20	Proposed DWS (EPA, 1991a)
Uranium-233/234 ^c	µCi/mL	6.9E-09	1.38E-08	Proposed DWS (EPA, 1991a)
Uranium-234	µCi/mL	6.95E-09	1.39E-08	Proposed DWS (EPA, 1991a)
Uranium-235	µCi/mL	7.25E-09	1.45E-08	Proposed DWS (EPA, 1991a)
Uranium-238	µCi/mL	7.3E-09	1.46E-08	Proposed DWS (EPA, 1991a)
Vanadium	µg/L	66.5	133	EPA Method 6010
Vanadium, dissolved	µg/L	66.5	133	EPA Method 6010
Vanadium, total recoverable	µg/L	66.5	133	EPA Method 6010
Vinyl acetate	µg/L	50	100	EPA Method 8240
m/p-Xylene	µg/L	81	162	EPA Method 8260
o-Xylene	µg/L	5	10	EPA Method 8260
Xylenes	µg/L	5,000	10,000	Final DWS (CFR, 1995a)
Yttrium-88	µCi/mL	5E-08	1E-07	EPA Method 901.1
Zinc	µg/L	2,500	5,000	Secondary DWS (CFR, 1995b)
Zinc, dissolved	µg/L	2,500	5,000	Secondary DWS (CFR, 1995b)
Zinc, total recoverable	µg/L	2,500	5,000	Secondary DWS (CFR, 1995b)
Zinc-65	µCi/mL	1.5E-07	3E-07	Interim Final DWS (EPA, 1977)
Zirconium-95	µCi/mL	1E-07	2E-07	Interim Final DWS (EPA, 1977)
Zirconium/Niobium-95 ^a	µCi/mL	1E-07	2E-07	Interim Final DWS (EPA, 1977)

- ^a EMS discontinued monitoring this radionuclide because it is inappropriate for the SRS groundwater monitoring program.
- ^b EPD/EMS set this flagging criterion using the 1991 proposed DWS because the final DWS in 1977 may have been in error.
- ^c When radionuclide analyses are combined, the lowest DWS of the two isotopes is used for flagging.
- ^d Will not trigger scheduling.
- ^e The primary maximum contaminant level range for turbidity is 1–5 NTU, which is inappropriate for the SRS groundwater monitoring program.

Appendix C

Figures

THIS PAGE LEFT BLANK INTENTIONALLY.

Figure 1. Location of the Mixed Waste Management Facility at the Savannah River Site

Figure 2. Location of the Groundwater Monitoring Wells at the Mixed Waste Management Facility, the Old Burial Ground, the E-Area Vaults, the Hazardous Waste/Mixed Waste Disposal Vaults (the Burial Ground Complex), and the F-Area Sewage Sludge Application Site

Geologic Age	Lithostratigraphic Units		Hydrostratigraphic Units					
Tertiary	"Upland Unit"		Regulatory Uppermost Aquifer	Aquifer Unit IIB	Aquifer Zone IIB ₂		Aquifer System II	
	Barnwell Group	Tobacco Rd Formation			Confining Zone IIB ₁ - IIB ₂			
		Dry Branch Formation			Aquifer Zone IIB ₁			
		Clinchfield Formation						
	Santee Limestone Formation				Confining Unit IIA-IIB			
	Warley Hill Formation				Aquifer Unit IIA			
	Congaree/ Fishburne Formations							
	Williamsburg Formation			Confining System I-II				
	Ellenton Formation							

Figure 3. Hydrostratigraphic Nomenclature

Figure 4. Location of Aquifer Zone IIB₂ (Water Table) Wells at the Burial Ground Complex

Figure 5. Location of Aquifer Zone IIB₁ (Barnwell/McBean) Wells at the Burial Ground Complex

Figure 6. Location of Aquifer Unit IIA (Congaree) Wells at the Burial Ground Complex

Figure 7. Trichloroethylene Concentrations in Aquifer Zone IIB₂ (Water Table) at the Burial Ground Complex, Fourth Quarter 1997

Figure 8. Trichloroethylene Concentrations in Aquifer Zone IIB₁ (Barnwell/McBean) at the Burial Ground Complex, Fourth Quarter 1997

Figure 9. Trichloroethylene Concentrations in Aquifer Unit IIA (Congaree) at the Burial Ground Complex, Fourth Quarter 1997

Figure 10. Tritium Activities in Aquifer Zone IIB₂ (Water Table) at the Burial Ground Complex, Fourth Quarter 1997

Figure 11. Tritium Activities in Aquifer Zone IIB₁ (Barnwell/McBean) at the Burial Ground Complex, Fourth Quarter 1997

Figure 12. Tritium Activities in Aquifer Unit IIA (Congaree) at the Burial Ground Complex, Fourth Quarter 1997

Figure 13. Piezometric Surface Map of Aquifer Zone IIB₂ (Water Table) at the Burial Ground Complex, Fourth Quarter 1997

Figure 14. Potentiometric Surface Map of Aquifer Zone IIB₁ (Barnwell/McBean) at the Burial Ground Complex, Fourth Quarter 1997

Figure 15. Potentiometric Surface Map of Aquifer Unit IIA (Congaree) at the Burial Ground Complex, Fourth Quarter 1997

THIS PAGE LEFT BLANK INTENTIONALLY.

Appendix D

Groundwater Monitoring Results Tables

THIS PAGE LEFT BLANK INTENTIONALLY.

Key to Reading the Tables

The following abbreviations may appear in the data tables:

Constituents

1,2,3,4,6,7,8-HPCDD	1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin
1,2,3,4,6,7,8-HPCDF	1,2,3,4,6,7,8-heptachlorodibenzo-p-furan
1,2,3,4,7,8-HXCDD	1,2,3,4,7,8-hexachlorodibenzo-p-dioxin
1,2,3,4,7,8-HXCDF	1,2,3,4,7,8-hexachlorodibenzo-p-furan
Lindane	gamma-benzene hexachloride
PCB	polychlorinated biphenyl
1,2,3,7,8-PCDD	1,2,3,7,8-pentachlorodibenzo-p-dioxin
1,2,3,7,8-PCDF	1,2,3,7,8-pentachlorodibenzo-p-furan
Sp. conductance	specific conductance
TCDD	tetrachlorodibenzo-p-dioxin
TCDF	tetrachlorodibenzo-p-furan

Laboratories

CN	Clemson Technical Center, Inc.
EM	Environmental Protection Department/Environmental Monitoring Section (EPD/EMS) Laboratory
GE and GP	General Engineering Laboratories, Inc.
SC	Savannah River Technology Center
SP	Spencer Testing Services, Inc.
TM	Thermo NUtech
WA and WS	Roy F. Weston, Inc.

Sampling Codes

B	blank sample was collected
C	well was pumping continuously
D	well was dry
E	equipment blank was collected
I	well went dry during sampling; insufficient water to collect all samples
L	well went dry before sampling began; only depth to water can be determined
N	well was not stabilized before sampling began
P	inaccessibility or mechanical failure prevented sample collection and field analysis of the water
S	no water in standpipe
T	samples were collected, but some samples were not sent to the laboratory due to high turbidity
W	unable to sample well because of stabilization or sampling equipment failure; water-level measurements were obtained

X well went dry during purging; samples collected after well recovered

Sampling Methods

B sample collected using an open-bucket bailer
O sample collected by method other than bailer or pump
P sample collected using a bladder pump
S sample collected using a single-speed centrifugal downhole pump
V sample collected using a variable-speed pump

Units

mg/L milligrams per liter
msl mean sea level
MSL million structures per liter
NTU nephelometric turbidity unit
pCi/L picocuries per liter
pCi/mL picocuries per milliliter
pH pH unit
µg/L micrograms per liter
µS/cm microsiemens per centimeter

Other

CS carbon steel
DF dilution factor column in data tables
E exponential notation (e.g., $1.1\text{E}-09 = 1.1 \times 10^{-9} = 0.0000000011$)
H holding time column in data tables
Mod modifier column in data tables
PDWS primary drinking water standard
PVC polyvinyl chloride
ST exceeded the final PDWS or screening level column in data tables
TOC Top of casing

Results below Detection

For radiological analyses, the analytical result field contains the result recorded on the analytical instrument and reported by the laboratory, even if it is negative. For nonradiological analyses, if the analyte is not detected, the sample-specific estimated quantitation limit (EQL) is entered into the result field and is reported with a less than [<] sign. The EQL is defined as the lowest concentration that can be achieved reliably within specified limits of precision and accuracy during routine laboratory operating conditions. The sample-specific EQL is modified for sample concentration or dilution or unusual aliquot size that affects analytical sensitivity.

Holding Times

Standard analytical methods include a limit, called holding time, on the maximum elapsed time between sample collection and extraction or analysis by the laboratory. In the data tables, a large bullet (•) in the *H* (holding time) column indicates that holding time was exceeded. Analyses performed beyond holding times may not yield valid results.

The South Carolina Department of Health and Environmental Control (SCDHEC) allows only 15 minutes to elapse between sampling and analysis for pH. Thus, only field pH measurements can meet the holding time criterion; laboratory pH analyses always will exceed it.

The laboratory procedure used for the determination of specific conductance allows one day to elapse between sampling and analysis. Thus, laboratory specific conductance measurements may exceed the holding time criterion.

Data Rounding

Constituent results in analytical results tables that appear to equal the final PDWS but are not marked in the *ST* (exceeded the final PDWS or screening level) column are below the final PDWS in the database. Values stored in the database contain more significant digits than the reported results. Apparent discrepancies in the tables are due to the rounding of reported results.

Data Qualification

The contract laboratories submit sample- or batch-specific quality assurance/quality control information either at the same time as analytical results or in a quarterly summary. Properly defined and used data modifiers (also referred to as qualifiers) can be a key component in assessing data usability. Modifiers designed by EPD/EMS and provided to the primary laboratories are defined below. These modifiers appear in the data tables under the column *Mod*. The lettered modifiers are based on EPA's STORET codes.

Modifiers

(Blank)	Data are not qualified. Numbers should be interpreted exactly as reported.
I	The value in the result field is the instrument reading, not the sample quantitation limit. Always used with the result qualifier <i>U</i> .
J	Value is estimated because quantitation in the sample or in associated quality control samples did not meet specifications.
L	Value is off-scale high. The actual value is not known but is known to be greater than the value shown.
M	Presence of the analyte is verified but not quantified.
R	Result was rejected because performance requirements in the sample analysis or associated quality control analyses were not met.
T	Analyte was not detected; if present, it was below the criteria for detection.
U	Material analyzed for but not detected. Analytical result reported is less than the sample quantitation limit.
V	Analyte was detected in an associated method blank.
Y	Result was obtained from an unpreserved or improperly preserved sample. Data may not be accurate.
1	Result may be an underestimation of the true value due to analytical bias.
2	Result may be an overestimation of the true value due to analytical bias.
3	The associated result may be of poor precision (high variability) due to analytical bias.

Note: These are only some of the qualifiers present in the database. All modifiers associated with the data are published in the result tables of EPD/EMS' quarterly groundwater monitoring reports, the official repository of the data.

Table D-1. Constituents Exceeding the Groundwater Protection Standard

<i>Well</i>	<i>Constituent</i>	<i>Unit</i>	<i>1Q97</i>	<i>2Q97</i>	<i>3Q97</i>	<i>4Q97</i>	<i>Mod</i>
Aquifer Zone IIB₂ (Water Table)							
BGO 2D	Gross alpha	pCi/L	NA ^a	2.3E+01	NA	NA	
BGO 3DR	Trichloroethylene	µg/L	NA	220	NA	270	
	Tritium	pCi/mL	NA	6.3E+03	NA	8.0E+03	
BGO 4D	Tritium	pCi/mL	NA	6.9E+01	NA	1.4E+02	
BGO 5D	Tritium	pCi/mL	NA	8.5E+03	NA	4.6E+03	
BGO 6D	Tetrachloroethylene	µg/L	NA	12	NA	NA	
	Trichloroethylene	µg/L	NA	120	NA	— ^b	
	Tritium	pCi/mL	NA	2.4E+03	NA	2.7E+03	
BGO 7D	Trichloroethylene	µg/L	NA	29	NA	6.3	
	Tritium	pCi/mL	NA	3.7E+02	NA	4.3E+02	
BGO 8D	Tritium	pCi/mL	NA	2.8E+02	NA	3.0E+02	
BGO 9D	Tritium	pCi/mL	NA	5.2E+02	NA	3.9E+02	
BGO 10DR	Tritium	pCi/mL	NA	3.1E+01	NA	2.7E+01	
BGO 11DR	Strontium-90	pCi/L	NA	NA	NA	6.4E+01	J
	Tritium	pCi/mL	NA	1.4E+04	NA	1.6E+04	
BGO 14DR	Trichloroethylene	µg/L	NA	31	NA	23	
	Tritium	pCi/mL	NA	2.7E+02	NA	3.2E+02	
BGO 15D	Tetrachloroethylene	µg/L	NA	6.8	NA	6.7	
	Trichloroethylene	µg/L	NA	62	NA	85	
	Tritium	pCi/mL	NA	1.4E+03	NA	1.6E+03	
BGO 16D	Trichloroethylene	µg/L	NA	—	NA	6.2	
	Tritium	pCi/mL	NA	2.6E+02	NA	2.9E+02	
BGO 19DR	Nonvolatile beta	pCi/L	NA	NA	NA	9.7E+01	
	Tritium	pCi/mL	NA	8.5E+01	NA	9.5E+01	
BGO 20D	Tritium	pCi/mL	NA	2.5E+01	NA	2.8E+01	
BGO 21D	Tritium	pCi/mL	NA	2.8E+01	NA	NA	
BGO 23D	Tritium	pCi/mL	NA	2.5E+01	NA	2.3E+01	
BGO 26D	Trichloroethylene	µg/L	NA	NA	NA	26	
BGO 27D	Chloroethene	µg/L	NA	NA	NA	2.9	
	Tritium	pCi/mL	NA	NA	NA	9.1E+02	
BGO 28D	Chloroethene	µg/L	NA	NA	NA	25	

Well	Constituent	Unit	1Q97	2Q97	3Q97	4Q97	Mod
	Trichloroethylene	µg/L	NA	NA	NA	97	
	Tritium	pCi/mL	NA	NA	NA	1.5E+04	
BGO 30D	Chloroethene	µg/L	NA	NA	NA	5.7	
	Gross alpha	pCi/L	NA	NA	NA	2.1E+01	
	Trichloroethylene	µg/L	NA	NA	NA	10	
	Tritium	pCi/mL	NA	NA	NA	1.9E+04	
BGO 31D	Tritium	pCi/mL	NA	NA	NA	3.7E+01	
BGO 33D	Tritium	pCi/mL	NA	NA	NA	2.4E+01	
BGO 35D	Tritium	pCi/mL	NA	NA	NA	6.7E+01	
BGO 36D	Tritium	pCi/mL	NA	NA	NA	2.3E+01	
BGO 37D	Tritium	pCi/mL	NA	NA	NA	2.7E+01	
BGO 38D	Tritium	pCi/mL	NA	NA	NA	2.3E+01	
BGO 46D	Chloroethene	µg/L	NA	NA	NA	5.3	
	Tetrachloroethylene	µg/L	NA	NA	NA	8.8	
	Trichloroethylene	µg/L	NA	NA	NA	28	
	Tritium	pCi/mL	NA	NA	NA	3.9E+04	
BGO 47D	Trichloroethylene	µg/L	NA	NA	NA	6.5	
	Tritium	pCi/mL	NA	NA	NA	5.2E+02	
BGO 48D	Gross alpha	pCi/L	NA	NA	NA	3.8E+01	
	Tetrachloroethylene	µg/L	NA	NA	NA	14	
	Trichloroethylene	µg/L	NA	NA	NA	190	
	Tritium	pCi/mL	NA	NA	NA	3.8E+04	
BGO 50D	Trichloroethylene	µg/L	NA	NA	NA	7.4	
	Tritium	pCi/mL	NA	NA	NA	6.9E+02	
BGO 51D	Tritium	pCi/mL	NA	NA	NA	2.4E+01	
BGO 52D	Tritium	pCi/mL	NA	NA	NA	2.1E+01	
BGX 1D	Tritium	pCi/mL	NA	NA	NA	3.9E+03	
BGX 10D	Trichloroethylene	µg/L	NA	NA	NA	47	
BGX 11D	Gross alpha	pCi/L	NA	NA	NA	3.3E+01	V
FSS 2D	Tritium	pCi/mL	NA	NA	NA	5.2E+01	
FSS 3D	Tritium	pCi/mL	NA	NA	NA	1.4E+02	
Aquifer Zone IIB₁ (Barnwell/McBean)							
BGO 6B	Tritium	pCi/mL	NA	2.6E+02	NA	3.5E+01	

<i>Well</i>	<i>Constituent</i>	<i>Unit</i>	<i>1Q97</i>	<i>2Q97</i>	<i>3Q97</i>	<i>4Q97</i>	<i>Mod</i>
BGO 12CX	Trichloroethylene Tritium	µg/L pCi/mL	NA NA	260 8.5E+01	NA NA	NA 7.1E+02	
Aquifer Zone IIB₁ (upper Barnwell/McBean)							
BGO 10B	Tritium	pCi/mL	NA	NA	NA	3.8E+02	
BGO 10C	Tritium	pCi/mL	NA	1.5E+02	NA	NA	
BGO 13DR	Tritium	pCi/mL	NA	4.4E+01	NA	7.0E+01	
BGO 14CR	Trichloroethylene Tritium	µg/L pCi/mL	NA NA	41 4.2E+01	NA NA	48 7.5E+01	
BGO 29C	Tritium	pCi/mL	NA	NA	NA	4.2E+02	
BGO 42C	Trichloroethylene	µg/L	NA	NA	NA	32	
BGO 43CR	Gross alpha	pCi/L	NA	NA	NA	2.7E+01	
BGO 44C	Tritium	pCi/mL	NA	NA	NA	2.0E+02	
BGO 45C	Tritium	pCi/mL	NA	NA	NA	4.4E+02	
BGO 46C	Trichloroethylene Tritium	µg/L pCi/mL	NA NA	NA NA	NA NA	35 1.3E+03	
BGO 47C	Tritium	pCi/mL	NA	NA	NA	3.7E+02	
BGO 48C	Trichloroethylene Tritium	µg/L pCi/mL	NA NA	NA NA	NA NA	6.2 2.8E+03	
BGO 49C	Tritium	pCi/mL	NA	NA	NA	1.2E+02	
BGO 50C	Tritium	pCi/mL	NA	NA	NA	1.8E+02	
BGO 53C	Trichloroethylene Tritium	µg/L pCi/mL	NA NA	NA NA	NA NA	48 5.2E+01	
BGX 1C	Tritium	pCi/mL	NA	NA	NA	1.2E+03	
BGX 2D	Trichloroethylene Tritium	µg/L pCi/mL	NA NA	NA NA	NA NA	22 1.4E+02	
BGX 3D	Tritium	pCi/mL	NA	NA	NA	2.7E+02	
BGX 4D	Tritium	pCi/mL	NA	NA	NA	4.7E+01	
BGX 5D	Tritium	pCi/mL	NA	NA	NA	1.7E+02	
BGX 6D	Tritium	pCi/mL	NA	NA	NA	4.0E+01	
BGX 7D	Tritium	pCi/mL	NA	NA	NA	4.7E+02	

Well	Constituent	Unit	1Q97	2Q97	3Q97	4Q97	Mod
BGX 8DR	Tritium	pCi/mL	NA	NA	NA	4.9E+03	
HMD 1D	Tritium	pCi/mL	NA	NA	NA	4.9E+01	
HMD 2D	Dichloromethane	µg/L	NA	NA	NA	5.5	
HMD 3D	Tritium	pCi/mL	NA	NA	NA	6.8E+01	
Aquifer Zone IIB₁ (lower Barnwell/McBean)							
BGO 5C	Tritium	pCi/mL	NA	4.3E+01	NA	NA	
BGO 6C	Tritium	pCi/mL	NA	1.1E+03	NA	9.6E+02	
BGO 27C	Trichloroethylene	µg/L	NA	NA	NA	23	
	Tritium	pCi/mL	NA	NA	NA	1.3E+02	
BGO 30C	Trichloroethylene	µg/L	NA	NA	NA	8.7	J
	Tritium	pCi/mL	NA	NA	NA	8.6E+02	
BGO 31C	Tritium	pCi/mL	NA	NA	NA	4.3E+03	
BGO 33C	Tetrachloroethylene	µg/L	NA	NA	NA	6.0	
	Trichloroethylene	µg/L	NA	NA	NA	54	
	Tritium	pCi/mL	NA	NA	NA	1.2E+04	
BGO 35C	Trichloroethylene	µg/L	NA	NA	NA	6.1	
	Tritium	pCi/mL	NA	NA	NA	5.1E+01	
BGO 37C	Carbon tetrachloride	µg/L	NA	NA	NA	11	
	Chloroethene	µg/L	NA	NA	NA	11	
	Chloroform	µg/L	NA	NA	NA	160	
	1,1-Dichloroethylene	µg/L	NA	NA	NA	26	
	Tetrachloroethylene	µg/L	NA	NA	NA	50	
	Trichloroethylene	µg/L	NA	NA	NA	1,200	
	Tritium	pCi/mL	NA	NA	NA	2.1E+05	
BGO 44B	Tritium	pCi/mL	NA	NA	NA	9.8E+01	
HSB 85B	Bis(2-ethylhexyl) phthalate	µg/L	320	NA	NA	NA	
Aquifer Unit IIA (upper Congaree)							
BGO 3A	Tritium	pCi/mL	NA	1.2E+02	NA	2.4E+02	
BGO 8AR	Nonvolatile beta	pCi/L	NA	NA	NA	5.6E+01	
BGO 29A	Trichloroethylene	µg/L	NA	NA	NA	5.4	
BGO 41A	Gross alpha	pCi/L	NA	NA	NA	1.8E+01	
	Trichloroethylene	µg/L	NA	NA	NA	10	
BGO 50A	Gross alpha	pCi/L	NA	NA	NA	2.5E+01	V

<i>Well</i>	<i>Constituent</i>	<i>Unit</i>	<i>1Q97</i>	<i>2Q97</i>	<i>3Q97</i>	<i>4Q97</i>	<i>Mod</i>
BGX 1A	Trichloroethylene	µg/L	NA	NA	NA	6.9	
	Tritium	pCi/mL	NA	NA	NA	5.0E+02	
Aquifer Unit IIA (middle Congaree)							
BGO 26A	Trichloroethylene	µg/L	NA	NA	NA	11	
Aquifer Unit IIA (lower Congaree)							
BGO 9AA	Gross alpha	pCi/L	NA	NA	NA	2.4E+01	
	Nonvolatile beta	pCi/L	NA	NA	NA	1.1E+02	

aNA = not analyzed.

b— = analyzed but not above the GWPS.

Notes: This table presents the highest value for duplicate/replicate results. The groundwater samples are unfiltered; therefore, the results for metals are for total recoverable metals.

Table D-2. Constituents Exceeding the SRS Flag 2 Criteria

<i>Well</i>	<i>Constituent</i>	<i>Unit</i>	<i>4Q97</i>	<i>Mod</i>
Aquifer Zone IIB₂ (Water Table)				
BGO 3DR	Total organic halogens	µg/L	88	
	Trichloroethylene	µg/L	270	
	Tritium	pCi/mL	8.0E+03	
BGO 4D	Tritium	pCi/mL	1.4E+02	
BGO 5D	Tritium	pCi/mL	4.6E+03	
BGO 6D	Tetrachloroethylene	µg/L	1.0	J1
	Total organic halogens	µg/L	110	
	Trichloroethylene	µg/L	1.0	
	Tritium	pCi/mL	2.7E+03	
BGO 7D	Thallium	µg/L	3.3	JE
	Trichloroethylene	µg/L	6.3	
	Tritium	pCi/mL	4.3E+02	
BGO 8D	Tritium	pCi/mL	3.0E+02	
BGO 9D	Tritium	pCi/mL	3.9E+02	
BGO 10DR	Tritium	pCi/mL	2.7E+01	
BGO 11DR	Strontium-90	pCi/L	6.4E+01	J
	Tritium	pCi/mL	1.6E+04	
BGO 14DR	Trichloroethylene	µg/L	23	
	Tritium	pCi/mL	3.2E+02	
BGO 15D	Tetrachloroethylene	µg/L	6.7	JV1
	Total organic halogens	µg/L	200	
	Trichloroethylene	µg/L	85	
	Tritium	pCi/mL	1.6E+03	
BGO 16D	Trichloroethylene	µg/L	6.2	
	Tritium	pCi/mL	2.9E+02	
BGO 19DR	Lead	µg/L	120	
	Nonvolatile beta	pCi/L	9.7E+01	
	Tritium	pCi/mL	9.5E+01	
BGO 20D	Tritium	pCi/mL	2.8E+01	
BGO 23D	Tritium	pCi/mL	2.3E+01	
BGO 26D	Aluminum	µg/L	370	
	Iron	µg/L	480	
	Trichloroethylene	µg/L	26	
BGO 27D	Aluminum	µg/L	110	

Well	Constituent	Unit	4Q97	Mod
	Chloroethene	µg/L	2.9	
	Iron	µg/L	480	
	Tritium	pCi/mL	9.1E+02	
BGO 28D	Aluminum	µg/L	1,200	
	Chloroethene	µg/L	25	
	Iron	µg/L	970	
	Manganese	µg/L	85	
	Total organic halogens	µg/L	100	J1
	Trichloroethylene	µg/L	97	
	Tritium	pCi/mL	1.5E+04	
BGO 30D	Aluminum	µg/L	460	
	Chloroethene	µg/L	5.7	
	Gross alpha	pCi/L	2.1E+01	
	Iron	µg/L	910	
	Manganese	µg/L	88	
	Total organic halogens	µg/L	170	J1
	Trichloroethylene	µg/L	10	
	Tritium	pCi/mL	1.9E+04	
BGO 31D	Aluminum	µg/L	72	J
	Tritium	pCi/mL	3.7E+01	
BGO 33D	Aluminum	µg/L	610	
	Iron	µg/L	1,500	
	Tritium	pCi/mL	2.4E+01	
BGO 34D	Aluminum	µg/L	260	
	Iron	µg/L	430	
BGO 35D	Aluminum	µg/L	1,300	
	Iron	µg/L	1,800	
	Tritium	pCi/mL	6.7E+01	
BGO 36D	Aluminum	µg/L	520	
	Iron	µg/L	730	
	Tritium	pCi/mL	2.3E+01	
BGO 37D	Aluminum	µg/L	500	
	Iron	µg/L	1,000	
	Tritium	pCi/mL	2.7E+01	
BGO 38D	Aluminum	µg/L	1,300	
	Iron	µg/L	2,400	
	Tritium	pCi/mL	2.3E+01	
BGO 46D	Chloroethene	µg/L	5.3	
	1,1-Dichloroethane	µg/L	61	
	Tetrachloroethylene	µg/L	8.8	
	Total organic halogens	µg/L	140	J1
	Trichloroethylene	µg/L	28	
	Tritium	pCi/mL	3.9E+04	
BGO 47D	Trichloroethylene	µg/L	6.5	

Well	Constituent	Unit	4Q97	Mod
BGO 48D	Tritium	pCi/mL	5.2E+02	J1
	Gross alpha	pCi/L	3.8E+01	
	Radium, total alpha-emitting	pCi/L	1.1E+01	
	Tetrachloroethylene	µg/L	14	
	Total organic halogens	µg/L	180	
	Trichloroethylene	µg/L	190	
	Tritium	pCi/mL	3.8E+04	
BGO 50D	Trichloroethylene	µg/L	7.4	
	Tritium	pCi/mL	6.9E+02	
BGO 51D	Tritium	pCi/mL	2.4E+01	
BGO 52D	Tritium	pCi/mL	2.1E+01	
BGX 1D	Aluminum	µg/L	94	
	Tritium	pCi/mL	3.9E+03	
BGX 9D	Aluminum	µg/L	57	J
BGX 10D	Aluminum	µg/L	600	J3
	Iron	µg/L	1,500	
	Trichloroethylene	µg/L	47	
BGX 11D	Aluminum	µg/L	3,700	V V
	Gross alpha	pCi/L	3.3E+01	
	Iron	µg/L	14,000	
FSS 2D	Tritium	pCi/mL	5.2E+01	
FSS 3D	Lead	µg/L	94	
	Tritium	pCi/mL	1.4E+02	
FSS 4D	Copper	µg/L	1,500	
	Lead	µg/L	550	
Aquifer Zone IIB ₁ (Barnwell/McBean)				
BGO 6B	Tritium	pCi/mL	3.5E+01	
BGO 12AX	Mercury	µg/L	2.1	
BGO 12CX	Total organic halogens	µg/L	560	
	Trichloroethylene	µg/L	1.0	
	Tritium	pCi/mL	7.1E+02	
Aquifer Zone IIB ₁ (upper Barnwell/McBean)				
BGO 10B	Tritium	pCi/mL	3.8E+02	
BGO 10C	Tritium	pCi/mL	7.6E-01	
BGO 13DR	Tritium	pCi/mL	7.0E+01	

<i>Well</i>	<i>Constituent</i>	<i>Unit</i>	<i>4Q97</i>	<i>Mod</i>
BGO 14CR	Trichloroethylene	µg/L	48	
	Tritium	pCi/mL	7.5E+01	
BGO 20C	Cadmium	µg/L	9.5	
BGO 29C	Tritium	pCi/mL	4.2E+02	
BGO 42C	Trichloroethylene	µg/L	32	
BGO 43CR	Gross alpha	pCi/L	2.7E+01	
	Radium, total alpha-emitting	pCi/L	6.9E+00	
BGO 44C	Tritium	pCi/mL	2.0E+02	
BGO 45C	Tritium	pCi/mL	4.4E+02	
BGO 46C	Trichloroethylene	µg/L	35	
	Tritium	pCi/mL	1.3E+03	
BGO 47C	Tritium	pCi/mL	3.7E+02	
BGO 48C	Trichloroethylene	µg/L	6.2	
	Tritium	pCi/mL	2.8E+03	
BGO 49C	Tritium	pCi/mL	1.2E+02	
BGO 50C	Tritium	pCi/mL	1.8E+02	
BGO 53C	Trichloroethylene	µg/L	48	
	Tritium	pCi/mL	5.2E+01	
BGX 1C	Lead	µg/L	60	V
	Tritium	pCi/mL	1.2E+03	
BGX 2D	Trichloroethylene	µg/L	22	
	Tritium	pCi/mL	1.4E+02	
BGX 3D	Aluminum	µg/L	310	
	Iron	µg/L	680	
	Tritium	pCi/mL	2.7E+02	
BGX 4D	Aluminum	µg/L	50	
	Tritium	pCi/mL	4.7E+01	
BGX 5D	Aluminum	µg/L	570	
	Iron	µg/L	1,400	
	Manganese	µg/L	310	
	Tritium	pCi/mL	1.7E+02	
BGX 6D	Tritium	pCi/mL	4.0E+01	
BGX 7D	Tritium	pCi/mL	4.7E+02	
BGX 8DR	Tritium	pCi/mL	4.9E+03	
HMD 1D	Lead	µg/L	79	

<i>Well</i>	<i>Constituent</i>	<i>Unit</i>	<i>4Q97</i>	<i>Mod</i>
	Tritium	pCi/mL	4.9E+01	
HMD 2D	Dichloromethane	µg/L	5.5	
HMD 3D	Tritium	pCi/mL	6.8E+01	
HMD 4D	Lead	µg/L	130	
Aquifer Zone IIB₁ (lower Barnwell/McBean)				
BGO 6C	Tritium	pCi/mL	9.6E+02	
BGO 27C	Trichloroethylene	µg/L	23	
	Tritium	pCi/mL	1.3E+02	
BGO 30C	Trichloroethylene	µg/L	8.7	J
	Tritium	pCi/mL	8.6E+02	
BGO 31C	Tritium	pCi/mL	4.3E+03	
BGO 33C	Mercury	µg/L	6.7	
	Tetrachloroethylene	µg/L	6.0	
	Total organic halogens	µg/L	170	
	Trichloroethylene	µg/L	54	
	Tritium	pCi/mL	1.2E+04	
BGO 35C	Trichloroethylene	µg/L	6.1	
	Tritium	pCi/mL	5.1E+01	
BGO 37C	Carbon tetrachloride	µg/L	11	
	Chloroethene	µg/L	11	
	Chloroform	µg/L	160	
	1,1-Dichloroethane	µg/L	52	
	1,1-Dichloroethylene	µg/L	26	
	Mercury	µg/L	2.0	
	Tetrachloroethylene	µg/L	50	
	Total organic halogens	µg/L	170	J1
	Trichloroethylene	µg/L	1,200	
	Tritium	pCi/mL	2.1E+05	
BGO 44B	Tritium	pCi/mL	9.8E+01	
BGX 2B	Chromium	µg/L	120	
HSB 85B	pH	pH	7.7	J1
Aquifer Unit IIA (upper Congaree)				
BGO 3A	Tritium	pCi/mL	2.4E+02	
BGO 8AR	Nonvolatile beta	pCi/L	5.6E+01	
BGO 29A	Trichloroethylene	µg/L	5.4	

Well	Constituent	Unit	4Q97	Mod
BGO 41A	Aluminum	µg/L	430	J3
	Gross alpha	pCi/L	1.8E+01	
	Trichloroethylene	µg/L	10	
BGO 43A	Lithium	µg/L	500	
BGO 50A	Gross alpha	pCi/L	2.5E+01	V
	Lithium	µg/L	670	
		Radium, total alpha-emitting	pCi/L	5.6E+00
BGX 1A	Lithium	µg/L	290	
	Trichloroethylene	µg/L	6.9	
	Tritium	pCi/mL	5.0E+02	
Aquifer Unit IIA (middle Congaree)				
BGO 26A	Trichloroethylene	µg/L	11	
Aquifer Unit IIA (lower Congaree)				
BGO 9AA	Gross alpha	pCi/L	2.4E+01	
	Lithium	µg/L	1,500	
	Nonvolatile beta	pCi/L	1.1E+02	
	Radium, total alpha-emitting	pCi/L	6.8E+00	

Notes: This table presents the highest value for duplicate/replicate results. The groundwater samples are unfiltered; therefore, the results for metals are for total recoverable metals. Flags are established by EPD/EMS and are based on final PDWS, Secondary Drinking Water Standards, or method detection limits (see Appendix B).

Table D-3. Groundwater Monitoring Results for Individual Wells

WELL BGO 1D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N73737.9 E58779.3	33.284765 °N 81.655257 °W	245.0-225.0 ft msl	295.1 ft msl	4" PVC	S	Water Table (IIB2)
SAMPLE DATE		04/08/97		11/05/97		
FIELD DATA						
<u>Parameter</u>	<u>1Q</u>	<u>2Q</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>	
Water elevation		236.9		236.4	ft msl	
pH		4.2		4.3	pH	
Sp. conductance		60		48	µS/cm	
Water temperature		24.0		9.5	°C	
Alkalinity as CaCO3		2		1	mg/L	
Turbidity		18		136	NTU	
Volume purged		0.0		1.5	well volume	
Sampling code		X		X		

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)		<1,000		1,000	1	JE	µg/L	GE	
		Aluminum, total recoverable		410					µg/L		
		Antimony, total recoverable		<15		<10	1		µg/L	GE	0
		Arsenic, total recoverable		3.1		<3.8	1	V	µg/L	GE	0
		Barium, total recoverable		11		40	1		µg/L	GE	0
		Benzene		<2.0		<1.0	1	J	µg/L	GE	0
		Boron, total recoverable		<500		<50	1		µg/L	GE	0
		Bromodichloromethane		<2.0		<1.0	1	J	µg/L	GE	0
		Bromoform		<2.0		<1.0	1	J	µg/L	GE	0
		Bromomethane (Methyl bromide)		<2.0		<1.0	1	J	µg/L	GE	0
		Cadmium, total recoverable		<10		<5.0	1		µg/L	GE	0
		Carbon tetrachloride		<2.0		<1.0	1	J	µg/L	GE	0
		Carbon-14		-1.9E+00		-4.7E+00	1	UI	pCi/L	GP	0
		Chlorobenzene		<2.0		<1.0	1	J	µg/L	GE	0
		Chloroethane		<2.0		<1.0	1	J	µg/L	GE	0
		Chloroethene (Vinyl chloride)		<2.0		<1.0	1	J	µg/L	GE	0
		2-Chloroethyl vinyl ether		<5.0		<5.0	1	J	µg/L	GE	0
		Chloroform		<2.0		<1.0	1	J	µg/L	GE	0
		Chloromethane (Methyl chloride)		<2.0		0.62	1	JE	µg/L	GE	0
		Chromium, total recoverable		<20		8.8	1		µg/L	GE	0
		Copper, total recoverable		20		46	1		µg/L	GE	0
		Dibromochloromethane		<2.0		<1.0	1	J	µg/L	GE	0
		1,1-Dichloroethane		<2.0		<1.0	1	J	µg/L	GE	0
		1,2-Dichloroethane		<2.0		<1.0	1	J	µg/L	GE	0
		1,1-Dichloroethylene		<2.0		<1.0	1	J	µg/L	GE	0
		trans-1,2-Dichloroethylene		<2.0		<1.0	1	J	µg/L	GE	0
		Dichloromethane		<5.0		<1.0	1	J	µg/L	GE	0
		1,2-Dichloropropane		<2.0		<1.0	1	J	µg/L	GE	0
		cis-1,3-Dichloropropene		<2.0		<1.0	1	J	µg/L	GE	0
		trans-1,3-Dichloropropene		<2.0		<1.0	1	J	µg/L	GE	0
		Ethylbenzene		<2.0		<1.0	1	J	µg/L	GE	0
		Gross alpha		9.0E+00		3.8E+00	1		pCi/L	GP	0
		Iron, total recoverable		310					µg/L		
		Lead, total recoverable		7.3		14	1	V	µg/L	GE	0
		Lithium, total recoverable		<14		<25	1		µg/L	GE	0
		Manganese, total recoverable		15					µg/L		
		Mercury, total recoverable		<1.0		<0.20	1		µg/L	GE	0
		Nickel, total recoverable		<20		5.5	1		µg/L	GE	0
		Nonvolatile beta		4.5E+00		2.6E+00	1		pCi/L	GP	0
		Phenols		<25		<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting		8.0E-01		4.0E-01	1	UI	pCi/L	GP	0
		Selenium, total recoverable		<10		<5.0	1		µg/L	GE	0
		Silver, total recoverable		<10		0.68	1	JE	µg/L	GE	0
		Strontium-90		1.8E-01		-2.6E-01	1	UJI	pCi/L	GP	0
		Sulfate		<5,000		230	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane		<2.0		<1.0	1	J	µg/L	GE	0
		Tetrachloroethylene		<2.0		<1.0	1	J	µg/L	GE	0
		Tin, total recoverable		<100		<10	1		µg/L	GE	0
		Toluene		<2.0		<1.0	1	J	µg/L	GE	0
		Total dissolved solids		24,000		38,000	1		µg/L	GE	
		Total organic carbon		<5,000		180	1	JE	µg/L	GE	0
		Total organic halogens		<10		<10	1		µg/L	GE	0
		1,1,1-Trichloroethane		<2.0		<1.0	1	J	µg/L	GE	0
		1,1,2-Trichloroethane		<2.0		<1.0	1	J	µg/L	GE	0
		Trichloroethylene		<2.0		<1.0	1	J	µg/L	GE	0
		Trichlorofluoromethane		<2.0		<1.0	1	J	µg/L	GE	0
		Tritium		1.3E+01		1.3E+01	1		pCi/mL	GP	1
		Zinc, total recoverable		35		95	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 2D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74552.9 E58809.7	33.286617 °N 81.656760 °W	238.9-218.9 ft msl	296.9 ft msl	4" PVC	S	Water Table (IB2)

SAMPLE DATE 04/04/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation		235.7			ft msl
pH		4.0			pH
Sp. conductance		40			µS/cm
Water temperature		25.0			°C
Alkalinity as CaCO ₃		0			mg/L
Turbidity		9			NTU
Volume purged		0.0			well volume
Sampling code		X		P	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)		<1,000					µg/L		
		Aluminum, total recoverable		290					µg/L		
		Antimony, total recoverable		<15					µg/L		
		Arsenic, total recoverable		<10					µg/L		
		Barium, total recoverable		22					µg/L		
		Benzene		<2.0					µg/L		
		Boron, total recoverable		<500					µg/L		
		Bromodichloromethane		<2.0					µg/L		
		Bromoform		<2.0					µg/L		
		Bromomethane (Methyl bromide)		<2.0					µg/L		
		Cadmium, total recoverable		<10					µg/L		
		Carbon tetrachloride		<2.0					µg/L		
		Carbon-14		<i>8.0E-01</i>					pCi/L		
		Chlorobenzene		<2.0					µg/L		
		Chloroethane		<2.0					µg/L		
		Chloroethene (Vinyl chloride)		<2.0					µg/L		
		2-Chloroethyl vinyl ether		<5.0					µg/L		
		Chloroform		<2.0					µg/L		
		Chloromethane (Methyl chloride)		<2.0					µg/L		
		Chromium, total recoverable		<20					µg/L		
		Copper, total recoverable		65					µg/L		
		Dibromochloromethane		<2.0					µg/L		
		1,1-Dichloroethane		<2.0					µg/L		
		1,2-Dichloroethane		<2.0					µg/L		
		1,1-Dichloroethylene		<2.0					µg/L		
		trans-1,2-Dichloroethylene		<2.0					µg/L		
		Dichloromethane		<5.0					µg/L		
		1,2-Dichloropropane		<2.0					µg/L		
		cis-1,3-Dichloropropene		<2.0					µg/L		
		trans-1,3-Dichloropropene		<2.0					µg/L		
		Ethylbenzene		<2.0					µg/L		
		Gross alpha		<i>2.3E+01</i>					pCi/L		
		Iron, total recoverable		380					µg/L		
		Lead, total recoverable		7.3					µg/L		
		Lithium, total recoverable		<25					µg/L		
		Manganese, total recoverable		6.3					µg/L		
		Mercury, total recoverable		<1.0					µg/L		
		Nickel, total recoverable		8.2					µg/L		
		Nonvolatile beta		<i>1.2E+01</i>					pCi/L		
		Phenols		<25					µg/L		
		Radium, total alpha-emitting		<i>3.0E+00</i>					pCi/L		
		Selenium, total recoverable		2.3					µg/L		
		Silver, total recoverable		<10					µg/L		
		Strontium-90		<i>1.1E-01</i>					pCi/L		
		Sulfate		<5,000					µg/L		
		1,1,2,2-Tetrachloroethane		<2.0					µg/L		
		Tetrachloroethylene		<2.0					µg/L		
		Tin, total recoverable		<100					µg/L		
		Toluene		<2.0					µg/L		
		Total dissolved solids		20,000					µg/L		
		Total organic carbon		<5,000					µg/L		
		Total organic halogens		<10					µg/L		
		1,1,1-Trichloroethane		<2.0					µg/L		
		1,1,2-Trichloroethane		<2.0					µg/L		
		Trichloroethylene		<2.0					µg/L		
		Trichlorofluoromethane		<2.0					µg/L		
		Tritium		<i>1.6E+01</i>					pCi/mL		
		Zinc, total recoverable		190					µg/L		

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 3A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75561.7 E58806.8	33.288844 °N 81.658727 °W	113.7-103.7 ft msl	291.9 ft msl	2" PVC	V	U. Congaree (IIA)

SAMPLE DATE 04/03/97 11/24/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation		162.6		162.5	ft msl
pH		6.0		6.2	pH
Sp. conductance		120		120	µS/cm
Water temperature		26.0		19.0	°C
Alkalinity as CaCO ₃		50		34	mg/L
Turbidity		1		0	NTU
Volume purged		2.9		2.8	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Acenaphthene				<11	1		µg/L	GE	0
		Acenaphthylene				<11	1		µg/L	GE	0
		Acetone				<5.0	1		µg/L	GE	0
		Acetonitrile (Methyl cyanide)				<5.0	1		µg/L	GE	0
		Acetophenone				<11	1		µg/L	GE	0
		2-Acetylaminofluorene				<11	1		µg/L	GE	0
		Acrolein				<10	1		µg/L	GE	0
		Acrylonitrile				<10	1		µg/L	GE	0
		Actinium-228				4.6E+00	1	UI	pCi/L	GP	0
		Aldrin				<0.020	1		µg/L	GE	0
		Alkalinity (as CaCO ₃)		46,000		47,000	1		µg/L	GE	0
		Allyl chloride				<5.0	1		µg/L	GE	0
		Americium-241				4.5E-02	1	UJI	pCi/L	GP	0
		4-Aminobiphenyl				<11	1		µg/L	GE	0
		Aniline				<11	1		µg/L	GE	0
		Anthracene				<11	1		µg/L	GE	0
		Antimony, total recoverable		<15		<10	1		µg/L	GE	0
		Antimony-125				3.6E+00	1	UI	pCi/L	GP	0
		Aramite				<11	1		µg/L	GE	0
		Arsenic, total recoverable		<10		<5.0	1		µg/L	GE	0
		Barium, total recoverable		96		94	1		µg/L	GE	0
		Benzene		<2.0		<1.0	1		µg/L	GE	0
		alpha-Benzene hexachloride				<0.020	1		µg/L	GE	0
		beta-Benzene hexachloride				<0.020	1		µg/L	GE	0
		delta-Benzene hexachloride				<0.020	1		µg/L	GE	0
		Benzo(a)anthracene				<11	1		µg/L	GE	0
		Benzo(b)fluoranthene				<11	1		µg/L	GE	0
		Benzo(k)fluoranthene				<11	1		µg/L	GE	0
		Benzo(g,h,i)perylene				<11	1		µg/L	GE	0
		Benzo(a)pyrene				<11	1		µg/L	GE	0
		Benzyl alcohol				<11	1		µg/L	GE	0
		Beryllium, total recoverable				<5.0	1		µg/L	GE	0
		Bis(2-chloroethoxy) methane				<11	1		µg/L	GE	0
		Bis(2-chloroethyl) ether				<11	1		µg/L	GE	0
		Bis(2-chloroisopropyl) ether				<10	1		µg/L	GE	0
		Bis(2-ethylhexyl) phthalate				<11	1		µg/L	GE	0
		Boron, total recoverable		<500		<50	1		µg/L	GE	0
		Bromodichloromethane		<2.0		<1.0	1		µg/L	GE	0
		Bromoform		<2.0		<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)		<2.0		<1.0	1		µg/L	GE	0
		4-Bromophenyl phenyl ether				<11	1		µg/L	GE	0
		Butylbenzyl phthalate				<11	1		µg/L	GE	0
		2-sec-Butyl-4,6-dinitrophenol				<11	1		µg/L	GE	0
		Cadmium, total recoverable		<10		<0.29	1	V	µg/L	GE	0
		Carbon disulfide				<5.0	1		µg/L	GE	0
		Carbon tetrachloride		<2.0		<1.0	1		µg/L	GE	0
		Carbon-14		3.3E+00		1.8E+00	1	UI	pCi/L	GP	0
		Cerium-144				2.0E-01	1	UI	pCi/L	GP	0
		Cesium-134				-3.4E-01	1	UJI	pCi/L	GP	0
		Cesium-137				6.9E-01	1	UI	pCi/L	GP	0
		Chlordane				<0.10	1		µg/L	GE	0
		4-Chloroaniline				<21	1		µg/L	GE	0
		Chlorobenzene		<2.0		<1.0	1		µg/L	GE	0
		Chlorobenzilate				<11	1		µg/L	GE	0
		4-Chloro-m-cresol				<11	1	J	µg/L	GE	0
		Chloroethane		<2.0		<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)		<2.0		<1.0	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 3A (cont.)

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		2-Chloroethyl vinyl ether		<5.0		<1.0	1		µg/L	GE	0
		Chloroform		<2.0		<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)		<2.0		<11	1		µg/L	GE	0
		2-Chloronaphthalene				<11	1		µg/L	GE	0
		4-Chlorophenyl phenyl ether				<2.0	1		µg/L	GE	0
		Chloroprene				<2.0	1		µg/L	GE	0
		Chromium, total recoverable		<20		2.9	1	JE	µg/L	GE	0
		Chrysene				<11	1		µg/L	GE	0
		Cobalt, total recoverable				<5.0	1		µg/L	GE	0
		Cobalt-57				<i>-1.3E-01</i>	1	UI	pCi/L	GP	0
		Cobalt-60				<i>1.6E-01</i>	1	UI	pCi/L	GP	0
		Copper, total recoverable		<20		5.3	1		µg/L	GE	0
		m/p-Cresol				<11	1		µg/L	GE	0
		o-Cresol (2-Methylphenol)				<11	1		µg/L	GE	0
		Curium-242				<i>-1.5E-01</i>	1	UI	pCi/L	GP	0
		Curium-243/244				<i>2.9E-01</i>	1	UI	pCi/L	GP	0
		Curium-245/246				<i>-1.6E-01</i>	1	UI	pCi/L	GP	0
		Cyanide				<10	1		µg/L	GE	0
		p,p'-DDD				<0.040	1		µg/L	GE	0
		p,p'-DDE				<0.040	1		µg/L	GE	0
		p,p'-DDT				<0.040	1	J	µg/L	GE	0
		Diallate				<11	1		µg/L	GE	0
		Dibenz(a,h)anthracene				<11	1		µg/L	GE	0
		Dibenzofuran				<11	1		µg/L	GE	0
		Dibromochloromethane		<2.0		<1.0	1		µg/L	GE	0
		1,2-Dibromo-3-chloropropane				<1.0	1		µg/L	GE	0
		1,2-Dibromoethane				<1.0	1		µg/L	GE	0
		Dibromomethane (Methylene bromide)				<1.0	1		µg/L	GE	0
		Di-n-butyl phthalate				<11	1		µg/L	GE	0
		1,2-Dichlorobenzene				<11	1		µg/L	GE	0
		1,3-Dichlorobenzene				<11	1		µg/L	GE	0
		1,4-Dichlorobenzene				<11	1	J	µg/L	GE	0
		3,3'-Dichlorobenzidine				<53	1		µg/L	GE	0
		trans-1,4-Dichloro-2-butene				<5.0	1		µg/L	GE	0
		Dichlorodifluoromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,2-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Dichloromethane		<5.0		<1.0	1		µg/L	GE	0
		2,4-Dichlorophenol				<11	1		µg/L	GE	0
		2,6-Dichlorophenol				<11	1		µg/L	GE	0
●		2,4-Dichlorophenoxyacetic acid				<0.085	10	J1	µg/L	GE	0
		1,2-Dichloropropane		<2.0		<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		Dieldrin				<0.040	1	J	µg/L	GE	0
		Diethyl phthalate				<11	1		µg/L	GE	0
		Dimethoate				<11	1		µg/L	GE	0
		2,4-Dimethyl phenol				<11	1		µg/L	GE	0
		Dimethyl phthalate				<11	1		µg/L	GE	0
		p-Dimethylaminoazobenzene				<11	1		µg/L	GE	0
		7,12-Dimethylbenz(a)anthracene				<11	1		µg/L	GE	0
		3,3'-Dimethylbenzidine				<11	1		µg/L	GE	0
		a,a-Dimethylphenethylamine				<11	1		µg/L	GE	0
		1,3-Dinitrobenzene				<11	1		µg/L	GE	0
		2,4-Dinitrophenol				<21	1		µg/L	GE	0
		2,4-Dinitrotoluene				<11	1	J	µg/L	GE	0
		2,6-Dinitrotoluene				<11	1		µg/L	GE	0
		Di-n-octyl phthalate				<11	1		µg/L	GE	0
		1,4-Dioxane				<11	1		µg/L	GE	0
		Diphenylamine				<11	1		µg/L	GE	0
		Disulfoton				<11	1		µg/L	GE	0
		Endosulfan sulfate				<0.040	1		µg/L	GE	0
		Endosulfan I				<0.020	1		µg/L	GE	0
		Endosulfan II				<0.040	1		µg/L	GE	0
		Endrin				<0.040	1	J	µg/L	GE	0
		Endrin aldehyde				<0.040	1		µg/L	GE	0
		Ethyl methacrylate				<11	1		µg/L	GE	0
		Ethyl methanesulfonate				<11	1		µg/L	GE	0
		Ethylbenzene		<2.0		<1.0	1		µg/L	GE	0
		Europium-152				<i>4.8E+00</i>	1	UI	pCi/L	GP	0
		Europium-154				<i>8.2E-01</i>	1	UI	pCi/L	GP	0
		Europium-155				<i>-6.8E+00</i>	1	UI	pCi/L	GP	0
		Famphur				<11	1		µg/L	GE	0
		Fluoranthene				<11	1		µg/L	GE	0
		Fluorene				<11	1		µg/L	GE	0
		Gross alpha		<i>2.8E-01</i>		<i>9.2E-01</i>	1	UIV	pCi/L	GP	0
		Heptachlor				<0.020	1	J	µg/L	GE	0
		Heptachlor epoxide				<0.020	1		µg/L	GE	0
		Hexachlorobenzene				<11	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 3A (cont.)

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Hexachlorobutadiene				<11	1		µg/L	GE	0
		Hexachlorocyclopentadiene				<11	1		µg/L	GE	0
		Hexachloroethane				<11	1		µg/L	GE	0
		Hexachlorophene				<530	1		µg/L	GE	0
		Hexachloropropene				<11	1		µg/L	GE	0
		2-Hexanone				<5.0	1		µg/L	GE	0
		1,2,3,4,6,7,8-HPCDD				<0.010	1		µg/L	GE	0
		1,2,3,4,6,7,8-HPCDF				<0.010	1		µg/L	GE	0
		1,2,3,4,7,8-HXCDD				<0.010	1		µg/L	GE	0
		1,2,3,4,7,8-HXCDF				<0.010	1		µg/L	GE	0
		Indeno(1,2,3-c,d)pyrene				<11	1		µg/L	GE	0
		Iodomethane (Methyl iodide)				<5.0	1		µg/L	GE	0
		Isobutyl alcohol				<10	1		µg/L	GE	0
		Isodrin				<11	1		µg/L	GE	0
		Isophorone				<11	1		µg/L	GE	0
		Isosafrole				<11	1		µg/L	GE	0
		Kepone				<11	1		µg/L	GE	0
		Lead, total recoverable		<15		10	1	JV	µg/L	GE	0
		Lead-212				8.0E+00	1	R4	pCi/L	GP	0
		Lindane				<0.020	1	J	µg/L	GE	0
		Lithium, total recoverable		<25		<250	10		µg/L	GE	0
		Manganese-54				2.0E-01	1	UI	pCi/L	GP	0
		Mercury, total recoverable		<1.0		<0.20	1		µg/L	GE	0
		Methacrylonitrile				<5.0	1		µg/L	GE	0
		Methapyrilene				<11	1		µg/L	GE	0
		Methoxychlor				<0.20	1		µg/L	GE	0
		2-Methyl-4,6-dinitrophenol				<11	1		µg/L	GE	0
		Methyl ethyl ketone				<5.0	1		µg/L	GE	0
		Methyl isobutyl ketone				<5.0	1		µg/L	GE	0
		Methyl methacrylate				<5.0	1		µg/L	GE	0
		Methyl methanesulfonate				<11	1		µg/L	GE	0
		3-Methylcholanthrene				<11	1		µg/L	GE	0
		2-Methylnaphthalene				<11	1		µg/L	GE	0
		Naphthalene				<11	1		µg/L	GE	0
		1,4-Naphthoquinone				<11	1		µg/L	GE	0
		1-Naphthylamine				<11	1		µg/L	GE	0
		2-Naphthylamine				<11	1		µg/L	GE	0
		Neptunium-237				5.7E-02	1	UI	pCi/L	GP	0
		Nickel, total recoverable		<20		2.4	1	JE	µg/L	GE	0
		m-Nitroaniline				<11	1		µg/L	GE	0
		o-Nitroaniline				<11	1		µg/L	GE	0
		p-Nitroaniline				<11	1		µg/L	GE	0
		Nitrobenzene				<11	1		µg/L	GE	0
		2-Nitrophenol				<11	1		µg/L	GE	0
		4-Nitrophenol				<21	1	J	µg/L	GE	0
		4-Nitroquinoline-1-oxide				<11	1		µg/L	GE	0
		N-Nitrosodi-n-butylamine				<11	1		µg/L	GE	0
		N-Nitrosodiethylamine				<11	1		µg/L	GE	0
		N-Nitrosodimethylamine				<11	1		µg/L	GE	0
		N-Nitrosodiphenylamine				<11	1		µg/L	GE	0
		N-Nitrosodipropylamine				<11	1	J	µg/L	GE	0
		N-Nitrosomethylethylamine				<11	1		µg/L	GE	0
		N-Nitrosomorpholine				<11	1		µg/L	GE	0
		N-Nitrosopiperidine				<11	1		µg/L	GE	0
		N-Nitrosopyrrolidine				<11	1		µg/L	GE	0
		5-Nitro-o-toluidine				<11	1		µg/L	GE	0
		Nonvolatile beta		1.9E+00		1.5E+00	1	UJIV	pCi/L	GP	0
		Octachlorodibenzo-p-dioxin				<0.010	1		µg/L	GE	0
		Octachlorodibenzo-p-furan				<0.010	1		µg/L	GE	0
		Parathion				<0.050	1		µg/L	GE	0
		Parathion methyl				<0.050	1		µg/L	GE	0
		PCB 1016				<0.13	1		µg/L	GE	0
		PCB 1221				<0.13	1		µg/L	GE	0
		PCB 1232				<0.13	1		µg/L	GE	0
		PCB 1242				<0.13	1		µg/L	GE	0
		PCB 1248				<0.13	1		µg/L	GE	0
		PCB 1254				<0.13	1		µg/L	GE	0
		PCB 1260				<0.13	1		µg/L	GE	0
		1,2,3,7,8-PCDD				<0.010	1		µg/L	GE	0
		1,2,3,7,8-PCDF				<0.010	1		µg/L	GE	0
		Pentachlorobenzene				<11	1		µg/L	GE	0
		Pentachloroethane				<11	1		µg/L	GE	0
		Pentachloronitrobenzene				<11	1		µg/L	GE	0
		Pentachlorophenol				<11	1	J	µg/L	GE	0
		Phenacetin				<11	1		µg/L	GE	0
		Phenanthrene				<11	1		µg/L	GE	0
		Phenol				<11	1	J	µg/L	GE	0
		Phenols		<25		<5.0	1		µg/L	GE	0
		p-Phenylenediamine				<11	1		µg/L	GE	0
		Phorate				<0.050	1		µg/L	GE	0
		2-Picoline				<11	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 3A (cont.)

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Plutonium-238				<i>1.8E-01</i>	1	UJI	pCi/L	GP	0
		Plutonium-239/240				<i>-1.9E-02</i>	1	UI	pCi/L	GP	0
		Potassium-40				<i>4.2E+01</i>	1	UI	pCi/L	GP	0
		Promethium-144				<i>-4.9E-01</i>	1	UI	pCi/L	GP	0
		Promethium-146				<i>4.5E+00</i>	1	UI	pCi/L	GP	0
		Pronamid				<11	1		µg/L	GE	0
		Propionitrile				<10	1		µg/L	GE	0
		Pyrene				<11	1		µg/L	GE	0
		Pyridine				<11	1		µg/L	GE	0
		Radium, total alpha-emitting		5.0E-01		<i>-1.0E-01</i>	1	UJI	pCi/L	GP	0
		Ruthenium-106				<i>-5.7E+00</i>	1	UI	pCi/L	GP	0
		Safrole				<11	1		µg/L	GE	0
		Selenium, total recoverable		<10		<5.0	1		µg/L	GE	0
		Silver, total recoverable		<10		<5.0	1		µg/L	GE	0
		Sodium-22				<i>3.0E-01</i>	1	UI	pCi/L	GP	0
		Strontium-90		2.9E-01		<i>-2.9E-03</i>	1	UI	pCi/L	GP	0
		Styrene				<1.0	1		µg/L	GE	0
		Sulfate		5,900		6,000	1		µg/L	GE	0
		Sulfide				<10,000	1	J	µg/L	GE	0
		Sulfotep				<11	1		µg/L	GE	0
●		2,4,5-T				<0.085	10	J1	µg/L	GE	0
		2,3,7,8-TCDD				<0.010	1		µg/L	GE	0
		2,3,7,8-TCDF				<0.010	1		µg/L	GE	0
		1,2,4,5-Tetrachlorobenzene				<11	1		µg/L	GE	0
		1,1,1,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane		<2.0		<1.0	1		µg/L	GE	0
		Tetrachloroethylene		<2.0		<1.0	1		µg/L	GE	0
		2,3,4,6-Tetrachlorophenol				<11	1		µg/L	GE	0
		Thallium, total recoverable				<5.0	1		µg/L	GE	0
		Thionazin				<11	1		µg/L	GE	0
		Thorium-228				<i>-1.2E-01</i>	1	UI	pCi/L	GP	0
		Thorium-230				<i>7.7E-02</i>	1	UI	pCi/L	GP	0
		Thorium-232				<i>-1.2E-02</i>	1	UI	pCi/L	GP	0
		Tin, total recoverable		<100		<10	1		µg/L	GE	0
		Toluene		<2.0		<1.0	1		µg/L	GE	0
		o-Toluidine				<11	1		µg/L	GE	0
		Total activity		8.9E+04					pCi/L		
		Total dissolved solids		80,000		94,000	1	V	µg/L	GE	0
		Total organic carbon		<5,000		<5,000	1		µg/L	GE	0
		Total organic halogens		<2.8		<10	1	J	µg/L	GE	0
		Toxaphene				<1.0	1		µg/L	GE	0
●		2,4,5-TP (Silvex)				<0.085	10	J1	µg/L	GE	0
		1,2,4-Trichlorobenzene				<11	1	J	µg/L	GE	0
		1,1,1-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		Trichloroethylene		<2.0		1.6	1		µg/L	GE	0
		Trichlorofluoromethane		<2.0		<1.0	1		µg/L	GE	0
		2,4,5-Trichlorophenol				<11	1		µg/L	GE	0
		2,4,6-Trichlorophenol				<11	1		µg/L	GE	0
		1,2,3-Trichloropropane				<1.0	1		µg/L	GE	0
		O,O,O-Triethyl phosphorothioate				<11	1		µg/L	GE	0
		1,3,5-Trinitrobenzene				<11	1		µg/L	GE	0
■		Tritium		1.2E+02		<i>2.4E+02</i>	1		pCi/mL	GP	2
		Uranium-233/234				<i>3.5E-02</i>	1	UI	pCi/L	GP	0
		Uranium-235				<i>9.8E-02</i>	1	UI	pCi/L	GP	0
		Uranium-238				<i>3.5E-02</i>	1	UI	pCi/L	GP	0
		Vanadium, total recoverable				0.73	1	JE	µg/L	GE	0
		Vinyl acetate				<5.0	1		µg/L	GE	0
		Xylenes				<1.0	1		µg/L	GE	0
		Yttrium-88				<i>-1.6E+00</i>	1	UI	pCi/L	GP	0
		Zinc, total recoverable		<8.9		<9.7	1	V	µg/L	GE	0
		Zinc-65				<i>-1.9E+00</i>	1	UI	pCi/L	GP	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 3C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75550.4 E58806.4	33.288818 °N 81.658706 °W	188.7-178.7 ft msl	291.9 ft msl	2" PVC	V	Barnwell (IIB1)

SAMPLE DATE	04/03/97	11/10/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation		224.6		224.1	ft msl
pH		5.0			pH
Sp. conductance		30			µS/cm
Water temperature		26.0			°C
Alkalinity as CaCO ₃		9			mg/L
Turbidity		2			NTU
Volume purged		3.2		0.13	well volume
Sampling code				P	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)		8,100					µg/L		
		Antimony, total recoverable		<15					µg/L		
		Arsenic, total recoverable		<10					µg/L		
		Barium, total recoverable		7.8					µg/L		
		Benzene		<2.0					µg/L		
		Boron, total recoverable		<500					µg/L		
		Bromodichloromethane		<2.0					µg/L		
		Bromoform		<2.0					µg/L		
		Bromomethane (Methyl bromide)		<2.0					µg/L		
		Cadmium, total recoverable		<10					µg/L		
		Carbon tetrachloride		<2.0					µg/L		
		Carbon-14		2.5E+00					pCi/L		
		Chlorobenzene		<2.0					µg/L		
		Chloroethane		<2.0					µg/L		
		Chloroethene (Vinyl chloride)		<2.0					µg/L		
		2-Chloroethyl vinyl ether		<5.0					µg/L		
		Chloroform		<2.0					µg/L		
		Chloromethane (Methyl chloride)		<2.0					µg/L		
		Chromium, total recoverable		4.5					µg/L		
		Copper, total recoverable		<20					µg/L		
		Dibromochloromethane		<2.0					µg/L		
		1,1-Dichloroethane		<2.0					µg/L		
		1,2-Dichloroethane		<2.0					µg/L		
		1,1-Dichloroethylene		<2.0					µg/L		
		trans-1,2-Dichloroethylene		<2.0					µg/L		
		Dichloromethane		<5.0					µg/L		
		1,2-Dichloropropane		<2.0					µg/L		
		cis-1,3-Dichloropropene		<2.0					µg/L		
		trans-1,3-Dichloropropene		<2.0					µg/L		
		Ethylbenzene		<2.0					µg/L		
		Gross alpha		5.7E-01					pCi/L		
		Lead, total recoverable		<15					µg/L		
		Lithium, total recoverable		<25					µg/L		
		Mercury, total recoverable		<1.0					µg/L		
		Nickel, total recoverable		<20					µg/L		
		Nonvolatile beta		3.2E-01					pCi/L		
		Phenols		<25					µg/L		
		Radium, total alpha-emitting		1.0E-01					pCi/L		
		Selenium, total recoverable		<10					µg/L		
		Silver, total recoverable		2.3					µg/L		
		Strontium-90		-6.6E-03					pCi/L		
		Sulfate		1,300					µg/L		
		1,1,2,2-Tetrachloroethane		<2.0					µg/L		
		Tetrachloroethylene		<2.0					µg/L		
		Tin, total recoverable		<100					µg/L		
		Toluene		<2.0					µg/L		
		Total dissolved solids		30,000					µg/L		
		Total organic carbon		<5,000					µg/L		
		Total organic halogens		<2.4					µg/L		
		1,1,1-Trichloroethane		<2.0					µg/L		
		1,1,2-Trichloroethane		<2.0					µg/L		
		Trichloroethylene		<2.0					µg/L		
		Trichlorofluoromethane		<2.0					µg/L		
		Tritium		8.1E+00					pCi/mL		
		Zinc, total recoverable		<6.1					µg/L		

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 3DR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75512.3 E58820.0	33.288756 °N 81.658596 °W	237.6-217.5 ft msl	291.5 ft msl	2" PVC	V	Water Table (IIB2)

SAMPLE DATE	04/16/97	11/05/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation		231.2		230.5	ft msl
pH		4.0		4.2	pH
Sp. conductance		26		28	µS/cm
Water temperature		26.0		19.0	°C
Alkalinity as CaCO ₃		0		0	mg/L
Turbidity		1		1	NTU
Volume purged		5.8		20	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)		<1,000		<1,000	1		µg/L	GE	0
		Aluminum, total recoverable		200					µg/L		
		Antimony, total recoverable		<3.3		<10	1		µg/L	GE	0
		Arsenic, total recoverable		<10		<5.0	1		µg/L	GE	0
		Barium, total recoverable		15		6.9	1		µg/L	GE	0
		Benzene		<8.0		<1.0	1		µg/L	GE	0
		Boron, total recoverable		<500		<50	1		µg/L	GE	0
		Bromodichloromethane		<8.0		<1.0	1		µg/L	GE	0
		Bromoform		<8.0		<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)		<8.0		<1.0	1		µg/L	GE	0
		Cadmium, total recoverable		<10		<5.0	1		µg/L	GE	0
		Carbon tetrachloride		<8.0		<1.0	1		µg/L	GE	0
		Carbon-14		3.5E+00		3.6E+01	1	UI	pCi/L	GP	0
		Chlorobenzene		<8.0		<1.0	1		µg/L	GE	0
		Chloroethane		<8.0		<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)		<8.0		<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether		<20		<5.0	1		µg/L	GE	0
		Chloroform		<8.0		0.81	1	JE	µg/L	GE	0
		Chloromethane (Methyl chloride)		<8.0		<1.0	1		µg/L	GE	0
		Chromium, total recoverable		<20		1.2	1	JE	µg/L	GE	0
		Copper, total recoverable		<20		<5.0	1		µg/L	GE	0
		Dibromochloromethane		<8.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethane		<8.0		0.36	1	JE	µg/L	GE	0
		1,2-Dichloroethane		<8.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene		<8.0		<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene		<8.0		0.54	1	JE	µg/L	GE	0
		Dichloromethane		<20		<1.0	1		µg/L	GE	0
		1,2-Dichloropropane		<8.0		<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene		<8.0		<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene		<8.0		<1.0	1		µg/L	GE	0
		Ethylbenzene		<8.0		<1.0	1		µg/L	GE	0
		Gross alpha		2.8E+00		5.2E+00	1		pCi/L	GP	0
		Iron, total recoverable		33					µg/L		
		Lead, total recoverable		<15		0.79	1	JE	µg/L	GE	0
		Lithium, total recoverable		<25		<25	1		µg/L	GE	0
		Manganese, total recoverable		29					µg/L		
		Mercury, total recoverable		<1.0		<0.20	1		µg/L	GE	0
		Nickel, total recoverable		<20		<5.0	1		µg/L	GE	0
		Nonvolatile beta		2.6E+00		3.3E+00	1		pCi/L	GP	0
		Phenols		<25		<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting		1.4E+00		1.4E+00	1		pCi/L	GP	0
		Selenium, total recoverable		<10		<5.0	1		µg/L	GE	0
		Silver, total recoverable		<10		<5.0	1		µg/L	GE	0
		Strontium-90		3.6E-01		1.2E-01	1	UJI	pCi/L	GP	0
		Sulfate		<5,000		260	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane		<8.0		<1.0	1		µg/L	GE	0
		Tetrachloroethylene		<8.0		1.0	1		µg/L	GE	0
		Tin, total recoverable		<100		<10	1		µg/L	GE	0
		Toluene		<8.0		<1.0	1		µg/L	GE	0
		Total activity		6.6E+06					pCi/L		
		Total dissolved solids		18,000		<26,000	1	V	µg/L	GE	0
		Total organic carbon		<5,000		<5,000	1		µg/L	GE	0
		Total organic halogens		140		88	1		µg/L	GE	1
		1,1,1-Trichloroethane		<8.0		<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane		<8.0		<1.0	1		µg/L	GE	0
■		Trichloroethylene		220		270	10		µg/L	GE	2
		Trichlorofluoromethane		<8.0		<1.0	1		µg/L	GE	0
■		Trilium		6.3E+03		8.0E+03	1		pCi/mL	GP	2
		Zinc, total recoverable		<11		<5.0	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 4D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76150.1 E58803.7	33.290140 °N 81.659878 °W	240.6-220.6 ft msl	297.5 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE	04/03/97	11/24/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation		230.5 ft			msl
pH		4.8		4.0	pH
Sp. conductance		32		260	µS/cm
Water temperature		25.0		18.0	°C
Alkalinity as CaCO ₃		10		2	mg/L
Turbidity		1		4	NTU
Volume purged		2.5		X	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)		9,100		9,500	1		µg/L	GE	
		Aluminum, total recoverable		<92					µg/L		
		Antimony, total recoverable		<15		<10	1		µg/L	GE	0
		Arsenic, total recoverable		<10		<5.0	1		µg/L	GE	0
		Barium, total recoverable		5.7		6.1	1		µg/L	GE	0
		Benzene		<2.0		<1.0	1		µg/L	GE	0
		Boron, total recoverable		<500		<50	1		µg/L	GE	0
		Bromodichloromethane		<2.0		<1.0	1		µg/L	GE	0
		Bromoform		<2.0		<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)		<2.0		<1.0	1		µg/L	GE	0
		Cadmium, total recoverable		<10		<0.44	1	V	µg/L	GE	0
		Carbon tetrachloride		<2.0		<1.0	1		µg/L	GE	0
		Carbon-14		2.0E+00		4.6E+00	1	UI	pCi/L	GP	0
		Chlorobenzene		<2.0		<1.0	1		µg/L	GE	0
		Chloroethane		<2.0		<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)		<2.0		<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether		<5.0		<5.0	1		µg/L	GE	0
		Chloroform		<2.0		<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)		<2.0		<1.0	1		µg/L	GE	0
		Chromium, total recoverable		<20		<5.0	1		µg/L	GE	0
		Copper, total recoverable		<20		110	1		µg/L	GE	0
		Dibromochloromethane		<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,2-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Dichloromethane		<5.0		<1.0	1		µg/L	GE	0
		1,2-Dichloropropane		<2.0		<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		Ethylbenzene		<2.0		<1.0	1		µg/L	GE	0
		Gross alpha		1.2E+00		2.7E+00	1	UIV	pCi/L	GP	0
		Iron, total recoverable		72					µg/L		
		Lead, total recoverable		8.0		40	1	JV	µg/L	GE	1
		Lithium, total recoverable		<25		<250	10		µg/L	GE	0
		Manganese, total recoverable		6.7					µg/L		
		Mercury, total recoverable		<1.0		<0.20	1		µg/L	GE	0
		Nickel, total recoverable		<20		16	1		µg/L	GE	0
		Nonvolatile beta		2.3E+00		3.1E+00	1	UIV	pCi/L	GP	0
		Phenols		<25		<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting		4.0E-01		2.0E+00	1	J	pCi/L	GP	0
		Selenium, total recoverable		<10		<5.0	1		µg/L	GE	0
		Silver, total recoverable		<10		<5.0	1		µg/L	GE	0
		Strontium-90		9.3E-02		3.0E-02	1	UI	pCi/L	GP	0
		Sulfate		<5,000		770	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane		<2.0		<1.0	1		µg/L	GE	0
		Tetrachloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Tin, total recoverable		<100		<10	1		µg/L	GE	0
		Toluene		<2.0		<1.0	1		µg/L	GE	0
		Total activity		7.8E+04					pCi/L		
		Total dissolved solids		35,000		<39,000	1	V	µg/L	GE	0
		Total organic carbon		<5,000		170	1	JE	µg/L	GE	0
		Total organic halogens		17		<6.0	1	JV	µg/L	GE	0
		1,1,1-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		Trichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Trichlorofluoromethane		<2.0		<1.0	1		µg/L	GE	0
■		Tritium		6.9E+01		1.4E+02	1		pCi/mL	GP	2
		Zinc, total recoverable		28		220	1	V	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 5C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76476.9 E58794.5	33.290848 °N 81.660537 °W	193.2-183.2 ft msl	296.1 ft msl	4" PVC	S	McBean (IIB1)

SAMPLE DATE	04/02/97	11/04/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation		214.2		214.0	ft msl
pH		5.4			pH
Sp. conductance		32			µS/cm
Water temperature		24.0			°C
Alkalinity as CaCO ₃		12			mg/L
Turbidity		2			NTU
Volume purged		2.6		0.0	well volume
Sampling code				P	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)		10,000					µg/L		
		Antimony, total recoverable		<15					µg/L		
		Arsenic, total recoverable		<10					µg/L		
		Barium, total recoverable		7.3					µg/L		
		Benzene		<2.0					µg/L		
		Boron, total recoverable		<500					µg/L		
		Bromodichloromethane		<2.0					µg/L		
		Bromoform		<2.0					µg/L		
		Bromomethane (Methyl bromide)		<2.0					µg/L		
		Cadmium, total recoverable		<10					µg/L		
		Carbon tetrachloride		<2.0					µg/L		
		Carbon-14		1.2E+00					pCi/L		
		Chlorobenzene		<2.0					µg/L		
		Chloroethane		<2.0					µg/L		
		Chloroethene (Vinyl chloride)		<2.0					µg/L		
		2-Chloroethyl vinyl ether		<5.0					µg/L		
		Chloroform		<2.0					µg/L		
		Chloromethane (Methyl chloride)		<2.0					µg/L		
		Chromium, total recoverable		7.7					µg/L		
		Copper, total recoverable		<20					µg/L		
		Dibromochloromethane		<2.0					µg/L		
		1,1-Dichloroethane		<2.0					µg/L		
		1,2-Dichloroethane		<2.0					µg/L		
		1,1-Dichloroethylene		<2.0					µg/L		
		trans-1,2-Dichloroethylene		<2.0					µg/L		
		Dichloromethane		<5.0					µg/L		
		1,2-Dichloropropane		<2.0					µg/L		
		cis-1,3-Dichloropropene		<2.0					µg/L		
		trans-1,3-Dichloropropene		<2.0					µg/L		
		Ethylbenzene		<2.0					µg/L		
		Gross alpha		6.7E-02					pCi/L		
		Lead, total recoverable		<15					µg/L		
		Lithium, total recoverable		9.0					µg/L		
		Manganese, total recoverable		6.5					µg/L		
		Mercury, total recoverable		<1.0					µg/L		
		Nickel, total recoverable		<20					µg/L		
		Nonvolatile beta		3.5E-01					pCi/L		
		Phenols		<25					µg/L		
		Radium, total alpha-emitting		0.0E+00					pCi/L		
		Selenium, total recoverable		<10					µg/L		
		Silver, total recoverable		<10					µg/L		
		Strontium-90		3.7E-01					pCi/L		
		Sulfate		<5,000					µg/L		
		1,1,2,2-Tetrachloroethane		<2.0					µg/L		
		Tetrachloroethylene		<2.0					µg/L		
		Tin, total recoverable		<100					µg/L		
		Toluene		<2.0					µg/L		
		Total dissolved solids		21,000					µg/L		
		Total organic carbon		<5,000					µg/L		
		Total organic halogens		19					µg/L		
		1,1,1-Trichloroethane		<2.0					µg/L		
		1,1,2-Trichloroethane		<2.0					µg/L		
		Trichloroethylene		<2.0					µg/L		
		Trichlorofluoromethane		<2.0					µg/L		
		Tritium		4.3E+01					pCi/mL		
		Zinc, total recoverable		18					µg/L		

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 5D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76477.5 E58784.8	33.290833 °N 81.660564 °W	239.3-219.3 ft msl	296.3 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE	04/15/97	10/29/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation		229.5		229.1	ft msl
pH		5.2		4.2	pH
Sp. conductance		360		36	µS/cm
Water temperature		28.0		20.0	°C
Alkalinity as CaCO ₃		0		0	mg/L
Turbidity		7		10	NTU
Volume purged		0.0		0.0	well volume
Sampling code		X		X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)		<1,000		3,200	1		µg/L	GE	
		Aluminum, total recoverable		120					µg/L		
		Antimony, total recoverable		<15		<10	1		µg/L	GE	0
		Arsenic, total recoverable		<10		<5.0	1		µg/L	GE	0
		Barium, total recoverable		45		42	1		µg/L	GE	0
		Benzene		<2.0		<1.0	1	J	µg/L	GE	0
		Boron, total recoverable		<500		<50	1		µg/L	GE	0
		Bromodichloromethane		<2.0		<1.0	1	J	µg/L	GE	0
		Bromoform		<2.0		<1.0	1	J	µg/L	GE	0
		Bromomethane (Methyl bromide)		<2.0		<1.0	1	J	µg/L	GE	0
		Cadmium, total recoverable		<10		<5.0	1		µg/L	GE	0
		Carbon tetrachloride		<2.0		<1.0	1		µg/L	GE	0
		Carbon-14		1.7E+00		7.0E+00	1	UI	pCi/L	GP	0
		Chlorobenzene		<2.0		<1.0	1	J	µg/L	GE	0
		Chloroethane		<2.0		<1.0	1	J	µg/L	GE	0
		Chloroethene (Vinyl chloride)		<2.0		<1.0	1	J	µg/L	GE	0
		2-Chloroethyl vinyl ether		<5.0		<5.0	1	J	µg/L	GE	0
		Chloroform		<2.0		<1.0	1	J	µg/L	GE	0
		Chloromethane (Methyl chloride)		<2.0		<1.0	1	J	µg/L	GE	0
		Chromium, total recoverable		<20		1.8	1	JE	µg/L	GE	0
		Copper, total recoverable		31		35	1		µg/L	GE	0
		Dibromochloromethane		<2.0		<1.0	1	J	µg/L	GE	0
		1,1-Dichloroethane		<2.0		<1.0	1	J	µg/L	GE	0
		1,2-Dichloroethane		<2.0		<1.0	1	J	µg/L	GE	0
		1,1-Dichloroethylene		<2.0		<1.0	1	J	µg/L	GE	0
		trans-1,2-Dichloroethylene		<2.0		<1.0	1	J	µg/L	GE	0
		Dichloromethane		<5.0		<1.0	1	J	µg/L	GE	0
		1,2-Dichloropropane		<2.0		<1.0	1	J	µg/L	GE	0
		cis-1,3-Dichloropropene		<2.0		<1.0	1	J	µg/L	GE	0
		trans-1,3-Dichloropropene		<2.0		<1.0	1	J	µg/L	GE	0
		Ethylbenzene		<2.0		<1.0	1	J	µg/L	GE	0
		Gross alpha		5.0E+00		8.6E+00	1		pCi/L	GP	1
		Iron, total recoverable		130					µg/L		
		Lead, total recoverable		5.6		2.5	1	JE	µg/L	GE	0
		Lithium, total recoverable		12		<25	1		µg/L	GE	0
		Manganese, total recoverable		19					µg/L		
		Mercury, total recoverable		<1.0		<0.20	1		µg/L	GE	0
		Nickel, total recoverable		<20		<5.0	1		µg/L	GE	0
		Nonvolatile beta		3.4E+00		4.0E+00	1		pCi/L	GP	0
		Phenols		<25		<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting		2.2E+00		1.5E+00	1		pCi/L	GP	0
		Selenium, total recoverable		<10		1.7	1	JE	µg/L	GE	0
		Silver, total recoverable		<10		<5.0	1		µg/L	GE	0
		Strontium-90		-1.5E-01		2.5E-01	1	UI	pCi/L	GP	0
●		Sulfate		11,000		97	1	JE1	µg/L	GE	0
		1,1,2,2-Tetrachloroethane		<2.0		<1.0	1	J	µg/L	GE	0
		Tetrachloroethylene		<2.0		<1.0	1	J	µg/L	GE	0
		Tin, total recoverable		<100		<10	1		µg/L	GE	0
		Toluene		<2.0		<1.0	1	J	µg/L	GE	0
		Total activity		9.1E+06					pCi/L		
		Total dissolved solids		20,000		38,000	1		µg/L	GE	
		Total organic carbon		<5,000		<610	1	JEV	µg/L	GE	0
●		Total organic halogens		23		17	1	J1	µg/L	GE	0
		1,1,1-Trichloroethane		<2.0		<1.0	1	J	µg/L	GE	0
		1,1,2-Trichloroethane		<2.0		<1.0	1	J	µg/L	GE	0
		Trichloroethylene		<2.0		<1.0	1	J	µg/L	GE	0
		Trichlorofluoromethane		<2.0		<1.0	1	J	µg/L	GE	0
■		Tritium		8.5E+03		4.6E+03	1		pCi/mL	GP	2
		Zinc, total recoverable		<11		7.9	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 6A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76487.2 E58316.8	33.290091 °N 81.661815 °W	117.5-107.5 ft msl	285.6 ft msl	4" PVC	S	U. Congaree (IIA)

SAMPLE DATE	04/01/97	11/24/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation		158.9		158.8	ft msl
pH		6.8		7.6	pH
Sp. conductance		260		280	µS/cm
Water temperature		26.0		20.0	°C
Alkalinity as CaCO ₃		129		155	mg/L
Turbidity		2		1	NTU
Volume purged		3.0		6.2	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)		130,000		140,000	1		µg/L	WA	
		Antimony, total recoverable		<15		<10	1		µg/L	GE	0
		Arsenic, total recoverable		2.1		<5.0	1		µg/L	GE	0
		Barium, total recoverable		42		46	1		µg/L	GE	0
		Benzene		<2.0		<1.0	1		µg/L	GE	0
		Boron, total recoverable		<500		<50	1		µg/L	GE	0
		Bromodichloromethane		<2.0		<1.0	1		µg/L	GE	0
		Bromoform		<2.0		<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)		<2.0		<1.0	1		µg/L	GE	0
		Cadmium, total recoverable		<10		<0.45	1	V	µg/L	GE	0
		Carbon tetrachloride		<2.0		<1.0	1		µg/L	GE	0
		Carbon-14		1.6E+00		5.2E+00	1	UI	pCi/L	GP	0
		Chlorobenzene		<2.0		<1.0	1		µg/L	GE	0
		Chloroethane		<2.0		<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)		<2.0		<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether		<5.0		<5.0	1		µg/L	GE	0
		Chloroform		<2.0		<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)		<2.0		<1.0	1		µg/L	GE	0
		Chromium, total recoverable		<20		<5.0	1		µg/L	GE	0
		Copper, total recoverable		<20		<2.1	1	V	µg/L	WA	0
		Dibromochloromethane		<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,2-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Dichloromethane		<5.0		<1.0	1		µg/L	GE	0
		1,2-Dichloropropane		<2.0		<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		Ethylbenzene		<2.0		<1.0	1		µg/L	GE	0
		Gross alpha		8.3E-01		3.6E-01	1	UI	pCi/L	TM	0
		Lead, total recoverable		<15		<0.93	1	JV	µg/L	GE	0
		Lithium, total recoverable		<25		1.5	1	JE	µg/L	WA	0
		Mercury, total recoverable		<1.0		<0.20	1		µg/L	GE	0
		Nickel, total recoverable		<20		<5.0	1		µg/L	GE	0
		Nonvolatile beta		2.8E+00		-6.2E-01	1	UI	pCi/L	TM	0
		Phenols		<25		<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting		2.0E-01		1.0E-01	1	UJI	pCi/L	GP	0
		Selenium, total recoverable		<10		<5.0	1		µg/L	GE	0
		Silver, total recoverable		<10		<5.0	1		µg/L	GE	0
		Strontium-90		5.2E-01		4.2E-02	1	UI	pCi/L	GP	0
		Sulfate		8,800		8,900	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane		<2.0		<1.0	1		µg/L	GE	0
		Tetrachloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Tin, total recoverable		<100		<10	1		µg/L	GE	0
		Toluene		<2.0		<1.0	1		µg/L	GE	0
		Total dissolved solids		210,000		210,000	1	V	µg/L	GE	0
		Total organic carbon		<5,000		510	1	JE	µg/L	WA	0
		Total organic halogens		17		21	1	JV	µg/L	GE	0
		1,1,1-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		Trichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Trichlorofluoromethane		<2.0		<1.0	1		µg/L	GE	0
		Tritium		-2.7E-01		-3.2E-02	1	UI	pCi/mL	GP	0
		Xylenes				<5.0	1		µg/L	WA	0
		Zinc, total recoverable		<2.5		<2.9	1	V	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 6B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76553.2 E58346.5	33.290286 °N 81.661865 °W	149.7-139.7 ft msl	286.8 ft msl	4" PVC	S	Barnwell/McBean (IIB1)

SAMPLE DATE	04/02/97	11/24/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation		217.5		216.6	ft msl
pH		10.6		8.4	pH
Sp. conductance		500		160	µS/cm
Water temperature		25.0		18.0	°C
Alkalinity as CaCO ₃		102		80	mg/L
Turbidity		4		2	NTU
Volume purged		0.0		0.040	well volume
Sampling code		X		X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)		130,000		72,000	1		µg/L	GE	
		Antimony, total recoverable		<15		<10	1		µg/L	GE	0
		Arsenic, total recoverable		<10		<5.0	1		µg/L	GE	0
		Barium, total recoverable		330		110	1		µg/L	GE	0
		Benzene		<2.0		<1.0	1		µg/L	GE	0
		Boron, total recoverable		<500		<50	1		µg/L	GE	0
		Bromodichloromethane		<2.0		<1.0	1		µg/L	GE	0
		Bromoform		<2.0		<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)		<2.0		<1.0	1		µg/L	GE	0
		Cadmium, total recoverable		<10		<0.35	1	V	µg/L	GE	0
		Carbon tetrachloride		<2.0		<1.0	1		µg/L	GE	0
		Carbon-14		5.9E-01		2.2E+00	1	UI	pCi/L	GP	0
		Chlorobenzene		<2.0		<1.0	1		µg/L	GE	0
		Chloroethane		<2.0		<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)		<2.0		<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether		<5.0		<5.0	1		µg/L	GE	0
		Chloroform		<2.0		<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)		<2.0		<1.0	1		µg/L	GE	0
		Chromium, total recoverable		<20		2.8	1	JE	µg/L	GE	0
		Copper, total recoverable		<20		<5.0	1		µg/L	GE	0
		Dibromochloromethane		<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,2-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Dichloromethane		<5.0		<1.0	1		µg/L	GE	0
		1,2-Dichloropropane		<2.0		<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		Ethylbenzene		<2.0		<1.0	1		µg/L	GE	0
		Gross alpha		3.4E+00		2.1E+00	1	UIV	pCi/L	GP	0
		Lead, total recoverable		<15		<1.4	1	JV	µg/L	GE	0
		Lithium, total recoverable		210		<250	10		µg/L	GE	0
		Mercury, total recoverable		<1.0		<0.20	1		µg/L	GE	0
		Nickel, total recoverable		<20		<5.0	1		µg/L	GE	0
		Nonvolatile beta		8.2E+00		1.8E+00	1	UJIV	pCi/L	GP	0
		Phenols		<25		<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting		1.9E+00		1.3E+00	1	J	pCi/L	GP	0
		Selenium, total recoverable		<10		<5.0	1		µg/L	GE	0
		Silver, total recoverable		<10		<5.0	1		µg/L	GE	0
		Strontium-90		1.1E-01		3.1E-01	1	UI	pCi/L	GP	0
		Sulfate		3,200		2,200	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane		<2.0		<1.0	1		µg/L	GE	0
		Tetrachloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Tin, total recoverable		<100		<10	1		µg/L	GE	0
		Toluene		<2.0		<1.0	1		µg/L	GE	0
		Total activity		2.6E+05					pCi/L		
		Total dissolved solids		150,000		110,000	1	V	µg/L	GE	
		Total organic carbon		<5,000		1,900	1	JE	µg/L	GE	0
		Total organic halogens		<11		<8.5	1	JV	µg/L	GE	0
		1,1,1-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		Trichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Trichlorofluoromethane		<2.0		<1.0	1		µg/L	GE	0
■		Tritium		2.6E+02		3.5E+01	1		pCi/mL	GP	2
		Zinc, total recoverable		61		45	1	V	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 6C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76487.1 E58307.0	33.290075 °N 81.661841 °W	168.0-158.0 ft msl	285.6 ft msl	4" PVC	S	McBean (IIB1)

SAMPLE DATE	04/16/97	12/08/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation		218.6		218.2	ft msl
pH		6.2		6.4	pH
Sp. conductance		100		120	µS/cm
Water temperature		27.0		20.0	°C
Alkalinity as CaCO ₃		52		50	mg/L
Turbidity		2		1	NTU
Volume purged		2.6		3.1	well volume
Sampling code		A			

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Acenaphthene				<9.9	1		µg/L	GE	0
		Acenaphthylene				<9.9	1		µg/L	GE	0
		Acetone				<5.0	1		µg/L	GE	0
		Acetonitrile (Methyl cyanide)				<5.0	1		µg/L	GE	0
		Acetophenone				<9.9	1		µg/L	GE	0
		2-Acetylaminofluorene				<9.9	1		µg/L	GE	0
		Acrolein				<10	1		µg/L	GE	0
		Acrylonitrile				<10	1		µg/L	GE	0
		Actinium-228				5.3E+00	1	UI	pCi/L	GP	0
		Aldrin				<0.020	1	J	µg/L	GE	0
		Alkalinity (as CaCO ₃)		53,000		56,000	1		µg/L	GE	0
		Allyl chloride				<5.0	1		µg/L	GE	0
		Americium-241				9.0E-02	1	UI	pCi/L	GP	0
		4-Aminobiphenyl				<9.9	1		µg/L	GE	0
		Aniline				<9.9	1		µg/L	GE	0
		Anthracene				<9.9	1		µg/L	GE	0
		Antimony, total recoverable		<5.0		<10	1		µg/L	GE	0
		Antimony-125				8.7E+00	1	UI	pCi/L	GP	0
		Aramite				<9.9	1		µg/L	GE	0
		Arsenic, total recoverable		<8.0		<5.0	1		µg/L	GE	0
		Barium, total recoverable		11		9.8	1		µg/L	GE	0
		Benzene		<2.0		<1.0	1		µg/L	GE	0
		alpha-Benzene hexachloride				<0.020	1		µg/L	GE	0
		beta-Benzene hexachloride				<0.020	1		µg/L	GE	0
		delta-Benzene hexachloride				<0.020	1		µg/L	GE	0
		Benzo(a)anthracene				<9.9	1		µg/L	GE	0
		Benzo(b)fluoranthene				<9.9	1		µg/L	GE	0
		Benzo(k)fluoranthene				<9.9	1		µg/L	GE	0
		Benzo(g,h,i)perylene				<9.9	1		µg/L	GE	0
		Benzo(a)pyrene				<9.9	1		µg/L	GE	0
		Benzyl alcohol				<9.9	1		µg/L	GE	0
		Beryllium, total recoverable				<5.0	1		µg/L	GE	0
		Bis(2-chloroethoxy) methane				<9.9	1		µg/L	GE	0
		Bis(2-chloroethyl) ether				<9.9	1		µg/L	GE	0
		Bis(2-chloroisopropyl) ether				<9.9	1		µg/L	GE	0
		Bis(2-ethylhexyl) phthalate				<9.9	1		µg/L	GE	0
		Boron, total recoverable		68		<50	1		µg/L	GE	0
		Bromodichloromethane		<2.0		<1.0	1		µg/L	GE	0
		Bromoform		<2.0		<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)		<2.0		<1.0	1		µg/L	GE	0
		4-Bromophenyl phenyl ether				<9.9	1		µg/L	GE	0
		Butylbenzyl phthalate				<9.9	1		µg/L	GE	0
		2-sec-Butyl-4,6-dinitrophenol				<9.9	1		µg/L	GE	0
		Cadmium, total recoverable		<2.0		0.28	1	JE	µg/L	GE	0
		Carbon disulfide				<5.0	1		µg/L	GE	0
		Carbon tetrachloride		<2.0		<1.0	1		µg/L	GE	0
		Carbon-14		3.9E+00		4.9E+00	1	UI	pCi/L	GP	0
		Cerium-144				1.7E+00	1	UI	pCi/L	GP	0
		Cesium-134				1.4E+00	1	UI	pCi/L	GP	0
		Cesium-137				3.2E+00	1	UI	pCi/L	GP	0
		Chlordane				<0.10	1		µg/L	GE	0
		4-Chloroaniline				<20	1		µg/L	GE	0
		Chlorobenzene		<1.4		<1.0	1		µg/L	GE	0
		Chlorobenzilate				<9.9	1		µg/L	GE	0
		4-Chloro-m-cresol				<9.9	1		µg/L	GE	0
		Chloroethane		<2.0		<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)		<2.0		<1.0	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 6C (cont.)

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		2-Chloroethyl vinyl ether		<3.1					µg/L	GE	0
		Chloroform		<2.0		<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)		<2.0		<1.0	1		µg/L	GE	0
		2-Chloronaphthalene				<9.9	1		µg/L	GE	0
		2-Chlorophenol				<9.9	1	J	µg/L	GE	0
		4-Chlorophenyl phenyl ether				<9.9	1		µg/L	GE	0
		Chloroprene				<2.0	1		µg/L	GE	0
		Chromium, total recoverable	<10			2.7	1	JE	µg/L	GE	0
		Chrysene				<9.9	1		µg/L	GE	0
		Cobalt, total recoverable				<5.0	1		µg/L	GE	0
		Cobalt-57				<i>-1.4E+00</i>	1	UI	pCi/L	GP	0
		Cobalt-60				<i>5.4E-01</i>	1	UI	pCi/L	GP	0
		Copper, total recoverable	<4.0			<5.0	1		µg/L	GE	0
		m/p-Cresol				<9.9	1		µg/L	GE	0
		o-Cresol (2-Methylphenol)				<9.9	1		µg/L	GE	0
		Curium-242				<i>-4.5E-02</i>	1	UI	pCi/L	GP	0
		Curium-243/244				<i>4.9E-02</i>	1	UI	pCi/L	GP	0
		Curium-245/246				<i>2.0E-02</i>	1	UI	pCi/L	GP	0
		Cyanide				<10	1		µg/L	GE	0
		p,p'-DDD				<0.040	1		µg/L	GE	0
		p,p'-DDE				<0.040	1		µg/L	GE	0
		p,p'-DDT				<0.040	1	J	µg/L	GE	0
		Diallate				<9.9	1		µg/L	GE	0
		Dibenz(a,h)anthracene				<9.9	1		µg/L	GE	0
		Dibenzofuran				<9.9	1		µg/L	GE	0
		Dibromochloromethane		<2.0		<1.0	1		µg/L	GE	0
		1,2-Dibromo-3-chloropropane				<1.0	1		µg/L	GE	0
		1,2-Dibromoethane				<1.0	1		µg/L	GE	0
		Dibromomethane (Methylene bromide)				<1.0	1		µg/L	GE	0
		Di-n-butyl phthalate				<9.9	1		µg/L	GE	0
		1,2-Dichlorobenzene				<9.9	1		µg/L	GE	0
		1,3-Dichlorobenzene				<9.9	1		µg/L	GE	0
		1,4-Dichlorobenzene				<9.9	1	J	µg/L	GE	0
		3,3'-Dichlorobenzidine				<50	1		µg/L	GE	0
		trans-1,4-Dichloro-2-butene				<5.0	1		µg/L	GE	0
		Dichlorodifluoromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,2-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Dichloromethane		<5.0		<8.2	1	V	µg/L	GE	0
		2,4-Dichlorophenol				<9.9	1		µg/L	GE	0
		2,6-Dichlorophenol				<9.9	1		µg/L	GE	0
		2,4-Dichlorophenoxyacetic acid				<0.10	10	J	µg/L	GE	0
		1,2-Dichloropropane		<2.0		<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene		<1.6		<1.0	1		µg/L	GE	0
		Dieldrin				<0.040	1		µg/L	GE	0
		Diethyl phthalate				<9.9	1		µg/L	GE	0
		Dimethoate				<9.9	1		µg/L	GE	0
		2,4-Dimethyl phenol				<9.9	1		µg/L	GE	0
		Dimethyl phthalate				<9.9	1		µg/L	GE	0
		p-Dimethylaminoazobenzene				<9.9	1		µg/L	GE	0
		7,12-Dimethylbenz(a)anthracene				<9.9	1		µg/L	GE	0
		3,3'-Dimethylbenzidine				<9.9	1		µg/L	GE	0
		a,a-Dimethylphenethylamine				<9.9	1		µg/L	GE	0
		1,3-Dinitrobenzene				<9.9	1		µg/L	GE	0
		2,4-Dinitrophenol				<20	1		µg/L	GE	0
		2,4-Dinitrotoluene				<9.9	1		µg/L	GE	0
		2,6-Dinitrotoluene				<9.9	1		µg/L	GE	0
		Di-n-octyl phthalate				<9.9	1		µg/L	GE	0
		1,4-Dioxane				<9.9	1		µg/L	GE	0
		Diphenylamine				<9.9	1		µg/L	GE	0
		Disulfoton				<9.9	1		µg/L	GE	0
		Endosulfan sulfate				<0.040	1		µg/L	GE	0
		Endosulfan I				<0.020	1		µg/L	GE	0
		Endosulfan II				<0.040	1		µg/L	GE	0
		Endrin				<0.040	1	J	µg/L	GE	0
		Endrin aldehyde				<0.040	1		µg/L	GE	0
		Ethyl methacrylate				<9.9	1		µg/L	GE	0
		Ethyl methanesulfonate				<9.9	1		µg/L	GE	0
		Ethylbenzene		<1.3		<0.57	1	V	µg/L	GE	0
		Europium-152				<i>2.9E+00</i>	1	UI	pCi/L	GP	0
		Europium-154				<i>-3.5E-02</i>	1	UI	pCi/L	GP	0
		Europium-155				<i>-2.4E+00</i>	1	UI	pCi/L	GP	0
		Famphur				<9.9	1		µg/L	GE	0
		Fluoranthene				<9.9	1		µg/L	GE	0
		Fluorene				<9.9	1		µg/L	GE	0
		Gross alpha		2.2E-01		<i>4.0E-01</i>	1	UI	pCi/L	GP	0
		Heptachlor				<0.020	1		µg/L	GE	0
		Heptachlor epoxide				<0.020	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 6C (cont.)

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Hexachlorobenzene				<9.9	1		µg/L	GE	0
		Hexachlorobutadiene				<9.9	1		µg/L	GE	0
		Hexachlorocyclopentadiene				<9.9	1		µg/L	GE	0
		Hexachloroethane				<9.9	1		µg/L	GE	0
		Hexachlorophene				<500	1		µg/L	GE	0
		Hexachloropropene				<9.9	1		µg/L	GE	0
		2-Hexanone				<5.0	1		µg/L	GE	0
		1,2,3,4,6,7,8-HPCDD				<0.010	1		µg/L	GE	0
		1,2,3,4,6,7,8-HPCDF				<0.010	1		µg/L	GE	0
		1,2,3,4,7,8-HXCDD				<0.010	1		µg/L	GE	0
		1,2,3,4,7,8-HXCDF				<0.010	1		µg/L	GE	0
		Indeno(1,2,3-c,d)pyrene				<9.9	1		µg/L	GE	0
		Iodomethane (Methyl iodide)				<5.0	1		µg/L	GE	0
		Isobutyl alcohol				<10	1		µg/L	GE	0
		Isodrin				<9.9	1		µg/L	GE	0
		Isophorone				<9.9	1		µg/L	GE	0
		Isosafrole				<9.9	1		µg/L	GE	0
		Kepone				<9.9	1		µg/L	GE	0
		Lead, total recoverable		<5.0		<5.0	1		µg/L	GE	0
		Lead-212				1.3E+00	1	UI	pCi/L	GP	0
		Lindane				<0.020	1	J	µg/L	GE	0
		Lithium, total recoverable		29		<25	1		µg/L	GE	0
		Manganese-54				9.1E-01	1	UI	pCi/L	GP	0
		Mercury, total recoverable		<0.20		<0.20	1		µg/L	GE	0
		Methacrylonitrile				<5.0	1		µg/L	GE	0
		Methapyrilene				<9.9	1		µg/L	GE	0
		Methoxychlor				<0.20	1		µg/L	GE	0
		2-Methyl-4,6-dinitrophenol				<9.9	1		µg/L	GE	0
		Methyl ethyl ketone				<5.0	1		µg/L	GE	0
		Methyl isobutyl ketone				<5.0	1		µg/L	GE	0
		Methyl methacrylate				<5.0	1		µg/L	GE	0
		Methyl methanesulfonate				<9.9	1		µg/L	GE	0
		3-Methylcholanthrene				<9.9	1		µg/L	GE	0
		2-Methylnaphthalene				<9.9	1		µg/L	GE	0
		Naphthalene				<9.9	1		µg/L	GE	0
		1,4-Naphthoquinone				<9.9	1		µg/L	GE	0
		1-Naphthylamine				<9.9	1		µg/L	GE	0
		2-Naphthylamine				<9.9	1		µg/L	GE	0
		Neptunium-237				-1.4E-01	1	UI	pCi/L	GP	0
		Nickel, total recoverable		<5.0		<5.0	1		µg/L	GE	0
		m-Nitroaniline				<9.9	1		µg/L	GE	0
		o-Nitroaniline				<9.9	1		µg/L	GE	0
		p-Nitroaniline				<9.9	1		µg/L	GE	0
		Nitrobenzene				<9.9	1		µg/L	GE	0
		2-Nitrophenol				<9.9	1		µg/L	GE	0
		4-Nitrophenol				<20	1	J	µg/L	GE	0
		4-Nitroquinoline-1-oxide				<9.9	1		µg/L	GE	0
		N-Nitrosodi-n-butylamine				<9.9	1		µg/L	GE	0
		N-Nitrosodiethylamine				<9.9	1		µg/L	GE	0
		N-Nitrosodimethylamine				<9.9	1		µg/L	GE	0
		N-Nitrosodiphenylamine				<9.9	1		µg/L	GE	0
		N-Nitrosodipropylamine				<9.9	1	J	µg/L	GE	0
		N-Nitrosomethylethylamine				<9.9	1		µg/L	GE	0
		N-Nitrosomorpholine				<9.9	1		µg/L	GE	0
		N-Nitrosopiperidine				<9.9	1		µg/L	GE	0
		N-Nitrosopyrrolidine				<9.9	1		µg/L	GE	0
		5-Nitro-o-toluidine				<9.9	1		µg/L	GE	0
		Nonvolatile beta		2.0E-02		5.0E-01	1	UI	pCi/L	GP	0
		Octachlorodibenzo-p-dioxin				<0.010	1		µg/L	GE	0
		Octachlorodibenzo-p-furan				<0.010	1		µg/L	GE	0
		Parathion				<0.050	1		µg/L	GE	0
		Parathion methyl				<0.050	1		µg/L	GE	0
		PCB 1016				<0.13	1		µg/L	GE	0
		PCB 1221				<0.13	1		µg/L	GE	0
		PCB 1232				<0.13	1		µg/L	GE	0
		PCB 1242				<0.13	1		µg/L	GE	0
		PCB 1248				<0.13	1		µg/L	GE	0
		PCB 1254				<0.13	1		µg/L	GE	0
		PCB 1260				<0.13	1		µg/L	GE	0
		1,2,3,7,8-PCDD				<0.010	1		µg/L	GE	0
		1,2,3,7,8-PCDF				<0.010	1		µg/L	GE	0
		Pentachlorobenzene				<9.9	1		µg/L	GE	0
		Pentachloroethane				<9.9	1		µg/L	GE	0
		Pentachloronitrobenzene				<9.9	1		µg/L	GE	0
		Pentachlorophenol				<9.9	1	J	µg/L	GE	0
		Phenacetin				<9.9	1		µg/L	GE	0
		Phenanthrene				<9.9	1		µg/L	GE	0
		Phenol				<9.9	1	J	µg/L	GE	0
		Phenols		<5.0		<5.0	1		µg/L	GE	0
		p-Phenylenediamine				<9.9	1		µg/L	GE	0
		Phorate				<0.050	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 6C (cont.)

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		2-Picoline				<9.9	1		µg/L	GE	0
		Plutonium-238				3.9E-01	1	JV	pCi/L	GP	0
		Plutonium-239/240				8.0E-03	1	UI	pCi/L	GP	0
		Potassium-40				2.9E+01	1	UI	pCi/L	GP	0
		Promethium-144				8.6E-01	1	UI	pCi/L	GP	0
		Promethium-146				-9.6E-01	1	UI	pCi/L	GP	0
		Pronamid				<9.9	1		µg/L	GE	0
		Propionitrile				<10	1		µg/L	GE	0
		Pyrene				<9.9	1		µg/L	GE	0
		Pyridine				<9.9	1		µg/L	GE	0
		Radium, total alpha-emitting		1.0E-01		0.0E+00	1	UJI	pCi/L	GP	0
		Ruthenium-106				1.2E+01	1	UI	pCi/L	GP	0
		Safrole				<9.9	1		µg/L	GE	0
		Selenium, total recoverable		6.3		<5.0	1		µg/L	GE	0
		Silver, total recoverable		5.2		0.69	1	JE	µg/L	GE	0
		Sodium-22				-2.8E-02	1	UI	pCi/L	GP	0
		Strontium-90		5.0E-02		1.5E-01	1	UI	pCi/L	GP	0
		Styrene				<1.0	1		µg/L	GE	0
		Sulfate		<1,000		460	1		µg/L	GE	0
		Sulfide				<10,000	1	J3	µg/L	GE	0
		Sulfotep				<9.9	1		µg/L	GE	0
		2,4,5-T				<0.10	10		µg/L	GE	0
		2,3,7,8-TCDD				<0.010	1		µg/L	GE	0
		2,3,7,8-TCDF				<0.010	1		µg/L	GE	0
		1,2,4,5-Tetrachlorobenzene				<9.9	1		µg/L	GE	0
		1,1,1,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane		<1.5		<1.0	1		µg/L	GE	0
		Tetrachloroethylene		<1.9		<0.78	1	V	µg/L	GE	0
		2,3,4,6-Tetrachlorophenol				<9.9	1		µg/L	GE	0
		Thallium, total recoverable				<5.0	1		µg/L	GE	0
		Thionazin				<9.9	1		µg/L	GE	0
		Thorium-228				-5.8E-02	1	UI	pCi/L	GP	0
		Thorium-230				5.5E-02	1	UI	pCi/L	GP	0
		Thorium-232				-1.2E-02	1	UI	pCi/L	GP	0
		Tin, total recoverable		<25		<10	1		µg/L	GE	0
		Toluene		<1.7		<1.0	1		µg/L	GE	0
		o-Toluidine				<9.9	1		µg/L	GE	0
		Total activity		1.2E+06					pCi/L		
		Total dissolved solids		80,000		78,000	1		µg/L	GE	
		Total organic carbon		1,900		<5,000	1		µg/L	GE	0
		Total organic halogens		14		2.7	1	JE	µg/L	GE	0
		Toxaphene				<1.0	1		µg/L	GE	0
		2,4,5-TP (Silvex)				<0.10	10	J	µg/L	GE	0
		1,2,4-Trichlorobenzene				<9.9	1	J	µg/L	GE	0
		1,1,1-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		Trichloroethylene		<2.0		1.4	1		µg/L	GE	0
		Trichlorofluoromethane		<2.0		<1.0	1		µg/L	GE	0
		2,4,5-Trichlorophenol				<9.9	1		µg/L	GE	0
		2,4,6-Trichlorophenol				<9.9	1		µg/L	GE	0
		1,2,3-Trichloropropane				<1.0	1		µg/L	GE	0
		O,O,O-Triethyl phosphorothioate				<9.9	1		µg/L	GE	0
		1,3,5-Trinitrobenzene				<9.9	1		µg/L	GE	0
■		Tritium		1.1E+03		9.6E+02	1		pCi/mL	GP	2
		Uranium-233/234				6.2E-02	1	UI	pCi/L	GP	0
		Uranium-235				7.0E-02	1	UI	pCi/L	GP	0
		Uranium-238				3.1E-02	1	UI	pCi/L	GP	0
		Vanadium, total recoverable				0.57	1	JE	µg/L	GE	0
		Vinyl acetate				<5.0	1		µg/L	GE	0
		Xylenes				<1.0	1		µg/L	GE	0
		Yttrium-88				-1.6E-01	1	UI	pCi/L	GP	0
		Zinc, total recoverable		15		<6.1	1	V	µg/L	GE	0
		Zinc-65				-9.4E-01	1	UI	pCi/L	GP	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 6D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76487.3 E58297.1	33.290059 °N 81.661867 °W	237.2-217.2 ft msl	285.5 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE	04/15/97	10/28/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation		230.0		229.4	ft msl
pH		5.4		6.2	pH
Sp. conductance		260		500	µS/cm
Water temperature		31.0		19.0	°C
Alkalinity as CaCO ₃		28		17	mg/L
Turbidity		8		11	NTU
Volume purged		0.0		0.13	well volume
Sampling code		X		X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)		76,000		69,000	1		µg/L	GE	
		Aluminum, total recoverable		730					µg/L		
		Antimony, total recoverable		<15		<10	1		µg/L	GE	0
		Arsenic, total recoverable		<10		<5.0	1		µg/L	GE	0
		Barium, total recoverable		31		33	1		µg/L	GE	0
		Benzene		<8.0		<1.0	1		µg/L	GE	0
		Boron, total recoverable		<500		<50	1		µg/L	GE	0
		Bromodichloromethane		<8.0		<1.0	1		µg/L	GE	0
		Bromoform		<8.0		<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)		<8.0		<1.0	1		µg/L	GE	0
		Cadmium, total recoverable		<10		<5.0	1		µg/L	GE	0
		Carbon tetrachloride		<8.0		<1.0	1		µg/L	GE	0
		Carbon-14		3.1E+00					pCi/L		
		Chlorobenzene		<8.0		<1.0	1		µg/L	GE	0
		Chloroethane		<8.0		<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)		<8.0		<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether		<20		<5.0	1		µg/L	GE	0
		Chloroform		<8.0		<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)		<8.0		<1.0	1		µg/L	GE	0
		Chromium, total recoverable		<20		3.2	1	JE	µg/L	GE	0
		Copper, total recoverable		<20		4.1	1	JE	µg/L	GE	0
		Dibromochloromethane		<8.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethane		<8.0		<1.0	1		µg/L	GE	0
		1,2-Dichloroethane		<8.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene		5.9		<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene		<8.0		<1.0	1		µg/L	GE	0
		Dichloromethane		<20		<1.0	1		µg/L	GE	0
		1,2-Dichloropropane		<8.0		<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene		<8.0		<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene		<8.0		<1.0	1		µg/L	GE	0
		Ethylbenzene		<8.0		<1.0	1		µg/L	GE	0
		Gross alpha		1.6E+00		3.9E+00	1		pCi/L	GP	0
		Iron, total recoverable		220					µg/L		
		Lead, total recoverable		11		12	1		µg/L	GE	0
		Lithium, total recoverable		<25		<25	1		µg/L	GE	0
		Manganese, total recoverable		11					µg/L		
		Mercury, total recoverable		<1.0		<0.20	1		µg/L	GE	0
		Nickel, total recoverable		<20		3.2	1	JE	µg/L	GE	0
		Nonvolatile beta		1.5E+00		1.7E+00	1		pCi/L	GP	0
		Phenols		<25		<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting		1.3E+00		5.0E-01	1		pCi/L	GP	0
		Selenium, total recoverable		<10		<5.0	1		µg/L	GE	0
		Silver, total recoverable		<10		<5.0	1		µg/L	GE	0
		Strontium-90		-2.2E-01		-4.7E-01	1	UI	pCi/L	GP	0
		Sulfate		2,800		2,300	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane		<8.0		<1.0	1		µg/L	GE	0
		Tetrachloroethylene		12		<1.0	1		µg/L	GE	0
		Tin, total recoverable		<100		<10	1		µg/L	GE	0
		Toluene		<8.0		<1.0	1		µg/L	GE	0
		Total activity		2.6E+06					pCi/L		
		Total dissolved solids		99,000		96,000	1		µg/L	GE	
		Total organic carbon		<5,000		<5,000	1		µg/L	GE	0
		Total organic halogens		86		110	1	J1	µg/L	GE	2
		1,1,1-Trichloroethane		<8.0		<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane		<8.0		<1.0	1		µg/L	GE	0
		Trichloroethylene		120		<1.0	1		µg/L	GE	0
		Trichlorofluoromethane		5.4		<1.0	1		µg/L	GE	0
		Tritium		2.4E+03		2.7E+03	1		pCi/mL	GP	2
		Zinc, total recoverable		31		290	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 7D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76494.5 E57917.2	33.289455 °N 81.662882 °W	240.2-220.2 ft msl	287 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 04/21/97 11/03/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation		230.6		230.0	ft msl
pH		4.6		4.4	pH
Sp. conductance		24		28	µS/cm
Water temperature		30.0		18.0	°C
Alkalinity as CaCO ₃		0		0	mg/L
Turbidity		1		2	NTU
Volume purged		12		68	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Acenaphthene				<10	1		µg/L	GE	0
		Acenaphthylene				<10	1		µg/L	GE	0
		Acetone				<5.0	1		µg/L	GE	0
		Acetonitrile (Methyl cyanide)				<5.0	1		µg/L	GE	0
		Acetophenone				<10	1		µg/L	GE	0
		2-Acetylaminofluorene				<10	1		µg/L	GE	0
		Acrolein				<10	1		µg/L	GE	0
		Acrylonitrile				<10	1		µg/L	GE	0
		Actinium-228				2.6E+00	1	UI	pCi/L	GP	0
		Aldrin				<0.020	1		µg/L	GE	0
		Alkalinity (as CaCO ₃)		<1,000		1,500	1		µg/L	GE	0
		Allyl chloride				<5.0	1		µg/L	GE	0
		Aluminum, total recoverable		140					µg/L		
		Americium-241				3.6E-02	1	UI	pCi/L	GP	0
		4-Aminobiphenyl				<10	1		µg/L	GE	0
		Aniline				<10	1		µg/L	GE	0
		Anthracene				<10	1		µg/L	GE	0
		Antimony, total recoverable		<15		2.0	1	JE	µg/L	GE	0
		Antimony-125				1.3E+00	1	UI	pCi/L	GP	0
		Aramite				<10	1		µg/L	GE	0
		Arsenic, total recoverable		<10		<5.0	1		µg/L	GE	0
		Barium, total recoverable		6.4		4.8	1	JE	µg/L	GE	0
		Benzene		<2.0		<1.0	1		µg/L	GE	0
		alpha-Benzene hexachloride				<0.020	1		µg/L	GE	0
		beta-Benzene hexachloride				<0.020	1		µg/L	GE	0
		delta-Benzene hexachloride				<0.020	1		µg/L	GE	0
		Benzo(a)anthracene				<10	1		µg/L	GE	0
		Benzo(b)fluoranthene				<10	1		µg/L	GE	0
		Benzo(k)fluoranthene				<10	1		µg/L	GE	0
		Benzo(g,h,i)perylene				<10	1		µg/L	GE	0
		Benzo(a)pyrene				<10	1		µg/L	GE	0
		Benzyl alcohol				<10	1		µg/L	GE	0
		Beryllium, total recoverable				<5.0	1		µg/L	GE	0
		Bis(2-chloroethoxy) methane				<10	1		µg/L	GE	0
		Bis(2-chloroethyl) ether				<10	1		µg/L	GE	0
		Bis(2-chloroisopropyl) ether				<10	1		µg/L	GE	0
		Bis(2-ethylhexyl) phthalate				<10	1		µg/L	GE	0
		Boron, total recoverable		<500		<50	1		µg/L	GE	0
		Bromodichloromethane		<2.0		<1.0	1		µg/L	GE	0
		Bromoform		<2.0		<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)		<2.0		<1.0	1		µg/L	GE	0
		4-Bromophenyl phenyl ether				<10	1		µg/L	GE	0
		Butylbenzyl phthalate				<10	1		µg/L	GE	0
		2-sec-Butyl-4,6-dinitrophenol				<10	1		µg/L	GE	0
		Cadmium, total recoverable		<10		<5.0	1		µg/L	GE	0
		Carbon disulfide				<5.0	1		µg/L	GE	0
		Carbon tetrachloride		<2.0		<1.0	1		µg/L	GE	0
		Carbon-14		7.2E-01		6.6E+00	1	UI	pCi/L	GP	0
		Cerium-144				4.5E+00	1	UI	pCi/L	GP	0
		Cesium-134				2.1E+00	1	UI	pCi/L	GP	0
		Cesium-137				1.0E-01	1	UI	pCi/L	GP	0
		Chlordane				<0.10	1		µg/L	GE	0
		4-Chloroaniline				<20	1		µg/L	GE	0
		Chlorobenzene		<2.0		<1.0	1		µg/L	GE	0
		Chlorobenzilate				<10	1		µg/L	GE	0
		4-Chloro-m-cresol				<10	1		µg/L	GE	0
		Chloroethane		<2.0		<1.0	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 7D (cont.)

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Chloroethene (Vinyl chloride)		<2.0		<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether		<5.0					µg/L		
		Chloroform		<2.0		<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)		<2.0		<1.0	1		µg/L	GE	0
		2-Chloronaphthalene				<10	1		µg/L	GE	0
		2-Chlorophenol				<10	1		µg/L	GE	0
		4-Chlorophenyl phenyl ether				<10	1		µg/L	GE	0
		Chloroprene				<2.0	1		µg/L	GE	0
		Chromium, total recoverable	<20			<5.0	1		µg/L	GE	0
		Chrysene				<10	1		µg/L	GE	0
		Cobalt, total recoverable				<5.0	1		µg/L	GE	0
		Cobalt-57				2.3E-01	1	UI	pCi/L	GP	0
		Cobalt-60				1.9E+00	1	UI	pCi/L	GP	0
		Copper, total recoverable	<20			<5.0	1		µg/L	GE	0
		m/p-Cresol				<10	1		µg/L	GE	0
		o-Cresol (2-Methylphenol)				<10	1		µg/L	GE	0
		Curium-242				-1.4E-02	1	UI	pCi/L	GP	0
		Curium-243/244				2.0E-02	1	UI	pCi/L	GP	0
		Curium-245/246				6.1E-03	1	UI	pCi/L	GP	0
		Cyanide				<10	1		µg/L	GE	0
		p,p'-DDD				<0.040	1		µg/L	GE	0
		p,p'-DDE				<0.040	1		µg/L	GE	0
		p,p'-DDT				<0.040	1	J	µg/L	GE	0
		Diallate				<10	1		µg/L	GE	0
		Dibenz(a,h)anthracene				<10	1		µg/L	GE	0
		Dibenzofuran				<10	1		µg/L	GE	0
		Dibromochloromethane	<2.0			<1.0	1		µg/L	GE	0
		1,2-Dibromo-3-chloropropane				<1.0	1		µg/L	GE	0
		1,2-Dibromoethane				<1.0	1		µg/L	GE	0
		Dibromomethane (Methylene bromide)				<1.0	1		µg/L	GE	0
		Di-n-butyl phthalate				<10	1		µg/L	GE	0
		1,2-Dichlorobenzene				<10	1		µg/L	GE	0
		1,3-Dichlorobenzene				<10	1		µg/L	GE	0
		1,4-Dichlorobenzene				<10	1		µg/L	GE	0
		3,3'-Dichlorobenzidine				<51	1		µg/L	GE	0
		trans-1,4-Dichloro-2-butene				<5.0	1		µg/L	GE	0
		Dichlorodifluoromethane				0.40	1	JE	µg/L	GE	0
		1,1-Dichloroethane	<2.0			<1.0	1		µg/L	GE	0
		1,2-Dichloroethane	<2.0			<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene	<2.0			<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene	<2.0			<1.0	1		µg/L	GE	0
		Dichloromethane	<5.0			<1.0	1		µg/L	GE	0
		2,4-Dichlorophenol				<10	1		µg/L	GE	0
		2,6-Dichlorophenol				<10	1		µg/L	GE	0
		2,4-Dichlorophenoxyacetic acid				<0.10	10		µg/L	GE	0
		1,2-Dichloropropane	<2.0			<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene	<2.0			<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene	<2.0			<1.0	1		µg/L	GE	0
		Dieldrin				<0.040	1		µg/L	GE	0
		Diethyl phthalate				<10	1		µg/L	GE	0
		Dimethoate				<10	1		µg/L	GE	0
		2,4-Dimethyl phenol				<10	1		µg/L	GE	0
		Dimethyl phthalate				<10	1		µg/L	GE	0
		p-Dimethylaminoazobenzene				<10	1		µg/L	GE	0
		7,12-Dimethylbenz(a)anthracene				<10	1		µg/L	GE	0
		3,3'-Dimethylbenzidine				<10	1		µg/L	GE	0
		a,a-Dimethylphenethylamine				<10	1		µg/L	GE	0
		1,3-Dinitrobenzene				<10	1		µg/L	GE	0
		2,4-Dinitrophenol				<20	1		µg/L	GE	0
		2,4-Dinitrotoluene				<10	1		µg/L	GE	0
		2,6-Dinitrotoluene				<10	1		µg/L	GE	0
		Di-n-octyl phthalate				<10	1		µg/L	GE	0
		1,4-Dioxane				<10	1		µg/L	GE	0
		Diphenylamine				<10	1		µg/L	GE	0
		Disulfoton				<10	1		µg/L	GE	0
		Endosulfan sulfate				<0.040	1		µg/L	GE	0
		Endosulfan I				<0.020	1		µg/L	GE	0
		Endosulfan II				<0.040	1		µg/L	GE	0
		Endrin				<0.040	1		µg/L	GE	0
		Endrin aldehyde				<0.040	1		µg/L	GE	0
		Ethyl methacrylate				<10	1		µg/L	GE	0
		Ethyl methanesulfonate				<10	1		µg/L	GE	0
		Ethylbenzene	<2.0			<1.0	1		µg/L	GE	0
		Europium-152				2.3E+00	1	UI	pCi/L	GP	0
		Europium-154				1.1E+00	1	UI	pCi/L	GP	0
		Europium-155				-1.2E+00	1	UI	pCi/L	GP	0
		Famphur				<10	1		µg/L	GE	0
		Fluoranthene				<10	1		µg/L	GE	0
		Fluorene				<10	1		µg/L	GE	0
		Gross alpha		1.3E+00		2.4E+00	1		pCi/L	GP	0
		Heptachlor				<0.020	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 7D (cont.)

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Heptachlor epoxide				<0.020	1		µg/L	GE	0
		Hexachlorobenzene				<10	1		µg/L	GE	0
		Hexachlorobutadiene				<10	1		µg/L	GE	0
		Hexachlorocyclopentadiene				<10	1		µg/L	GE	0
		Hexachloroethane				<10	1		µg/L	GE	0
		Hexachlorophene				<510	1		µg/L	GE	0
		Hexachloropropene				<10	1		µg/L	GE	0
		2-Hexanone				<5.0	1		µg/L	GE	0
		1,2,3,4,6,7,8-HPCDD				<0.010	1		µg/L	GE	0
		1,2,3,4,6,7,8-HPCDF				<0.010	1		µg/L	GE	0
		1,2,3,4,7,8-HXCDD				<0.010	1		µg/L	GE	0
		1,2,3,4,7,8-HXCDF				<0.010	1		µg/L	GE	0
		Indeno(1,2,3-c,d)pyrene				<10	1		µg/L	GE	0
		Iodomethane (Methyl iodide)				<5.0	1		µg/L	GE	0
		Iron, total recoverable	30						µg/L		
		Isobutyl alcohol				<10	1		µg/L	GE	0
		Isodrin				<10	1		µg/L	GE	0
		Isophorone				<10	1		µg/L	GE	0
		Isosafrole				<10	1		µg/L	GE	0
		Kepone				<10	1		µg/L	GE	0
		Lead, total recoverable	<15			<5.0	1		µg/L	GE	0
		Lead-212				1.5E+00	1	UI	pCi/L	GP	0
		Lindane				<0.020	1		µg/L	GE	0
		Lithium, total recoverable	<25			<25	1		µg/L	GE	0
		Manganese, total recoverable	11						µg/L		
		Manganese-54				-1.5E+00	1	UI	pCi/L	GP	0
		Mercury, total recoverable	<1.0			<0.20	1		µg/L	GE	0
		Methacrylonitrile				<5.0	1		µg/L	GE	0
		Methapyrilene				<10	1		µg/L	GE	0
		Methoxychlor				<0.20	1		µg/L	GE	0
		2-Methyl-4,6-dinitrophenol				<10	1		µg/L	GE	0
		Methyl ethyl ketone				<5.0	1		µg/L	GE	0
		Methyl isobutyl ketone				<5.0	1		µg/L	GE	0
		Methyl methacrylate				<5.0	1		µg/L	GE	0
		Methyl methanesulfonate				<10	1		µg/L	GE	0
		3-Methylcholanthrene				<10	1		µg/L	GE	0
		2-Methylnaphthalene				<10	1		µg/L	GE	0
		Naphthalene				<10	1		µg/L	GE	0
		1,4-Naphthoquinone				<10	1		µg/L	GE	0
		1-Naphthylamine				<10	1		µg/L	GE	0
		2-Naphthylamine				<10	1		µg/L	GE	0
		Neptunium-237				4.4E-03	1	UI	pCi/L	GP	0
		Nickel, total recoverable	<20			<5.0	1		µg/L	GE	0
		m-Nitroaniline				<10	1		µg/L	GE	0
		o-Nitroaniline				<10	1		µg/L	GE	0
		p-Nitroaniline				<10	1		µg/L	GE	0
		Nitrobenzene				<10	1		µg/L	GE	0
		2-Nitrophenol				<10	1		µg/L	GE	0
		4-Nitrophenol				<20	1	J	µg/L	GE	0
		4-Nitroquinoline-1-oxide				<10	1		µg/L	GE	0
		N-Nitrosodi-n-butylamine				<10	1		µg/L	GE	0
		N-Nitrosodiethylamine				<10	1		µg/L	GE	0
		N-Nitrosodimethylamine				<10	1		µg/L	GE	0
		N-Nitrosodiphenylamine				<10	1		µg/L	GE	0
		N-Nitrosodipropylamine				<10	1		µg/L	GE	0
		N-Nitrosomethylethylamine				<10	1		µg/L	GE	0
		N-Nitrosomorpholine				<10	1		µg/L	GE	0
		N-Nitrosopiperidine				<10	1		µg/L	GE	0
		N-Nitrosopyrrolidine				<10	1		µg/L	GE	0
		5-Nitro-o-toluidine				<10	1		µg/L	GE	0
		Nonvolatile beta	1.3E+00			2.6E+00	1		pCi/L	GP	0
		Octachlorodibenzo-p-dioxin				<0.010	1		µg/L	GE	0
		Octachlorodibenzo-p-furan				<0.010	1		µg/L	GE	0
		Parathion				<0.050	1		µg/L	GE	0
		Parathion methyl				<0.050	1		µg/L	GE	0
		PCB 1016				<0.13	1		µg/L	GE	0
		PCB 1221				<0.13	1		µg/L	GE	0
		PCB 1232				<0.13	1		µg/L	GE	0
		PCB 1242				<0.13	1		µg/L	GE	0
		PCB 1248				<0.13	1		µg/L	GE	0
		PCB 1254				<0.13	1		µg/L	GE	0
		PCB 1260				<0.13	1		µg/L	GE	0
		1,2,3,7,8-PCDD				<0.010	1		µg/L	GE	0
		1,2,3,7,8-PCDF				<0.0010	1		µg/L	GE	0
		Pentachlorobenzene				<10	1		µg/L	GE	0
		Pentachloroethane				<10	1		µg/L	GE	0
		Pentachloronitrobenzene				<10	1		µg/L	GE	0
		Pentachlorophenol				<10	1	J	µg/L	GE	0
		Phenacetin				<10	1		µg/L	GE	0
		Phenanthrene				<10	1		µg/L	GE	0
		Phenol				<10	1	J	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 7D (cont.)

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Phenols		<25		<5.0	1		µg/L	GE	0
		p-Phenylenediamine				<10	1		µg/L	GE	0
		Phorate				<0.050	1		µg/L	GE	0
		2-Picoline				<10	1		µg/L	GE	0
		Plutonium-238				-1.2E-01	1	UI	pCi/L	GP	0
		Plutonium-239/240				7.6E-02	1		pCi/L	GP	0
		Potassium-40				1.9E+01	1	UI	pCi/L	GP	0
		Promethium-144				1.9E-01	1	UI	pCi/L	GP	0
		Promethium-146				-8.8E-01	1	UI	pCi/L	GP	0
		Pronamid				<10	1		µg/L	GE	0
		Propionitrile				<10	1		µg/L	GE	0
		Pyrene				<10	1		µg/L	GE	0
		Pyridine				<10	1		µg/L	GE	0
		Radium, total alpha-emitting		9.0E-01		9.0E-01	1		pCi/L	GP	0
		Ruthenium-106				1.2E+01	1	UI	pCi/L	GP	0
		Safrole				<10	1		µg/L	GE	0
		Selenium, total recoverable		<10		1.6	1	JE	µg/L	GE	0
		Silver, total recoverable		<10		<5.0	1		µg/L	GE	0
		Sodium-22				4.2E-01	1	UI	pCi/L	GP	0
		Strontium-90		-1.1E-01		-3.0E-01	1	UJI	pCi/L	GP	0
		Styrene				<1.0	1		µg/L	GE	0
		Sulfate		<5,000		730	1		µg/L	GE	0
		Sulfide				<10,000	1	J3	µg/L	GE	0
		Sulfotep				<10	1		µg/L	GE	0
		2,4,5-T				<0.10	10	J	µg/L	GE	0
		2,3,7,8-TCDD				<0.010	1		µg/L	GE	0
		2,3,7,8-TCDF				<0.010	1		µg/L	GE	0
		1,2,4,5-Tetrachlorobenzene				<10	1		µg/L	GE	0
		1,1,1,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane		<2.0		<1.0	1		µg/L	GE	0
		Tetrachloroethylene		1.9		0.52	1	JE	µg/L	GE	0
		2,3,4,6-Tetrachlorophenol				<10	1		µg/L	GE	0
		Thallium, total recoverable				3.3	1	JE	µg/L	GE	2
		Thionazin				<10	1		µg/L	GE	0
		Thorium-228				-8.7E-03	1	UI	pCi/L	GP	0
		Thorium-230				5.0E-02	1	UI	pCi/L	GP	0
		Thorium-232				1.4E-02	1	UI	pCi/L	GP	0
		Tin, total recoverable		<100		<10	1		µg/L	GE	0
		Toluene		<2.0		<1.0	1		µg/L	GE	0
		o-Toluidine				<10	1		µg/L	GE	0
		Total activity		3.7E+05					pCi/L		
		Total dissolved solids		19,000		22,000	1		µg/L	GE	
		Total organic carbon		<5,000		<5,000	1		µg/L	GE	0
		Total organic halogens		29		5.6	1	JE	µg/L	GE	0
		Toxaphene				<1.0	1		µg/L	GE	0
		2,4,5-TP (Silvex)				<0.10	10	J	µg/L	GE	0
		1,2,4-Trichlorobenzene				<10	1		µg/L	GE	0
		1,1,1-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
	■	Trichloroethylene		29		6.3	1		µg/L	GE	2
		Trichlorofluoromethane		<2.0		<1.0	1		µg/L	GE	0
		2,4,5-Trichlorophenol				<10	1		µg/L	GE	0
		2,4,6-Trichlorophenol				<10	1		µg/L	GE	0
		1,2,3-Trichloropropane				<1.0	1		µg/L	GE	0
		O,O,O-Triethyl phosphorothioate				<10	1		µg/L	GE	0
		1,3,5-Trinitrobenzene				<10	1		µg/L	GE	0
	■	Tritium		3.7E+02		4.3E+02	1		pCi/mL	GP	2
		Uranium-233/234				6.6E-02	1	UI	pCi/L	GP	0
		Uranium-235				3.7E-02	1	UI	pCi/L	GP	0
		Uranium-238				5.8E-02	1	UI	pCi/L	GP	0
		Vanadium, total recoverable				<5.0	1		µg/L	GE	0
		Vinyl acetate				<5.0	1		µg/L	GE	0
		Xylenes				<1.0	1		µg/L	GE	0
		Yttrium-88				1.6E+00	1	UI	pCi/L	GP	0
		Zinc, total recoverable		<8.9		<5.0	1		µg/L	GE	0
		Zinc-65				-1.1E+00	1	UI	pCi/L	GP	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 8AR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76598.8 E57617.5	33.289197 °N 81.663874 °W	104.6-94.6 ft msl	286.6 ft msl	4" PVC	S	U. Congaree (IIA)

SAMPLE DATE 04/01/97 11/03/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation		161.0		160.5	ft msl
pH		6.8		7.2	pH
Sp. conductance		240		270	µS/cm
Water temperature		25.0		20.1	°C
Alkalinity as CaCO ₃		112		123	mg/L
Turbidity		1		0	NTU
Volume purged		2.3		2.2	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)		110,000		130,000	1		µg/L	WA	
		Antimony, total recoverable		<15		<10	1		µg/L	GE	0
		Arsenic, total recoverable		<10		4.8	1	JE	µg/L	GE	0
		Barium, total recoverable		17		16	1	V	µg/L	WA	0
		Benzene		<2.0		<1.0	1		µg/L	GE	0
		Boron, total recoverable		<500		<50	1		µg/L	GE	0
		Bromodichloromethane		<2.0		<1.0	1		µg/L	GE	0
		Bromoform		<2.0		<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)		<2.0		<1.0	1		µg/L	GE	0
		Cadmium, total recoverable		<10		<4.7	1		µg/L	WA	0
		Carbon tetrachloride		<2.0		<1.0	1		µg/L	GE	0
		Carbon-14		1.2E+00		3.2E+01	1		pCi/L	GP	0
		Chlorobenzene		<2.0		<1.0	1		µg/L	GE	0
		Chloroethane		<2.0		<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)		<2.0		<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether		<5.0		<5.0	1		µg/L	GE	0
		Chloroform		<2.0		<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)		<2.0		<1.0	1		µg/L	GE	0
		Chromium, total recoverable		<20		<5.0	1		µg/L	GE	0
		Copper, total recoverable		<20		<5.0	1		µg/L	GE	0
		Dibromochloromethane		<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,2-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Dichloromethane		<5.0		<1.0	1		µg/L	GE	0
		1,2-Dichloropropane		<2.0		<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		Ethylbenzene		<2.0		<1.0	1		µg/L	GE	0
		Gross alpha		3.3E-01		8.4E-02	1	UI	pCi/L	GP	0
		Lead, total recoverable		<15		<5.0	1		µg/L	GE	0
		Lithium, total recoverable		<25		6.2	1		µg/L	WA	0
		Mercury, total recoverable		<1.0		<0.20	1		µg/L	GE	0
		Nickel, total recoverable		<20		<5.0	1		µg/L	GE	0
		Nonvolatile beta		8.0E-01		5.6E+01	1		pCi/L	TM	2
		Phenols		<25		<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting		1.0E-01		1.0E-01	1	UI	pCi/L	GP	0
		Selenium, total recoverable		<10		2.4	1	JE	µg/L	GE	0
		Silver, total recoverable		<10		<5.0	1		µg/L	GE	0
		Strontium-90		1.4E-01		0.0E+00	1	UI	pCi/L	TM	0
		Sulfate		7,900		8,200	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane		<2.0		<1.0	1		µg/L	GE	0
		Tetrachloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Tin, total recoverable		<100		<10	1		µg/L	GE	0
		Toluene		<2.0		<1.0	1		µg/L	GE	0
		Total dissolved solids		170,000		190,000	1		µg/L	GE	0
		Total organic carbon		<5,000		560	1	JE	µg/L	WA	0
		Total organic halogens		<10		18	1	JE	µg/L	WA	0
		1,1,1-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		Trichloroethylene		<2.0		0.63	1	JE	µg/L	GE	0
		Trichlorofluoromethane		<2.0		1.7	1	JE	µg/L	WA	0
		Tritium		6.8E-01		1.9E+00	1		pCi/mL	TM	0
		Xylenes				<5.0	1		µg/L	WA	0
		Zinc, total recoverable		<2.9		70	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 8C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76579.2 E57618.7	33.289156 °N 81.663832 °W	184.3-174.3 ft msl	287.9 ft msl	4" PVC	S	McBean (IIB1)

SAMPLE DATE	04/16/97	10/30/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation		221.7		221.3	ft msl
pH		6.0		6.5	pH
Sp. conductance		120		155	µS/cm
Water temperature		26.0		20.1	°C
Alkalinity as CaCO ₃		4		42	mg/L
Turbidity		1		1	NTU
Volume purged		2.9		2.6	well volume
Sampling code					

ANALYTICAL DATA

Parameter	1Q	2Q	3Q	4Q	Unit	GE	0
Alkalinity (as CaCO ₃)	49,000			41,000	µg/L	GE	0
Antimony, total recoverable	<3.4			<10	µg/L	GE	0
Arsenic, total recoverable	<8.0			<5.0	µg/L	GE	0
Barium, total recoverable	10			6.9	µg/L	GE	0
Benzene	<2.0			<1.0	µg/L	GE	0
Boron, total recoverable	49			<50	µg/L	GE	0
Bromodichloromethane	<2.0			<1.0	µg/L	GE	0
Bromoform	<2.0			<1.0	µg/L	GE	0
Bromomethane (Methyl bromide)	<2.0			<1.0	µg/L	GE	0
Cadmium, total recoverable	<2.0			<5.0	µg/L	GE	0
Carbon tetrachloride	<2.0			<1.0	µg/L	GE	0
Carbon-14	-2.5E+00				pCi/L		
Chlorobenzene	<1.4			<1.0	µg/L	GE	0
Chloroethane	<2.0			<1.0	µg/L	GE	0
Chloroethene (Vinyl chloride)	<2.0			<1.0	µg/L	GE	0
2-Chloroethyl vinyl ether	<3.1			<5.0	µg/L	GE	0
Chloroform	<2.0			<1.0	µg/L	GE	0
Chloromethane (Methyl chloride)	<2.0			<1.0	µg/L	GE	0
Chromium, total recoverable	<10			3.1	µg/L	GE	0
Copper, total recoverable	11			11	µg/L	GE	0
Dibromochloromethane	<2.0			<1.0	µg/L	GE	0
1,1-Dichloroethane	<2.0			<1.0	µg/L	GE	0
1,2-Dichloroethane	<2.0			<1.0	µg/L	GE	0
1,1-Dichloroethylene	<2.0			<1.0	µg/L	GE	0
trans-1,2-Dichloroethylene	<2.0			<1.0	µg/L	GE	0
Dichloromethane	<5.0			<12	µg/L	GE	0
1,2-Dichloropropane	<2.0			<1.0	µg/L	GE	0
cis-1,3-Dichloropropene	<2.0			<1.0	µg/L	GE	0
trans-1,3-Dichloropropene	<1.6			<1.0	µg/L	GE	0
Ethylbenzene	<1.3			<1.0	µg/L	GE	0
Gross alpha	1.4E-01			4.0E-01	pCi/L	GP	0
Lead, total recoverable	3.5			<5.0	µg/L	GE	0
Lithium, total recoverable	20			<25	µg/L	GE	0
Mercury, total recoverable	<0.20			<0.20	µg/L	GE	0
Nickel, total recoverable	<5.0			<5.0	µg/L	GE	0
Nonvolatile beta	2.2E+00			1.7E+00	pCi/L	GP	0
Phenols	<5.0			<5.0	µg/L	GE	0
Radium, total alpha-emitting	0.0E+00			-1.0E-01	pCi/L	GP	0
Selenium, total recoverable	<5.0			<5.0	µg/L	GE	0
Silver, total recoverable	<2.0			<5.0	µg/L	GE	0
Strontium-90	-2.4E-01			3.0E-02	pCi/L	GP	0
• Sulfate	1,200			600	µg/L	GE	0
1,1,2,2-Tetrachloroethane	<1.5			<1.0	µg/L	GE	0
Tetrachloroethylene	<1.9			<1.0	µg/L	GE	0
Tin, total recoverable	<25			<10	µg/L	GE	0
Toluene	<1.7			<1.0	µg/L	GE	0
Total dissolved solids	50,000			73,000	µg/L	GE	0
• Total organic carbon	3,600			<5,000	µg/L	GE	0
• Total organic halogens	32			<10	µg/L	GE	0
1,1,1-Trichloroethane	<2.0			<1.0	µg/L	GE	0
1,1,2-Trichloroethane	<2.0			<1.0	µg/L	GE	0
Trichloroethylene	<2.0			<1.0	µg/L	GE	0
Trichlorofluoromethane	<2.0			<1.0	µg/L	GE	0
Tritium	9.4E+00			1.5E+01	pCi/mL	GP	1
Zinc, total recoverable	43			33	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

• = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 8D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76588.8 E57617.8	33.289175 °N 81.663853 °W	240.6-220.6 ft msl	287.8 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE	04/02/97	10/30/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation		230.6		230.4	ft msl
pH		4.4		4.9	pH
Sp. conductance		22		23	µS/cm
Water temperature		26.0		20.0	°C
Alkalinity as CaCO ₃		1		3	mg/L
Turbidity		14		1	NTU
Volume purged		7.9		5.8	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)		2,200		2,900	1		µg/L	GE	
		Aluminum, total recoverable		47					µg/L		
		Antimony, total recoverable		<15		<10	1		µg/L	GE	0
		Arsenic, total recoverable		<10		<5.0	1		µg/L	GE	0
		Barium, total recoverable		9.1		8.4	1		µg/L	GE	0
		Benzene		<2.0		<1.0	1		µg/L	GE	0
		Boron, total recoverable		<500		<50	1		µg/L	GE	0
		Bromodichloromethane		<2.0		<1.0	1		µg/L	GE	0
		Bromoform		<2.0		<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)		<2.0		<1.0	1		µg/L	GE	0
		Cadmium, total recoverable		<10		<5.0	1		µg/L	GE	0
		Carbon tetrachloride		<2.0		<1.0	1		µg/L	GE	0
		Carbon-14		4.3E+01					pCi/L		
		Chlorobenzene		<2.0		<1.0	1		µg/L	GE	0
		Chloroethane		<2.0		<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)		<2.0		<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether		<5.0		<5.0	1		µg/L	GE	0
		Chloroform		<2.0		<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)		<2.0		<1.0	1		µg/L	GE	0
		Chromium, total recoverable		<20		<5.0	1		µg/L	GE	0
		Copper, total recoverable		<20		2.9	1	JE	µg/L	GE	0
		Dibromochloromethane		<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,2-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Dichloromethane		<5.0		<25	1	V	µg/L	GE	0
		1,2-Dichloropropane		<2.0		<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		Ethylbenzene		<2.0		<1.0	1		µg/L	GE	0
		Gross alpha		1.2E+00		3.4E+00	1		pCi/L	GP	0
		Iron, total recoverable		30					µg/L		
		Lead, total recoverable		<15		<5.0	1		µg/L	GE	0
		Lithium, total recoverable		<25		<25	1		µg/L	GE	0
		Manganese, total recoverable		6.8					µg/L		
		Mercury, total recoverable		<1.0		<0.20	1		µg/L	GE	0
		Nickel, total recoverable		<20		<5.0	1		µg/L	GE	0
		Nonvolatile beta		1.9E+00		2.0E+00	1		pCi/L	GP	0
		Phenols		<25		<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting		8.0E-01		5.0E-01	1		pCi/L	GP	0
		Selenium, total recoverable		<10		<5.0	1		µg/L	GE	0
		Silver, total recoverable		<10		<5.0	1		µg/L	GE	0
		Strontium-90		-1.9E-01		1.9E-01	1	UJI	pCi/L	GP	0
●		Sulfate		1,000		680	1	J1	µg/L	GE	0
		1,1,2,2-Tetrachloroethane		<2.0		<1.0	1		µg/L	GE	0
		Tetrachloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Tin, total recoverable		<100		<10	1		µg/L	GE	0
		Toluene		<2.0		<1.0	1		µg/L	GE	0
		Total activity		2.8E+05					pCi/L		
		Total dissolved solids		28,000		19,000	1		µg/L	GE	
●		Total organic carbon		<5,000		<5,000	1	J1	µg/L	GE	0
●		Total organic halogens		<10		1.6	1	J1	µg/L	GE	0
		1,1,1-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		Trichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Trichlorofluoromethane		<2.0		0.58	1	JE	µg/L	GE	0
■		Tritium		2.8E+02		3.0E+02	1		pCi/mL	GP	2
		Zinc, total recoverable		2.6		1.6	1	JE	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 9AA

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76975.7 E57371.9	33.289630 °N 81.665252 °W	83.8-73.8 ft msl	284.8 ft msl	4" PVC	S	L. Congaree (IIA)

SAMPLE DATE 11/04/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				157.3	ft msl
pH				11.6	pH
Sp. conductance				6080	µS/cm
Water temperature				18.0	°C
Alkalinity as CaCO ₃				1104	mg/L
Turbidity				3	NTU
Volume purged				0.018	well volume
Sampling code				X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				1,600,000	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				1,000	1		µg/L	GE	1
		Benzene				<1.0	1	J1	µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				0.26	1	JE1	µg/L	GE	0
		Bromoform				<1.0	1	J1	µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1	J1	µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1	J1	µg/L	GE	0
		Carbon-14				2.1E+00	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1	J1	µg/L	GE	0
		Chloroethane				<1.0	1	J1	µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1	J1	µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1	J1	µg/L	GE	0
		Chloroform				0.70	1	JE1	µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1	J1	µg/L	GE	0
		Chromium, total recoverable				<5.0	1		µg/L	GE	0
		Copper, total recoverable				3.6	1	JE	µg/L	GE	0
		Dibromochloromethane				<1.0	1	J1	µg/L	GE	0
		1,1-Dichloroethane				<1.0	1	J1	µg/L	GE	0
		1,2-Dichloroethane				<1.0	1	J1	µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1	J1	µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1	J1	µg/L	GE	0
		Dichloromethane				<1.0	1	J1	µg/L	GE	0
		1,2-Dichloropropane				<1.0	1	J1	µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1	J1	µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1	J1	µg/L	GE	0
		Ethylbenzene				<1.0	1	J1	µg/L	GE	0
■		Gross alpha				2.4E+01	1		pCi/L	GP	2
		Lead, total recoverable				4.8	1	JE	µg/L	GE	0
		Lithium, total recoverable				1,500	1		µg/L	GE	2
		Mercury, total recoverable				<0.20	1		µg/L	GE	0
		Nickel, total recoverable				4.3	1	JE	µg/L	GE	0
■		Nonvolatile beta				1.1E+02	1		pCi/L	GP	2
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				6.8E+00	1		pCi/L	GP	2
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				-1.9E-02	1	UI	pCi/L	GP	0
		Sulfate				2,700	1	V	µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1	J1	µg/L	GE	0
		Tetrachloroethylene				<1.0	1	J1	µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				2.8	1	J1	µg/L	GE	0
		Total dissolved solids				1,700,000	1		µg/L	GE	
		Total organic carbon				8,300	1		µg/L	GE	0
		Total organic halogens				4.4	1	JE	µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1	J1	µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1	J1	µg/L	GE	0
		Trichloroethylene				<1.0	1	J1	µg/L	GE	0
		Trichlorofluoromethane				<1.0	1	J1	µg/L	GE	0
		Tritium				6.8E-01	1		pCi/mL	GP	0
		Zinc, total recoverable				12	1	J	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 9D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76811.6 E57478.9	33.289442 °N 81.664652 °W	229.2-209.2 ft msl	285.1 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 04/02/97 10/27/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation		228.4		228.4	ft msl
pH		4.0		5.4	pH
Sp. conductance		24		34	µS/cm
Water temperature		26.0		18.2	°C
Alkalinity as CaCO ₃		1		3	mg/L
Turbidity		3		8	NTU
Volume purged		2.6		0.080	well volume
Sampling code				X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)		1,600		3,600	1		µg/L	GE	
		Aluminum, total recoverable		35					µg/L		
		Antimony, total recoverable		<15		<10	1		µg/L	GE	0
		Arsenic, total recoverable		<10		<5.0	1		µg/L	GE	0
		Barium, total recoverable		11		4.4	1	JE	µg/L	GE	0
		Benzene		<2.0		<1.0	1		µg/L	GE	0
		Boron, total recoverable		<500		<50	1		µg/L	GE	0
		Bromodichloromethane		<2.0		<1.0	1		µg/L	GE	0
		Bromoform		<2.0		<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)		<2.0		<1.0	1		µg/L	GE	0
		Cadmium, total recoverable		<10		<5.0	1		µg/L	GE	0
		Carbon tetrachloride		<2.0		<1.0	1		µg/L	GE	0
		Carbon-14		2.1E+00		6.1E+00	1	UI	pCi/L	GP	0
		Chlorobenzene		<2.0		<1.0	1		µg/L	GE	0
		Chloroethane		<2.0		<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)		<2.0		<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether		<5.0		<5.0	1		µg/L	GE	0
		Chloroform		<2.0		<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)		<2.0		<1.0	1		µg/L	GE	0
		Chromium, total recoverable		<20		<5.0	1		µg/L	GE	0
		Copper, total recoverable		<20		2.7	1	JE	µg/L	GE	0
		Dibromochloromethane		<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,2-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Dichloromethane		<5.0		<1.0	1		µg/L	GE	0
		1,2-Dichloropropane		<2.0		<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		Ethylbenzene		<2.0		<1.0	1		µg/L	GE	0
		Gross alpha		2.4E+00		2.2E+00	1		pCi/L	GP	0
		Iron, total recoverable		15					µg/L		
		Lead, total recoverable		<15		<5.0	1	J	µg/L	GE	0
		Lithium, total recoverable		8.4		<25	1		µg/L	GE	0
		Manganese, total recoverable		14					µg/L		
		Mercury, total recoverable		<1.0		0.12	1	JE	µg/L	GE	0
		Nickel, total recoverable		<20		<5.0	1		µg/L	GE	0
		Nonvolatile beta		1.1E+00		1.3E+00	1		pCi/L	GP	0
		Phenols		<25		<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting		1.6E+00		5.0E-01	1		pCi/L	GP	0
		Selenium, total recoverable		<10		<5.0	1		µg/L	GE	0
		Silver, total recoverable		<10		<5.0	1		µg/L	GE	0
		Strontium-90		3.7E-01		1.3E-01	1	UI	pCi/L	GP	0
		Sulfate		<5,000		470	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane		<2.0		<1.0	1		µg/L	GE	0
		Tetrachloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Tin, total recoverable		<100		<10	1		µg/L	GE	0
		Toluene		<2.0		<1.0	1		µg/L	GE	0
		Total activity		5.3E+05					pCi/L		
		Total dissolved solids		22,000		23,000	1		µg/L	GE	
		Total organic carbon		<5,000		240	1	JE	µg/L	GE	0
●		Total organic halogens		<3.7		<12	1	JV1	µg/L	GE	0
		1,1,1-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		Trichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Trichlorofluoromethane		<2.0		<1.0	1		µg/L	GE	0
■		Tritium		5.2E+02		3.9E+02	1		pCi/mL	GP	2
		Zinc, total recoverable		11		<5.2	1	V	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 10AA

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76997.9 E56990.5	33.289057 °N 81.666300 °W	90.8-80.8 ft msl	300.7 ft msl	4" PVC	S	L. Congaree (IIA)

SAMPLE DATE 10/27/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				157.1	ft msl
pH				6.6	pH
Sp. conductance				200	µS/cm
Water temperature				18.0	°C
Alkalinity as CaCO ₃				65	mg/L
Turbidity				2	NTU
Volume purged				3.2	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				86,000	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				44	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				6.8E+00	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				<5.0	1		µg/L	GE	0
		Copper, total recoverable				<5.0	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				1.7E+00	1		pCi/L	GP	0
		Lead, total recoverable				1.3	1	JE	µg/L	GE	0
		Lithium, total recoverable				20	1	JE	µg/L	GE	0
		Mercury, total recoverable				0.16	1	JE	µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				2.9E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				1.1E+00	1		pCi/L	GP	0
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				2.4E-01	1	UI	pCi/L	GP	0
		Sulfate				6,700	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				140,000	1		µg/L	GE	0
		Total organic carbon				<5,000	1		µg/L	GE	0
●		Total organic halogens				<12	1	JV1	µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				<1.0	1		µg/L	GE	0
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
		Tritium				2.4E-01	1	UI	pCi/mL	GP	0
		Zinc, total recoverable				<2.1	1	V	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 10AR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76806.0 E57063.8	33.288752 °N 81.665734 °W	106.5-96.5 ft msl	300.5 ft msl	4" PVC	S	U. Congaree (IIA)

SAMPLE DATE	04/01/97	11/04/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation		157.9		157.7	ft msl
pH		6.8		7.5	pH
Sp. conductance		220		230	µS/cm
Water temperature		25.0		19.7	°C
Alkalinity as CaCO ₃		103		123	mg/L
Turbidity		2		0	NTU
Volume purged		2.8		2.4	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)		110,000		120,000	1		µg/L	WA	
		Antimony, total recoverable		<15		<10	1		µg/L	GE	0
		Arsenic, total recoverable		<10		<5.0	1		µg/L	GE	0
		Barium, total recoverable		19		33	1		µg/L	GE	0
		Benzene		<2.0		<1.0	1		µg/L	GE	0
		Boron, total recoverable		<500		58	1	JE	µg/L	WA	0
		Bromodichloromethane		<2.0		<1.0	1		µg/L	GE	0
		Bromoform		<2.0		<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)		<2.0		<1.0	1		µg/L	GE	0
		Cadmium, total recoverable		<10		<4.7	1		µg/L	WA	0
		Carbon tetrachloride		<2.0		<1.0	1		µg/L	GE	0
		Carbon-14		2.6E+00		-2.9E-01	1	UI	pCi/L	GP	0
		Chlorobenzene		<2.0		<1.0	1		µg/L	GE	0
		Chloroethane		<2.0		<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)		<2.0		<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether		<5.0		<5.0	1		µg/L	GE	0
		Chloroform		<2.0		<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)		<2.0		<1.0	1		µg/L	GE	0
		Chromium, total recoverable		<20		1.1	1	JE	µg/L	GE	0
		Copper, total recoverable		<20		2.2	1	JE	µg/L	GE	0
		Dibromochloromethane		<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,2-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Dichloromethane		<5.0		<0.73	1	V	µg/L	GE	0
		1,2-Dichloropropane		<2.0		<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		Ethylbenzene		<2.0		<1.0	1		µg/L	GE	0
		Gross alpha		4.3E-01		9.9E-01	1		pCi/L	GP	0
		Lead, total recoverable		<15		<5.0	1		µg/L	GE	0
		Lithium, total recoverable		<15		8.7	1		µg/L	WA	0
		Mercury, total recoverable		<1.0		<0.20	1		µg/L	GE	0
		Nickel, total recoverable		<20		10	1	JE	µg/L	WA	0
		Nonvolatile beta		8.6E-01		1.7E+00	1		pCi/L	GP	0
		Phenols		<25		<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting		2.0E-01		5.0E-01	1		pCi/L	GP	0
		Selenium, total recoverable		<10		<5.0	1		µg/L	GE	0
		Silver, total recoverable		<10		<5.0	1		µg/L	GE	0
		Strontium-90		4.4E-01		2.8E-02	1	UJI	pCi/L	GP	0
		Sulfate		7,300		7,900	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane		<2.0		<1.0	1		µg/L	GE	0
		Tetrachloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Tin, total recoverable		<100		<10	1		µg/L	GE	0
		Toluene		<2.0		<1.0	1		µg/L	GE	0
		Total dissolved solids		160,000		170,000	1		µg/L	GE	0
		Total organic carbon		<5,000		24,000	2		µg/L	WA	0
		Total organic halogens		<8.2		33	1	JE	µg/L	WA	0
		1,1,1-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		Trichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Trichlorofluoromethane		<2.0		<1.0	1		µg/L	GE	0
		Tritium		-1.6E-01		8.1E-01	1	J1	pCi/mL	TM	0
		Xylenes				<5.0	1		µg/L	WA	0
		Zinc, total recoverable		<2.6		4.8	1	JE	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 10B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76982.1 E56978.8	33.289003 °N 81.666300 °W	149.0-139.0 ft msl	301 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE

10/27/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				217.4	ft msl
pH				9.8	pH
Sp. conductance				240	µS/cm
Water temperature				17.0	°C
Alkalinity as CaCO ₃				69	mg/L
Turbidity				5	NTU
Volume purged				0.019	well volume
Sampling code				X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				61,000	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				61	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				29	1	JE	µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoforn				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				0.28	1	JE	µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				1.4E+01	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				0.69	1	JE	µg/L	GE	0
		Chromium, total recoverable				<5.0	1		µg/L	GE	0
		Copper, total recoverable				<5.0	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				1.5E+00	1		pCi/L	GP	0
		Lead, total recoverable				<5.0	1	J	µg/L	GE	0
		Lithium, total recoverable				140	1		µg/L	GE	1
		Mercury, total recoverable				0.26	1		µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				7.8E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				7.0E-01	1		pCi/L	GP	0
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				-8.9E-02	1	UI	pCi/L	GP	0
		Sulfate				2,700	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				110,000	1		µg/L	GE	
		Total organic carbon				240	1	JE	µg/L	GE	0
		Total organic halogens				70	1	JV1	µg/L	GE	1
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				<1.0	1		µg/L	GE	0
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
		Tritium				3.8E+02	1		pCi/mL	GP	2
		Zinc, total recoverable				21	1	V	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 10C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76805.2 E57041.1	33.288713 °N 81.665792 °W	167.3-157.3 ft msl	301.3 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE	04/02/97	10/30/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation		218.4		218.1	ft msl
pH		10.0		7.5	pH
Sp. conductance		260		230	µS/cm
Water temperature		25.0		21.2	°C
Alkalinity as CaCO ₃		76		107	mg/L
Turbidity		6		20	NTU
Volume purged		0.0			well volume
Sampling code		X		X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)		69,000		110,000	1		µg/L	GE	
		Antimony, total recoverable		<15		<10	1		µg/L	GE	0
		Arsenic, total recoverable		<10		<5.0	1		µg/L	GE	0
		Barium, total recoverable		79		35	1		µg/L	GE	0
		Benzene		<2.0		<1.0	1		µg/L	GE	0
		Boron, total recoverable		24		<50	1		µg/L	GE	0
		Bromodichloromethane		<2.0		<1.0	1		µg/L	GE	0
		Bromoform		<2.0		<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)		<2.0		<1.0	1		µg/L	GE	0
		Cadmium, total recoverable		<10		<5.0	1		µg/L	GE	0
		Carbon tetrachloride		<2.0		<1.0	1		µg/L	GE	0
		Carbon-14		1.7E+00					pCi/L		
		Chlorobenzene		<2.0		<1.0	1		µg/L	GE	0
		Chloroethane		<2.0		<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)		<2.0		<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether		<5.0		<5.0	1		µg/L	GE	0
		Chloroform		<2.0		<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)		<2.0		<1.0	1		µg/L	GE	0
		Chromium, total recoverable		6.9		6.8	1		µg/L	GE	0
		Copper, total recoverable		4.7		16	1		µg/L	GE	0
		Dibromochloromethane		<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,2-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Dichloromethane		<5.0		<1.0	1		µg/L	GE	0
		1,2-Dichloropropane		<2.0		<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		Ethylbenzene		<2.0		<1.0	1		µg/L	GE	0
		Gross alpha		8.2E-01		2.0E+00	1		pCi/L	GP	0
		Lead, total recoverable		3.9		8.7	1		µg/L	GE	0
		Lithium, total recoverable		17		<25	1		µg/L	GE	0
		Mercury, total recoverable		<1.0		<0.20	1		µg/L	GE	0
		Nickel, total recoverable		<20		<5.0	1		µg/L	GE	0
		Nonvolatile beta		4.0E+00		2.9E+00	1		pCi/L	GP	0
		Phenols		<25		<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting		2.0E-01		3.0E-01	1	UI	pCi/L	GP	0
		Selenium, total recoverable		<10		1.7	1	JE	µg/L	GE	0
		Silver, total recoverable		<10		<5.0	1		µg/L	GE	0
		Strontium-90		2.0E-01		4.4E-01	1	UJI	pCi/L	GP	0
●		Sulfate		1,900		6,900	1	J1	µg/L	GE	0
		1,1,2,2-Tetrachloroethane		<2.0		<1.0	1		µg/L	GE	0
		Tetrachloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Tin, total recoverable		<100		<10	1		µg/L	GE	0
		Toluene		<2.0		<1.0	1		µg/L	GE	0
		Total activity		1.6E+05					pCi/L		
		Total dissolved solids		82,000		160,000	1		µg/L	GE	
●		Total organic carbon		1,100		<5,000	1	J1	µg/L	GE	0
●		Total organic halogens		<5.0		<10	1	J1	µg/L	GE	0
		1,1,1-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		Trichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Trichlorofluoromethane		<2.0		<1.0	1		µg/L	GE	0
		Tritium		1.5E+02		7.6E-01	1		pCi/mL	GP	0
		Zinc, total recoverable		7.9		32	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 10DR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76804.8 E57073.7	33.288765 °N 81.665706 °W	238.3-218.3 ft msl	300.4 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE	04/01/97	10/30/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation		230.1		223.6	ft msl
pH		6.2		6.0	pH
Sp. conductance		120		155	µS/cm
Water temperature		24.0		21.0	°C
Alkalinity as CaCO ₃		58		41	mg/L
Turbidity		11		28	NTU
Volume purged		0.0		0.58	well volume
Sampling code		X		X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)		37,000		38,000	1		µg/L	GE	
		Aluminum, total recoverable		55					µg/L		
		Antimony, total recoverable		<15		<10	1		µg/L	GE	0
		Arsenic, total recoverable		<10		<5.0	1		µg/L	GE	0
		Barium, total recoverable		68		55	1		µg/L	GE	0
		Benzene		<2.0		<1.0	1		µg/L	GE	0
		Boron, total recoverable		<500		<50	1		µg/L	GE	0
		Bromodichloromethane		<2.0		<1.0	1		µg/L	GE	0
		Bromoform		<2.0		<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)		<2.0		<1.0	1		µg/L	GE	0
		Cadmium, total recoverable		<10		0.27	1	JE	µg/L	GE	0
		Carbon tetrachloride		<2.0		<1.0	1		µg/L	GE	0
		Carbon-14		2.0E+02					pCi/L		
		Chlorobenzene		<2.0		<1.0	1		µg/L	GE	0
		Chloroethane		<2.0		<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)		<2.0		<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether		<5.0		<5.0	1		µg/L	GE	0
		Chloroform		<2.0		<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)		<2.0		<1.0	1		µg/L	GE	0
		Chromium, total recoverable		<20		2.6	1	JE	µg/L	GE	0
		Copper, total recoverable		<20		4.5	1	JE	µg/L	GE	0
		Dibromochloromethane		<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,2-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Dichloromethane		<5.0		<22	1	V	µg/L	GE	0
		1,2-Dichloropropane		<2.0		<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		Ethylbenzene		<2.0		<1.0	1		µg/L	GE	0
		Gross alpha		2.9E+00		5.5E+00	1		pCi/L	GP	0
		Iron, total recoverable		190					µg/L		
		Lead, total recoverable		11		13	1		µg/L	GE	0
		Lithium, total recoverable		<21		<25	1		µg/L	GE	0
		Manganese, total recoverable		12					µg/L		
		Mercury, total recoverable		<1.0		<0.20	1		µg/L	GE	0
		Nickel, total recoverable		7.1		6.3	1		µg/L	GE	0
		Nonvolatile beta		2.1E+00		2.9E+00	1		pCi/L	GP	0
		Phenols		<25		<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting		1.7E+00		1.6E+00	1		pCi/L	GP	0
		Selenium, total recoverable		<10		1.8	1	JE	µg/L	GE	0
		Silver, total recoverable		<10		<5.0	1		µg/L	GE	0
		Strontium-90		-1.8E-02		-6.2E-02	1	UJI	pCi/L	GP	0
●		Sulfate		<5,000		860	1	J1	µg/L	GE	0
		1,1,2,2-Tetrachloroethane		<2.0		<1.0	1		µg/L	GE	0
		Tetrachloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Tin, total recoverable		<100		<10	1		µg/L	GE	0
		Toluene		<2.0		<1.0	1		µg/L	GE	0
		Total dissolved solids		69,000		73,000	1		µg/L	GE	
●		Total organic carbon		<5,000		2,200	1	JE1	µg/L	GE	0
●		Total organic halogens		19		<10	1	J1	µg/L	GE	0
		1,1,1-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		Trichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Trichlorofluoromethane		<2.0		<1.0	1		µg/L	GE	0
■		Tritium		3.1E+01		2.7E+01	1		pCi/mL	GP	2
		Zinc, total recoverable		53		44	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 11DR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76849.3 E56650.4	33.288173 °N 81.666907 °W	233.0-213.1 ft msl	305.2 ft msl	2" PVC	V	Water Table (IIB2)

SAMPLE DATE 04/16/97 11/05/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation		229.3		228.4	ft msl
pH		3.8		4.0	pH
Sp. conductance		30		32	µS/cm
Water temperature		25.0		18.0	°C
Alkalinity as CaCO ₃		0		0	mg/L
Turbidity		1		2	NTU
Volume purged		5.3		24	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)		<1,000		54,000	1		µg/L	GE	
		Aluminum, total recoverable		95					µg/L		
		Antimony, total recoverable		<15		<10	1		µg/L	GE	0
		Arsenic, total recoverable		<10		<5.0	1		µg/L	GE	0
		Barium, total recoverable		6.8		11	1		µg/L	GE	0
		Benzene		<2.0		<1.0	1		µg/L	GE	0
		Boron, total recoverable		<500		<50	1		µg/L	GE	0
		Bromodichloromethane		<2.0		<1.0	1		µg/L	GE	0
		Bromoform		<2.0		<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)		<2.0		<1.0	1		µg/L	GE	0
		Cadmium, total recoverable		<10		0.22	1	JE	µg/L	GE	0
		Carbon tetrachloride		<2.0		<1.0	1		µg/L	GE	0
		Carbon-14		1.5E+00		-5.0E+00	1	UI	pCi/L	GP	0
		Chlorobenzene		<2.0		<1.0	1		µg/L	GE	0
		Chloroethane		<2.0		<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)		<2.0		<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether		<5.0		<5.0	1		µg/L	GE	0
		Chloroform		<2.0		<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)		<2.0		<1.0	1		µg/L	GE	0
		Chromium, total recoverable		<20		1.7	1	JE	µg/L	GE	0
		Copper, total recoverable		<20		65	1		µg/L	GE	0
		Dibromochloromethane		<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethane		<2.0		0.58	1	JE	µg/L	GE	0
		1,2-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Dichloromethane		<5.0		<1.0	1		µg/L	GE	0
		1,2-Dichloropropane		<2.0		<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		Ethylbenzene		<2.0		<1.0	1		µg/L	GE	0
		Gross alpha		1.2E+01		1.3E+01	1		pCi/L	GP	1
		Iron, total recoverable		<12					µg/L		
		Lead, total recoverable		<15		23	1		µg/L	GE	0
		Lithium, total recoverable		<25		<25	1		µg/L	GE	0
		Manganese, total recoverable		3.6					µg/L		
		Mercury, total recoverable		<1.0		<0.20	1		µg/L	GE	0
		Nickel, total recoverable		<20		2.8	1	JE	µg/L	GE	0
		Nonvolatile beta		4.4E+00		5.9E+00	1		pCi/L	GP	0
		Phenols		<25		<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting		3.8E+00		2.2E+00	1		pCi/L	GP	0
		Selenium, total recoverable		<10		<5.0	1		µg/L	GE	0
		Silver, total recoverable		<10		1.2	1	JE	µg/L	GE	0
■		Strontium-90		4.1E-01		6.4E+01	1	J	pCi/L	GP	2
		Sulfate		<5,000		390	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane		<2.0		<1.0	1		µg/L	GE	0
		Tetrachloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Tin, total recoverable		<100		<10	1		µg/L	GE	0
		Toluene		<2.0		<1.0	1		µg/L	GE	0
		Total activity		1.5E+07					pCi/L		
		Total dissolved solids		25,000		<30,000	1	V	µg/L	GE	0
		Total organic carbon		<5,000		<210	1	V	µg/L	GE	0
		Total organic halogens		23		<10	1		µg/L	GE	0
		1,1,1-Trichloroethane		<2.0		0.55	1	JE	µg/L	GE	0
		1,1,2-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		Trichloroethylene		<2.0		0.41	1	JE	µg/L	GE	0
		Trichlorofluoromethane		<2.0		<1.0	1		µg/L	GE	0
■		Tritium		1.4E+04		1.6E+04	1		pCi/mL	GP	2
		Zinc, total recoverable		<4.6		62	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 12AX

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76834.8 E56258.0	33.287501 °N 81.667912 °W	109.5-99.5 ft msl	312.8 ft msl	2" PVC	V	Congaree (IIA)

SAMPLE DATE	04/01/97	10/29/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation		156.8		156.6	ft msl
pH		6.6		7.1	pH
Sp. conductance		160		180	µS/cm
Water temperature		25.0		21.0	°C
Alkalinity as CaCO ₃		82		74	mg/L
Turbidity		1		1	NTU
Volume purged		3.0		2.5	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)		80,000		85,000	1		µg/L	GE	
		Antimony, total recoverable		<15		<10	1		µg/L	GE	0
		Arsenic, total recoverable		<10		<5.0	1		µg/L	GE	0
		Barium, total recoverable		23		22	1		µg/L	GE	0
		Benzene		<2.0		<1.0	1	J	µg/L	GE	0
		Boron, total recoverable		<500		<50	1		µg/L	GE	0
		Bromodichloromethane		<2.0		<1.0	1		µg/L	GE	0
		Bromoform		<2.0		<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)		<2.0		<1.0	1		µg/L	GE	0
		Cadmium, total recoverable		<10		0.25	1	JE	µg/L	GE	0
		Carbon tetrachloride		<2.0		<1.0	1		µg/L	GE	0
		Carbon-14		2.2E+00		3.0E+00	1	UI	pCi/L	GP	0
		Chlorobenzene		<2.0		<1.0	1		µg/L	GE	0
		Chloroethane		<2.0		<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)		<2.0		<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether		<5.0		<5.0	1		µg/L	GE	0
		Chloroform		<2.0		<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)		<2.0		<1.0	1		µg/L	GE	0
		Chromium, total recoverable		<20		0.95	1	JE	µg/L	GE	0
		Copper, total recoverable		<20		3.0	1	JE	µg/L	GE	0
		Dibromochloromethane		<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,2-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Dichloromethane		<5.0		<1.5	1	V	µg/L	GE	0
		1,2-Dichloropropane		<2.0		<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		Ethylbenzene		<2.0		<1.0	1		µg/L	GE	0
		Gross alpha		1.3E-01		9.8E-01	1		pCi/L	GP	0
		Lead, total recoverable		<15		<0.68	1	V	µg/L	GE	0
		Lithium, total recoverable		<25		<25	1		µg/L	GE	0
		Mercury, total recoverable		<1.0		2.1	1		µg/L	GE	2
		Nickel, total recoverable		<20		<5.0	1		µg/L	GE	0
		Nonvolatile beta		6.8E-01		1.6E+00	1		pCi/L	GP	0
		Phenols		<25		<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting		1.0E-01		1.0E-01	1	UI	pCi/L	GP	0
		Selenium, total recoverable		<10		<3.0	1	V	µg/L	GE	0
		Silver, total recoverable		<10		0.91	1	JE	µg/L	GE	0
		Strontium-90		4.6E-02		1.4E-01	1	UI	pCi/L	GP	0
●		Sulfate		7,800		8,400	1	J1	µg/L	GE	0
		1,1,2,2-Tetrachloroethane		<2.0		<1.0	1		µg/L	GE	0
		Tetrachloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Tin, total recoverable		<100		<10	1		µg/L	GE	0
		Toluene		<2.0		<1.0	1		µg/L	GE	0
		Total dissolved solids		140,000		140,000	1		µg/L	GE	0
		Total organic carbon		<5,000		<5,000	1		µg/L	GE	0
●		Total organic halogens		<5.9		<10	1	J1	µg/L	GE	0
		1,1,1-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		Trichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Trichlorofluoromethane		<2.0		<1.0	1		µg/L	GE	0
		Tritium		3.4E-01		3.4E-01	1	UI	pCi/mL	GP	0
		Zinc, total recoverable		<5.9		6.3	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 12CX

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76834.5 E56230.4	33.287455 °N 81.667984 °W	151.2-141.2 ft msl	313.3 ft msl	2" PVC	V	Barnwell/McBean (IIB1)

SAMPLE DATE 04/21/97 11/03/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation		229.1		228.2	ft msl
pH		5.2		5.2	pH
Sp. conductance		240		58	µS/cm
Water temperature		30.0		23.0	°C
Alkalinity as CaCO ₃		10		13	mg/L
Turbidity		3		2	NTU
Volume purged		0.0		2.3	well volume
Sampling code		X			

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)		10,000		9,800	1		µg/L	GE	
		Antimony, total recoverable		<15		<10	1		µg/L	GE	0
		Arsenic, total recoverable		<10		<5.0	1		µg/L	GE	0
		Barium, total recoverable		5.8		5.3	1		µg/L	GE	0
		Benzene		<2.0		<1.0	1		µg/L	GE	0
		Boron, total recoverable		<500		<50	1		µg/L	GE	0
		Bromodichloromethane		<2.0		<1.0	1		µg/L	GE	0
		Bromoform		<2.0		<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)		<2.0		<1.0	1		µg/L	GE	0
		Cadmium, total recoverable		<10		<5.0	1		µg/L	GE	0
		Carbon tetrachloride		<2.0		<1.0	1		µg/L	GE	0
		Carbon-14		-7.1E-01		1.1E+01	1	UI	pCi/L	GP	0
		Chlorobenzene		<2.0		<1.0	1		µg/L	GE	0
		Chloroethane		<2.0		<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)		<2.0		<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether		<5.0		<5.0	1		µg/L	GE	0
		Chloroform		<2.0		<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)		<2.0		<1.0	1		µg/L	GE	0
		Chromium, total recoverable		<20		3.8	1	JE	µg/L	GE	0
		Copper, total recoverable		4.9		3.3	1	JE	µg/L	GE	0
		Dibromochloromethane		<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,2-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Dichloromethane		<5.0		<1.0	1		µg/L	GE	0
		1,2-Dichloropropane		<2.0		<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		Ethylbenzene		<2.0		<1.0	1		µg/L	GE	0
		Gross alpha		1.6E+00		6.7E-01	1		pCi/L	GP	0
		Lead, total recoverable		5.8		0.91	1	JE	µg/L	GE	0
		Lithium, total recoverable		<25		<25	1		µg/L	GE	0
		Mercury, total recoverable		<1.0		<0.20	1		µg/L	GE	0
		Nickel, total recoverable		<20		3.6	1	JE	µg/L	GE	0
		Nonvolatile beta		1.4E+00		8.3E-01	1		pCi/L	GP	0
		Phenols		<25		<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting		2.0E-01		4.0E-01	1		pCi/L	GP	0
		Selenium, total recoverable		<10		<5.0	1		µg/L	GE	0
		Silver, total recoverable		<10		<5.0	1		µg/L	GE	0
		Strontium-90		5.2E-02		2.4E-01	1	UJI	pCi/L	GP	0
		Sulfate		2,500		1,300	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane		<2.0		<1.0	1		µg/L	GE	0
		Tetrachloroethylene		1.0		<1.0	1		µg/L	GE	0
		Tin, total recoverable		<100		<10	1		µg/L	GE	0
		Toluene		<2.0		<1.0	1		µg/L	GE	0
		Total dissolved solids		46,000		48,000	1		µg/L	GE	
		Total organic carbon		<5,000		<5,000	1		µg/L	GE	0
		Total organic halogens		86		560	10		µg/L	GE	2
		1,1,1-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		Trichloroethylene		260		<1.0	1		µg/L	GE	0
		Trichlorofluoromethane		1.3		<1.0	1		µg/L	GE	0
■		Tritium		8.5E+01		7.1E+02	1		pCi/mL	GP	2
		Zinc, total recoverable		28		15	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 12DR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76834.6 E56214.7	33.267430 °N 81.668026 °W	232.8-212.7 ft msl	313.6 ft msl	2" PVC	V	Water Table (IIB2)

SAMPLE DATE	04/02/97	10/29/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation		218.5		217.9	ft msl
pH		11.0		10.5	pH
Sp. conductance		920		270	µS/cm
Water temperature		25.0		19.8	°C
Alkalinity as CaCO ₃		186		132	mg/L
Turbidity		4		1	NTU
Volume purged		6.4		9.4	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
●		Acenaphthene				<10	1	J1	µg/L	GE	0
●		Acenaphthylene				<10	1	J1	µg/L	GE	0
		Acetone				<5.0	1		µg/L	GE	0
		Acetonitrile (Methyl cyanide)				<5.0	1		µg/L	GE	0
●		Acetophenone				<10	1	J1	µg/L	GE	0
●		2-Acetylaminofluorene				<10	1	J1	µg/L	GE	0
		Acrolein				<10	1		µg/L	GE	0
		Acrylonitrile				<10	1		µg/L	GE	0
		Actinium-228				6.8E+00	1	UI	pCi/L	GP	0
		Aldrin				<0.020	1		µg/L	GE	0
		Alkalinity (as CaCO ₃)		210,000		79,000	1		µg/L	GE	0
		Allyl chloride				<5.0	1		µg/L	GE	0
		Aluminum, total recoverable		170					µg/L		
		Americium-241				-3.3E-02	1	UI	pCi/L	GP	0
●		4-Aminobiphenyl				<10	1	J1	µg/L	GE	0
●		Aniline				<10	1	J1	µg/L	GE	0
●		Anthracene				<10	1	J1	µg/L	GE	0
		Antimony, total recoverable		<15		<10	1		µg/L	GE	0
		Antimony-125				-5.9E-01	1	UI	pCi/L	GP	0
●		Aramite				<10	1	J1	µg/L	GE	0
		Arsenic, total recoverable		<10		<5.0	1		µg/L	GE	0
		Barium, total recoverable		130		65	1		µg/L	GE	0
		Benzene		<2.0		<1.0	1		µg/L	GE	0
		alpha-Benzene hexachloride				<0.020	1		µg/L	GE	0
		beta-Benzene hexachloride				<0.020	1		µg/L	GE	0
		delta-Benzene hexachloride				<0.020	1		µg/L	GE	0
●		Benzo(a)anthracene				<10	1	J1	µg/L	GE	0
●		Benzo(b)fluoranthene				<10	1	J1	µg/L	GE	0
●		Benzo(k)fluoranthene				<10	1	J1	µg/L	GE	0
●		Benzo(g,h,i)perylene				<10	1	J1	µg/L	GE	0
●		Benzo(a)pyrene				<10	1	J1	µg/L	GE	0
●		Benzyl alcohol				<10	1	J1	µg/L	GE	0
		Beryllium, total recoverable				<5.0	1		µg/L	GE	0
●		Bis(2-chloroethoxy) methane				<10	1	J1	µg/L	GE	0
●		Bis(2-chloroethyl) ether				<10	1	J1	µg/L	GE	0
		Bis(2-chloroisopropyl) ether				<10	1		µg/L	GE	0
●		Bis(2-ethylhexyl) phthalate				<10	1	J1	µg/L	GE	0
		Boron, total recoverable		18		20	1	JE	µg/L	GE	0
		Bromodichloromethane		<2.0		<1.0	1		µg/L	GE	0
		Bromoform		<2.0		<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)		<2.0		<1.0	1		µg/L	GE	0
●		4-Bromophenyl phenyl ether				<10	1	J1	µg/L	GE	0
●		Butylbenzyl phthalate				<10	1	J1	µg/L	GE	0
●		2-sec-Butyl-4,6-dinitrophenol				<10	1	J1	µg/L	GE	0
		Cadmium, total recoverable		<10		<5.0	1		µg/L	GE	0
		Carbon disulfide				<5.0	1		µg/L	GE	0
		Carbon tetrachloride		<2.0		<1.0	1		µg/L	GE	0
		Carbon-14		1.6E-01		-1.1E-01	1	UI	pCi/L	GP	0
		Cerium-144				2.3E+01	1	UI	pCi/L	GP	0
		Cesium-134				1.4E+00	1	UI	pCi/L	GP	0
		Cesium-137				5.2E-01	1	UI	pCi/L	GP	0
		Chlordane				<0.10	1		µg/L	GE	0
●		4-Chloroaniline				<20	1	J1	µg/L	GE	0
●		Chlorobenzene		<2.0		<1.0	1		µg/L	GE	0
●		Chlorobenzilate				<10	1	J1	µg/L	GE	0
●		4-Chloro-m-cresol				<10	1	J1	µg/L	GE	0
		Chloroethane		<2.0		<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)		<2.0		<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether		<5.0					µg/L		

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 12DR (cont.)

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Chloroform		<2.0		<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)		<2.0		<1.0	1		µg/L	GE	0
•		2-Chloronaphthalene				<10	1	J1	µg/L	GE	0
•		2-Chlorophenol				<10	1	J1	µg/L	GE	0
•		4-Chlorophenyl phenyl ether				<10	1	J1	µg/L	GE	0
		Chloroprene				<2.0	1		µg/L	GE	0
		Chromium, total recoverable		<20		2.1	1	JE	µg/L	GE	0
•		Chrysene				<10	1	J1	µg/L	GE	0
		Cobalt, total recoverable				<5.0	1		µg/L	GE	0
		Cobalt-57				1.1E+00	1	UI	pCi/L	GP	0
		Cobalt-60				-5.1E-01	1	UI	pCi/L	GP	0
		Copper, total recoverable		<20		6.5	1		µg/L	GE	0
•		m/p-Cresol				<10	1	J1	µg/L	GE	0
•		o-Cresol (2-Methylphenol)				<10	1	J1	µg/L	GE	0
		Curium-242				-2.4E-02	1	UI	pCi/L	GP	0
		Curium-243/244				-3.4E-02	1	UI	pCi/L	GP	0
		Curium-245/246				2.1E-02	1	UI	pCi/L	GP	0
		Cyanide				<10	1		µg/L	GE	0
		p,p'-DDD				<0.040	1		µg/L	GE	0
		p,p'-DDE				<0.040	1		µg/L	GE	0
		p,p'-DDT				<0.040	1		µg/L	GE	0
•		Diallate				<10	1	J1	µg/L	GE	0
•		Dibenz(a,h)anthracene				<10	1	J1	µg/L	GE	0
•		Dibenzofuran				<10	1	J1	µg/L	GE	0
		Dibromochloromethane		<2.0		<1.0	1		µg/L	GE	0
		1,2-Dibromo-3-chloropropane				<1.0	1		µg/L	GE	0
		1,2-Dibromoethane				<1.0	1		µg/L	GE	0
		Dibromomethane (Methylene bromide)				<1.0	1		µg/L	GE	0
•		Di-n-butyl phthalate				<10	1	J1	µg/L	GE	0
•		1,2-Dichlorobenzene				<10	1	J1	µg/L	GE	0
•		1,3-Dichlorobenzene				<10	1	J1	µg/L	GE	0
•		1,4-Dichlorobenzene				<10	1	J1	µg/L	GE	0
•		3,3'-Dichlorobenzidine				<50	1	J1	µg/L	GE	0
		trans-1,4-Dichloro-2-butene				<5.0	1		µg/L	GE	0
		Dichlorodifluoromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,2-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Dichloromethane		<5.0		<1.0	1		µg/L	GE	0
•		2,4-Dichlorophenol				<10	1	J1	µg/L	GE	0
•		2,6-Dichlorophenol				<10	1	J1	µg/L	GE	0
		2,4-Dichlorophenoxyacetic acid				<0.10	10		µg/L	GE	0
		1,2-Dichloropropane		<2.0		<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
•		Dieldrin				<0.040	1		µg/L	GE	0
•		Diethyl phthalate				<10	1	J1	µg/L	GE	0
•		Dimethoate				<10	1	J1	µg/L	GE	0
•		2,4-Dimethyl phenol				<10	1	J1	µg/L	GE	0
•		Dimethyl phthalate				<10	1	J1	µg/L	GE	0
•		p-Dimethylaminoazobenzene				<10	1	J1	µg/L	GE	0
•		7,12-Dimethylbenz(a)anthracene				<10	1	J1	µg/L	GE	0
•		3,3'-Dimethylbenzidine				<10	1	J1	µg/L	GE	0
•		a,a-Dimethylphenethylamine				<10	1	J1	µg/L	GE	0
•		1,3-Dinitrobenzene				<10	1	J1	µg/L	GE	0
•		2,4-Dinitrophenol				<20	1	J1	µg/L	GE	0
•		2,4-Dinitrotoluene				<10	1	J1	µg/L	GE	0
•		2,6-Dinitrotoluene				<10	1	J1	µg/L	GE	0
•		Di-n-octyl phthalate				<10	1	J1	µg/L	GE	0
•		1,4-Dioxane				<10	1	J1	µg/L	GE	0
•		Diphenylamine				<10	1	J1	µg/L	GE	0
•		Disulfoton				<10	1	J1	µg/L	GE	0
		Endosulfan sulfate				<0.040	1		µg/L	GE	0
		Endosulfan I				<0.020	1		µg/L	GE	0
		Endosulfan II				<0.040	1		µg/L	GE	0
		Endrin				<0.040	1		µg/L	GE	0
		Endrin aldehyde				<0.040	1		µg/L	GE	0
•		Ethyl methacrylate				<10	1	J1	µg/L	GE	0
•		Ethyl methanesulfonate				<10	1	J1	µg/L	GE	0
		Ethylbenzene		<2.0		<1.0	1		µg/L	GE	0
		Europium-152				-8.7E-01	1	UI	pCi/L	GP	0
		Europium-154				-1.8E+00	1	UI	pCi/L	GP	0
		Europium-155				-3.6E+00	1	UI	pCi/L	GP	0
•		Famphur				<10	1	J1	µg/L	GE	0
•		Fluoranthene				<10	1	J1	µg/L	GE	0
•		Fluorene				<10	1	J1	µg/L	GE	0
		Gross alpha		9.8E-01		4.2E-01	1	UI	pCi/L	GP	0
		Heptachlor				<0.020	1		µg/L	GE	0
		Heptachlor epoxide				<0.020	1		µg/L	GE	0
•		Hexachlorobenzene				<10	1	J1	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

• = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 12DR (cont.)

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
●		Hexachlorobutadiene				<10	1	J1	µg/L	GE	0
●		Hexachlorocyclopentadiene				<10	1	J1	µg/L	GE	0
●		Hexachloroethane				<10	1	J1	µg/L	GE	0
●		Hexachlorophene				<500	1	J1	µg/L	GE	0
●		Hexachloropropene				<10	1	J1	µg/L	GE	0
		2-Hexanone				<5.0	1		µg/L	GE	0
		1,2,3,4,6,7,8-HPCDD				<0.010	1		µg/L	GE	0
		1,2,3,4,6,7,8-HPCDF				<0.010	1		µg/L	GE	0
		1,2,3,4,7,8-HXCDD				<0.010	1		µg/L	GE	0
		1,2,3,4,7,8-HXCDF				<0.010	1		µg/L	GE	0
●		Indeno(1,2,3-c,d)pyrene				<10	1	J1	µg/L	GE	0
		Iodomethane (Methyl iodide)				<5.0	1		µg/L	GE	0
		Iron, total recoverable	27						µg/L		
		Isobutyl alcohol				<10	1		µg/L	GE	0
●		Isodrin				<10	1	J1	µg/L	GE	0
●		Isophorone				<10	1	J1	µg/L	GE	0
●		Isosafrole				<10	1	J1	µg/L	GE	0
●		Kepone				<10	1	J1	µg/L	GE	0
		Lead, total recoverable	<15			9.3	1	V	µg/L	GE	0
		Lead-212				5.9E-01	1	UI	pCi/L	GP	0
		Lindane				<0.020	1		µg/L	GE	0
		Lithium, total recoverable	34			<25	1		µg/L	GE	0
		Manganese, total recoverable	13						µg/L		
		Manganese-54				8.0E-01	1	UI	pCi/L	GP	0
		Mercury, total recoverable	<1.0			<0.12	1	V	µg/L	GE	0
		Methacrylonitrile				<5.0	1		µg/L	GE	0
●		Methapyrilene				<10	1	J1	µg/L	GE	0
		Methoxychlor				<0.20	1		µg/L	GE	0
●		2-Methyl-4,6-dinitrophenol				<10	1	J1	µg/L	GE	0
		Methyl ethyl ketone				<5.0	1		µg/L	GE	0
		Methyl isobutyl ketone				<5.0	1		µg/L	GE	0
		Methyl methacrylate				<5.0	1		µg/L	GE	0
●		Methyl methanesulfonate				<10	1	J1	µg/L	GE	0
●		3-Methylcholanthrene				<10	1	J1	µg/L	GE	0
●		2-Methylnaphthalene				<10	1	J1	µg/L	GE	0
●		Naphthalene				<10	1	J1	µg/L	GE	0
●		1,4-Naphthoquinone				<10	1	J1	µg/L	GE	0
●		1-Naphthylamine				<10	1	J1	µg/L	GE	0
●		2-Naphthylamine				<10	1	J1	µg/L	GE	0
		Neptunium-237				1.2E-02	1	UI	pCi/L	GP	0
		Nickel, total recoverable	<20			<5.0	1		µg/L	GE	0
●		m-Nitroaniline				<10	1	J1	µg/L	GE	0
●		o-Nitroaniline				<10	1	J1	µg/L	GE	0
●		p-Nitroaniline				<10	1	J1	µg/L	GE	0
●		Nitrobenzene				<10	1	J1	µg/L	GE	0
●		2-Nitrophenol				<10	1	J1	µg/L	GE	0
●		4-Nitrophenol				<20	1	J1	µg/L	GE	0
●		4-Nitroquinoline-1-oxide				<10	1	J1	µg/L	GE	0
●		N-Nitrosodi-n-butylamine				<10	1	J1	µg/L	GE	0
●		N-Nitrosodiethylamine				<10	1	J1	µg/L	GE	0
●		N-Nitrosodimethylamine				<10	1	J1	µg/L	GE	0
●		N-Nitrosodiphenylamine				<10	1	J1	µg/L	GE	0
●		N-Nitrosodipropylamine				<10	1	J1	µg/L	GE	0
●		N-Nitrosomethylethylamine				<10	1	J1	µg/L	GE	0
●		N-Nitrosomorpholine				<10	1	J1	µg/L	GE	0
●		N-Nitrosopiperidine				<10	1	J1	µg/L	GE	0
●		N-Nitrosopyrrolidine				<10	1	J1	µg/L	GE	0
●		5-Nitro-o-toluidine				<10	1	J1	µg/L	GE	0
		Nonvolatile beta	1.5E+01			9.4E+00	1		pCi/L	GP	0
		Octachlorodibenzo-p-dioxin				<0.010	1		µg/L	GE	0
		Octachlorodibenzo-p-furan				<0.010	1		µg/L	GE	0
		Parathion				<0.050	1		µg/L	GE	0
		Parathion methyl				<0.050	1		µg/L	GE	0
		PCB 1016				<0.13	1		µg/L	GE	0
		PCB 1221				<0.13	1		µg/L	GE	0
		PCB 1232				<0.13	1		µg/L	GE	0
		PCB 1242				<0.13	1		µg/L	GE	0
		PCB 1248				<0.13	1		µg/L	GE	0
		PCB 1254				<0.13	1		µg/L	GE	0
		PCB 1260				<0.13	1		µg/L	GE	0
		1,2,3,7,8-PCDD				<0.010	1		µg/L	GE	0
		1,2,3,7,8-PCDF				<0.0010	1		µg/L	GE	0
●		Pentachlorobenzene				<10	1	J1	µg/L	GE	0
●		Pentachloroethane				<10	1	J1	µg/L	GE	0
●		Pentachloronitrobenzene				<10	1	J1	µg/L	GE	0
●		Pentachlorophenol				<10	1	J1	µg/L	GE	0
●		Phenacetin				<10	1	J1	µg/L	GE	0
●		Phenanthrene				<10	1	J1	µg/L	GE	0
●		Phenol				<10	1	J1	µg/L	GE	0
●		Phenols	<25			<5.0	1		µg/L	GE	0
●		p-Phenylenediamine				<10	1	J1	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 12DR (cont.)

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
●		Phorate				<0.050	1		µg/L	GE	0
●		2-Picoline				<10	1	J1	µg/L	GE	0
		Plutonium-238				3.0E-02	1	UI	pCi/L	GP	0
		Plutonium-239/240				1.4E-01	1		pCi/L	GP	0
		Potassium-40				3.9E+01	1	UI	pCi/L	GP	0
		Promethium-144				3.0E-01	1	UI	pCi/L	GP	0
		Promethium-146				7.4E-01	1	UI	pCi/L	GP	0
●		Pronamid				<10	1	J1	µg/L	GE	0
●		Propionitrile				<10	1		µg/L	GE	0
●		Pyrene				<10	1	J1	µg/L	GE	0
●		Pyridine				<10	1	J1	µg/L	GE	0
		Radium, total alpha-emitting		1.0E-01		2.0E-01	1	UI	pCi/L	GP	0
●		Ruthenium-106				-1.0E+00	1	UI	pCi/L	GP	0
●		Safrole				<10	1	J1	µg/L	GE	0
		Selenium, total recoverable		<10		<5.0	1		µg/L	GE	0
		Silver, total recoverable		<10		0.90	1	JE	µg/L	GE	0
		Sodium-22				-6.4E-01	1	UI	pCi/L	GP	0
		Strontium-90		1.5E-01		-6.1E-02	1	UI	pCi/L	GP	0
		Styrene				<1.0	1		µg/L	GE	0
●		Sulfate		29,000		23,000	5	J1	µg/L	GE	0
●		Sulfide				<10,000	1		µg/L	GE	0
●		Sulfotep				<10	1	J1	µg/L	GE	0
		2,4,5-T				<0.10	10		µg/L	GE	0
		2,3,7,8-TCDD				<0.010	1		µg/L	GE	0
		2,3,7,8-TCDF				<0.010	1		µg/L	GE	0
●		1,2,4,5-Tetrachlorobenzene				<10	1	J1	µg/L	GE	0
		1,1,1,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane		<2.0		<1.0	1		µg/L	GE	0
		Tetrachloroethylene		<2.0		<1.0	1		µg/L	GE	0
●		2,3,4,6-Tetrachlorophenol				<10	1	J1	µg/L	GE	0
●		Thallium, total recoverable				<5.0	1		µg/L	GE	0
●		Thionazin				<10	1	J1	µg/L	GE	0
		Thorium-228				9.0E-01	1		pCi/L	GP	0
		Thorium-230				5.2E-02	1	UI	pCi/L	GP	0
		Thorium-232				6.5E-03	1	UI	pCi/L	GP	0
		Tin, total recoverable		<100		<10	1		µg/L	GE	0
●		Toluene		3.0		<1.0	1		µg/L	GE	0
●		o-Toluidine				<10	1	J1	µg/L	GE	0
		Total dissolved solids		300,000		200,000	1		µg/L	GE	0
●		Total organic carbon		<5,000		<5,000	1		µg/L	GE	0
●		Total organic halogens		17		<5.8	1	JV1	µg/L	GE	0
		Toxaphene				<1.0	1		µg/L	GE	0
●		2,4,5-TP (Silvex)				<0.10	10	J	µg/L	GE	0
●		1,2,4-Trichlorobenzene				<10	1	J1	µg/L	GE	0
		1,1,1-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		Trichloroethylene		<2.0		0.89	1	JE	µg/L	GE	0
		Trichlorofluoromethane		<2.0		<1.0	1		µg/L	GE	0
●		2,4,5-Trichlorophenol				<10	1	J1	µg/L	GE	0
●		2,4,6-Trichlorophenol				<10	1	J1	µg/L	GE	0
●		1,2,3-Trichloropropane				<1.0	1		µg/L	GE	0
●		O,O,O-Triethyl phosphorothioate				<10	1	J1	µg/L	GE	0
●		1,3,5-Trinitrobenzene				<10	1	J1	µg/L	GE	0
		Tritium		9.6E-01		2.1E+00	1		pCi/mL	GP	0
		Uranium-233/234				1.4E-01	1		pCi/L	GP	0
		Uranium-235				2.4E-02	1	UI	pCi/L	GP	0
		Uranium-238				8.4E-02	1		pCi/L	GP	0
		Vanadium, total recoverable				17	1		µg/L	GE	0
		Vinyl acetate				<5.0	1		µg/L	GE	0
		Xylenes				<1.0	1		µg/L	GE	0
		Yttrium-88				-2.5E+00	1	UI	pCi/L	GP	0
		Zinc, total recoverable		9.7		3.5	1	JE	µg/L	GE	0
		Zinc-65				-2.0E+00	1	UI	pCi/L	GP	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 13DR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76824.7 E55840.4	33.286797 °N 81.668992 °W	220.3-210.3 ft msl	319.3 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE	04/15/97	11/04/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation		228.8		228.3	ft msl
pH		9.6		4.2	pH
Sp. conductance		180		260	µS/cm
Water temperature		27.0		18.0	°C
Alkalinity as CaCO ₃		55		0	mg/L
Turbidity		3		3	NTU
Volume purged		0.0		0.085	well volume
Sampling code		X		X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)		22,000		28,000	1		µg/L	GE	
		Antimony, total recoverable		<15		<10	1		µg/L	GE	0
		Arsenic, total recoverable		<10		<5.0	1		µg/L	GE	0
		Barium, total recoverable		52		44	1		µg/L	GE	0
		Benzene		<2.0		<1.0	1		µg/L	GE	0
		Boron, total recoverable		30		<50	1		µg/L	GE	0
		Bromodichloromethane		<2.0		<1.0	1		µg/L	GE	0
		Bromoform		<2.0		<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)		<2.0		<1.0	1		µg/L	GE	0
		Cadmium, total recoverable		<10		<5.0	1		µg/L	GE	0
		Carbon tetrachloride		<2.0		<1.0	1		µg/L	GE	0
		Carbon-14		1.4E+00		-5.9E+00	1	UI	pCi/L	GP	0
		Chlorobenzene		<2.0		<1.0	1		µg/L	GE	0
		Chloroethane		<2.0		<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)		<2.0		<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether		<5.0		<5.0	1		µg/L	GE	0
		Chloroform		<2.0		<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)		<2.0		<1.0	1		µg/L	GE	0
		Chromium, total recoverable		8.2		9.4	1		µg/L	GE	0
		Copper, total recoverable		5.4		4.4	1	JE	µg/L	GE	0
		Dibromochloromethane		<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,2-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Dichloromethane		<5.0		<1.0	1		µg/L	GE	0
		1,2-Dichloropropane		<2.0		<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		Ethylbenzene		<2.0		<1.0	1		µg/L	GE	0
		Gross alpha		1.3E+00		2.3E+00	1		pCi/L	GP	0
		Lead, total recoverable		12		8.8	1		µg/L	GE	0
		Lithium, total recoverable		20		18	1	JE	µg/L	GE	0
		Manganese, total recoverable		21					µg/L	GE	0
		Mercury, total recoverable		<1.0		<0.20	1		µg/L	GE	0
		Nickel, total recoverable		<20		3.4	1	JE	µg/L	GE	0
		Nonvolatile beta		1.7E+00		2.5E+00	1		pCi/L	GP	0
		Phenols		<25		<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting		7.0E-01		2.0E-01	1	UI	pCi/L	GP	0
		Selenium, total recoverable		<10		<1.6	1	V	µg/L	GE	0
		Silver, total recoverable		<10		<5.0	1		µg/L	GE	0
		Strontium-90		1.9E-01		4.1E-01	1	UI	pCi/L	GP	0
		Sulfate		3,200		2,900	1	V	µg/L	GE	0
		1,1,2,2-Tetrachloroethane		<2.0		<1.0	1		µg/L	GE	0
		Tetrachloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Tin, total recoverable		<100		<10	1		µg/L	GE	0
		Toluene		<2.0		<1.0	1		µg/L	GE	0
		Total dissolved solids		53,000		47,000	1		µg/L	GE	0
		Total organic carbon		<5,000		160	1	JE	µg/L	GE	0
		Total organic halogens		10		<10	1		µg/L	GE	0
		1,1,1-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		Trichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Trichlorofluoromethane		<2.0		<1.0	1		µg/L	GE	0
		Tritium		4.4E+01		7.0E+01	1		pCi/mL	GP	2
		Zinc, total recoverable		22		12	1	J	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 14AR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76351.8 E55788.9	33.285667 °N 81.668209 °W	106.8-96.8 ft msl	300.7 ft msl	4" PVC	S	U. Congaree (IIA)

SAMPLE DATE	04/01/97	11/03/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation		158.3		158.2	ft msl
pH		10.0		10.4	pH
Sp. conductance		220		300	µS/cm
Water temperature		24.0		20.5	°C
Alkalinity as CaCO ₃		107		133	mg/L
Turbidity		1		3	NTU
Volume purged		3.1		2.7	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)		110,000		110,000	1		µg/L	WA	
		Antimony, total recoverable		<15		<10	1		µg/L	GE	0
		Arsenic, total recoverable		4.1		<5.0	1		µg/L	GE	0
		Barium, total recoverable		100		160	1	V	µg/L	WA	0
		Benzene		<2.0		<1.0	1		µg/L	GE	0
		Boron, total recoverable		<500		<50	1		µg/L	GE	0
		Bromodichloromethane		<2.0		<1.0	1		µg/L	GE	0
		Bromoform		<2.0		<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)		<2.0		<1.0	1		µg/L	GE	0
		Cadmium, total recoverable		<10		<4.7	1		µg/L	WA	0
		Carbon tetrachloride		<2.0		<1.0	1		µg/L	GE	0
		Carbon-14		1.4E+00		-1.2E+00	1	UI	pCi/L	GP	0
		Chlorobenzene		<2.0		<1.0	1		µg/L	GE	0
		Chloroethane		<2.0		<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)		<2.0		<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether		<5.0		<5.0	1		µg/L	GE	0
		Chloroform		<2.0		<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)		<2.0		<1.0	1		µg/L	GE	0
		Chromium, total recoverable		<20		1.9	1	JE	µg/L	GE	0
		Copper, total recoverable		<20		<5.0	1		µg/L	GE	0
		Dibromochloromethane		<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,2-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Dichloromethane		<5.0		0.69	1	JE	µg/L	GE	0
		1,2-Dichloropropane		<2.0		<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		Ethylbenzene		<2.0		<1.0	1		µg/L	GE	0
		Gross alpha		9.2E-01		3.3E+00	1		pCi/L	TM	0
		Lead, total recoverable		<15		<5.0	1		µg/L	GE	0
		Lithium, total recoverable		<13		38	1		µg/L	GE	0
		Mercury, total recoverable		<1.0		0.10	1	JE	µg/L	GE	0
		Nickel, total recoverable		<20		3.1	1	JE	µg/L	WA	0
		Nonvolatile beta		3.2E+00		5.1E+00	1		pCi/L	TM	0
		Phenols		<25		7.5	1	JE	µg/L	WA	0
		Radium, total alpha-emitting		7.0E-01		1.5E+00	1		pCi/L	TM	0
		Selenium, total recoverable		<10		<1.9	1	V	µg/L	GE	0
		Silver, total recoverable		<10		<5.0	1		µg/L	GE	0
		Strontium-90		-1.7E-01		-3.0E-02	1	UI	pCi/L	GP	0
		Sulfate		3,300		3,400	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane		<2.0		<1.0	1		µg/L	GE	0
		Tetrachloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Tin, total recoverable		<100		<10	1		µg/L	GE	0
		Toluene		<2.0		<1.0	1		µg/L	GE	0
		Total dissolved solids		150,000		140,000	1		µg/L	GE	0
		Total organic carbon		<5,000		1,800	1		µg/L	WA	0
		Total organic halogens		15		<10	1		µg/L	GE	0
		1,1,1-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		Trichloroethylene		<2.0		1.0	1	JE	µg/L	WA	0
		Trichlorofluoromethane		<2.0		<1.0	1		µg/L	GE	0
		Tritium		1.5E+00		2.6E+00	1		pCi/mL	TM	0
		Xylenes				<5.0	1		µg/L	WA	0
		Zinc, total recoverable		<2.7		1.2	1	JE	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 14CR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76337.8 E55789.0	33.285636 °N 81.668181 °W	200.1-190.1 ft msl	300.5 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE	04/15/97	10/27/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation		221.4		220.7	ft msl
pH		4.4		5.6	pH
Sp. conductance		240		48	µS/cm
Water temperature		25.0		20.0	°C
Alkalinity as CaCO ₃		0		14	mg/L
Turbidity		6		12	NTU
Volume purged		0.0		0.050	well volume
Sampling code		X		X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)		11,000		15,000	1		µg/L	GE	
		Antimony, total recoverable		3.2		<10	1		µg/L	GE	0
		Arsenic, total recoverable		<10		<5.0	1		µg/L	GE	0
		Barium, total recoverable		12		12	1		µg/L	GE	0
		Benzene		<2.0		<1.0	1		µg/L	GE	0
		Boron, total recoverable		22		<50	1		µg/L	GE	0
		Bromodichloromethane		<2.0		<1.0	1		µg/L	GE	0
		Bromoform		<2.0		<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)		<2.0		<1.0	1		µg/L	GE	0
		Cadmium, total recoverable		<10		<5.0	1		µg/L	GE	0
		Carbon tetrachloride		<2.0		<1.0	1		µg/L	GE	0
		Carbon-14		-7.8E-01		-1.3E+01	1	UI	pCi/L	GP	0
		Chlorobenzene		<2.0		<1.0	1		µg/L	GE	0
		Chloroethane		<2.0		<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)		<2.0		<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether		<5.0		<5.0	1		µg/L	GE	0
		Chloroform		<2.0		<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)		<2.0		<1.0	1		µg/L	GE	0
		Chromium, total recoverable		5.6		2.8	1	JE	µg/L	GE	0
		Copper, total recoverable		4.0		4.1	1	JE	µg/L	GE	0
		Dibromochloromethane		<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,2-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene		<2.0		0.86	1	JE	µg/L	GE	0
		trans-1,2-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Dichloromethane		<5.0		<1.0	1		µg/L	GE	0
		1,2-Dichloropropane		<2.0		<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		Ethylbenzene		<2.0		<1.0	1		µg/L	GE	0
		Gross alpha		8.4E-01		8.2E-01	1		pCi/L	GP	0
		Lead, total recoverable		5.8		4.1	1	JE	µg/L	GE	0
		Lithium, total recoverable		22		19	1	JE	µg/L	GE	0
		Mercury, total recoverable		<1.0		0.16	1	JE	µg/L	GE	0
		Nickel, total recoverable		<20		<5.0	1		µg/L	GE	0
		Nonvolatile beta		2.6E+00		3.3E+00	1		pCi/L	GP	0
		Phenols		<25		<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting		5.0E-01		2.0E-01	1	UI	pCi/L	GP	0
		Selenium, total recoverable		<10		<5.0	1		µg/L	GE	0
		Silver, total recoverable		<10		<5.0	1		µg/L	GE	0
		Strontium-90		-5.7E-01		-5.2E-01	1	UI	pCi/L	GP	0
		Sulfate		2,000		1,700	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane		<2.0		<1.0	1		µg/L	GE	0
		Tetrachloroethylene		<2.0		1.1	1		µg/L	GE	0
		Tin, total recoverable		<100		<10	1		µg/L	GE	0
		Toluene		<2.0		<1.0	1		µg/L	GE	0
		Total dissolved solids		45,000		38,000	1		µg/L	GE	0
		Total organic carbon		<5,000		<5,000	1		µg/L	GE	0
		Total organic halogens		25		45	1	JV1	µg/L	GE	0
		1,1,1-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		Trichloroethylene		41		48	1		µg/L	GE	2
		Trichlorofluoromethane		<2.0		<1.0	1		µg/L	GE	0
		Tritium		4.2E+01		7.5E+01	1		pCi/mL	GP	2
		Zinc, total recoverable		65		91	1	V	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 14DR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76322.1 E55789.4	33.285602 °N 81.668150 °W	238.1-218.1 ft msl	300.3 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE	04/15/97	10/27/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation		228.5		228.0	ft msl
pH		4.6		4.4	pH
Sp. conductance		34		34	µS/cm
Water temperature		28.0		20.0	°C
Alkalinity as CaCO ₃		1		1	mg/L
Turbidity		1		1	NTU
Volume purged		6.9		10	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)		<1,000		3,600	1		µg/L	GE	
		Aluminum, total recoverable		<23					µg/L		
		Antimony, total recoverable		<15		<10	1		µg/L	GE	0
		Arsenic, total recoverable		<10		<5.0	1		µg/L	GE	0
		Barium, total recoverable		5.5		5.4	1		µg/L	GE	0
		Benzene		<2.0		<1.0	1		µg/L	GE	0
		Boron, total recoverable		39		34	1	JE	µg/L	GE	0
		Bromodichloromethane		<2.0		<1.0	1		µg/L	GE	0
		Bromoform		<2.0		<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)		<2.0		<1.0	1		µg/L	GE	0
		Cadmium, total recoverable		<10		<5.0	1		µg/L	GE	0
		Carbon tetrachloride		<2.0		<1.0	1		µg/L	GE	0
		Carbon-14		1.4E+00		1.2E+01	1	UI	pCi/L	GP	0
		Chlorobenzene		<2.0		<1.0	1		µg/L	GE	0
		Chloroethane		<2.0		<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)		<2.0		<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether		<5.0		<5.0	1		µg/L	GE	0
		Chloroform		<2.0		<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)		<2.0		<1.0	1		µg/L	GE	0
		Chromium, total recoverable		<20		<5.0	1		µg/L	GE	0
		Copper, total recoverable		44		46	1		µg/L	GE	0
		Dibromochloromethane		<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,2-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Dichloromethane		<5.0		<1.0	1		µg/L	GE	0
		1,2-Dichloropropane		<2.0		<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		Ethylbenzene		<2.0		<1.0	1		µg/L	GE	0
		Gross alpha		2.0E+00		8.3E+00	1		pCi/L	GP	1
		Iron, total recoverable		64					µg/L		
		Lead, total recoverable		13		11	1	J	µg/L	GE	0
		Lithium, total recoverable		<25		<25	1		µg/L	GE	0
		Manganese, total recoverable		7.6					µg/L		
		Mercury, total recoverable		<1.0		<0.20	1		µg/L	GE	0
		Nickel, total recoverable		<20		2.8	1	JE	µg/L	GE	0
		Nonvolatile beta		2.3E+00		6.9E+00	1		pCi/L	GP	0
		Phenols		<25		<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting		1.6E+00		2.2E+00	1		pCi/L	GP	0
		Selenium, total recoverable		<10		<5.0	1		µg/L	GE	0
		Silver, total recoverable		<10		<5.0	1		µg/L	GE	0
		Strontium-90		3.5E-01		1.3E-01	1	UI	pCi/L	GP	0
		Sulfate		1,700		1,600	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane		<2.0		<1.0	1		µg/L	GE	0
		Tetrachloroethylene		<2.0		1.4	1		µg/L	GE	0
		Tin, total recoverable		<100		<10	1		µg/L	GE	0
		Toluene		<2.0		<1.0	1		µg/L	GE	0
		Total activity		2.5E+05					pCi/L		
		Total dissolved solids		22,000		32,000	1		µg/L	GE	
		Total organic carbon		<5,000		<5,000	1		µg/L	GE	0
		Total organic halogens		13		23	1	JV1	µg/L	GE	0
		1,1,1-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		Trichloroethylene		31		23	1		µg/L	GE	2
		Trichlorofluoromethane		<2.0		<1.0	1		µg/L	GE	0
		Tritium		2.7E+02		3.2E+02	1		pCi/mL	GP	2
		Zinc, total recoverable		52		61	1	V	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 15D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75973.5 E55859.1	33.284945 °N 81.667289 °W	238.7-218.7 ft msl	298.7 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 04/15/97

10/27/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation		228.3		227.7	ft msl
pH		4.8		4.8	pH
Sp. conductance		30		28	µS/cm
Water temperature		27.0		20.0	°C
Alkalinity as CaCO ₃		0		2	mg/L
Turbidity		3		2	NTU
Volume purged		6.9		15	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)		<1,000		3,600	1		µg/L	GE	
		Aluminum, total recoverable		<33					µg/L		
		Antimony, total recoverable		<15		<10	1		µg/L	GE	0
		Arsenic, total recoverable		<10		<5.0	1		µg/L	GE	0
		Barium, total recoverable		9.9		11	1		µg/L	GE	0
		Benzene		<2.0		<1.0	1		µg/L	GE	0
		Boron, total recoverable		<500		<50	1		µg/L	GE	0
		Bromodichloromethane		<2.0		<1.0	1		µg/L	GE	0
		Bromoform		<2.0		<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)		<2.0		<1.0	1		µg/L	GE	0
		Cadmium, total recoverable		<10		0.24	1	JE	µg/L	GE	0
		Carbon tetrachloride		<2.0		<1.0	1		µg/L	GE	0
		Carbon-14		1.4E+00		2.2E+00	1	UI	pCi/L	GP	0
		Chlorobenzene		<2.0		<1.0	1		µg/L	GE	0
		Chloroethane		<2.0		<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)		<2.0		<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether		<5.0		<5.0	1		µg/L	GE	0
		Chloroform		<2.0		<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)		<2.0		<1.0	1		µg/L	GE	0
		Chromium, total recoverable		<20		<5.0	1		µg/L	GE	0
		Copper, total recoverable		<20		<5.0	1		µg/L	GE	0
		Dibromochloromethane		<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethane		<2.0		1.2	1		µg/L	GE	0
		1,2-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene		<2.0		0.85	1	JE	µg/L	GE	0
		trans-1,2-Dichloroethylene		1.4		<1.0	1		µg/L	GE	0
		Dichloromethane		<5.0		<1.0	1		µg/L	GE	0
		1,2-Dichloropropane		<2.0		<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		Ethylbenzene		<2.0		<1.0	1		µg/L	GE	0
		Gross alpha		1.7E+00		5.7E+00	1		pCi/L	GP	0
		Iron, total recoverable		84					µg/L		
		Lead, total recoverable		<15		0.79	1	JE	µg/L	GE	0
		Lithium, total recoverable		<25		<25	1		µg/L	GE	0
		Manganese, total recoverable		8.4					µg/L		
		Mercury, total recoverable		<1.0		<0.20	1		µg/L	GE	0
		Nickel, total recoverable		<20		<5.0	1		µg/L	GE	0
		Nonvolatile beta		9.3E-01		2.7E+00	1		pCi/L	GP	0
		Phenols		<25		<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting		1.4E+00		1.9E+00	1		pCi/L	GP	0
		Selenium, total recoverable		<10		<5.0	1		µg/L	GE	0
		Silver, total recoverable		<10		<2.4	1	V	µg/L	GE	0
		Strontium-90		3.6E-02		1.5E-01	1	UI	pCi/L	GP	0
		Sulfate		<5,000		290	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane		<2.0		<1.0	1		µg/L	GE	0
■		Tetrachloroethylene		6.8		6.7	1		µg/L	GE	2
		Tin, total recoverable		<100		<10	1		µg/L	GE	0
		Toluene		<2.0		<1.0	1		µg/L	GE	0
		Total activity		1.4E+06					pCi/L		
		Total dissolved solids		25,000		30,000	1		µg/L	GE	
		Total organic carbon		<5,000		350	1	JE	µg/L	GE	0
●		Total organic halogens		98		200	1	JV1	µg/L	GE	2
		1,1,1-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
■		Trichloroethylene		62		85	2		µg/L	GE	2
		Trichlorofluoromethane		3.0		<1.0	1		µg/L	GE	0
■		Tritium		1.4E+03		1.6E+03	1		pCi/mL	GP	2
		Zinc, total recoverable		12		<5.0	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 16AR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75743.2 E56217.1	33.285020 °N 81.665899 °W	113.7-103.7 ft msl	303.7 ft msl	4" PVC	S	Congaree (IIA)

SAMPLE DATE 04/08/97

11/04/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation		160.5		160.3	ft msl
pH		6.2		6.6	pH
Sp. conductance		180		200	µS/cm
Water temperature		26.0		18.0	°C
Alkalinity as CaCO ₃		69		57	mg/L
Turbidity		2		1	NTU
Volume purged		3.2		3.2	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)		63,000		76,000	1		µg/L	GE	
		Antimony, total recoverable		<15		<10	1		µg/L	GE	0
		Arsenic, total recoverable		4.1		<5.0	1		µg/L	GE	0
		Barium, total recoverable		36		37	1		µg/L	GE	0
		Benzene		<2.0		<1.0	1		µg/L	GE	0
		Boron, total recoverable		<500		<50	1		µg/L	GE	0
		Bromodichloromethane		<2.0		<1.0	1		µg/L	GE	0
		Bromoform		<2.0		<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)		<2.0		<1.0	1		µg/L	GE	0
		Cadmium, total recoverable		<10		<5.0	1		µg/L	GE	0
		Carbon tetrachloride		<2.0		<1.0	1		µg/L	GE	0
		Carbon-14		-1.7E+00		-4.9E+00	1	UI	pCi/L	GP	0
		Chlorobenzene		<2.0		<1.0	1		µg/L	GE	0
		Chloroethane		<2.0		<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)		<2.0		<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether		<5.0		<5.0	1		µg/L	GE	0
		Chloroform		<2.0		<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)		<2.0		<1.0	1		µg/L	GE	0
		Chromium, total recoverable		<20		2.2	1	JE	µg/L	GE	0
		Copper, total recoverable		<20		<5.0	1		µg/L	GE	0
		Dibromochloromethane		<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,2-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Dichloromethane		<5.0		<1.0	1		µg/L	GE	0
		1,2-Dichloropropane		<2.0		<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		Ethylbenzene		<2.0		<1.0	1		µg/L	GE	0
		Gross alpha		1.8E+00		1.1E+00	1		pCi/L	GP	0
		Lead, total recoverable		<15		<5.0	1		µg/L	GE	0
		Lithium, total recoverable		39		<25	1		µg/L	GE	0
		Mercury, total recoverable		<1.0		<0.20	1		µg/L	GE	0
		Nickel, total recoverable		<20		<5.0	1		µg/L	GE	0
		Nonvolatile beta		1.8E+00		1.7E+00	1		pCi/L	GP	0
		Phenols		<25		<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting		4.0E-01		1.0E-01	1	UI	pCi/L	GP	0
		Selenium, total recoverable		<10		<5.0	1		µg/L	GE	0
		Silver, total recoverable		<10		<5.0	1		µg/L	GE	0
		Strontium-90		1.6E+00		-1.4E-02	1	UI	pCi/L	GP	0
		Sulfate		1,300		<1,400	1	V	µg/L	GE	0
		1,1,2,2-Tetrachloroethane		<2.0		<1.0	1		µg/L	GE	0
		Tetrachloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Tin, total recoverable		<100		<10	1		µg/L	GE	0
		Toluene		<2.0		<1.0	1		µg/L	GE	0
		Total dissolved solids		110,000		110,000	1		µg/L	GE	0
		Total organic carbon		<5,000		450	1	JE	µg/L	GE	0
		Total organic halogens		<3.5		<10	1		µg/L	GE	0
		1,1,1-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		Trichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Trichlorofluoromethane		<2.0		<1.0	1		µg/L	GE	0
		Tritium		3.1E-02		2.1E-01	1	UI	pCi/mL	GP	0
		Zinc, total recoverable		<4.1		1.7	1	JE	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 16B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75767.5 E56183.8	33.285019 °N 81.666034 °W	146.0-136.0 ft msl	305.1 ft msl	4" PVC	S	McBean (IIB1)

SAMPLE DATE	04/04/97	11/04/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation		216.5		215.8	ft msl
pH		6.4		6.6	pH
Sp. conductance		200		340	µS/cm
Water temperature		24.0		18.0	°C
Alkalinity as CaCO ₃		104		67	mg/L
Turbidity		3		4	NTU
Volume purged		0.0		0.019	well volume
Sampling code		X		X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)		96,000		100,000	1		µg/L	GE	
		Antimony, total recoverable		<15		<10	1		µg/L	GE	0
		Arsenic, total recoverable		<10		3.7	1	JE	µg/L	GE	0
		Barium, total recoverable		46		45	1		µg/L	GE	0
		Benzene		<2.0		<1.0	1		µg/L	GE	0
		Boron, total recoverable		<500		<50	1		µg/L	GE	0
		Bromodichloromethane		<2.0		<1.0	1		µg/L	GE	0
		Bromoform		<2.0		<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)		<2.0		<1.0	1		µg/L	GE	0
		Cadmium, total recoverable		<10		<5.0	1		µg/L	GE	0
		Carbon tetrachloride		<2.0		<1.0	1		µg/L	GE	0
		Carbon-14		6.2E-01		3.1E+00	1	UI	pCi/L	GP	0
		Chlorobenzene		<2.0		<1.0	1		µg/L	GE	0
		Chloroethane		<2.0		<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)		<2.0		<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether		<5.0		<5.0	1		µg/L	GE	0
		Chloroform		<2.0		<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)		<2.0		<1.0	1		µg/L	GE	0
		Chromium, total recoverable		<20		1.1	1	JE	µg/L	GE	0
		Copper, total recoverable		4.7		2.7	1	JE	µg/L	GE	0
		Dibromochloromethane		<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,2-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Dichloromethane		<5.0		<1.0	1		µg/L	GE	0
		1,2-Dichloropropane		<2.0		<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		Ethylbenzene		<2.0		<1.0	1		µg/L	GE	0
		Gross alpha		5.0E-01		5.9E-01	1	UI	pCi/L	GP	0
		Lead, total recoverable		3.6		2.0	1	JE	µg/L	GE	0
		Lithium, total recoverable		<25		31	1		µg/L	GE	0
		Mercury, total recoverable		<1.0		<0.20	1		µg/L	GE	0
		Nickel, total recoverable		<20		<5.0	1		µg/L	GE	0
		Nonvolatile beta		4.2E+00		1.8E+00	1		pCi/L	GP	0
		Phenols		<25		<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting		3.0E-01		0.0E+00	1	UI	pCi/L	GP	0
		Selenium, total recoverable		<10		<2.2	1	V	µg/L	GE	0
		Silver, total recoverable		<10		<5.0	1		µg/L	GE	0
		Strontium-90		-3.6E-02		2.1E-01	1	UI	pCi/L	GP	0
		Sulfate		2,100		2,500	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane		<2.0		<1.0	1		µg/L	GE	0
		Tetrachloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Tin, total recoverable		<100		<10	1		µg/L	GE	0
		Toluene		<2.0		<1.0	1		µg/L	GE	0
		Total dissolved solids		110,000		140,000	1		µg/L	GE	0
		Total organic carbon		<5,000		440	1	JE	µg/L	GE	0
		Total organic halogens		<6.5		<10	1		µg/L	GE	0
		1,1,1-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		Trichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Trichlorofluoromethane		<2.0		<1.0	1		µg/L	GE	0
		Tritium		5.0E+00		6.9E+00	1		pCi/mL	GP	0
		Zinc, total recoverable		<15		8.6	1	J	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 16D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75751.4 E56202.1	33.285013 °N 81.665954 °W	237.3-217.3 ft msl	304.6 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE	04/15/97	10/29/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation		229.2		228.4	ft msl
pH		5.6		7.0	pH
Sp. conductance		200		60	µS/cm
Water temperature		28.0		19.0	°C
Alkalinity as CaCO ₃		24		23	mg/L
Turbidity		6		9	NTU
Volume purged		0.0		0.0	well volume
Sampling code		X		X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
●		Acenaphthene				<10	1	J1	µg/L	GE	0
●		Acenaphthylene				<10	1	J1	µg/L	GE	0
		Acetone				<5.0	1		µg/L	GE	0
		Acetonitrile (Methyl cyanide)				<5.0	1		µg/L	GE	0
●		Acetophenone				<10	1	J1	µg/L	GE	0
●		2-Acetylaminofluorene				<10	1	J1	µg/L	GE	0
		Acrolein				<10	1		µg/L	GE	0
		Acrylonitrile				<10	1		µg/L	GE	0
		Actinium-228				3.1E+00	1	UI	pCi/L	GP	0
		Aldrin				<0.020	1		µg/L	GE	0
		Alkalinity (as CaCO ₃)		30,000		25,000	1		µg/L	GE	0
		Allyl chloride				<5.0	1		µg/L	GE	0
		Americium-241				3.1E-02	1	UI	pCi/L	GP	0
●		4-Aminobiphenyl				<10	1	J1	µg/L	GE	0
●		Aniline				<10	1	J1	µg/L	GE	0
●		Anthracene				<10	1	J1	µg/L	GE	0
		Antimony, total recoverable		<15		<10	1		µg/L	GE	0
		Antimony-125				2.6E+00	1	UI	pCi/L	GP	0
●		Aramite				<10	1	J1	µg/L	GE	0
		Arsenic, total recoverable		<10		<5.0	1		µg/L	GE	0
		Barium, total recoverable		22		26	1		µg/L	GE	0
		Benzene		<2.0		<1.0	1		µg/L	GE	0
		alpha-Benzene hexachloride				<0.020	1		µg/L	GE	0
		beta-Benzene hexachloride				<0.020	1		µg/L	GE	0
		delta-Benzene hexachloride				<0.020	1		µg/L	GE	0
●		Benzo(a)anthracene				<10	1	J1	µg/L	GE	0
●		Benzo(b)fluoranthene				<10	1	J1	µg/L	GE	0
●		Benzo(k)fluoranthene				<10	1	J1	µg/L	GE	0
●		Benzo(g,h,i)perylene				<10	1	J1	µg/L	GE	0
●		Benzo(a)pyrene				<10	1	J1	µg/L	GE	0
●		Benzyl alcohol				<10	1	J1	µg/L	GE	0
		Beryllium, total recoverable				<5.0	1		µg/L	GE	0
●		Bis(2-chloroethoxy) methane				<10	1	J1	µg/L	GE	0
●		Bis(2-chloroethyl) ether				<10	1	J1	µg/L	GE	0
		Bis(2-chloroisopropyl) ether				<10	1		µg/L	GE	0
●		Bis(2-ethylhexyl) phthalate				<10	1	J1	µg/L	GE	0
		Boron, total recoverable		<500		<50	1		µg/L	GE	0
		Bromodichloromethane		<2.0		<1.0	1		µg/L	GE	0
		Bromoform		<2.0		<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)		<2.0		<1.0	1		µg/L	GE	0
●		4-Bromophenyl phenyl ether				<10	1	J1	µg/L	GE	0
●		Butylbenzyl phthalate				<10	1	J1	µg/L	GE	0
●		2-sec-Butyl-4,6-dinitrophenol				<10	1	J1	µg/L	GE	0
		Cadmium, total recoverable		<10		<5.0	1		µg/L	GE	0
		Carbon disulfide				<5.0	1		µg/L	GE	0
		Carbon tetrachloride		<2.0		<1.0	1		µg/L	GE	0
		Carbon-14		1.6E+00		1.9E+00	1	UI	pCi/L	GP	0
		Cerium-144				8.1E-01	1	UI	pCi/L	GP	0
		Cesium-134				2.4E+00	1	UI	pCi/L	GP	0
		Cesium-137				-1.8E-01	1	UI	pCi/L	GP	0
		Chlordane				<0.10	1		µg/L	GE	0
●		4-Chloroaniline				<20	1	J1	µg/L	GE	0
		Chlorobenzene		<2.0		<1.0	1		µg/L	GE	0
●		Chlorobenzilate				<10	1	J1	µg/L	GE	0
●		4-Chloro-m-cresol				<10	1	J1	µg/L	GE	0
		Chloroethane		<2.0		<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)		<2.0		<1.0	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 16D (cont.)

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		2-Chloroethyl vinyl ether		<5.0					µg/L		
		Chloroform		<2.0		<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)		<2.0		0.86	1	JE	µg/L	GE	0
●		2-Chloronaphthalene				<10	1	J1	µg/L	GE	0
●		2-Chlorophenol				<10	1	J1	µg/L	GE	0
●		4-Chlorophenyl phenyl ether				<10	1	J1	µg/L	GE	0
		Chloroprene				<2.0	1		µg/L	GE	0
		Chromium, total recoverable		<20		4.3	1	JE	µg/L	GE	0
●		Chrysene				<10	1	J1	µg/L	GE	0
		Cobalt, total recoverable				<5.0	1		µg/L	GE	0
		Cobalt-57				-2.0E-01	1	UI	pCi/L	GP	0
		Cobalt-60				5.7E-01	1	UI	pCi/L	GP	0
		Copper, total recoverable		7.3		3.6	1	JE	µg/L	GE	0
●		m/p-Cresol				<10	1	J1	µg/L	GE	0
●		o-Cresol (2-Methylphenol)				<10	1	J1	µg/L	GE	0
		Curium-242				-1.2E-02	1	UI	pCi/L	GP	0
		Curium-243/244				6.0E-02	1	UI	pCi/L	GP	0
		Curium-245/246				7.7E-03	1	UI	pCi/L	GP	0
		Cyanide				<10	1		µg/L	GE	0
		p,p'-DDD				<0.040	1		µg/L	GE	0
		p,p'-DDE				<0.040	1		µg/L	GE	0
		p,p'-DDT				<0.040	1		µg/L	GE	0
●		Diallate				<10	1	J1	µg/L	GE	0
●		Dibenz(a,h)anthracene				<10	1	J1	µg/L	GE	0
●		Dibenzofuran				<10	1	J1	µg/L	GE	0
		Dibromochloromethane		<2.0		<1.0	1		µg/L	GE	0
		1,2-Dibromo-3-chloropropane				<1.0	1		µg/L	GE	0
		1,2-Dibromoethane				<1.0	1		µg/L	GE	0
		Dibromomethane (Methylene bromide)				<1.0	1		µg/L	GE	0
●		Di-n-butyl phthalate				<10	1	J1	µg/L	GE	0
●		1,2-Dichlorobenzene				<10	1	J1	µg/L	GE	0
●		1,3-Dichlorobenzene				<10	1	J1	µg/L	GE	0
●		1,4-Dichlorobenzene				<10	1	J1	µg/L	GE	0
●		3,3'-Dichlorobenzidine				<50	1	J1	µg/L	GE	0
		trans-1,4-Dichloro-2-butene				<5.0	1		µg/L	GE	0
		Dichlorodifluoromethane				2.8	1		µg/L	GE	0
		1,1-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,2-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Dichloromethane		<5.0		<1.0	1		µg/L	GE	0
●		2,4-Dichlorophenol				<10	1	J1	µg/L	GE	0
●		2,6-Dichlorophenol				<10	1	J1	µg/L	GE	0
		2,4-Dichlorophenoxyacetic acid				<0.10	10		µg/L	GE	0
		1,2-Dichloropropane		<2.0		<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		Dieldrin				<0.040	1		µg/L	GE	0
●		Diethyl phthalate				<10	1	J1	µg/L	GE	0
●		Dimethoate				<10	1	J1	µg/L	GE	0
●		2,4-Dimethyl phenol				<10	1	J1	µg/L	GE	0
●		Dimethyl phthalate				<10	1	J1	µg/L	GE	0
●		p-Dimethylaminoazobenzene				<10	1	J1	µg/L	GE	0
●		7,12-Dimethylbenz(a)anthracene				<10	1	J1	µg/L	GE	0
●		3,3'-Dimethylbenzidine				<10	1	J1	µg/L	GE	0
●		a,a-Dimethylphenethylamine				<10	1	J1	µg/L	GE	0
●		1,3-Dinitrobenzene				<10	1	J1	µg/L	GE	0
●		2,4-Dinitrophenol				<20	1	J1	µg/L	GE	0
●		2,4-Dinitrotoluene				<10	1	J1	µg/L	GE	0
●		2,6-Dinitrotoluene				<10	1	J1	µg/L	GE	0
●		Di-n-octyl phthalate				<10	1	J1	µg/L	GE	0
●		1,4-Dioxane				<10	1	J1	µg/L	GE	0
●		Diphenylamine				<10	1	J1	µg/L	GE	0
●		Disulfoton				<10	1	J1	µg/L	GE	0
		Endosulfan sulfate				<0.040	1		µg/L	GE	0
		Endosulfan I				<0.020	1		µg/L	GE	0
		Endosulfan II				<0.040	1		µg/L	GE	0
		Endrin				<0.040	1		µg/L	GE	0
		Endrin aldehyde				<0.040	1		µg/L	GE	0
●		Ethyl methacrylate				<10	1	J1	µg/L	GE	0
●		Ethyl methanesulfonate				<10	1	J1	µg/L	GE	0
		Ethylbenzene		<2.0		<1.0	1		µg/L	GE	0
		Europium-152				5.4E+00	1	UI	pCi/L	GP	0
		Europium-154				-4.0E+00	1	UI	pCi/L	GP	0
		Europium-155				8.4E-01	1	UI	pCi/L	GP	0
●		Famphur				<10	1	J1	µg/L	GE	0
●		Fluoranthene				<10	1	J1	µg/L	GE	0
●		Fluorene				<10	1	J1	µg/L	GE	0
		Gross alpha		3.1E+00		6.2E+00	1		pCi/L	GP	0
		Heptachlor				<0.020	1		µg/L	GE	0
		Heptachlor epoxide				<0.020	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 16D (cont.)

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
●		Hexachlorobenzene				<10	1	J1	µg/L	GE	0
●		Hexachlorobutadiene				<10	1	J1	µg/L	GE	0
●		Hexachlorocyclopentadiene				<10	1	J1	µg/L	GE	0
●		Hexachloroethane				<10	1	J1	µg/L	GE	0
●		Hexachlorophene				<500	1	J1	µg/L	GE	0
●		Hexachloropropene				<10	1	J1	µg/L	GE	0
		2-Hexanone				<5.0	1		µg/L	GE	0
		1,2,3,4,6,7,8-HPCDD				<0.010	1		µg/L	GE	0
		1,2,3,4,6,7,8-HPCDF				<0.010	1		µg/L	GE	0
		1,2,3,4,7,8-HXDD				<0.010	1		µg/L	GE	0
		1,2,3,4,7,8-HXCDF				<0.010	1		µg/L	GE	0
●		Indeno(1,2,3-c,d)pyrene				<10	1	J1	µg/L	GE	0
		Iodomethane (Methyl iodide)				<5.0	1		µg/L	GE	0
		Isobutyl alcohol				<10	1		µg/L	GE	0
●		Isodrin				<10	1	J1	µg/L	GE	0
●		Isophorone				<10	1	J1	µg/L	GE	0
●		Isosafrole				<10	1	J1	µg/L	GE	0
●		Kepone				<10	1	J1	µg/L	GE	0
		Lead, total recoverable		19		22	1	V	µg/L	GE	0
		Lead-212				7.0E-01	1	UI	pCi/L	GP	0
		Lindane				<0.020	1		µg/L	GE	0
		Lithium, total recoverable		13		<25	1		µg/L	GE	0
		Manganese-54				-8.5E-01	1	UI	pCi/L	GP	0
		Mercury, total recoverable		<1.0		<0.13	1	V	µg/L	GE	0
		Methacrylonitrile				<5.0	1		µg/L	GE	0
●		Methapyrene				<10	1	J1	µg/L	GE	0
●		Methoxychlor				<0.20	1		µg/L	GE	0
		2-Methyl-4,6-dinitrophenol				<10	1	J1	µg/L	GE	0
		Methyl ethyl ketone				<5.0	1		µg/L	GE	0
		Methyl isobutyl ketone				<5.0	1		µg/L	GE	0
		Methyl methacrylate				<5.0	1		µg/L	GE	0
●		Methyl methanesulfonate				<10	1	J1	µg/L	GE	0
●		3-Methylcholanthrene				<10	1	J1	µg/L	GE	0
●		2-Methylnaphthalene				<10	1	J1	µg/L	GE	0
●		Naphthalene				<10	1	J1	µg/L	GE	0
●		1,4-Naphthoquinone				<10	1	J1	µg/L	GE	0
●		1-Naphthylamine				<10	1	J1	µg/L	GE	0
●		2-Naphthylamine				<10	1	J1	µg/L	GE	0
		Neptunium-237				-1.3E-02	1	UI	pCi/L	GP	0
		Nickel, total recoverable		<20		4.1	1	JE	µg/L	GE	0
●		m-Nitroaniline				<10	1	J1	µg/L	GE	0
●		o-Nitroaniline				<10	1	J1	µg/L	GE	0
●		p-Nitroaniline				<10	1	J1	µg/L	GE	0
●		Nitrobenzene				<10	1	J1	µg/L	GE	0
●		2-Nitrophenol				<10	1	J1	µg/L	GE	0
●		4-Nitrophenol				<20	1	J1	µg/L	GE	0
●		4-Nitroquinoline-1-oxide				<10	1	J1	µg/L	GE	0
●		N-Nitrosodi-n-butylamine				<10	1	J1	µg/L	GE	0
●		N-Nitrosodiethylamine				<10	1	J1	µg/L	GE	0
●		N-Nitrosodimethylamine				<10	1	J1	µg/L	GE	0
●		N-Nitrosodiphenylamine				<10	1	J1	µg/L	GE	0
●		N-Nitrosodipropylamine				<10	1	J1	µg/L	GE	0
●		N-Nitrosomethylethylamine				<10	1	J1	µg/L	GE	0
●		N-Nitrosomorpholine				<10	1	J1	µg/L	GE	0
●		N-Nitrosopiperidine				<10	1	J1	µg/L	GE	0
●		N-Nitrosopyrrolidine				<10	1	J1	µg/L	GE	0
●		5-Nitro-o-toluidine				<10	1	J1	µg/L	GE	0
		Nonvolatile beta		2.8E+00		7.4E+00	1		pCi/L	GP	0
		Octachlorodibenzo-p-dioxin				<0.010	1		µg/L	GE	0
		Octachlorodibenzo-p-furan				<0.010	1		µg/L	GE	0
		Parathion				<0.050	1		µg/L	GE	0
		Parathion methyl				<0.050	1		µg/L	GE	0
		PCB 1016				<0.13	1		µg/L	GE	0
		PCB 1221				<0.13	1		µg/L	GE	0
		PCB 1232				<0.13	1		µg/L	GE	0
		PCB 1242				<0.13	1		µg/L	GE	0
		PCB 1248				<0.13	1		µg/L	GE	0
		PCB 1254				<0.13	1		µg/L	GE	0
		PCB 1260				<0.13	1		µg/L	GE	0
		1,2,3,7,8-PCDD				<0.010	1		µg/L	GE	0
		1,2,3,7,8-PCDF				<0.0010	1		µg/L	GE	0
●		Pentachlorobenzene				<10	1	J1	µg/L	GE	0
●		Pentachloroethane				<10	1	J1	µg/L	GE	0
●		Pentachloronitrobenzene				<10	1	J1	µg/L	GE	0
●		Pentachlorophenol				<10	1	J1	µg/L	GE	0
●		Phenacetin				<10	1	J1	µg/L	GE	0
●		Phenanthrene				<10	1	J1	µg/L	GE	0
●		Phenol				<10	1	J1	µg/L	GE	0
		Phenols		<25		<5.0	1		µg/L	GE	0
●		p-Phenylenediamine				<10	1	J1	µg/L	GE	0
		Phorate				<0.050	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 16D (cont.)

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
●		2-Picoline				<10	1	J1	µg/L	GE	0
		Plutonium-238				-2.1E-01	1	UI	pCi/L	GP	0
		Plutonium-239/240				1.3E-01	1		pCi/L	GP	0
		Potassium-40				3.1E+01	1		pCi/L	GP	0
		Promethium-144				-1.1E-01	1	UI	pCi/L	GP	0
		Promethium-146				-1.3E+00	1	UI	pCi/L	GP	0
●		Pronamid				<10	1	J1	µg/L	GE	0
		Propionitrile				<10	1		µg/L	GE	0
●		Pyrene				<10	1	J1	µg/L	GE	0
●		Pyridine				<10	1	J1	µg/L	GE	0
		Radium, total alpha-emitting		3.0E-01		5.0E-01	1		pCi/L	GP	0
		Ruthenium-106				1.2E+01	1	UI	pCi/L	GP	0
●		Safrole				<10	1	J1	µg/L	GE	0
		Selenium, total recoverable	<10			<2.4	1	V	µg/L	GE	0
		Silver, total recoverable	<10			<5.0	1		µg/L	GE	0
		Sodium-22				-1.4E+00	1	UI	pCi/L	GP	0
		Strontium-90		-2.0E-01		-1.9E-01	1	UI	pCi/L	GP	0
		Styrene				<1.0	1		µg/L	GE	0
●		Sulfate	<5,000			490	1	J1	µg/L	GE	0
		Sulfide				<10,000	1		µg/L	GE	0
●		Sulfotep				<10	1	J1	µg/L	GE	0
		2,4,5-T				<0.10	10		µg/L	GE	0
		2,3,7,8-TCDD				<0.010	1		µg/L	GE	0
		2,3,7,8-TCDF				<0.010	1		µg/L	GE	0
●		1,2,4,5-Tetrachlorobenzene				<10	1	J1	µg/L	GE	0
		1,1,1,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane		<2.0		<1.0	1		µg/L	GE	0
		Tetrachloroethylene		<2.0		<1.0	1		µg/L	GE	0
●		2,3,4,6-Tetrachlorophenol				<10	1	J1	µg/L	GE	0
		Thallium, total recoverable				<5.0	1		µg/L	GE	0
●		Thionazin				<10	1	J1	µg/L	GE	0
		Thorium-228				1.5E-02	1	UI	pCi/L	GP	0
		Thorium-230				5.8E-02	1	UI	pCi/L	GP	0
		Thorium-232				2.1E-02	1	UI	pCi/L	GP	0
		Tin, total recoverable	<100			<10	1		µg/L	GE	0
		Toluene	<2.0			<1.0	1		µg/L	GE	0
●		o-Toluidine				<10	1	J1	µg/L	GE	0
		Total activity	1.3E+05						pCi/L		
		Total dissolved solids	33,000			43,000	1		µg/L	GE	
		Total organic carbon	<5,000			<5,000	1		µg/L	GE	0
●		Total organic halogens	12			17	1	JV1	µg/L	GE	0
		Toxaphene				<1.0	1		µg/L	GE	0
		2,4,5-TP (Silvex)				<0.10	10	J	µg/L	GE	0
●		1,2,4-Trichlorobenzene				<10	1	J1	µg/L	GE	0
		1,1,1-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
■		Trichloroethylene		3.7		6.2	1		µg/L	GE	2
		Trichlorofluoromethane		<2.0		<1.0	1		µg/L	GE	0
●		2,4,5-Trichlorophenol				<10	1	J1	µg/L	GE	0
●		2,4,6-Trichlorophenol				<10	1	J1	µg/L	GE	0
		1,2,3-Trichloropropane				<1.0	1		µg/L	GE	0
●		O,O,O-Triethyl phosphorothioate				<10	1	J1	µg/L	GE	0
●		1,3,5-Trinitrobenzene				<10	1	J1	µg/L	GE	0
■		Tritium		2.6E+02		2.9E+02	1		pCi/mL	GP	2
		Uranium-233/234				1.1E-01	1		pCi/L	GP	0
		Uranium-235				1.2E-02	1	UI	pCi/L	GP	0
		Uranium-238				9.6E-02	1		pCi/L	GP	0
		Vanadium, total recoverable				1.2	1	JE	µg/L	GE	0
		Vinyl acetate				<5.0	1		µg/L	GE	0
		Xylenes				<1.0	1		µg/L	GE	0
		Yttrium-88				-6.4E-01	1	UI	pCi/L	GP	0
		Zinc, total recoverable		25		26	1		µg/L	GE	0
		Zinc-65				2.9E+00	1	UI	pCi/L	GP	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 17DR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75604.0 E56407.2	33.285022 °N 81.665128 °W	236.9-216.9 ft msl	299.2 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE	04/04/97	11/05/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation		230.0			ft msl
pH		4.0		3.8	pH
Sp. conductance		32		360	µS/cm
Water temperature		25.0		18.0	°C
Alkalinity as CaCO ₃		2			mg/L
Turbidity		13			NTU
Volume purged		0.0		7.1	well volume
Sampling code		X		X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)		1,600		1,500	1		µg/L	GE	
		Aluminum, total recoverable		240					µg/L		
		Antimony, total recoverable		<15		<10	1		µg/L	GE	0
		Arsenic, total recoverable		<10		<5.0	1		µg/L	GE	0
		Barium, total recoverable		8.1		6.7	1		µg/L	GE	0
		Benzene		<2.0		<1.0	1	J	µg/L	GE	0
		Boron, total recoverable		<500		<50	1		µg/L	GE	0
		Bromodichloromethane		<2.0		<1.0	1	J	µg/L	GE	0
		Bromoform		<2.0		<1.0	1	J	µg/L	GE	0
		Bromomethane (Methyl bromide)		<2.0		<1.0	1	J	µg/L	GE	0
		Cadmium, total recoverable		<10		<5.0	1		µg/L	GE	0
		Carbon tetrachloride		<2.0		<1.0	1	J	µg/L	GE	0
		Carbon-14		2.6E+00		-5.4E+00	1	UI	pCi/L	GP	0
		Chlorobenzene		<2.0		<1.0	1	J	µg/L	GE	0
		Chloroethane		<2.0		<1.0	1	J	µg/L	GE	0
		Chloroethene (Vinyl chloride)		<2.0		<1.0	1	J	µg/L	GE	0
		2-Chloroethyl vinyl ether		<5.0		<5.0	1	J	µg/L	GE	0
		Chloroform		<2.0		<1.0	1	J	µg/L	GE	0
		Chloromethane (Methyl chloride)		<2.0		<1.0	1	J	µg/L	GE	0
		Chromium, total recoverable		<20		<5.0	1		µg/L	GE	0
		Copper, total recoverable		<20		10	1		µg/L	GE	0
		Dibromochloromethane		<2.0		<1.0	1	J	µg/L	GE	0
		1,1-Dichloroethane		<2.0		<1.0	1	J	µg/L	GE	0
		1,2-Dichloroethane		<2.0		<1.0	1	J	µg/L	GE	0
		1,1-Dichloroethylene		<2.0		<1.0	1	J	µg/L	GE	0
		trans-1,2-Dichloroethylene		<2.0		<1.0	1	J	µg/L	GE	0
		Dichloromethane		<5.0		<1.0	1	J	µg/L	GE	0
		1,2-Dichloropropane		<2.0		<1.0	1	J	µg/L	GE	0
		cis-1,3-Dichloropropene		<2.0		<1.0	1	J	µg/L	GE	0
		trans-1,3-Dichloropropene		<2.0		<1.0	1	J	µg/L	GE	0
		Ethylbenzene		<2.0		<1.0	1	J	µg/L	GE	0
		Gross alpha		3.4E+00		5.6E+00	1		pCi/L	GP	0
		Iron, total recoverable		270					µg/L		
		Lead, total recoverable		4.6		9.3	1	V	µg/L	GE	0
		Lithium, total recoverable		<25		<25	1		µg/L	GE	0
		Manganese, total recoverable		11					µg/L		
		Mercury, total recoverable		<1.0		<0.20	1		µg/L	GE	0
		Nickel, total recoverable		<20		10	1		µg/L	GE	0
		Nonvolatile beta		3.1E+00		4.5E+00	1		pCi/L	GP	0
		Phenols		<25		<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting		2.0E-01		4.0E-01	1	UI	pCi/L	GP	0
		Selenium, total recoverable		<10		<1.4	1	V	µg/L	GE	0
		Silver, total recoverable		<10		0.68	1	JE	µg/L	GE	0
		Strontium-90		-8.4E-03		2.2E-01	1	UJI	pCi/L	GP	0
		Sulfate		<5,000		180	1	JE	µg/L	GE	0
		1,1,2,2-Tetrachloroethane		<2.0		<1.0	1	J	µg/L	GE	0
		Tetrachloroethylene		<2.0		<1.0	1	J	µg/L	GE	0
		Tin, total recoverable		<100		<10	1		µg/L	GE	0
		Toluene		<2.0		<1.0	1	J	µg/L	GE	0
		Total dissolved solids		22,000		21,000	1		µg/L	GE	
		Total organic carbon		<5,000		1,200	1	JE	µg/L	GE	0
		Total organic halogens		<7.6		6.9	1	JE	µg/L	GE	0
		1,1,1-Trichloroethane		<2.0		<1.0	1	J	µg/L	GE	0
		1,1,2-Trichloroethane		<2.0		<1.0	1	J	µg/L	GE	0
		Trichloroethylene		1.6		2.3	1	J	µg/L	GE	0
		Trichlorofluoromethane		<2.0		1.3	1	J	µg/L	GE	0
		Tritium		1.1E+01		1.1E+01	1		pCi/mL	GP	1
		Zinc, total recoverable		<11		13	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 18A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75599.9 E56699.7	33.285490 °N 81.664350 °W	109.5-99.5 ft msl	295.2 ft msl	4" PVC	S	U. Congaree (IIA)

SAMPLE DATE	04/08/97	11/24/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation		160.8		160.8	ft msl
pH		6.4		6.6	pH
Sp. conductance		180		180	µS/cm
Water temperature		26.0		18.0	°C
Alkalinity as CaCO ₃		70		52	mg/L
Turbidity		0		1	NTU
Volume purged		3.8		3.5	well volume
Sampling code				P	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Acenaphthene				<11	1		µg/L	GE	0
		Acenaphthylene				<11	1		µg/L	GE	0
		Acetone				<5.0	1		µg/L	GE	0
		Acetonitrile (Methyl cyanide)				<5.0	1		µg/L	GE	0
		Acetophenone				<11	1		µg/L	GE	0
		2-Acetylaminofluorene				<11	1		µg/L	GE	0
		Acrolein				<10	1		µg/L	GE	0
		Acrylonitrile				<10	1		µg/L	GE	0
		Actinium-228				7.4E+00	1	UI	pCi/L	GP	0
		Aldrin				<0.021	1		µg/L	GE	0
		Alkalinity (as CaCO ₃)		62,000		76,000	1		µg/L	GE	0
		Allyl chloride				<5.0	1		µg/L	GE	0
		Americium-241				1.3E-01	1	UJI	pCi/L	GP	0
		4-Aminobiphenyl				<11	1		µg/L	GE	0
		Aniline				<11	1		µg/L	GE	0
		Anthracene				<11	1		µg/L	GE	0
		Antimony, total recoverable		<15		<10	1		µg/L	GE	0
		Antimony-125				-2.7E+00	1	UI	pCi/L	GP	0
		Aramite				<11	1		µg/L	GE	0
		Arsenic, total recoverable		2.3		<5.0	1		µg/L	GE	0
		Barium, total recoverable		27		29	1		µg/L	GE	0
		Benzene		<2.0		<1.0	1		µg/L	GE	0
		alpha-Benzene hexachloride				<0.021	1		µg/L	GE	0
		beta-Benzene hexachloride				<0.021	1		µg/L	GE	0
		delta-Benzene hexachloride				<0.021	1		µg/L	GE	0
		Benzo(a)anthracene				<11	1		µg/L	GE	0
		Benzo(b)fluoranthene				<11	1		µg/L	GE	0
		Benzo(k)fluoranthene				<11	1		µg/L	GE	0
		Benzo(g,h,i)perylene				<11	1		µg/L	GE	0
		Benzo(a)pyrene				<11	1		µg/L	GE	0
		Benzyl alcohol				<11	1		µg/L	GE	0
		Beryllium, total recoverable				<5.0	1		µg/L	GE	0
		Bis(2-chloroethoxy) methane				<11	1		µg/L	GE	0
		Bis(2-chloroethyl) ether				<11	1		µg/L	GE	0
		Bis(2-chloroisopropyl) ether				<10	1		µg/L	GE	0
		Bis(2-ethylhexyl) phthalate				<11	1		µg/L	GE	0
		Boron, total recoverable		<500		<50	1		µg/L	GE	0
		Bromodichloromethane		<2.0		<1.0	1		µg/L	GE	0
		Bromofom		<2.0		<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)		<2.0		<1.0	1		µg/L	GE	0
		4-Bromophenyl phenyl ether				<11	1		µg/L	GE	0
		Butylbenzyl phthalate				<11	1		µg/L	GE	0
		2-sec-Butyl-4,6-dinitrophenol				<11	1		µg/L	GE	0
		Cadmium, total recoverable		<10		<5.0	1		µg/L	GE	0
		Carbon disulfide				<5.0	1		µg/L	GE	0
		Carbon tetrachloride		<2.0		<1.0	1		µg/L	GE	0
		Carbon-14		-8.5E-01		5.1E+00	1	UI	pCi/L	GP	0
		Cerium-144				1.2E+01	1	UI	pCi/L	GP	0
		Cesium-134				-6.0E-01	1	UJI	pCi/L	GP	0
		Cesium-137				-1.5E+00	1	UI	pCi/L	GP	0
		Chlordane				<0.11	1		µg/L	GE	0
		4-Chloroaniline				<21	1		µg/L	GE	0
		Chlorobenzene		<2.0		<1.0	1		µg/L	GE	0
		Chlorobenzilate				<11	1		µg/L	GE	0
		4-Chloro-m-cresol				<11	1	J	µg/L	GE	0
		Chloroethane		<2.0		<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)		<2.0		<1.0	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 18A (cont.)

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		2-Chloroethyl vinyl ether		<5.0					µg/L		
		Chloroform		<2.0		<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)		<2.0		<1.0	1		µg/L	GE	0
		2-Chloronaphthalene				<11	1		µg/L	GE	0
		2-Chlorophenol				<11	1	J	µg/L	GE	0
		4-Chlorophenyl phenyl ether				<11	1		µg/L	GE	0
		Chloroprene				<2.0	1		µg/L	GE	0
		Chromium, total recoverable	<20			<5.0	1		µg/L	GE	0
		Chrysene				<11	1		µg/L	GE	0
		Cobalt, total recoverable				<5.0	1		µg/L	GE	0
		Cobalt-57				2.4E-01	1	UI	pCi/L	GP	0
		Cobalt-60				7.4E-02	1	UI	pCi/L	GP	0
		Copper, total recoverable	<20			<5.0	1		µg/L	GE	0
		m/p-Cresol				<11	1		µg/L	GE	0
		o-Cresol (2-Methylphenol)				<11	1		µg/L	GE	0
		Curium-242				6.1E-02	1	UI	pCi/L	GP	0
		Curium-243/244				3.0E-01	1	UI	pCi/L	GP	0
		Curium-245/246				1.5E-02	1	UI	pCi/L	GP	0
		Cyanide				<10	1		µg/L	GE	0
		p,p'-DDD				<0.042	1		µg/L	GE	0
		p,p'-DDE				<0.042	1		µg/L	GE	0
		p,p'-DDT				<0.042	1	J	µg/L	GE	0
		Diallate				<11	1		µg/L	GE	0
		Dibenz(a,h)anthracene				<11	1		µg/L	GE	0
		Dibenzofuran				<11	1		µg/L	GE	0
		Dibromochloromethane	<2.0			<1.0	1		µg/L	GE	0
		1,2-Dibromo-3-chloropropane				<1.0	1		µg/L	GE	0
		1,2-Dibromoethane				<1.0	1		µg/L	GE	0
		Dibromomethane (Methylene bromide)				<1.0	1		µg/L	GE	0
		Di-n-butyl phthalate				<11	1		µg/L	GE	0
		1,2-Dichlorobenzene				<11	1		µg/L	GE	0
		1,3-Dichlorobenzene				<11	1		µg/L	GE	0
		1,4-Dichlorobenzene				<11	1	J	µg/L	GE	0
		3,3'-Dichlorobenzidine				<53	1		µg/L	GE	0
		trans-1,4-Dichloro-2-butene				<5.0	1		µg/L	GE	0
		Dichlorodifluoromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane	<2.0			<1.0	1		µg/L	GE	0
		1,2-Dichloroethane	<2.0			<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene	<2.0			<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene	<2.0			<1.0	1		µg/L	GE	0
		Dichloromethane	<5.0			<1.0	1		µg/L	GE	0
		2,4-Dichlorophenol				<11	1		µg/L	GE	0
		2,6-Dichlorophenol				<11	1		µg/L	GE	0
●		2,4-Dichlorophenoxyacetic acid				<0.090	10	J1	µg/L	GE	0
		1,2-Dichloropropane	<2.0			<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene	<2.0			<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene	<2.0			<1.0	1		µg/L	GE	0
		Dieldrin				<0.042	1	J	µg/L	GE	0
		Diethyl phthalate				<11	1		µg/L	GE	0
		Dimethoate				<11	1		µg/L	GE	0
		2,4-Dimethyl phenol				<11	1		µg/L	GE	0
		Dimethyl phthalate				<11	1		µg/L	GE	0
		p-Dimethylaminoazobenzene				<11	1		µg/L	GE	0
		7,12-Dimethylbenz(a)anthracene				<11	1		µg/L	GE	0
		3,3'-Dimethylbenzidine				<11	1		µg/L	GE	0
		a,a-Dimethylphenethylamine				<11	1		µg/L	GE	0
		1,3-Dinitrobenzene				<11	1		µg/L	GE	0
		2,4-Dinitrophenol				<21	1		µg/L	GE	0
		2,4-Dinitrotoluene				<11	1	J	µg/L	GE	0
		2,6-Dinitrotoluene				<11	1		µg/L	GE	0
		Di-n-octyl phthalate				<11	1		µg/L	GE	0
		1,4-Dioxane				<11	1		µg/L	GE	0
		Diphenylamine				<11	1		µg/L	GE	0
		Disulfoton				<11	1		µg/L	GE	0
		Endosulfan sulfate				<0.042	1		µg/L	GE	0
		Endosulfan I				<0.021	1		µg/L	GE	0
		Endosulfan II				<0.042	1		µg/L	GE	0
		Endrin				<0.042	1	J	µg/L	GE	0
		Endrin aldehyde				<0.042	1		µg/L	GE	0
		Ethyl methacrylate				<11	1		µg/L	GE	0
		Ethyl methanesulfonate				<11	1		µg/L	GE	0
		Ethylbenzene	<2.0			<1.0	1		µg/L	GE	0
		Europium-152				3.1E+00	1	UI	pCi/L	GP	0
		Europium-154				3.7E+00	1	UI	pCi/L	GP	0
		Europium-155				3.8E+00	1	UI	pCi/L	GP	0
		Famphur				<11	1		µg/L	GE	0
		Fluoranthene				<11	1		µg/L	GE	0
		Fluorene				<11	1		µg/L	GE	0
		Gross alpha		1.1E+00		1.8E+00	1	UIV	pCi/L	GP	0
		Heptachlor				<0.021	1	J	µg/L	GE	0
		Heptachlor epoxide				<0.021	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 18A (cont.)

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Hexachlorobenzene				<11	1		µg/L	GE	0
		Hexachlorobutadiene				<11	1		µg/L	GE	0
		Hexachlorocyclopentadiene				<11	1		µg/L	GE	0
		Hexachloroethane				<11	1		µg/L	GE	0
		Hexachlorophene				<530	1		µg/L	GE	0
		Hexachloropropene				<11	1		µg/L	GE	0
		2-Hexanone				<5.0	1		µg/L	GE	0
		1,2,3,4,6,7,8-HPCDD				<0.010	1		µg/L	GE	0
		1,2,3,4,6,7,8-HPCDF				<0.010	1		µg/L	GE	0
		1,2,3,4,7,8-HXCDD				<0.010	1		µg/L	GE	0
		1,2,3,4,7,8-HXCDF				<0.010	1		µg/L	GE	0
		Indeno(1,2,3-c,d)pyrene				<11	1		µg/L	GE	0
		Iodomethane (Methyl iodide)				<5.0	1		µg/L	GE	0
		Isobutyl alcohol				<10	1		µg/L	GE	0
		Isodrin				<11	1		µg/L	GE	0
		Isophorone				<11	1		µg/L	GE	0
		Isosafrole				<11	1		µg/L	GE	0
		Kepone				<11	1		µg/L	GE	0
		Lead, total recoverable	<15			<0.69	1	JV	µg/L	GE	0
		Lead-212				1.5E+00	1	UI	pCi/L	GP	0
		Lindane				<0.021	1	J	µg/L	GE	0
		Lithium, total recoverable	<28			<250	10		µg/L	GE	0
		Manganese-54				-2.5E-01	1	UI	pCi/L	GP	0
		Mercury, total recoverable	<1.0			<0.20	1		µg/L	GE	0
		Methacrylonitrile				<5.0	1		µg/L	GE	0
		Methapyrilene				<11	1		µg/L	GE	0
		Methoxychlor				<0.21	1		µg/L	GE	0
		2-Methyl-4,6-dinitrophenol				<11	1		µg/L	GE	0
		Methyl ethyl ketone				<5.0	1		µg/L	GE	0
		Methyl isobutyl ketone				<5.0	1		µg/L	GE	0
		Methyl methacrylate				<5.0	1		µg/L	GE	0
		Methyl methanesulfonate				<11	1		µg/L	GE	0
		3-Methylcholanthrene				<11	1		µg/L	GE	0
		2-Methylnaphthalene				<11	1		µg/L	GE	0
		Naphthalene				<11	1		µg/L	GE	0
		1,4-Naphthoquinone				<11	1		µg/L	GE	0
		1-Naphthylamine				<11	1		µg/L	GE	0
		2-Naphthylamine				<11	1		µg/L	GE	0
		Neptunium-237				3.2E-01	1	UI	pCi/L	GP	0
		Nickel, total recoverable	<20			<5.0	1		µg/L	GE	0
		m-Nitroaniline				<11	1		µg/L	GE	0
		o-Nitroaniline				<11	1		µg/L	GE	0
		p-Nitroaniline				<11	1		µg/L	GE	0
		Nitrobenzene				<11	1		µg/L	GE	0
		2-Nitrophenol				<11	1		µg/L	GE	0
		4-Nitrophenol				<21	1	J	µg/L	GE	0
		4-Nitroquinoline-1-oxide				<11	1		µg/L	GE	0
		N-Nitrosodi-n-butylamine				<11	1		µg/L	GE	0
		N-Nitrosodiethylamine				<11	1		µg/L	GE	0
		N-Nitrosodimethylamine				<11	1		µg/L	GE	0
		N-Nitrosodiphenylamine				<11	1		µg/L	GE	0
		N-Nitrosodipropylamine				<11	1	J	µg/L	GE	0
		N-Nitrosomethylethylamine				<11	1		µg/L	GE	0
		N-Nitrosomorpholine				<11	1		µg/L	GE	0
		N-Nitrosopiperidine				<11	1		µg/L	GE	0
		N-Nitrosopyrrolidine				<11	1		µg/L	GE	0
		5-Nitro-o-toluidine				<11	1		µg/L	GE	0
		Nonvolatile beta		1.7E+00		2.0E+00	1	UJIV	pCi/L	GP	0
		Octachlorodibenzo-p-dioxin				<0.010	1		µg/L	GE	0
		Octachlorodibenzo-p-furan				<0.010	1		µg/L	GE	0
		Parathion				<0.053	1		µg/L	GE	0
		Parathion methyl				<0.053	1		µg/L	GE	0
		PCB 1016				<0.13	1		µg/L	GE	0
		PCB 1221				<0.13	1		µg/L	GE	0
		PCB 1232				<0.13	1		µg/L	GE	0
		PCB 1242				<0.13	1		µg/L	GE	0
		PCB 1248				<0.13	1		µg/L	GE	0
		PCB 1254				<0.13	1		µg/L	GE	0
		PCB 1260				<0.13	1		µg/L	GE	0
		1,2,3,7,8-PCDD				<0.010	1		µg/L	GE	0
		1,2,3,7,8-PCDF				<0.010	1		µg/L	GE	0
		Pentachlorobenzene				<11	1		µg/L	GE	0
		Pentachloroethane				<11	1		µg/L	GE	0
		Pentachloronitrobenzene				<11	1		µg/L	GE	0
		Pentachlorophenol				<11	1	J	µg/L	GE	0
		Phenacetin				<11	1		µg/L	GE	0
		Phenanthrene				<11	1		µg/L	GE	0
		Phenol				<11	1	J	µg/L	GE	0
		Phenols		<25		<5.0	1		µg/L	GE	0
		p-Phenylenediamine				<11	1		µg/L	GE	0
		Phorate				<0.053	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 18A (cont.)

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		2-Picoline				<11	1		µg/L	GE	0
		Plutonium-238				1.1E-01	1	UJI	pCi/L	GP	0
		Plutonium-239/240				1.8E-02	1	UI	pCi/L	GP	0
		Potassium-40				5.5E+00	1	UI	pCi/L	GP	0
		Promethium-144				-4.3E-01	1	UI	pCi/L	GP	0
		Promethium-146				-1.6E+00	1	UI	pCi/L	GP	0
		Pronamid				<11	1		µg/L	GE	0
		Propionitrile				<10	1		µg/L	GE	0
		Pyrene				<11	1		µg/L	GE	0
		Pyridine				<11	1		µg/L	GE	0
		Radium, total alpha-emitting		3.0E-01		-2.0E-01	1	UJI	pCi/L	GP	0
		Ruthenium-106				1.8E+01	1	UI	pCi/L	GP	0
		Safrrole				<11	1		µg/L	GE	0
		Selenium, total recoverable	<10			<5.0	1		µg/L	GE	0
		Silver, total recoverable	<10			<5.0	1		µg/L	GE	0
		Sodium-22				1.4E+00	1	UI	pCi/L	GP	0
		Strontium-90		3.0E-01		5.2E-01	1	UI	pCi/L	GP	0
		Styrene				<1.0	1		µg/L	GE	0
		Sulfate		8,100		8,100	1		µg/L	GE	0
		Sulfide				<10,000	1	J	µg/L	GE	0
•		Sulfotep				<11	1		µg/L	GE	0
		2,4,5-T				<0.090	10	J1	µg/L	GE	0
		2,3,7,8-TCDD				<0.010	1		µg/L	GE	0
		2,3,7,8-TCDF				<0.010	1		µg/L	GE	0
		1,2,4,5-Tetrachlorobenzene				<11	1		µg/L	GE	0
		1,1,1,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane		<2.0		<1.0	1		µg/L	GE	0
		Tetrachloroethylene		<2.0		<1.0	1		µg/L	GE	0
		2,3,4,6-Tetrachlorophenol				<11	1		µg/L	GE	0
		Thallium, total recoverable				<5.0	1		µg/L	GE	0
		Thionazin				<11	1		µg/L	GE	0
		Thorium-228				-2.0E-01	1	UI	pCi/L	GP	0
		Thorium-230				1.8E-01	1	UI	pCi/L	GP	0
		Thorium-232				-1.4E-02	1	UI	pCi/L	GP	0
		Tin, total recoverable	<100			<10	1		µg/L	GE	0
		Toluene	<2.0			<1.0	1		µg/L	GE	0
		o-Toluidine				<11	1		µg/L	GE	0
		Total dissolved solids		130,000		140,000	1	V	µg/L	GE	0
		Total organic carbon	<5,000			<5,000	1		µg/L	GE	0
		Total organic halogens	<5.8			28	1	JV	µg/L	GE	0
		Toxaphene				<1.1	1		µg/L	GE	0
•		2,4,5-TP (Silvex)				<0.090	10	J1	µg/L	GE	0
		1,2,4-Trichlorobenzene				<11	1	J	µg/L	GE	0
		1,1,1-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		Trichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Trichlorofluoromethane		<2.0		<1.0	1		µg/L	GE	0
		2,4,5-Trichlorophenol				<11	1		µg/L	GE	0
		2,4,6-Trichlorophenol				<11	1		µg/L	GE	0
		1,2,3-Trichloropropane				<1.0	1		µg/L	GE	0
		O,O,O-Triethyl phosphorothioate				<11	1		µg/L	GE	0
		1,3,5-Trinitrobenzene				<11	1		µg/L	GE	0
		Tritium		-3.3E-01		1.7E-02	1	UI	pCi/mL	GP	0
		Uranium-233/234				9.4E-02	1	UI	pCi/L	GP	0
		Uranium-235				-1.7E-04	1	UI	pCi/L	GP	0
		Uranium-238				8.6E-02	1	UI	pCi/L	GP	0
		Vanadium, total recoverable				<5.0	1		µg/L	GE	0
		Vinyl acetate				<5.0	1		µg/L	GE	0
		Xylenes				<1.0	1		µg/L	GE	0
		Yttrium-88				-7.0E-01	1	UI	pCi/L	GP	0
		Zinc, total recoverable	<20			<3.2	1	V	µg/L	GE	0
		Zinc-65				-4.2E+00	1	UI	pCi/L	GP	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 18D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75600.0 E56711.2	33.285509 °N 81.664320 °W	239.6-219.6 ft msl	294.9 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE	04/08/97	11/06/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation		230.5		229.9	ft msl
pH		3.8		4.2	pH
Sp. conductance		30		32	µS/cm
Water temperature		25.0		19.0	°C
Alkalinity as CaCO ₃		0		0	mg/L
Turbidity		0		1	NTU
Volume purged		7.3		16	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)		1,100		1,500	1		µg/L	GE	
		Antimony, total recoverable		<15		<10	1		µg/L	GE	0
		Arsenic, total recoverable		2.0		<5.0	1		µg/L	GE	0
		Barium, total recoverable		8.8		10	1		µg/L	GE	0
		Benzene		<2.0		<1.0	1		µg/L	GE	0
		Boron, total recoverable		<500		<50	1		µg/L	GE	0
		Bromodichloromethane		<2.0		<1.0	1		µg/L	GE	0
		Bromoform		<2.0		<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)		<2.0		<1.0	1		µg/L	GE	0
		Cadmium, total recoverable		<10		<5.0	1		µg/L	GE	0
		Carbon tetrachloride		<2.0		<1.0	1		µg/L	GE	0
		Carbon-14		-3.1E+00		1.3E+01	1	UI	pCi/L	GP	0
		Chlorobenzene		<2.0		<1.0	1		µg/L	GE	0
		Chloroethane		<2.0		<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)		<2.0		<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether		<5.0		<5.0	1		µg/L	GE	0
		Chloroform		<2.0		<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)		<2.0		<1.0	1		µg/L	GE	0
		Chromium, total recoverable		<20		<5.0	1		µg/L	GE	0
		Copper, total recoverable		5.8		1.6	1	JE	µg/L	GE	0
		Dibromochloromethane		<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,2-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Dichloromethane		<5.0		<1.0	1		µg/L	GE	0
		1,2-Dichloropropane		<2.0		<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		Ethylbenzene		<2.0		<1.0	1		µg/L	GE	0
		Gross alpha		2.3E+00		3.7E+00	1		pCi/L	GP	0
		Lead, total recoverable		<15		<5.0	1		µg/L	GE	0
		Lithium, total recoverable		<8.1		<25	1		µg/L	GE	0
●		Mercury, total recoverable		<1.0		<0.14	1	JV1	µg/L	GE	0
		Nickel, total recoverable		<20		<5.0	1		µg/L	GE	0
		Nonvolatile beta		2.2E+00		2.3E+00	1		pCi/L	GP	0
		Phenols		<25		<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting		1.7E+00		2.0E-01	1	UI	pCi/L	GP	0
		Selenium, total recoverable		<10		<5.0	1		µg/L	GE	0
		Silver, total recoverable		<10		0.70	1	JE	µg/L	GE	0
		Strontium-90		3.1E-01		-5.7E-01	1	UJI	pCi/L	GP	0
		Sulfate		<5,000		260	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane		<2.0		<1.0	1		µg/L	GE	0
		Tetrachloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Tin, total recoverable		<100		<10	1		µg/L	GE	0
		Toluene		<2.0		<1.0	1		µg/L	GE	0
		Total dissolved solids		19,000		31,000	1		µg/L	GE	0
		Total organic carbon		<5,000		<5,000	1		µg/L	GE	0
		Total organic halogens		<7.2		25	1		µg/L	GE	0
		1,1,1-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		Trichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Trichlorofluoromethane		2.8		<1.0	1		µg/L	GE	0
		Tritium		1.2E+01		1.2E+01	1		pCi/mL	GP	1
		Zinc, total recoverable		<3.7		3.4	1	JE	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 19DR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75520.0 E56800.7	33.285478 °N 81.663929 °W	216.7-196.7 ft msl	293.8 ft msl	2" PVC	V	Water Table (IIB2)

SAMPLE DATE	04/04/97	11/04/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation		230.4		229.4	ft msl
pH		4.2		4.8	pH
Sp. conductance		32		34	µS/cm
Water temperature		26.0		18.0	°C
Alkalinity as CaCO ₃		3		0	mg/L
Turbidity		0		2	NTU
Volume purged		3.1		3.0	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)		1,000		2,800	1		µg/L	GE	
		Antimony, total recoverable		<15		<10	1		µg/L	GE	0
		Arsenic, total recoverable		<10		<5.0	1		µg/L	GE	0
		Barium, total recoverable		12		10	1		µg/L	GE	0
		Benzene		<2.0		<1.0	1		µg/L	GE	0
		Boron, total recoverable		<500		<50	1		µg/L	GE	0
		Bromodichloromethane		<2.0		<1.0	1		µg/L	GE	0
		Bromoform		<2.0		<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)		<2.0		<1.0	1		µg/L	GE	0
		Cadmium, total recoverable		<10		<5.0	1		µg/L	GE	0
		Carbon tetrachloride		<2.0		<1.0	1		µg/L	GE	0
		Carbon-14		9.3E-01		2.8E+00	1	UI	pCi/L	GP	0
		Chlorobenzene		<2.0		<1.0	1		µg/L	GE	0
		Chloroethane		<2.0		<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)		<2.0		<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether		<5.0		<5.0	1		µg/L	GE	0
		Chloroform		<2.0		<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)		<2.0		<1.0	1		µg/L	GE	0
		Chromium, total recoverable		<20		<5.0	1		µg/L	GE	0
		Copper, total recoverable		<20		15	1		µg/L	GE	0
		Dibromochloromethane		<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,2-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Dichloromethane		<5.0		<1.0	1		µg/L	GE	0
		1,2-Dichloropropane		<2.0		<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		Ethylbenzene		<2.0		<1.0	1		µg/L	GE	0
		Gross alpha		7.0E-01		5.6E+00	1		pCi/L	GP	0
		Lead, total recoverable		<15		120	1		µg/L	GE	2
		Lithium, total recoverable		<25		<25	1		µg/L	GE	0
		Mercury, total recoverable		<1.0		<0.20	1		µg/L	GE	0
		Nickel, total recoverable		<20		<5.0	1		µg/L	GE	0
■		Nonvolatile beta		1.2E+00		9.7E+01	1		pCi/L	GP	2
		Phenols		<25		<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting		1.2E+00		1.2E+00	1		pCi/L	GP	0
		Selenium, total recoverable		<10		<5.0	1		µg/L	GE	0
		Silver, total recoverable		<10		<5.0	1		µg/L	GE	0
		Strontium-90		3.4E-02		4.2E-01	1	UI	pCi/L	GP	0
		Sulfate		<5,000		150	1	JE	µg/L	GE	0
		1,1,2,2-Tetrachloroethane		<2.0		<1.0	1		µg/L	GE	0
		Tetrachloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Tin, total recoverable		<100		<10	1		µg/L	GE	0
		Toluene		<2.0		<1.0	1		µg/L	GE	0
		Total dissolved solids		26,000		28,000	1		µg/L	GE	0
		Total organic carbon		<5,000		<5,000	1		µg/L	GE	0
		Total organic halogens		<7.9		<10	1		µg/L	GE	0
		1,1,1-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		Trichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Trichlorofluoromethane		<2.0		<1.0	1		µg/L	GE	0
■		Tritium		8.5E+01		9.5E+01	1		pCi/mL	GP	2
		Zinc, total recoverable		<9.1		8.8	1	J	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 20A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74966.4 E57100.4	33.284743 °N 81.662064 °W	96.3-86.3 ft msl	283.9 ft msl	2" PVC	V	U. Congaree (IIA)

SAMPLE DATE	04/07/97	11/10/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation		162.6		162.4	ft msl
pH		8.8		6.7	pH
Sp. conductance		200		220	µS/cm
Water temperature		25.0		20.0	°C
Alkalinity as CaCO ₃		99		94	mg/L
Turbidity		1		1	NTU
Volume purged		2.5		3.8	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)		78,000		93,000	1		µg/L	GE	
		Antimony, total recoverable		<15		<10	1		µg/L	GE	0
		Arsenic, total recoverable		<10		<5.0	1		µg/L	GE	0
		Barium, total recoverable		42		44	1		µg/L	GE	0
		Benzene		<2.0		<1.0	1		µg/L	GE	0
		Boron, total recoverable		<500		<50	1		µg/L	GE	0
		Bromodichloromethane		<2.0		<1.0	1		µg/L	GE	0
		Bromoform		<2.0		<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)		<2.0		<1.0	1		µg/L	GE	0
		Cadmium, total recoverable		<10		<5.0	1		µg/L	GE	0
		Carbon tetrachloride		<2.0		<1.0	1		µg/L	GE	0
		Carbon-14		1.6E+00		-2.1E-01	1	UI	pCi/L	GP	0
		Chlorobenzene		<2.0		<1.0	1		µg/L	GE	0
		Chloroethane		<2.0		<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)		<2.0		<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether		<5.0		<5.0	1		µg/L	GE	0
		Chloroform		<2.0		<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)		<2.0		<1.0	1		µg/L	GE	0
		Chromium, total recoverable		<20		<5.0	1		µg/L	GE	0
		Copper, total recoverable		<20		<5.0	1		µg/L	GE	0
		Dibromochloromethane		<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,2-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Dichloromethane		<5.0		<1.0	1		µg/L	GE	0
		1,2-Dichloropropane		<2.0		<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		Ethylbenzene		<2.0		<1.0	1		µg/L	GE	0
		Gross alpha		1.2E+00		6.7E-01	1		pCi/L	GP	0
		Lead, total recoverable		<15		<5.0	1		µg/L	GE	0
		Lithium, total recoverable		32		23	1	JE	µg/L	GE	0
		Mercury, total recoverable		<1.0		<0.20	1		µg/L	GE	0
		Nickel, total recoverable		<20		<5.0	1		µg/L	GE	0
		Nonvolatile beta		2.3E+01		1.9E+01	1		pCi/L	GP	0
		Phenols		<25		<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting		2.0E-01		0.0E+00	1	UI	pCi/L	GP	0
		Selenium, total recoverable		2.3		<5.0	1		µg/L	GE	0
		Silver, total recoverable		<10		<5.0	1		µg/L	GE	0
		Strontium-90		8.3E-01		2.5E-02	1	UJI	pCi/L	GP	0
		Sulfate		7,800		7,600	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane		<2.0		<1.0	1		µg/L	GE	0
		Tetrachloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Tin, total recoverable		<100		<10	1		µg/L	GE	0
		Toluene		<2.0		0.29	1	JE	µg/L	GE	0
		Total dissolved solids		150,000		160,000	1	V	µg/L	GE	0
		Total organic carbon		<5,000		<5,000	1		µg/L	GE	0
		Total organic halogens		<10		4.7	1	JE	µg/L	GE	0
		1,1,1-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		Trichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Trichlorofluoromethane		<2.0		<1.0	1		µg/L	GE	0
		Tritium		-2.3E-02		6.9E-02	1	UI	pCi/mL	GP	0
		Zinc, total recoverable		9.0		<1.7	1	V	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 20AA

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74949.8	33.284688 °N	28.3-18.3 ft msl	283.6 ft msl	2" PVC	V	L. Congaree (IIA)
E57089.5	81.662061 °W					

SAMPLE DATE	04/07/97	11/10/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation		161.1		161.1	ft msl
pH		8.6		9.0	pH
Sp. conductance		180		190	µS/cm
Water temperature		26.0		20.0	°C
Alkalinity as CaCO ₃		72		91	mg/L
Turbidity		1		0	NTU
Volume purged		3.5			well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)		63,000		74,000	1		µg/L	GE	
		Antimony, total recoverable		<15		<10	1		µg/L	GE	0
		Arsenic, total recoverable		4.3		<5.0	1		µg/L	GE	0
		Barium, total recoverable		60		69	1		µg/L	GE	0
		Benzene		<2.0		<1.0	1		µg/L	GE	0
		Boron, total recoverable		<500		<50	1		µg/L	GE	0
		Bromodichloromethane		<2.0		<1.0	1		µg/L	GE	0
		Bromoform		<2.0		<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)		<2.0		<1.0	1		µg/L	GE	0
		Cadmium, total recoverable		<10		<5.0	1		µg/L	GE	0
		Carbon tetrachloride		<2.0		<1.0	1		µg/L	GE	0
		Carbon-14		<i>2.8E+00</i>		<i>4.8E+00</i>	1	UI	pCi/L	GP	0
		Chlorobenzene		<2.0		<1.0	1		µg/L	GE	0
		Chloroethane		<2.0		<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)		<2.0		<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether		<5.0		<5.0	1		µg/L	GE	0
		Chloroform		<2.0		<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)		<2.0		0.55	1	JE	µg/L	GE	0
		Chromium, total recoverable		<20		<5.0	1		µg/L	GE	0
		Copper, total recoverable		<20		1.6	1	JE	µg/L	GE	0
		Dibromochloromethane		<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,2-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Dichloromethane		<5.0		<1.0	1		µg/L	GE	0
		1,2-Dichloropropane		<2.0		<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		Ethylbenzene		<2.0		<1.0	1		µg/L	GE	0
		Gross alpha		<i>6.7E-01</i>		<i>1.2E+00</i>	1		pCi/L	GP	0
		Lead, total recoverable		<15		<5.0	1		µg/L	GE	0
		Lithium, total recoverable		39		36	1		µg/L	GE	0
		Mercury, total recoverable		<1.0		<0.20	1		µg/L	GE	0
		Nickel, total recoverable		<20		<5.0	1		µg/L	GE	0
		Nonvolatile beta		<i>1.1E+01</i>		<i>1.2E+01</i>	1		pCi/L	GP	0
		Phenols		<25		<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting		<i>5.0E-01</i>		<i>2.0E-01</i>	1	UI	pCi/L	GP	0
		Selenium, total recoverable		<10		2.4	1	JE	µg/L	GE	0
		Silver, total recoverable		<10		<5.0	1		µg/L	GE	0
		Strontium-90		<i>7.4E-01</i>		<i>3.4E-02</i>	1	UJI	pCi/L	GP	0
		Sulfate		9,900		9,900	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane		<2.0		<1.0	1		µg/L	GE	0
		Tetrachloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Tin, total recoverable		<100		<10	1		µg/L	GE	0
		Toluene		<2.0		<1.0	1		µg/L	GE	0
		Total dissolved solids		130,000		140,000	1	V	µg/L	GE	
		Total organic carbon		<5,000		<5,000	1		µg/L	GE	0
		Total organic halogens		<10		<10	1		µg/L	GE	0
		1,1,1-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		Trichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Trichlorofluoromethane		<2.0		<1.0	1		µg/L	GE	0
		Tritium		<i>-2.2E-01</i>		<i>1.7E-01</i>	1	UI	pCi/mL	GP	0
		Zinc, total recoverable		3.6		<2.2	1	V	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 20B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74951.5 E57119.8	33.284742 °N 81.661984 °W	141.0-131.0 ft msl	283.5 ft msl	2" PVC	V	McBean (IIB1)

SAMPLE DATE	04/07/97	11/10/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation		226.2		225.5	ft msl
pH		6.4		6.5	pH
Sp. conductance		100		98	µS/cm
Water temperature		25.0		20.0	°C
Alkalinity as CaCO ₃		50		50	mg/L
Turbidity		7		6	NTU
Volume purged		3.6		3.4	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)		38,000		41,000	1		µg/L	GE	
		Antimony, total recoverable		<15		<10	1		µg/L	GE	0
		Arsenic, total recoverable		<10		<5.0	1		µg/L	GE	0
		Barium, total recoverable		12		12	1		µg/L	GE	0
		Benzene		<2.0		<1.0	1		µg/L	GE	0
		Boron, total recoverable		<500		<50	1		µg/L	GE	0
		Bromodichloromethane		<2.0		<1.0	1		µg/L	GE	0
		Bromoform		<2.0		<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)		<2.0		<1.0	1		µg/L	GE	0
		Cadmium, total recoverable		<10		<5.0	1		µg/L	GE	0
		Carbon tetrachloride		<2.0		<1.0	1		µg/L	GE	0
		Carbon-14		-2.0E+00		-3.5E+00	1	UI	pCi/L	GP	0
		Chlorobenzene		<2.0		<1.0	1		µg/L	GE	0
		Chloroethane		<2.0		<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)		<2.0		<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether		<5.0		<5.0	1		µg/L	GE	0
		Chloroform		<2.0		<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)		<2.0		<1.0	1		µg/L	GE	0
		Chromium, total recoverable		6.6		6.8	1		µg/L	GE	0
		Copper, total recoverable		<20		1.7	1	JE	µg/L	GE	0
		Dibromochloromethane		<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,2-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Dichloromethane		<5.0		<1.0	1		µg/L	GE	0
		1,2-Dichloropropane		<2.0		<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		Ethylbenzene		<2.0		<1.0	1		µg/L	GE	0
		Gross alpha		5.4E-01		2.6E-01	1	UI	pCi/L	GP	0
		Lead, total recoverable		<15		0.81	1	JE	µg/L	GE	0
		Lithium, total recoverable		<12		<25	1		µg/L	GE	0
		Mercury, total recoverable		<1.0		<0.20	1		µg/L	GE	0
		Nickel, total recoverable		<20		<5.0	1		µg/L	GE	0
		Nonvolatile beta		1.5E+00		5.3E+00	1		pCi/L	GP	0
		Phenols		<25		<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting		3.0E-01		0.0E+00	1	UI	pCi/L	GP	0
		Selenium, total recoverable		<10		1.8	1	JE	µg/L	GE	0
		Silver, total recoverable		<10		<5.0	1		µg/L	GE	0
		Strontium-90		-5.2E-01		-1.6E-01	1	UJI	pCi/L	GP	0
		Sulfate		<5,000		760	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane		<2.0		<1.0	1		µg/L	GE	0
		Tetrachloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Tin, total recoverable		<100		<10	1		µg/L	GE	0
		Toluene		<2.0		<1.0	1		µg/L	GE	0
		Total dissolved solids		59,000		79,000	1	V	µg/L	GE	0
		Total organic carbon		<5,000		<5,000	1		µg/L	GE	0
		Total organic halogens		<10		<10	1		µg/L	GE	0
		1,1,1-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		Trichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Trichlorofluoromethane		<2.0		<1.0	1		µg/L	GE	0
		Tritium		-1.3E-01		1.9E-01	1	UI	pCi/mL	GP	0
		Zinc, total recoverable		9.5		<12	1	V	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 20C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74937.6 E57106.0	33.284688 °N 81.661993 °W	184.0-174.0 ft msl	283.5 ft msl	2" PVC	V	Barnwell (IIB1)

SAMPLE DATE 04/07/97 11/10/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation		227.4		226.7	ft msl
pH		4.6		5.1	pH
Sp. conductance		28		27	µS/cm
Water temperature		26.0		20.0	°C
Alkalinity as CaCO ₃		6		3	mg/L
Turbidity		1		0	NTU
Volume purged		2.7		4.9	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Acenaphthene				<10	1		µg/L	GE	0
		Acenaphthylene				<10	1		µg/L	GE	0
		Acetone				<5.0	1		µg/L	GE	0
		Acetonitrile (Methyl cyanide)				<5.0	1		µg/L	GE	0
		Acetophenone				<10	1		µg/L	GE	0
		2-Acetylaminofluorene				<10	1		µg/L	GE	0
		Acrolein				<10	1		µg/L	GE	0
		Acrylonitrile				<10	1		µg/L	GE	0
		Actinium-228				4.0E+00	1	UI	pCi/L	GP	0
		Aldrin				<0.020	1		µg/L	GE	0
		Alkalinity (as CaCO ₃)		4,200		1,900,000	1		µg/L	GE	0
		Allyl chloride				<5.0	1		µg/L	GE	0
		Americium-241				1.9E-01	1	UJI	pCi/L	GP	0
		4-Aminobiphenyl				<10	1		µg/L	GE	0
		Aniline				<10	1		µg/L	GE	0
		Anthracene				<10	1		µg/L	GE	0
		Antimony, total recoverable		<15		<10	1		µg/L	GE	0
		Antimony-125				2.0E+00	1	UI	pCi/L	GP	0
		Aramite				<10	1		µg/L	GE	0
		Arsenic, total recoverable		<10		<5.0	1		µg/L	GE	0
		Barium, total recoverable		4.5		4.8	1	JE	µg/L	GE	0
		Benzene		<2.0		<1.0	1		µg/L	GE	0
		alpha-Benzene hexachloride				<0.020	1		µg/L	GE	0
		beta-Benzene hexachloride				<0.020	1		µg/L	GE	0
		delta-Benzene hexachloride				<0.020	1		µg/L	GE	0
		Benzo(a)anthracene				<10	1		µg/L	GE	0
		Benzo(b)fluoranthene				<10	1		µg/L	GE	0
		Benzo(k)fluoranthene				<10	1		µg/L	GE	0
		Benzo(g,h,i)perylene				<10	1		µg/L	GE	0
		Benzo(a)pyrene				<10	1		µg/L	GE	0
		Benzyl alcohol				<10	1		µg/L	GE	0
		Beryllium, total recoverable				<5.0	1		µg/L	GE	0
		Bis(2-chloroethoxy) methane				<10	1		µg/L	GE	0
		Bis(2-chloroethyl) ether				<10	1		µg/L	GE	0
		Bis(2-chloroisopropyl) ether				<10	1		µg/L	GE	0
		Bis(2-ethylhexyl) phthalate				<10	1		µg/L	GE	0
		Boron, total recoverable		<500		<50	1		µg/L	GE	0
		Bromodichloromethane		<2.0		<1.0	1		µg/L	GE	0
		Bromoform		<2.0		<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)		<2.0		<1.0	1		µg/L	GE	0
		4-Bromophenyl phenyl ether				<10	1		µg/L	GE	0
		Butylbenzyl phthalate				<10	1		µg/L	GE	0
		2-sec-Butyl-4,6-dinitrophenol				<10	1		µg/L	GE	0
		Cadmium, total recoverable		<10		9.5	1		µg/L	GE	2
		Carbon disulfide				<5.0	1		µg/L	GE	0
		Carbon tetrachloride		<2.0		<1.0	1		µg/L	GE	0
		Carbon-14		-3.1E-01		3.3E+00	1	UI	pCi/L	GP	0
		Cerium-144				1.2E+01	1	UI	pCi/L	GP	0
		Cesium-134				-2.9E-01	1	UI	pCi/L	GP	0
		Cesium-137				2.7E-01	1	UI	pCi/L	GP	0
		Chlordane				<0.098	1		µg/L	GE	0
		4-Chloroaniline				<20	1		µg/L	GE	0
		Chlorobenzene		<2.0		<1.0	1		µg/L	GE	0
		Chlorobenzilate				<10	1		µg/L	GE	0
		4-Chloro-m-cresol				<10	1		µg/L	GE	0
		Chloroethane		<2.0		<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)		<2.0		<1.0	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 20C (cont.)

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		2-Chloroethyl vinyl ether		<5.0					µg/L		
		Chloroform		<2.0		<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)		<2.0		<1.0	1		µg/L	GE	0
		2-Chloronaphthalene				<10	1		µg/L	GE	0
		2-Chlorophenol				<10	1		µg/L	GE	0
		4-Chlorophenyl phenyl ether				<10	1		µg/L	GE	0
		Chloroprene				<2.0	1		µg/L	GE	0
		Chromium, total recoverable		<20		3.3	1	JE	µg/L	GE	0
		Chrysene				<10	1		µg/L	GE	0
		Cobalt, total recoverable				<5.0	1		µg/L	GE	0
		Cobalt-57				<i>-2.1E-01</i>	1	UI	pCi/L	GP	0
		Cobalt-60				<i>2.9E-01</i>	1	UI	pCi/L	GP	0
		Copper, total recoverable		<20		2.8	1	JE	µg/L	GE	0
		m/p-Cresol				<10	1		µg/L	GE	0
		o-Cresol (2-Methylphenol)				<10	1		µg/L	GE	0
		Curium-242				<i>6.1E-02</i>	1	UI	pCi/L	GP	0
		Curium-243/244				<i>3.2E-01</i>	1	UI	pCi/L	GP	0
		Curium-245/246				<i>3.8E-02</i>	1	UI	pCi/L	GP	0
		Cyanide				<10	1		µg/L	GE	0
		p,p'-DDD				<0.039	1		µg/L	GE	0
		p,p'-DDE				<0.039	1		µg/L	GE	0
		p,p'-DDT				<0.039	1		µg/L	GE	0
		Diallate				<10	1		µg/L	GE	0
		Dibenz(a,h)anthracene				<10	1		µg/L	GE	0
		Dibenzofuran				<10	1		µg/L	GE	0
		Dibromochloromethane		<2.0		<1.0	1		µg/L	GE	0
		1,2-Dibromo-3-chloropropane				<1.0	1		µg/L	GE	0
		1,2-Dibromoethane				<1.0	1		µg/L	GE	0
		Dibromomethane (Methylene bromide)				<1.0	1		µg/L	GE	0
		Di-n-butyl phthalate				<10	1		µg/L	GE	0
		1,2-Dichlorobenzene				<10	1		µg/L	GE	0
		1,3-Dichlorobenzene				<10	1		µg/L	GE	0
		1,4-Dichlorobenzene				<10	1		µg/L	GE	0
		3,3'-Dichlorobenzidine				<51	1		µg/L	GE	0
		trans-1,4-Dichloro-2-butene				<5.0	1		µg/L	GE	0
		Dichlorodifluoromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,2-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Dichloromethane		<5.0		<1.0	1		µg/L	GE	0
		2,4-Dichlorophenol				<10	1		µg/L	GE	0
		2,6-Dichlorophenol				<10	1		µg/L	GE	0
		2,4-Dichlorophenoxyacetic acid				<0.10	10	J	µg/L	GE	0
		1,2-Dichloropropane		<2.0		<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		Dieldrin				<0.039	1		µg/L	GE	0
		Diethyl phthalate				<10	1		µg/L	GE	0
		Dimethoate				<10	1		µg/L	GE	0
		2,4-Dimethyl phenol				<10	1		µg/L	GE	0
		Dimethyl phthalate				<10	1		µg/L	GE	0
		p-Dimethylaminoazobenzene				<10	1		µg/L	GE	0
		7,12-Dimethylbenz(a)anthracene				<10	1		µg/L	GE	0
		3,3'-Dimethylbenzidine				<10	1		µg/L	GE	0
		a,a-Dimethylphenethylamine				<10	1		µg/L	GE	0
		1,3-Dinitrobenzene				<10	1		µg/L	GE	0
		2,4-Dinitrophenol				<20	1		µg/L	GE	0
		2,4-Dinitrotoluene				<10	1		µg/L	GE	0
		2,6-Dinitrotoluene				<10	1		µg/L	GE	0
		Di-n-octyl phthalate				<10	1		µg/L	GE	0
		1,4-Dioxane				<10	1		µg/L	GE	0
		Diphenylamine				<10	1		µg/L	GE	0
		Disulfoton				<10	1		µg/L	GE	0
		Endosulfan sulfate				<0.039	1		µg/L	GE	0
		Endosulfan I				<0.020	1		µg/L	GE	0
		Endosulfan II				<0.039	1		µg/L	GE	0
		Endrin				<0.039	1		µg/L	GE	0
		Endrin aldehyde				<0.039	1		µg/L	GE	0
		Ethyl methacrylate				<10	1		µg/L	GE	0
		Ethyl methanesulfonate				<10	1		µg/L	GE	0
		Ethylbenzene		<2.0		<1.0	1		µg/L	GE	0
		Europium-152				<i>3.9E+00</i>	1	UI	pCi/L	GP	0
		Europium-154				<i>-1.8E+00</i>	1	UI	pCi/L	GP	0
		Europium-155				<i>7.1E+00</i>	1	UI	pCi/L	GP	0
		Famphur				<10	1		µg/L	GE	0
		Fluoranthene				<10	1		µg/L	GE	0
		Fluorene				<10	1		µg/L	GE	0
		Gross alpha		3.6E-01		<i>3.6E-01</i>	1	UI	pCi/L	GP	0
		Heptachlor				<0.020	1		µg/L	GE	0
		Heptachlor epoxide				<0.020	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 20C (cont.)

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Hexachlorobenzene				<10	1		µg/L	GE	0
		Hexachlorobutadiene				<10	1		µg/L	GE	0
		Hexachlorocyclopentadiene				<10	1		µg/L	GE	0
		Hexachloroethane				<10	1		µg/L	GE	0
		Hexachlorophene				<510	1		µg/L	GE	0
		Hexachloropropene				<10	1		µg/L	GE	0
		2-Hexanone				<5.0	1		µg/L	GE	0
		1,2,3,4,6,7,8-HPCDD				<0.010	1		µg/L	GE	0
		1,2,3,4,6,7,8-HPCDF				<0.010	1		µg/L	GE	0
		1,2,3,4,7,8-HXCDD				<0.010	1		µg/L	GE	0
		1,2,3,4,7,8-HXCDF				<0.010	1		µg/L	GE	0
		Indeno(1,2,3-c,d)pyrene				<10	1		µg/L	GE	0
		Iodomethane (Methyl iodide)				<5.0	1		µg/L	GE	0
		Isobutyl alcohol				<10	1		µg/L	GE	0
		Isodrin				<10	1		µg/L	GE	0
		Isophorone				<10	1		µg/L	GE	0
		Isosafrole				<10	1		µg/L	GE	0
		Kepone				<10	1		µg/L	GE	0
		Lead, total recoverable		<15		12	1		µg/L	GE	0
		Lead-212				1.1E-01	1	UI	pCi/L	GP	0
		Lindane				<0.020	1		µg/L	GE	0
		Lithium, total recoverable		<9.8		<25	1		µg/L	GE	0
		Manganese-54				7.5E-01	1	UI	pCi/L	GP	0
		Mercury, total recoverable		<1.0		<0.20	1		µg/L	GE	0
		Methacrylonitrile				<5.0	1		µg/L	GE	0
		Methapyrilene				<10	1		µg/L	GE	0
		Methoxychlor				<0.20	1		µg/L	GE	0
		2-Methyl-4,6-dinitrophenol				<10	1		µg/L	GE	0
		Methyl ethyl ketone				<5.0	1		µg/L	GE	0
		Methyl isobutyl ketone				<5.0	1		µg/L	GE	0
		Methyl methacrylate				<5.0	1		µg/L	GE	0
		Methyl methanesulfonate				<10	1		µg/L	GE	0
		3-Methylcholanthrene				<10	1		µg/L	GE	0
		2-Methylnaphthalene				<10	1		µg/L	GE	0
		Naphthalene				<10	1		µg/L	GE	0
		1,4-Naphthoquinone				<10	1		µg/L	GE	0
		1-Naphthylamine				<10	1		µg/L	GE	0
		2-Naphthylamine				<10	1		µg/L	GE	0
		Neptunium-237				3.4E-02	1	UI	pCi/L	GP	0
		Nickel, total recoverable		<20		<5.0	1		µg/L	GE	0
		m-Nitroaniline				<10	1		µg/L	GE	0
		o-Nitroaniline				<10	1		µg/L	GE	0
		p-Nitroaniline				<10	1		µg/L	GE	0
		Nitrobenzene				<10	1		µg/L	GE	0
		2-Nitrophenol				<10	1		µg/L	GE	0
		4-Nitrophenol				<20	1	J	µg/L	GE	0
		4-Nitroquinoline-1-oxide				<10	1		µg/L	GE	0
		N-Nitrosodi-n-butylamine				<10	1		µg/L	GE	0
		N-Nitrosodiethylamine				<10	1		µg/L	GE	0
		N-Nitrosodimethylamine				<10	1		µg/L	GE	0
		N-Nitrosodiphenylamine				<10	1		µg/L	GE	0
		N-Nitrosodipropylamine				<10	1		µg/L	GE	0
		N-Nitrosomethylethylamine				<10	1		µg/L	GE	0
		N-Nitrosomorpholine				<10	1		µg/L	GE	0
		N-Nitrosopiperidine				<10	1		µg/L	GE	0
		N-Nitrosopyrrolidine				<10	1		µg/L	GE	0
		5-Nitro-o-toluidine				<10	1		µg/L	GE	0
		Nonvolatile beta		2.2E+00		3.1E+00	1		pCi/L	GP	0
		Octachlorodibenzo-p-dioxin				<0.010	1		µg/L	GE	0
		Octachlorodibenzo-p-furan				<0.010	1		µg/L	GE	0
		Parathion				<0.049	1		µg/L	GE	0
		Parathion methyl				<0.049	1		µg/L	GE	0
		PCB 1016				<0.12	1		µg/L	GE	0
		PCB 1221				<0.12	1		µg/L	GE	0
		PCB 1232				<0.12	1		µg/L	GE	0
		PCB 1242				<0.12	1		µg/L	GE	0
		PCB 1248				<0.12	1		µg/L	GE	0
		PCB 1254				<0.12	1		µg/L	GE	0
		PCB 1260				<0.12	1		µg/L	GE	0
		1,2,3,7,8-PCDD				<0.010	1		µg/L	GE	0
		1,2,3,7,8-PCDF				<0.0010	1		µg/L	GE	0
		Pentachlorobenzene				<10	1		µg/L	GE	0
		Pentachloroethane				<10	1		µg/L	GE	0
		Pentachloronitrobenzene				<10	1		µg/L	GE	0
		Pentachlorophenol				<10	1		µg/L	GE	0
		Phenacetin				<10	1		µg/L	GE	0
		Phenanthrene				<10	1		µg/L	GE	0
		Phenol				<10	1	J	µg/L	GE	0
		Phenols		<25		<5.0	1		µg/L	GE	0
		p-Phenylenediamine				<10	1		µg/L	GE	0
		Phorate				<0.049	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 20C (cont.)

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		2-Picoline				<10	1		µg/L	GE	0
		Plutonium-238				2.9E-01	1	J	pCi/L	GP	0
		Plutonium-239/240				3.9E-02	1	UI	pCi/L	GP	0
		Potassium-40				1.2E+01	1	UI	pCi/L	GP	0
		Promethium-144				-1.4E-01	1	UI	pCi/L	GP	0
		Promethium-146				-5.6E-01	1	UI	pCi/L	GP	0
		Pronamid				<10	1		µg/L	GE	0
		Propionitrile				<10	1		µg/L	GE	0
		Pyrene				<10	1		µg/L	GE	0
		Pyridine				<10	1		µg/L	GE	0
		Radium, total alpha-emitting		3.0E-01		8.0E-01	1		pCi/L	GP	0
		Ruthenium-106				-4.4E+00	1	UI	pCi/L	GP	0
		Safrole				<10	1		µg/L	GE	0
		Selenium, total recoverable		<10		<5.0	1		µg/L	GE	0
		Silver, total recoverable		<10		<5.0	1		µg/L	GE	0
		Sodium-22				-6.5E-01	1	UI	pCi/L	GP	0
		Strontium-90		-1.2E-02		-7.2E-02	1	UI	pCi/L	GP	0
		Styrene				<1.0	1		µg/L	GE	0
		Sulfate		<5,000		580	1		µg/L	GE	0
		Sulfide				<10,000	1		µg/L	GE	0
		Sulfotep				<10	1		µg/L	GE	0
		2,4,5-T				<0.10	10	J	µg/L	GE	0
		2,3,7,8-TCDD				<0.010	1		µg/L	GE	0
		2,3,7,8-TCDF				<0.010	1		µg/L	GE	0
		1,2,4,5-Tetrachlorobenzene				<10	1		µg/L	GE	0
		1,1,1,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane		<2.0		<1.0	1		µg/L	GE	0
		Tetrachloroethylene		<2.0		<1.0	1		µg/L	GE	0
		2,3,4,6-Tetrachlorophenol				<10	1		µg/L	GE	0
		Thallium, total recoverable				<5.0	1		µg/L	GE	0
		Thionazin				<10	1		µg/L	GE	0
		Thorium-228				2.5E-03	1	UI	pCi/L	GP	0
		Thorium-230				5.7E-02	1	R4	pCi/L	GP	0
		Thorium-232				-5.5E-05	1	UI	pCi/L	GP	0
		Tin, total recoverable		<100		<10	1		µg/L	GE	0
		Toluene		<2.0		<1.0	1		µg/L	GE	0
		o-Toluidine				<10	1		µg/L	GE	0
		Total dissolved solids		29,000		<36,000	1	V	µg/L	GE	0
		Total organic carbon		<5,000		<5,000	1		µg/L	GE	0
		Total organic halogens		<10		<10	1		µg/L	GE	0
		Toxaphene				<0.98	1		µg/L	GE	0
		2,4,5-TP (Silvex)				<0.10	10	J	µg/L	GE	0
		1,2,4-Trichlorobenzene				<10	1		µg/L	GE	0
		1,1,1-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		Trichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Trichlorofluoromethane		<2.0		<1.0	1		µg/L	GE	0
		2,4,5-Trichlorophenol				<10	1		µg/L	GE	0
		2,4,6-Trichlorophenol				<10	1		µg/L	GE	0
		1,2,3-Trichloropropane				<1.0	1		µg/L	GE	0
		O,O,O-Triethyl phosphorothioate				<10	1		µg/L	GE	0
		1,3,5-Trinitrobenzene				<10	1		µg/L	GE	0
		Tritium		3.6E+00		3.9E+00	1		pCi/mL	GP	0
		Uranium-233/234				6.1E-02	1	UI	pCi/L	GP	0
		Uranium-235				1.8E-02	1	UI	pCi/L	GP	0
		Uranium-238				1.8E-02	1	UI	pCi/L	GP	0
		Vanadium, total recoverable				<5.0	1		µg/L	GE	0
		Vinyl acetate				<5.0	1		µg/L	GE	0
		Xylenes				<1.0	1		µg/L	GE	0
		Yttrium-88				1.2E-01	1	UI	pCi/L	GP	0
		Zinc, total recoverable		6.6		<6.8	1	V	µg/L	GE	0
		Zinc-65				-1.3E+00	1	UI	pCi/L	GP	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 20D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74962.2 E57113.8	33.284755 °N 81.662021 °W	236.3-216.3 ft msl	283.7 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE	04/07/97	11/10/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation		232.4		231.6	ft msl
pH		4.4		5.3	pH
Sp. conductance		72		63	µS/cm
Water temperature		26.0		20.0	°C
Alkalinity as CaCO ₃		16		6	mg/L
Turbidity		13		11	NTU
Volume purged		0.0		0.20	well volume
Sampling code		AX		X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Acenaphthene				<10	1		µg/L	GE	0
		Acenaphthylene				<10	1		µg/L	GE	0
		Acetone				<5.0	1		µg/L	GE	0
		Acetonitrile (Methyl cyanide)				<5.0	1		µg/L	GE	0
		Acetophenone				<10	1		µg/L	GE	0
		2-Acetylaminofluorene				<10	1		µg/L	GE	0
		Acrolein				<10	1		µg/L	GE	0
		Acrylonitrile				<10	1		µg/L	GE	0
		Actinium-228				2.6E+00	1	UI	pCi/L	GP	0
		Aldrin				<0.020	1		µg/L	GE	0
		Alkalinity (as CaCO ₃)		17,000		1,800,000	1		µg/L	GE	0
		Allyl chloride				<5.0	1		µg/L	GE	0
		Americium-241				1.7E-01	1	UJI	pCi/L	GP	0
		4-Aminobiphenyl				<10	1		µg/L	GE	0
		Aniline				<10	1		µg/L	GE	0
		Anthracene				<10	1		µg/L	GE	0
		Antimony, total recoverable		<15		1.7	1	JE	µg/L	GE	0
		Antimony-125				3.2E+00	1	UI	pCi/L	GP	0
		Aramite				<10	1		µg/L	GE	0
		Arsenic, total recoverable		<10		<5.0	1		µg/L	GE	0
		Barium, total recoverable		45		48	1		µg/L	GE	0
		Benzene		<2.0		<1.0	1		µg/L	GE	0
		alpha-Benzene hexachloride				<0.020	1		µg/L	GE	0
		beta-Benzene hexachloride				<0.020	1		µg/L	GE	0
		delta-Benzene hexachloride				<0.020	1		µg/L	GE	0
		Benzo(a)anthracene				<10	1		µg/L	GE	0
		Benzo(b)fluoranthene				<10	1		µg/L	GE	0
		Benzo(k)fluoranthene				<10	1		µg/L	GE	0
		Benzo(g,h,i)perylene				<10	1		µg/L	GE	0
		Benzo(a)pyrene				<10	1		µg/L	GE	0
		Benzyl alcohol				<10	1		µg/L	GE	0
		Beryllium, total recoverable				<5.0	1		µg/L	GE	0
		Bis(2-chloroethoxy) methane				<10	1		µg/L	GE	0
		Bis(2-chloroethyl) ether				<10	1		µg/L	GE	0
		Bis(2-chloroisopropyl) ether				<10	1		µg/L	GE	0
		Bis(2-ethylhexyl) phthalate				<10	1		µg/L	GE	0
		Boron, total recoverable		<500		<50	1		µg/L	GE	0
		Bromodichloromethane		<2.0		<1.0	1		µg/L	GE	0
		Bromoform		<2.0		<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)		<2.0		<1.0	1		µg/L	GE	0
		4-Bromophenyl phenyl ether				<10	1		µg/L	GE	0
		Butylbenzyl phthalate				<10	1		µg/L	GE	0
		2-sec-Butyl-4,6-dinitrophenol				<10	1		µg/L	GE	0
		Cadmium, total recoverable		<10		<5.0	1		µg/L	GE	0
		Carbon disulfide				<5.0	1		µg/L	GE	0
		Carbon tetrachloride		<2.0		<1.0	1		µg/L	GE	0
		Carbon-14		1.7E+00		2.8E+00	1	UI	pCi/L	GP	0
		Cerium-144				-7.5E+00	1	UI	pCi/L	GP	0
		Cesium-134				4.7E-01	1	UI	pCi/L	GP	0
		Cesium-137				1.0E+00	1	UI	pCi/L	GP	0
		Chlordane				<0.099	1		µg/L	GE	0
		4-Chloroaniline				<20	1		µg/L	GE	0
		Chlorobenzene		<2.0		<1.0	1		µg/L	GE	0
		Chlorobenzilate				<10	1		µg/L	GE	0
		4-Chloro-m-cresol				<10	1		µg/L	GE	0
		Chloroethane		<2.0		<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)		<2.0		<1.0	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 20D (cont.)

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		2-Chloroethyl vinyl ether		<5.0					µg/L		
		Chloroform		<2.0		<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)		<2.0		<1.0	1		µg/L	GE	0
		2-Chloronaphthalene				<10	1		µg/L	GE	0
		2-Chlorophenol				<10	1		µg/L	GE	0
		4-Chlorophenyl phenyl ether				<10	1		µg/L	GE	0
		Chloroprene				<2.0	1		µg/L	GE	0
		Chromium, total recoverable		<20		0.77	1	JE	µg/L	GE	0
		Chrysene				<10	1		µg/L	GE	0
		Cobalt, total recoverable				<5.0	1		µg/L	GE	0
		Cobalt-57				<i>-3.5E-01</i>	1	UI	pCi/L	GP	0
		Cobalt-60				<i>1.7E+00</i>	1	UI	pCi/L	GP	0
		Copper, total recoverable		4.6		2.1	1	JE	µg/L	GE	0
		m/p-Cresol				<10	1		µg/L	GE	0
		o-Cresol (2-Methylphenol)				<10	1		µg/L	GE	0
		Curium-242				<i>8.4E-03</i>	1	UI	pCi/L	GP	0
		Curium-243/244				<i>7.6E-02</i>	1	UI	pCi/L	GP	0
		Curium-245/246				<i>-9.0E-03</i>	1	UI	pCi/L	GP	0
		Cyanide				<10	1		µg/L	GE	0
		p,p'-DDD				<0.040	1		µg/L	GE	0
		p,p'-DDE				<0.040	1		µg/L	GE	0
		p,p'-DDT				<0.040	1		µg/L	GE	0
		Diallate				<10	1		µg/L	GE	0
		Dibenz(a,h)anthracene				<10	1		µg/L	GE	0
		Dibenzofuran				<10	1		µg/L	GE	0
		Dibromochloromethane		<2.0		<1.0	1		µg/L	GE	0
		1,2-Dibromo-3-chloropropane				<1.0	1		µg/L	GE	0
		1,2-Dibromoethane				<1.0	1		µg/L	GE	0
		Dibromomethane (Methylene bromide)				<1.0	1		µg/L	GE	0
		Di-n-butyl phthalate				<10	1		µg/L	GE	0
		1,2-Dichlorobenzene				<10	1		µg/L	GE	0
		1,3-Dichlorobenzene				<10	1		µg/L	GE	0
		1,4-Dichlorobenzene				<10	1		µg/L	GE	0
		3,3'-Dichlorobenzidine				<50	1		µg/L	GE	0
		trans-1,4-Dichloro-2-butene				<5.0	1		µg/L	GE	0
		Dichlorodifluoromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,2-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Dichloromethane		<5.0		<1.0	1		µg/L	GE	0
		2,4-Dichlorophenol				<10	1		µg/L	GE	0
		2,6-Dichlorophenol				<10	1		µg/L	GE	0
		2,4-Dichlorophenoxyacetic acid				<0.10	10	J	µg/L	GE	0
		1,2-Dichloropropane		<2.0		<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		Dieldrin				<0.040	1		µg/L	GE	0
		Diethyl phthalate				<10	1		µg/L	GE	0
		Dimethoate				<10	1		µg/L	GE	0
		2,4-Dimethyl phenol				<10	1		µg/L	GE	0
		Dimethyl phthalate				<10	1		µg/L	GE	0
		p-Dimethylaminoazobenzene				<10	1		µg/L	GE	0
		7,12-Dimethylbenz(a)anthracene				<10	1		µg/L	GE	0
		3,3'-Dimethylbenzidine				<10	1		µg/L	GE	0
		a,a-Dimethylphenethylamine				<10	1		µg/L	GE	0
		1,3-Dinitrobenzene				<10	1		µg/L	GE	0
		2,4-Dinitrophenol				<20	1		µg/L	GE	0
		2,4-Dinitrotoluene				<10	1		µg/L	GE	0
		2,6-Dinitrotoluene				<10	1		µg/L	GE	0
		Di-n-octyl phthalate				<10	1		µg/L	GE	0
		1,4-Dioxane				<10	1		µg/L	GE	0
		Diphenylamine				<10	1		µg/L	GE	0
		Disulfoton				<10	1		µg/L	GE	0
		Endosulfan sulfate				<0.040	1		µg/L	GE	0
		Endosulfan I				<0.020	1		µg/L	GE	0
		Endosulfan II				<0.040	1		µg/L	GE	0
		Endrin				<0.040	1		µg/L	GE	0
		Endrin aldehyde				<0.040	1		µg/L	GE	0
		Ethyl methacrylate				<10	1		µg/L	GE	0
		Ethyl methanesulfonate				<10	1		µg/L	GE	0
		Ethylbenzene		<2.0		<1.0	1		µg/L	GE	0
		Europium-152				<i>1.6E+00</i>	1	UI	pCi/L	GP	0
		Europium-154				<i>2.5E+00</i>	1	UI	pCi/L	GP	0
		Europium-155				<i>2.9E+00</i>	1	UI	pCi/L	GP	0
		Famphur				<10	1		µg/L	GE	0
		Fluoranthene				<10	1		µg/L	GE	0
		Fluorene				<10	1		µg/L	GE	0
		Gross alpha		2.1E+00		<i>2.8E+00</i>	1		pCi/L	GP	0
		Heptachlor				<0.020	1		µg/L	GE	0
		Heptachlor epoxide				<0.020	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 20D (cont.)

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Hexachlorobenzene				<10	1		µg/L	GE	0
		Hexachlorobutadiene				<10	1		µg/L	GE	0
		Hexachlorocyclopentadiene				<10	1		µg/L	GE	0
		Hexachloroethane				<10	1		µg/L	GE	0
		Hexachlorophene				<500	1		µg/L	GE	0
		Hexachloropropene				<10	1		µg/L	GE	0
		2-Hexanone				<5.0	1		µg/L	GE	0
		1,2,3,4,6,7,8-HPCCDD				<0.010	1		µg/L	GE	0
		1,2,3,4,6,7,8-HPCCDF				<0.010	1		µg/L	GE	0
		1,2,3,4,7,8-HXCDD				<0.010	1		µg/L	GE	0
		1,2,3,4,7,8-HXCDF				<0.010	1		µg/L	GE	0
		Indeno(1,2,3-c,d)pyrene				<10	1		µg/L	GE	0
		Iodomethane (Methyl iodide)				<5.0	1		µg/L	GE	0
		Isobutyl alcohol				<10	1		µg/L	GE	0
		Isodrin				<10	1		µg/L	GE	0
		Isophorone				<10	1		µg/L	GE	0
		Isosafrole				<10	1		µg/L	GE	0
		Kepone				<10	1		µg/L	GE	0
		Lead, total recoverable	13			4.4	1	JE	µg/L	GE	0
		Lead-212				4.9E+00	1	UI	pCi/L	GP	0
		Lindane				<0.020	1		µg/L	GE	0
		Lithium, total recoverable	<25			<25	1		µg/L	GE	0
		Manganese-54				-1.1E+00	1	UI	pCi/L	GP	0
		Mercury, total recoverable	<1.0			<0.20	1		µg/L	GE	0
		Methacrylonitrile				<5.0	1		µg/L	GE	0
		Methapyrilene				<10	1		µg/L	GE	0
		Methoxychlor				<0.20	1		µg/L	GE	0
		2-Methyl-4,6-dinitrophenol				<10	1		µg/L	GE	0
		Methyl ethyl ketone				<5.0	1		µg/L	GE	0
		Methyl isobutyl ketone				<5.0	1		µg/L	GE	0
		Methyl methacrylate				<5.0	1		µg/L	GE	0
		Methyl methanesulfonate				<10	1		µg/L	GE	0
		3-Methylcholanthrene				<10	1		µg/L	GE	0
		2-Methylnaphthalene				<10	1		µg/L	GE	0
		Naphthalene				<10	1		µg/L	GE	0
		1,4-Naphthoquinone				<10	1		µg/L	GE	0
		1-Naphthylamine				<10	1		µg/L	GE	0
		2-Naphthylamine				<10	1		µg/L	GE	0
		Neptunium-237				2.1E-03	1	UI	pCi/L	GP	0
		Nickel, total recoverable	<20			<5.0	1		µg/L	GE	0
		m-Nitroaniline				<10	1		µg/L	GE	0
		o-Nitroaniline				<10	1		µg/L	GE	0
		p-Nitroaniline				<10	1		µg/L	GE	0
		Nitrobenzene				<10	1		µg/L	GE	0
		2-Nitrophenol				<10	1		µg/L	GE	0
		4-Nitrophenol				<20	1	J	µg/L	GE	0
		4-Nitroquinoline-1-oxide				<10	1		µg/L	GE	0
		N-Nitrosodi-n-butylamine				<10	1		µg/L	GE	0
		N-Nitrosodiethylamine				<10	1		µg/L	GE	0
		N-Nitrosodimethylamine				<10	1		µg/L	GE	0
		N-Nitrosodiphenylamine				<10	1		µg/L	GE	0
		N-Nitrosodipropylamine				<10	1		µg/L	GE	0
		N-Nitrosomethylethylamine				<10	1		µg/L	GE	0
		N-Nitrosomorpholine				<10	1		µg/L	GE	0
		N-Nitrosopiperidine				<10	1		µg/L	GE	0
		N-Nitrosopyrrolidine				<10	1		µg/L	GE	0
		5-Nitro-o-toluidine				<10	1		µg/L	GE	0
		Nonvolatile beta	1.3E+00			2.0E+00	1		pCi/L	GP	0
		Octachlorodibenzo-p-dioxin				<0.010	1		µg/L	GE	0
		Octachlorodibenzo-p-furan				<0.010	1		µg/L	GE	0
		Parathion				<0.050	1		µg/L	GE	0
		Parathion methyl				<0.050	1		µg/L	GE	0
		PCB 1016				<0.12	1		µg/L	GE	0
		PCB 1221				<0.12	1		µg/L	GE	0
		PCB 1232				<0.12	1		µg/L	GE	0
		PCB 1242				<0.12	1		µg/L	GE	0
		PCB 1248				<0.12	1		µg/L	GE	0
		PCB 1254				<0.12	1		µg/L	GE	0
		PCB 1260				<0.12	1		µg/L	GE	0
		1,2,3,7,8-PCDD				<0.010	1		µg/L	GE	0
		1,2,3,7,8-PCDF				<0.0010	1		µg/L	GE	0
		Pentachlorobenzene				<10	1		µg/L	GE	0
		Pentachloroethane				<10	1		µg/L	GE	0
		Pentachloronitrobenzene				<10	1		µg/L	GE	0
		Pentachlorophenol				<10	1		µg/L	GE	0
		Phenacetin				<10	1		µg/L	GE	0
		Phenanthrene				<10	1		µg/L	GE	0
		Phenol				<10	1	J	µg/L	GE	0
		Phenols	<25			<5.0	1		µg/L	GE	0
		p-Phenylenediamine				<10	1		µg/L	GE	0
		Phorate				<0.050	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 20D (cont.)

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		2-Picoline				<10	1		µg/L	GE	0
		Plutonium-238				7.3E-02	1	UJI	pCi/L	GP	0
		Plutonium-239/240				2.5E-02	1	UI	pCi/L	GP	0
		Potassium-40				2.4E+01	1	UI	pCi/L	GP	0
		Promethium-144				1.1E+00	1	UI	pCi/L	GP	0
		Promethium-146				3.9E-01	1	UI	pCi/L	GP	0
		Pronamid				<10	1		µg/L	GE	0
		Propionitrile				<10	1		µg/L	GE	0
		Pyrene				<10	1		µg/L	GE	0
		Pyridine				<10	1		µg/L	GE	0
		Radium, total alpha-emitting		9.0E-01		8.0E-01	1		pCi/L	GP	0
		Ruthenium-106				7.3E+00	1	UI	pCi/L	GP	0
		Safrole				<10	1		µg/L	GE	0
		Selenium, total recoverable		<10		<5.0	1		µg/L	GE	0
		Silver, total recoverable		<10		<5.0	1		µg/L	GE	0
		Sodium-22				9.1E-01	1	UI	pCi/L	GP	0
		Strontium-90		1.7E-01		1.7E-01	1	UJI	pCi/L	GP	0
		Styrene				<1.0	1		µg/L	GE	0
		Sulfate		<5,000		210	1		µg/L	GE	0
		Sulfide				<10,000	1	J3	µg/L	GE	0
		Sulfotep				<10	1		µg/L	GE	0
		2,4,5-T				<0.10	10		µg/L	GE	0
		2,3,7,8-TCDD				<0.010	1		µg/L	GE	0
		2,3,7,8-TCDF				<0.010	1		µg/L	GE	0
		1,2,4,5-Tetrachlorobenzene				<10	1		µg/L	GE	0
		1,1,1,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane		<2.0		<1.0	1		µg/L	GE	0
		Tetrachloroethylene		<2.0		<1.0	1		µg/L	GE	0
		2,3,4,6-Tetrachlorophenol				<10	1		µg/L	GE	0
		Thallium, total recoverable				<5.0	1		µg/L	GE	0
		Thionazin				<10	1		µg/L	GE	0
		Thorium-228				-5.3E-03	1	UI	pCi/L	GP	0
		Thorium-230				1.7E-02	1	UI	pCi/L	GP	0
		Thorium-232				5.0E-03	1	UI	pCi/L	GP	0
		Tin, total recoverable		<100		<10	1		µg/L	GE	0
		Toluene		<2.0		<1.0	1		µg/L	GE	0
		o-Toluidine				<10	1		µg/L	GE	0
		Total dissolved solids		47,000		51,000	1	V	µg/L	GE	0
		Total organic carbon		<5,000		470	1	JE	µg/L	GE	0
		Total organic halogens		<10		<10	1		µg/L	GE	0
		Toxaphene				<0.99	1		µg/L	GE	0
		2,4,5-TP (Silvex)				<0.10	10	J	µg/L	GE	0
		1,2,4-Trichlorobenzene				<10	1		µg/L	GE	0
		1,1,1-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		Trichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Trichlorofluoromethane		<2.0		<1.0	1		µg/L	GE	0
		2,4,5-Trichlorophenol				<10	1		µg/L	GE	0
		2,4,6-Trichlorophenol				<10	1		µg/L	GE	0
		1,2,3-Trichloropropane				<1.0	1		µg/L	GE	0
		O,O,O-Triethyl phosphorothioate				<10	1		µg/L	GE	0
		1,3,5-Trinitrobenzene				<10	1		µg/L	GE	0
■		Tritium		2.5E+01		2.8E+01	1		pCi/mL	GP	2
		Uranium-233/234				9.0E-02	1	UI	pCi/L	GP	0
		Uranium-235				3.6E-02	1	UI	pCi/L	GP	0
		Uranium-238				6.3E-02	1	UI	pCi/L	GP	0
		Vanadium, total recoverable				0.56	1	JE	µg/L	GE	0
		Vinyl acetate				<5.0	1		µg/L	GE	0
		Xylenes				<1.0	1		µg/L	GE	0
		Yttrium-88				1.7E+00	1	UI	pCi/L	GP	0
		Zinc, total recoverable		39		<17	1	V	µg/L	GE	0
		Zinc-65				9.4E-01	1	UI	pCi/L	GP	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 21D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74688.5 E57470.7	33.284732 °N 81.660549 °W	237.7-217.7 ft msl	285.4 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE	04/08/97	11/10/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation		233.2		232.3	ft msl
pH		4.4			pH
Sp. conductance		58			µS/cm
Water temperature		26.0			°C
Alkalinity as CaCO ₃		8			mg/L
Turbidity		12			NTU
Volume purged		0.0			well volume
Sampling code		X		P	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)		7,800					µg/L		
		Aluminum, total recoverable		460					µg/L		
		Antimony, total recoverable		<15					µg/L		
		Arsenic, total recoverable		2.9					µg/L		
		Barium, total recoverable		59					µg/L		
		Benzene		<2.0					µg/L		
		Boron, total recoverable		<500					µg/L		
		Bromodichloromethane		<2.0					µg/L		
		Bromoform		<2.0					µg/L		
		Bromomethane (Methyl bromide)		<2.0					µg/L		
		Cadmium, total recoverable		<10					µg/L		
		Carbon tetrachloride		<2.0					µg/L		
		Carbon-14		-1.8E+00					pCi/L		
		Chlorobenzene		<2.0					µg/L		
		Chloroethane		<2.0					µg/L		
		Chloroethene (Vinyl chloride)		<2.0					µg/L		
		2-Chloroethyl vinyl ether		<5.0					µg/L		
		Chloroform		<2.0					µg/L		
		Chloromethane (Methyl chloride)		<2.0					µg/L		
		Chromium, total recoverable		<20					µg/L		
		Copper, total recoverable		12					µg/L		
		Dibromochloromethane		<2.0					µg/L		
		1,1-Dichloroethane		<2.0					µg/L		
		1,2-Dichloroethane		<2.0					µg/L		
		1,1-Dichloroethylene		<2.0					µg/L		
		trans-1,2-Dichloroethylene		<2.0					µg/L		
		Dichloromethane		<5.0					µg/L		
		1,2-Dichloropropane		<2.0					µg/L		
		cis-1,3-Dichloropropene		<2.0					µg/L		
		trans-1,3-Dichloropropene		<2.0					µg/L		
		Ethylbenzene		<2.0					µg/L		
		Gross alpha		2.0E+00					pCi/L		
		Iron, total recoverable		780					µg/L		
		Lead, total recoverable		8.8					µg/L		
		Lithium, total recoverable		38					µg/L		
		Manganese, total recoverable		34					µg/L		
		Mercury, total recoverable		<1.0					µg/L		
		Nickel, total recoverable		<20					µg/L		
		Nonvolatile beta		1.8E+00					pCi/L		
		Phenols		<25					µg/L		
		Radium, total alpha-emitting		6.0E-01					pCi/L		
		Selenium, total recoverable		<10					µg/L		
		Silver, total recoverable		<10					µg/L		
		Strontium-90		8.2E-02					pCi/L		
		Sulfate		<5,000					µg/L		
		1,1,2,2-Tetrachloroethane		<2.0					µg/L		
		Tetrachloroethylene		<2.0					µg/L		
		Tin, total recoverable		<100					µg/L		
		Toluene		<2.0					µg/L		
		Total dissolved solids		28,000					µg/L		
		Total organic carbon		<5,000					µg/L		
		Total organic halogens		33					µg/L		
		1,1,1-Trichloroethane		<2.0					µg/L		
		1,1,2-Trichloroethane		<2.0					µg/L		
		Trichloroethylene		<2.0					µg/L		
		Trichlorofluoromethane		<2.0					µg/L		
		Tritium		2.8E+01					pCi/mL		
		Zinc, total recoverable		48					µg/L		

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 23D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74238.1 E58133.0	33.284817 °N 81.657930 °W	242.0-222.0 ft msl	289.2 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE	04/03/97	11/24/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation		234.2		233.3	ft msl
pH		4.8		6.0	pH
Sp. conductance		40		120	µS/cm
Water temperature		25.0		18.0	°C
Alkalinity as CaCO ₃		5		7	mg/L
Turbidity		8		45	NTU
Volume purged		4.3		0.14	well volume
Sampling code				X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Acenaphthene				<10	1		µg/L	GE	0
		Acenaphthylene				<10	1		µg/L	GE	0
		Acetone				<5.0	1		µg/L	GE	0
		Acetonitrile (Methyl cyanide)				<5.0	1		µg/L	GE	0
		Acetophenone				<10	1		µg/L	GE	0
		2-Acetylaminofluorene				<10	1		µg/L	GE	0
		Acrolein				<10	1		µg/L	GE	0
		Acrylonitrile				<10	1		µg/L	GE	0
		Actinium-228				1.2E+01	1	UI	pCi/L	GP	0
		Aldrin				<0.020	1		µg/L	GE	0
		Alkalinity (as CaCO ₃)		5,900		9,000	1		µg/L	GE	0
		Allyl chloride				<5.0	1		µg/L	GE	0
		Aluminum, total recoverable		<70					µg/L	GP	0
		Americium-241				6.7E-02	1	UJI	pCi/L	GP	0
		4-Aminobiphenyl				<10	1		µg/L	GE	0
		Aniline				<10	1		µg/L	GE	0
		Anthracene				<10	1		µg/L	GE	0
		Antimony, total recoverable		<15		<10	1		µg/L	GE	0
		Antimony-125				5.3E-01	1	UI	pCi/L	GP	0
		Aramite				<10	1		µg/L	GE	0
		Arsenic, total recoverable		<10		<5.0	1		µg/L	GE	0
		Barium, total recoverable		9.3		19	1		µg/L	GE	0
		Benzene		<2.0		<1.0	1		µg/L	GE	0
		alpha-Benzene hexachloride				<0.020	1		µg/L	GE	0
		beta-Benzene hexachloride				<0.020	1		µg/L	GE	0
		delta-Benzene hexachloride				<0.020	1		µg/L	GE	0
		Benzo(a)anthracene				<10	1		µg/L	GE	0
		Benzo(b)fluoranthene				<10	1		µg/L	GE	0
		Benzo(k)fluoranthene				<10	1		µg/L	GE	0
		Benzo(g,h,i)perylene				<10	1		µg/L	GE	0
		Benzo(a)pyrene				<10	1		µg/L	GE	0
		Benzyl alcohol				<10	1		µg/L	GE	0
		Beryllium, total recoverable				<5.0	1		µg/L	GE	0
		Bis(2-chloroethoxy) methane				<10	1		µg/L	GE	0
		Bis(2-chloroethyl) ether				<10	1		µg/L	GE	0
		Bis(2-chloroisopropyl) ether				<10	1		µg/L	GE	0
		Bis(2-ethylhexyl) phthalate				<10	1		µg/L	GE	0
		Boron, total recoverable		<500		<50	1		µg/L	GE	0
		Bromodichloromethane		<2.0		<1.0	1		µg/L	GE	0
		Bromoform		<2.0		<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)		<2.0		<1.0	1		µg/L	GE	0
		4-Bromophenyl phenyl ether				<10	1		µg/L	GE	0
		Butylbenzyl phthalate				<10	1		µg/L	GE	0
		2-sec-Butyl-4,6-dinitrophenol				<10	1		µg/L	GE	0
		Cadmium, total recoverable		<10		<5.0	1		µg/L	GE	0
		Carbon disulfide				<5.0	1		µg/L	GE	0
		Carbon tetrachloride		<2.0		<1.0	1		µg/L	GE	0
		Carbon-14		1.9E+00		6.9E+00	1	UI	pCi/L	GP	0
		Cerium-144				-1.0E+01	1	UI	pCi/L	GP	0
		Cesium-134				3.2E-01	1	UJI	pCi/L	GP	0
		Cesium-137				9.9E-01	1	UI	pCi/L	GP	0
		Chlordane				<0.10	1		µg/L	GE	0
		4-Chloroaniline				<21	1		µg/L	GE	0
		Chlorobenzene		<2.0		<1.0	1		µg/L	GE	0
		Chlorobenzilate				<10	1		µg/L	GE	0
		4-Chloro-m-cresol				<10	1	J	µg/L	GE	0
		Chloroethane		<2.0		<1.0	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 23D (cont.)

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Chloroethene (Vinyl chloride)		<2.0		<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether		<5.0					µg/L		
		Chloroform		<2.0		<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)		<2.0		<1.0	1		µg/L	GE	0
		2-Chloronaphthalene				<10	1		µg/L	GE	0
		2-Chlorophenol				<10	1	J	µg/L	GE	0
		4-Chlorophenyl phenyl ether				<10	1		µg/L	GE	0
		Chloroprene				<2.0	1		µg/L	GE	0
		Chromium, total recoverable	<20			5.7	1		µg/L	GE	0
		Chrysene				<10	1		µg/L	GE	0
		Cobalt, total recoverable				<5.0	1		µg/L	GE	0
		Cobalt-57				-5.6E-01	1	UI	pCi/L	GP	0
		Cobalt-60				-2.7E-01	1	UI	pCi/L	GP	0
		Copper, total recoverable	26			40	1		µg/L	GE	0
		m/p-Cresol				<10	1		µg/L	GE	0
		o-Cresol (2-Methylphenol)				<10	1		µg/L	GE	0
		Curium-242				9.8E-02	1	UI	pCi/L	GP	0
		Curium-243/244				-6.4E-02	1	UI	pCi/L	GP	0
		Curium-245/246				8.2E-02	1	UI	pCi/L	GP	0
		Cyanide				<10	1		µg/L	GE	0
		p,p'-DDD				<0.040	1		µg/L	GE	0
		p,p'-DDE				<0.040	1		µg/L	GE	0
		p,p'-DDT				<0.040	1	J	µg/L	GE	0
		Diallate				<10	1		µg/L	GE	0
		Dibenz(a,h)anthracene				<10	1		µg/L	GE	0
		Dibenzofuran				<10	1		µg/L	GE	0
		Dibromochloromethane		<2.0		<1.0	1		µg/L	GE	0
		1,2-Dibromo-3-chloropropane				<1.0	1		µg/L	GE	0
		1,2-Dibromoethane				<1.0	1		µg/L	GE	0
		Dibromomethane (Methylene bromide)				<1.0	1		µg/L	GE	0
		Di-n-butyl phthalate				<10	1		µg/L	GE	0
		1,2-Dichlorobenzene				<10	1		µg/L	GE	0
		1,3-Dichlorobenzene				<10	1		µg/L	GE	0
		1,4-Dichlorobenzene				<10	1	J	µg/L	GE	0
		3,3'-Dichlorobenzidine				<52	1		µg/L	GE	0
		trans-1,4-Dichloro-2-butene				<5.0	1		µg/L	GE	0
		Dichlorodifluoromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,2-Dichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Dichloromethane		<5.0		<1.0	1		µg/L	GE	0
		2,4-Dichlorophenol				<10	1		µg/L	GE	0
		2,6-Dichlorophenol				<10	1		µg/L	GE	0
●		2,4-Dichlorophenoxyacetic acid				<0.093	10	J1	µg/L	GE	0
		1,2-Dichloropropane		<2.0		<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene		<2.0		<1.0	1		µg/L	GE	0
		Dieldrin				<0.040	1	J	µg/L	GE	0
		Diethyl phthalate				<10	1		µg/L	GE	0
		Dimethoate				<10	1		µg/L	GE	0
		2,4-Dimethyl phenol				<10	1		µg/L	GE	0
		Dimethyl phthalate				<10	1		µg/L	GE	0
		p-Dimethylaminoazobenzene				<10	1		µg/L	GE	0
		7,12-Dimethylbenz(a)anthracene				<10	1		µg/L	GE	0
		3,3'-Dimethylbenzidine				<10	1		µg/L	GE	0
		a,a-Dimethylphenethylamine				<10	1		µg/L	GE	0
		1,3-Dinitrobenzene				<10	1		µg/L	GE	0
		2,4-Dinitrophenol				<21	1		µg/L	GE	0
		2,4-Dinitrotoluene				<10	1	J	µg/L	GE	0
		2,6-Dinitrotoluene				<10	1		µg/L	GE	0
		Di-n-octyl phthalate				<10	1		µg/L	GE	0
		1,4-Dioxane				<10	1		µg/L	GE	0
		Diphenylamine				<10	1		µg/L	GE	0
		Disulfoton				<10	1		µg/L	GE	0
		Endosulfan sulfate				<0.040	1		µg/L	GE	0
		Endosulfan I				<0.020	1		µg/L	GE	0
		Endosulfan II				<0.040	1		µg/L	GE	0
		Endrin				<0.040	1	J	µg/L	GE	0
		Endrin aldehyde				<0.040	1		µg/L	GE	0
		Ethyl methacrylate				<10	1		µg/L	GE	0
		Ethyl methanesulfonate				<10	1		µg/L	GE	0
		Ethylbenzene		<2.0		<1.0	1		µg/L	GE	0
		Europium-152				4.2E+00	1	UI	pCi/L	GP	0
		Europium-154				5.8E+00	1	UI	pCi/L	GP	0
		Europium-155				1.4E+00	1	UI	pCi/L	GP	0
		Famphur				<10	1		µg/L	GE	0
		Fluoranthene				<10	1		µg/L	GE	0
		Fluorene				<10	1		µg/L	GE	0
		Gross alpha		9.1E-01		3.1E+00	1	UIV	pCi/L	GP	0
		Heptachlor				<0.020	1	J	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 23D (cont.)

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Heptachlor epoxide				<0.020	1		µg/L	GE	0
		Hexachlorobenzene				<10	1		µg/L	GE	0
		Hexachlorobutadiene				<10	1		µg/L	GE	0
		Hexachlorocyclopentadiene				<10	1		µg/L	GE	0
		Hexachloroethane				<10	1		µg/L	GE	0
		Hexachlorophene				<520	1		µg/L	GE	0
		Hexachloropropene				<10	1		µg/L	GE	0
		2-Hexanone				<5.0	1		µg/L	GE	0
		1,2,3,4,6,7,8-HPCDD				<0.010	1		µg/L	GE	0
		1,2,3,4,6,7,8-HPCDF				<0.010	1		µg/L	GE	0
		1,2,3,4,7,8-HXCDD				<0.010	1		µg/L	GE	0
		1,2,3,4,7,8-HXCDF				<0.010	1		µg/L	GE	0
		Indeno(1,2,3-c,d)pyrene				<10	1		µg/L	GE	0
		Iodomethane (Methyl iodide)				<5.0	1		µg/L	GE	0
		Iron, total recoverable		31					µg/L	GE	0
		Isobutyl alcohol				<10	1		µg/L	GE	0
		Isodrin				<10	1		µg/L	GE	0
		Isophorone				<10	1		µg/L	GE	0
		Isosafrole				<10	1		µg/L	GE	0
		Kepone				<10	1		µg/L	GE	0
		Lead, total recoverable		10		25	1	JV	µg/L	GE	0
		Lead-212				1.7E+00	1	UI	pCi/L	GP	0
		Lindane				<0.020	1	J	µg/L	GE	0
		Lithium, total recoverable		<25		<250	10		µg/L	GE	0
		Manganese, total recoverable		8.1					µg/L	GE	0
		Manganese-54				1.4E+00	1	UI	pCi/L	GP	0
		Mercury, total recoverable		<1.0		<0.20	1		µg/L	GE	0
		Methacrylonitrile				<5.0	1		µg/L	GE	0
		Methapyrilene				<10	1		µg/L	GE	0
		Methoxychlor				<0.20	1		µg/L	GE	0
		2-Methyl-4,6-dinitrophenol				<10	1		µg/L	GE	0
		Methyl ethyl ketone				<5.0	1		µg/L	GE	0
		Methyl isobutyl ketone				<5.0	1		µg/L	GE	0
		Methyl methacrylate				<5.0	1		µg/L	GE	0
		Methyl methanesulfonate				<10	1		µg/L	GE	0
		3-Methylcholanthrene				<10	1		µg/L	GE	0
		2-Methylnaphthalene				<10	1		µg/L	GE	0
		Naphthalene				<10	1		µg/L	GE	0
		1,4-Naphthoquinone				<10	1		µg/L	GE	0
		1-Naphthylamine				<10	1		µg/L	GE	0
		2-Naphthylamine				<10	1		µg/L	GE	0
		Neptunium-237				3.8E-02	1	UI	pCi/L	GP	0
		Nickel, total recoverable		<20		4.0	1	JE	µg/L	GE	0
		m-Nitroaniline				<10	1		µg/L	GE	0
		o-Nitroaniline				<10	1		µg/L	GE	0
		p-Nitroaniline				<10	1		µg/L	GE	0
		Nitrobenzene				<10	1		µg/L	GE	0
		2-Nitrophenol				<10	1		µg/L	GE	0
		4-Nitrophenol				<21	1	J	µg/L	GE	0
		4-Nitroquinoline-1-oxide				<10	1		µg/L	GE	0
		N-Nitrosodi-n-butylamine				<10	1		µg/L	GE	0
		N-Nitrosodiethylamine				<10	1		µg/L	GE	0
		N-Nitrosodimethylamine				<10	1		µg/L	GE	0
		N-Nitrosodiphenylamine				<10	1		µg/L	GE	0
		N-Nitrosodipropylamine				<10	1	J	µg/L	GE	0
		N-Nitrosomethylethylamine				<10	1		µg/L	GE	0
		N-Nitrosomorpholine				<10	1		µg/L	GE	0
		N-Nitrosopiperidine				<10	1		µg/L	GE	0
		N-Nitrosopyrrolidine				<10	1		µg/L	GE	0
		5-Nitro-o-toluidine				<10	1		µg/L	GE	0
		Nonvolatile beta		2.4E+00		3.2E+00	1	UIV	pCi/L	GP	0
		Octachlorodibenzo-p-dioxin				<0.010	1		µg/L	GE	0
		Octachlorodibenzo-p-furan				<0.010	1		µg/L	GE	0
		Parathion				<0.050	1		µg/L	GE	0
		Parathion methyl				<0.050	1		µg/L	GE	0
		PCB 1016				<0.13	1		µg/L	GE	0
		PCB 1221				<0.13	1		µg/L	GE	0
		PCB 1232				<0.13	1		µg/L	GE	0
		PCB 1242				<0.13	1		µg/L	GE	0
		PCB 1248				<0.13	1		µg/L	GE	0
		PCB 1254				<0.13	1		µg/L	GE	0
		PCB 1260				<0.13	1		µg/L	GE	0
		1,2,3,7,8-PCDD				<0.010	1		µg/L	GE	0
		1,2,3,7,8-PCDF				<0.010	1		µg/L	GE	0
		Pentachlorobenzene				<10	1		µg/L	GE	0
		Pentachloroethane				<10	1		µg/L	GE	0
		Pentachloronitrobenzene				<10	1		µg/L	GE	0
		Pentachlorophenol				<10	1	J	µg/L	GE	0
		Phenacetin				<10	1		µg/L	GE	0
		Phenanthrene				<10	1		µg/L	GE	0
		Phenol				<10	1	J	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 23D (cont.)

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Phenols		<25		<5.0	1		µg/L	GE	0
		p-Phenylenediamine				<10	1		µg/L	GE	0
		Phorate				<0.050	1		µg/L	GE	0
		2-Picoline				<10	1		µg/L	GE	0
		Plutonium-238				<i>5.2E-02</i>	1	UJI	pCi/L	GP	0
		Plutonium-239/240				<i>9.0E-01</i>	1	J3	pCi/L	GP	0
		Potassium-40				<i>2.6E+01</i>	1	UI	pCi/L	GP	0
		Promethium-144				<i>5.9E-01</i>	1	UI	pCi/L	GP	0
		Promethium-146				<i>-4.1E-01</i>	1	UI	pCi/L	GP	0
		Pronamid				<10	1		µg/L	GE	0
		Propionitrile				<10	1		µg/L	GE	0
		Pyrene				<10	1		µg/L	GE	0
		Pyridine				<10	1		µg/L	GE	0
		Radium, total alpha-emitting		8.0E-01		<i>7.0E-01</i>	1	J	pCi/L	GP	0
		Ruthenium-106				<i>1.5E+00</i>	1	UI	pCi/L	GP	0
		Safrole				<10	1		µg/L	GE	0
		Selenium, total recoverable		<10		<5.0	1		µg/L	GE	0
		Silver, total recoverable		<10		<5.0	1		µg/L	GE	0
		Sodium-22				<i>2.1E+00</i>	1	UI	pCi/L	GP	0
		Strontium-90		<i>-1.6E-02</i>		<i>8.7E-01</i>	1	UI	pCi/L	GP	0
		Styrene				<1.0	1		µg/L	GE	0
		Sulfate		<5,000		140	1	JE	µg/L	GE	0
		Sulfide				<10,000	1	J	µg/L	GE	0
●		Sulfotep				<10	1		µg/L	GE	0
		2,4,5-T				<0.093	10	J1	µg/L	GE	0
		2,3,7,8-TCDD				<0.010	1		µg/L	GE	0
		2,3,7,8-TCDF				<0.010	1		µg/L	GE	0
		1,2,4,5-Tetrachlorobenzene				<10	1		µg/L	GE	0
		1,1,1,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane		<2.0		<1.0	1		µg/L	GE	0
		Tetrachloroethylene		<2.0		<1.0	1		µg/L	GE	0
		2,3,4,6-Tetrachlorophenol				<10	1		µg/L	GE	0
		Thallium, total recoverable				<5.0	1		µg/L	GE	0
		Thionazin				<10	1		µg/L	GE	0
		Thorium-228				<i>1.1E-01</i>	1	UI	pCi/L	GP	0
		Thorium-230				<i>3.4E-01</i>	1		pCi/L	GP	0
		Thorium-232				<i>2.1E-02</i>	1	UI	pCi/L	GP	0
		Tin, total recoverable		<100		<10	1		µg/L	GE	0
		Toluene		<2.0		<1.0	1		µg/L	GE	0
		o-Toluidine				<10	1		µg/L	GE	0
		Total dissolved solids		24,000		<29,000	1	V	µg/L	GE	0
		Total organic carbon		<5,000		<330	1	V	µg/L	GE	0
		Total organic halogens		17		<12	1	JV	µg/L	GE	0
		Toxaphene				<1.0	1		µg/L	GE	0
●		2,4,5-TP (Silvex)				<0.093	10	J1	µg/L	GE	0
		1,2,4-Trichlorobenzene				<10	1	J	µg/L	GE	0
		1,1,1-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane		<2.0		<1.0	1		µg/L	GE	0
		Trichloroethylene		<2.0		<1.0	1		µg/L	GE	0
		Trichlorofluoromethane		<2.0		<1.0	1		µg/L	GE	0
		2,4,5-Trichlorophenol				<10	1		µg/L	GE	0
		2,4,6-Trichlorophenol				<10	1		µg/L	GE	0
		1,2,3-Trichloropropane				<1.0	1		µg/L	GE	0
		O,O,O-Triethyl phosphorothioate				<10	1		µg/L	GE	0
		1,3,5-Trinitrobenzene				<10	1		µg/L	GE	0
■		Tritium		<i>2.5E+01</i>		<i>2.3E+01</i>	1		pCi/mL	GP	2
		Uranium-233/234				<i>-5.4E-02</i>	1	UI	pCi/L	GP	0
		Uranium-235				<i>-6.1E-02</i>	1	UI	pCi/L	GP	0
		Uranium-238				<i>-6.9E-02</i>	1	UI	pCi/L	GP	0
		Vanadium, total recoverable				4.2	1	JE	µg/L	GE	0
		Vinyl acetate				<5.0	1		µg/L	GE	0
		Xylenes				<1.0	1		µg/L	GE	0
		Yttrium-88				<i>7.0E-01</i>	1	UI	pCi/L	GP	0
		Zinc, total recoverable		22		31	1	V	µg/L	GE	0
		Zinc-65				<i>1.0E+00</i>	1	UI	pCi/L	GP	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 24D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74012.4 E58438.8	33.284816 °N 81.656687 °W	241.0-221.0 ft msl	293.2 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE	04/04/97	11/20/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation		235.2		234.7	ft msl
pH		6.2		6.6	pH
Sp. conductance		58		52	µS/cm
Water temperature		25.0		20.0	°C
Alkalinity as CaCO ₃		23		14	mg/L
Turbidity		5		4	NTU
Volume purged		0.0		0.11	well volume
Sampling code		X		X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)		19,000		20,000	1		µg/L	GE	
		Antimony, total recoverable		<15		<10	1		µg/L	GE	0
		Arsenic, total recoverable		<10		<5.0	1		µg/L	GE	0
		Barium, total recoverable		12		11	1		µg/L	GE	0
		Benzene		<2.0		<1.0	1	J	µg/L	GE	0
		Boron, total recoverable		<500		<50	1		µg/L	GE	0
		Bromodichloromethane		<2.0		<1.0	1	J	µg/L	GE	0
		Bromoform		<2.0		<1.0	1	J	µg/L	GE	0
		Bromomethane (Methyl bromide)		<2.0		<1.0	1	J	µg/L	GE	0
		Cadmium, total recoverable		<10		<5.0	1		µg/L	GE	0
		Carbon tetrachloride		<2.0		<1.0	1	J	µg/L	GE	0
		Carbon-14		-1.2E+00		-1.0E+01	1	UI	pCi/L	GP	0
		Chlorobenzene		<2.0		<1.0	1	J	µg/L	GE	0
		Chloroethane		<2.0		<1.0	1	J	µg/L	GE	0
		Chloroethene (Vinyl chloride)		<2.0		<1.0	1	J	µg/L	GE	0
		2-Chloroethyl vinyl ether		<5.0		<5.0	1	J	µg/L	GE	0
		Chloroform		<2.0		<1.0	1	J	µg/L	GE	0
		Chloromethane (Methyl chloride)		<2.0		<1.0	1	J	µg/L	GE	0
		Chromium, total recoverable		<20		2.6	1	JE	µg/L	GE	0
		Copper, total recoverable		<20		<1.8	1	JEV	µg/L	GE	0
		Dibromochloromethane		<2.0		<1.0	1	J	µg/L	GE	0
		1,1-Dichloroethane		<2.0		<1.0	1	J	µg/L	GE	0
		1,2-Dichloroethane		<2.0		<1.0	1	J	µg/L	GE	0
		1,1-Dichloroethylene		<2.0		<1.0	1	J	µg/L	GE	0
		trans-1,2-Dichloroethylene		<2.0		<1.0	1	J	µg/L	GE	0
		Dichloromethane		<5.0		<3.4	1	JV	µg/L	GE	0
		1,2-Dichloropropane		<2.0		<1.0	1	J	µg/L	GE	0
		cis-1,3-Dichloropropene		<2.0		<1.0	1	J	µg/L	GE	0
		trans-1,3-Dichloropropene		<2.0		<1.0	1	J	µg/L	GE	0
		Ethylbenzene		<2.0		<0.56	1	JV	µg/L	GE	0
		Gross alpha		1.5E+00		3.4E+00	1	V	pCi/L	GP	0
		Lead, total recoverable		5.3		3.0	1	JE	µg/L	GE	0
		Lithium, total recoverable		<25		<25	1		µg/L	GE	0
		Mercury, total recoverable		<1.0		<0.20	1		µg/L	GE	0
		Nickel, total recoverable		<20		<5.0	1		µg/L	GE	0
		Nonvolatile beta		2.5E+00		3.9E+00	1	UJIV	pCi/L	GP	0
		Phenols		<25		<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting		1.0E-01		7.0E-01	1		pCi/L	GP	0
		Selenium, total recoverable		<10		1.5	1	JE	µg/L	GE	0
		Silver, total recoverable		<10		<5.0	1		µg/L	GE	0
		Strontium-90		2.3E+00		8.4E-01	1	UI	pCi/L	GP	0
		Sulfate		2,200		2,100	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane		<2.0		<1.0	1	J	µg/L	GE	0
		Tetrachloroethylene		<2.0		<1.0	1	J	µg/L	GE	0
		Tin, total recoverable		<100		<10	1		µg/L	GE	0
		Toluene		<2.0		<1.0	1	J	µg/L	GE	0
		Total dissolved solids		35,000		<41,000	1	V	µg/L	GE	0
		Total organic carbon		<5,000		<5,000	1		µg/L	GE	0
		Total organic halogens		<3.8		16	1		µg/L	GE	0
		1,1,1-Trichloroethane		<2.0		<1.0	1	J	µg/L	GE	0
		1,1,2-Trichloroethane		<2.0		<1.0	1	J	µg/L	GE	0
		Trichloroethylene		<2.0		<1.0	1	J	µg/L	GE	0
		Trichlorofluoromethane		<2.0		<1.0	1	J	µg/L	GE	0
		Tritium		1.1E+01		1.1E+01	1		pCi/mL	GP	1
		Zinc, total recoverable		42		23	1	V	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 25A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76158.5 E55668.1	33.285042 °N 81.668151 °W	114.1-104.1 ft msl	296.5 ft msl	4" PVC	S	U. Congaree (IIA)

SAMPLE DATE	11/05/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				161.1	ft msl
pH				6.6	pH
Sp. conductance				280	µS/cm
Water temperature				17.0	°C
Alkalinity as CaCO ₃				84	mg/L
Turbidity				5	NTU
Volume purged				0.027	well volume
Sampling code				X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				100,000	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<3.1	1	V	µg/L	GE	0
		Barium, total recoverable				38	1		µg/L	GE	0
		Benzene				<1.0	1	J	µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1	J	µg/L	GE	0
		Bromoform				<1.0	1	J	µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1	J	µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1	J	µg/L	GE	0
		Carbon-14				7.0E-01	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1	J	µg/L	GE	0
		Chloroethane				<1.0	1	J	µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1	J	µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1	J	µg/L	GE	0
		Chloroform				<1.0	1	J	µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1	J	µg/L	GE	0
		Chromium, total recoverable				<5.0	1		µg/L	GE	0
		Copper, total recoverable				4.3	1	JE	µg/L	GE	0
		Dibromochloromethane				<1.0	1	J	µg/L	GE	0
		1,1-Dichloroethane				<1.0	1	J	µg/L	GE	0
		1,2-Dichloroethane				<1.0	1	J	µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1	J	µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1	J	µg/L	GE	0
		Dichloromethane				<1.0	1	J	µg/L	GE	0
		1,2-Dichloropropane				<1.0	1	J	µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1	J	µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1	J	µg/L	GE	0
		Ethylbenzene				<1.0	1	J	µg/L	GE	0
		Gross alpha				3.6E+00	1		pCi/L	GP	0
		Lead, total recoverable				6.7	1	V	µg/L	GE	0
		Lithium, total recoverable				<25	1		µg/L	GE	0
		Mercury, total recoverable				<0.20	1		µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				3.3E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				4.0E-01	1	UI	pCi/L	GP	0
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				0.72	1	JE	µg/L	GE	0
		Strontium-90				-5.3E-01	1	UJI	pCi/L	GP	0
		Sulfate				8,900	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1	J	µg/L	GE	0
		Tetrachloroethylene				<1.0	1	J	µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1	J	µg/L	GE	0
		Total dissolved solids				180,000	1		µg/L	GE	0
		Total organic carbon				<440	1	V	µg/L	GE	0
		Total organic halogens				<10	1		µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1	J	µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1	J	µg/L	GE	0
		Trichloroethylene				<1.0	1	J	µg/L	GE	0
		Trichlorofluoromethane				<1.0	1	J	µg/L	GE	0
		Tritium				-6.8E-02	1	UI	pCi/mL	GP	0
		Zinc, total recoverable				7.3	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 26A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76144.6 E55014.2	33.283945 °N 81.669846 °W	91.0-81.0 ft msl	287.2 ft msl	4" PVC	S	M. Congaree (IIA)

SAMPLE DATE

10/29/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				158.2	ft msl
pH				11.2	pH
Sp. conductance				1020	µS/cm
Water temperature				18.0	°C
Alkalinity as CaCO ₃				212	mg/L
Turbidity				6	NTU
Volume purged				0.020	well volume
Sampling code				X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				300,000	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				90	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				3.0E+00	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				4.1	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				5.4	1		µg/L	GE	0
		Copper, total recoverable				1.6	1	JE	µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<0.86	1	V	µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				1.9E+00	1		pCi/L	GP	0
		Lead, total recoverable				<3.8	1	V	µg/L	GE	0
		Lithium, total recoverable				40	1		µg/L	GE	0
		Mercury, total recoverable				<0.13	1	V	µg/L	GE	0
		Nickel, total recoverable				5.1	1		µg/L	GE	0
		Nonvolatile beta				1.7E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				4.0E-01	1	UI	pCi/L	GP	0
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				0.77	1	JE	µg/L	GE	0
		Strontium-90				-4.5E-01	1	UI	pCi/L	GP	0
●		Sulfate				8,400	1	J1	µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				1.1	1		µg/L	GE	0
		Total dissolved solids				310,000	1		µg/L	GE	0
		Total organic carbon				<900	1	V	µg/L	GE	0
●		Total organic halogens				<10	1	J1	µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
■		Trichloroethylene				11	1		µg/L	GE	2
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
		Tritium				2.7E+00	1		pCi/mL	GP	0
		Zinc, total recoverable				6.0	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 26D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76128.0 E55015.2	33.283910 °N 81.669811 °W	233.5-213.4 ft msl	285.5 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE

10/29/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				225.1	ft msl
pH				5.4	pH
Sp. conductance				42	µS/cm
Water temperature				18.0	°C
Alkalinity as CaCO ₃				30	mg/L
Turbidity				7	NTU
Volume purged				0.13	well volume
Sampling code				X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				2,700	1		µg/L	GE	
		Aluminum, total recoverable				370	1		µg/L	GE	2
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				6.6	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				25	1	JE	µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				-1.1E-01	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				1.3	1	JE	µg/L	GE	0
		Copper, total recoverable				110	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				4.1E+00	1		pCi/L	GP	0
		Iron, total recoverable				480	1		µg/L	GE	2
		Lead, total recoverable				36	1	V	µg/L	GE	1
		Lithium, total recoverable				<25	1		µg/L	GE	0
		Manganese, total recoverable				<8.3	1	V	µg/L	GE	0
		Mercury, total recoverable				<0.12	1	V	µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				3.6E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				5.0E-01	1		pCi/L	GP	0
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				-1.2E-01	1	UI	pCi/L	GP	0
●		Sulfate				510	1	J1	µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				1.7	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				31,000	1		µg/L	GE	
		Total organic carbon				<550	1	V	µg/L	GE	0
●		Total organic halogens				<12	1	JV1	µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
■		Trichloroethylene				26	1		µg/L	GE	2
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
		Tritium				5.5E+00	1		pCi/mL	GP	0
		Zinc, total recoverable				19	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 27C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75666.3 E54671.4	33.282328 °N 81.669820 °W	163.9-154.9 ft msl	276 ft msl	4" PVC	S	McBean (IIB1)

SAMPLE DATE

11/03/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				217.9	ft msl
pH				7.0	pH
Sp. conductance				140	µS/cm
Water temperature				19.0	°C
Alkalinity as CaCO ₃				39	mg/L
Turbidity				5	NTU
Volume purged				2.7	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				53,000	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				8.4	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				-5.3E+00	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				2.6	1	JE	µg/L	GE	0
		Copper, total recoverable				38	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				0.98	1	JE	µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				6.2E-01	1		pCi/L	GP	0
		Lead, total recoverable				3.8	1	JE	µg/L	GE	0
		Lithium, total recoverable				<25	1		µg/L	GE	0
		Mercury, total recoverable				<0.20	1		µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				5.8E-01	1	UI	pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				0.0E+00	1	UI	pCi/L	GP	0
		Selenium, total recoverable				2.1	1	JE	µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				1.3E-01	1	UJI	pCi/L	GP	0
		Sulfate				310	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				83,000	1		µg/L	GE	
		Total organic carbon				<5,000	1		µg/L	GE	0
		Total organic halogens				59	1		µg/L	GE	1
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				23	1		µg/L	GE	2
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
		Tritium				1.3E+02	1		pCi/mL	GP	2
		Zinc, total recoverable				12	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 27D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75677.3 E54680.2	33.282366 °N 81.669818 °W	229.3-209.3 ft msl	276.3 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE

11/04/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				224.7	ft msl
pH				5.1	pH
Sp. conductance				29	µS/cm
Water temperature				15.6	°C
Alkalinity as CaCO ₃				4	mg/L
Turbidity				10	NTU
Volume purged				0.099	well volume
Sampling code				X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				4,100	1		µg/L	GE	
		Aluminum, total recoverable				110	1		µg/L	GE	2
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				12	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				3.2E+00	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
■		Chloroethene (Vinyl chloride)				2.9	1		µg/L	GE	2
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				1.8	1	JE	µg/L	GE	0
		Copper, total recoverable				79	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				0.51	1	JE	µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				5.4E+00	1		pCi/L	GP	0
		Iron, total recoverable				480	1		µg/L	GE	2
		Lead, total recoverable				23	1		µg/L	GE	0
		Lithium, total recoverable				<25	1		µg/L	GE	0
		Manganese, total recoverable				28	1		µg/L	GE	1
		Mercury, total recoverable				<0.20	1		µg/L	GE	0
		Nickel, total recoverable				5.7	1		µg/L	GE	0
		Nonvolatile beta				5.6E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				1.1E+00	1		pCi/L	GP	0
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				6.5E-01	1	UI	pCi/L	GP	0
		Sulfate				260	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				22,000	1		µg/L	GE	0
		Total organic carbon				610	1	JE	µg/L	GE	0
		Total organic halogens				26	1		µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				<1.0	1		µg/L	GE	0
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
■		Tritium				9.1E+02	1		pCi/mL	GP	2
		Zinc, total recoverable				120	1	J	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 28D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75348.3 E54457.9	33.281276 °N 81.669764 °W	230.1-210.1 ft msl	277.4 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 10/29/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				223.2	ft msl
pH				5.6	pH
Sp. conductance				120	µS/cm
Water temperature				18.0	°C
Alkalinity as CaCO ₃				16	mg/L
Turbidity				9	NTU
Volume purged				0.12	well volume
Sampling code				X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				10,000	1		µg/L	GE	
		Aluminum, total recoverable				1,200	1		µg/L	GE	2
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				36	1		µg/L	GE	0
		Benzene				0.68	1	JE	µg/L	GE	0
		Boron, total recoverable				21	1	JE	µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				2.1E+01	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
■		Chloroethene (Vinyl chloride)				25	1		µg/L	GE	2
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				1.6	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				11	1		µg/L	GE	0
		Copper, total recoverable				15	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				16	1		µg/L	GE	1
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				1.5	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				0.74	1	JE	µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				5.5E+00	1		pCi/L	GP	0
		Iron, total recoverable				970	1		µg/L	GE	2
		Lead, total recoverable				28	1		µg/L	GE	1
		Lithium, total recoverable				16	1	JE	µg/L	GE	0
		Manganese, total recoverable				85	1		µg/L	GE	2
		Mercury, total recoverable				<0.20	1		µg/L	GE	0
		Nickel, total recoverable				15	1		µg/L	GE	0
		Nonvolatile beta				1.8E+01	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				1.5E+00	1		pCi/L	GP	0
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				3.1E+00	1		pCi/L	GP	0
●		Sulfate				9,100	1	J1	µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				1.2	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				54,000	1		µg/L	GE	
		Total organic carbon				2,000	1	JEV	µg/L	GE	0
●		Total organic halogens				100	2	J1	µg/L	GE	2
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
■		Trichloroethylene				97	1		µg/L	GE	2
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
■		Tritium				1.5E+04	1		pCi/mL	GP	2
		Zinc, total recoverable				45	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 29A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75560.0 E54103.5	33.281166 °N 81.671108 °W	112.5-102.5 ft msl	264.2 ft msl	4" PVC	S	U. Congaree (IIA)

SAMPLE DATE

10/29/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				159.0	ft msl
pH				6.7	pH
Sp. conductance				145	µS/cm
Water temperature				20.4	°C
Alkalinity as CaCO ₃				43	mg/L
Turbidity				1	NTU
Volume purged				2.4	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				43,000	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				13	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				-2.7E-01	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				1.9	1	JE	µg/L	GE	0
		Copper, total recoverable				<5.0	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				8.8E-02	1	UI	pCi/L	GP	0
		Lead, total recoverable				<5.0	1		µg/L	GE	0
		Lithium, total recoverable				<25	1		µg/L	GE	0
		Mercury, total recoverable				<0.20	1		µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				1.1E+00	1	UI	pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				0.0E+00	1	UI	pCi/L	GP	0
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				0.95	1	JE	µg/L	GE	0
		Strontium-90				2.9E-01	1	UI	pCi/L	GP	0
●		Sulfate				510	1	J1	µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				74,000	1		µg/L	GE	0
		Total organic carbon				<170	1	V	µg/L	GE	0
●		Total organic halogens				<7.0	1	JV1	µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
■		Trichloroethylene				5.4	1		µg/L	GE	2
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
		Tritium				1.4E+01	1		pCi/mL	GP	1
		Zinc, total recoverable				1.1	1	JE	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 29C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75577.8	33.281198 °N	186.8-176.8 ft msl	264.8 ft msl	4" PVC	S	Bamwell (IIB1)
E54099.1	81.671154 °W					

SAMPLE DATE 10/29/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation					ft msl
pH				5.1	pH
Sp. conductance				32	µS/cm
Water temperature				19.0	°C
Alkalinity as CaCO ₃				1	mg/L
Turbidity				4	NTU
Volume purged					well volume
Sampling code				X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				13,000	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				22	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				-7.4E-01	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				3.6	1	JE	µg/L	GE	0
		Copper, total recoverable				8.4	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				1.4E+00	1		pCi/L	GP	0
		Lead, total recoverable				11	1	V	µg/L	GE	0
		Lithium, total recoverable				<25	1		µg/L	GE	0
		Mercury, total recoverable				<0.14	1	V	µg/L	GE	0
		Nickel, total recoverable				2.7	1	JE	µg/L	GE	0
		Nonvolatile beta				2.2E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				4.0E-01	1		pCi/L	GP	0
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				6.3E-01	1	UI	pCi/L	GP	0
●		Sulfate				340	1	J1	µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				41,000	1		µg/L	GE	0
		Total organic carbon				<1,400	1	V	µg/L	GE	0
●		Total organic halogens				<3.8	1	JV1	µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				0.89	1	JE	µg/L	GE	0
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
■		Tritium				4.2E+02	1		pCi/mL	GP	2
		Zinc, total recoverable				24	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 29D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75592.5	33.281231 °N	228.5-208.5 ft msl	265.5 ft msl	4" PVC	S	Water Table (IIB2)
E54099.4	81.671182 °W					

SAMPLE DATE

10/30/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				223.4	ft msl
pH				4.3	pH
Sp. conductance				53	µS/cm
Water temperature				17.3	°C
Alkalinity as CaCO ₃				1	mg/L
Turbidity				20	NTU
Volume purged				0.51	well volume
Sampling code				X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				3,300	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				27	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				1.4E+00	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				8.9	1		µg/L	GE	0
		Copper, total recoverable				50	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<23	1	V	µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				7.4E+00	1		pCi/L	GP	0
		Lead, total recoverable				7.6	1		µg/L	GE	0
		Lithium, total recoverable				<25	1		µg/L	GE	0
		Mercury, total recoverable				<0.20	1		µg/L	GE	0
		Nickel, total recoverable				13	1		µg/L	GE	0
		Nonvolatile beta				5.0E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				2.2E+00	1		pCi/L	GP	0
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				8.4E-02	1	UJI	pCi/L	GP	0
●		Sulfate				8,300	1	J1	µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				43,000	1		µg/L	GE	0
●		Total organic carbon				1,300	1	JE1	µg/L	GE	0
●		Total organic halogens				20	1	J1	µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				<1.0	1		µg/L	GE	0
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
		Tritium				8.4E+00	1		pCi/mL	GP	0
		Zinc, total recoverable				120	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 30C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75181.0 E54512.3	33.280995 °N 81.669296 °W	188.4-178.4 ft msl	274.5 ft msl	4" PVC	S	McBean (IIB1)

SAMPLE DATE 11/05/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				216.6	ft msl
pH				4.8	pH
Sp. conductance				52	µS/cm
Water temperature				15.0	°C
Alkalinity as CaCO ₃				0	mg/L
Turbidity				17	NTU
Volume purged				0.040	well volume
Sampling code				X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				6,700	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				24	1		µg/L	GE	0
		Benzene				<1.0	1	J	µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1	J	µg/L	GE	0
		Bromoform				<1.0	1	J	µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1	J	µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1	J	µg/L	GE	0
		Carbon-14				1.6E+00	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1	J	µg/L	GE	0
		Chloroethane				<1.0	1	J	µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1	J	µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1	J	µg/L	GE	0
		Chloroform				<1.0	1	J	µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1	J	µg/L	GE	0
		Chromium, total recoverable				1.6	1	JE	µg/L	GE	0
		Copper, total recoverable				6.9	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1	J	µg/L	GE	0
		1,1-Dichloroethane				<1.0	1	J	µg/L	GE	0
		1,2-Dichloroethane				<1.0	1	J	µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1	J	µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1	J	µg/L	GE	0
		Dichloromethane				<1.0	1	J	µg/L	GE	0
		1,2-Dichloropropane				<1.0	1	J	µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1	J	µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1	J	µg/L	GE	0
		Ethylbenzene				<1.0	1	J	µg/L	GE	0
		Gross alpha				3.7E+00	1		pCi/L	GP	0
		Lead, total recoverable				5.2	1	V	µg/L	GE	0
●		Lithium, total recoverable				<25	1		µg/L	GE	0
		Mercury, total recoverable				<0.20	1	J1	µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				1.9E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				1.1E+00	1		pCi/L	GP	0
		Selenium, total recoverable				<1.6	1	V	µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				-8.1E-01	1	UJ1	pCi/L	GP	0
		Sulfate				780	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1	J	µg/L	GE	0
		Tetrachloroethylene				<1.0	1	J	µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1	J	µg/L	GE	0
		Total dissolved solids				31,000	1		µg/L	GE	0
		Total organic carbon				<230	1	V	µg/L	GE	0
		Total organic halogens				17	1		µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1	J	µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1	J	µg/L	GE	0
■		Trichloroethylene				8.7	1	J	µg/L	GE	2
		Trichlorofluoromethane				<1.0	1	J	µg/L	GE	0
■		Tritium				8.6E+02	1		pCi/mL	GP	2
		Zinc, total recoverable				22	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 30D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75187.7 E54499.2	33.280988 °N 81.669343 °W	227.8-207.8 ft msl	274.8 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 10/29/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation					ft msl
pH				5.4	pH
Sp. conductance				300	µS/cm
Water temperature				17.0	°C
Alkalinity as CaCO ₃				21	mg/L
Turbidity				9	NTU
Volume purged					well volume
Sampling code				X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				25,000	1		µg/L	GE	
		Aluminum, total recoverable				460	1		µg/L	GE	2
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				45	1		µg/L	GE	0
		Benzene				2.2	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				1.5E+01	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
	■	Chloroethene (Vinyl chloride)				5.7	1		µg/L	GE	2
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				2.1	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				0.72	1	JE	µg/L	GE	0
		Chromium, total recoverable				1.7	1	JE	µg/L	GE	0
		Copper, total recoverable				8.4	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				4.4	1		µg/L	GE	1
		trans-1,2-Dichloroethylene				1.7	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
	■	Gross alpha				2.1E+01	1		pCi/L	GP	2
		Iron, total recoverable				910	1		µg/L	GE	2
		Lead, total recoverable				16	1		µg/L	GE	0
		Lithium, total recoverable				16	1	JE	µg/L	GE	0
		Manganese, total recoverable				88	1		µg/L	GE	2
		Mercury, total recoverable				<0.20	1		µg/L	GE	0
		Nickel, total recoverable				5.4	1		µg/L	GE	0
		Nonvolatile beta				1.1E+01	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				4.2E+00	1		pCi/L	GP	1
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				3.8E-01	1	UI	pCi/L	GP	0
	●	Sulfate				6,300	1	J1	µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				0.68	1	JE	µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				74,000	1		µg/L	GE	0
		Total organic carbon				3,200	1	JEV	µg/L	GE	0
	●	Total organic halogens				170	1	J1	µg/L	GE	2
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
	■	Trichloroethylene				10	1		µg/L	GE	2
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
	■	Tritium				1.9E+04	1		pCi/mL	GP	2
		Zinc, total recoverable				51	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 31C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74978.0 E54816.2	33.281042 °N 81.668101 °W	186.4-176.4 ft msl	273.1 ft msl	4" PVC	S	McBean (IIB1)

SAMPLE DATE 11/06/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				223.0	ft msl
pH				4.3	pH
Sp. conductance				34	µS/cm
Water temperature				19.6	°C
Alkalinity as CaCO ₃				1	mg/L
Turbidity				9	NTU
Volume purged				0.033	well volume
Sampling code				X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				5,400	1		µg/L	GE	
		Antimony, total recoverable				<1.0	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				37	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				2.7E+01	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				0.43	1	JE	µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				1.1	1	JE	µg/L	GE	0
		Copper, total recoverable				1.4	1	JE	µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				1.0E+01	1		pCi/L	GP	1
		Lead, total recoverable				5.9	1		µg/L	GE	0
		Lithium, total recoverable				<25	1		µg/L	GE	0
		Mercury, total recoverable				<0.20	1		µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				7.0E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				1.1E+00	1		pCi/L	GP	0
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				1.3	1	JE	µg/L	GE	0
		Strontium-90				6.2E-01	1	UJI	pCi/L	GP	0
		Sulfate				240	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				4.1	1		µg/L	GE	1
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				0.22	1	JE	µg/L	GE	0
		Total dissolved solids				<33,000	1	V	µg/L	GE	0
●		Total organic carbon				3,300	1	JE1	µg/L	GE	0
		Total organic halogens				4.0	1	JE	µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				1.3	1		µg/L	GE	0
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
■		Tritium				4.3E+03	1		pCi/mL	GP	2
		Zinc, total recoverable				18	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 31D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74985.3 E54841.7	33.281099 °N 81.668048 °W	231.1-211.1 ft msl	273.7 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 11/05/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				223.9	ft msl
pH				4.0	pH
Sp. conductance				34	µS/cm
Water temperature				13.9	°C
Alkalinity as CaCO ₃				1	mg/L
Turbidity				5	NTU
Volume purged				0.12	well volume
Sampling code				X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				2,800	1		µg/L	GE	
		Aluminum, total recoverable				72	1	J	µg/L	GE	2
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				3.8	1	JE	µg/L	GE	0
		Benzene				<1.0	1	J	µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1	J	µg/L	GE	0
		Bromoform				<1.0	1	J	µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1	J	µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1	J	µg/L	GE	0
		Carbon-14				2.1E-01	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1	J	µg/L	GE	0
		Chloroethane				<1.0	1	J	µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1	J	µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1	J	µg/L	GE	0
		Chloroform				0.83	1	JE	µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1	J	µg/L	GE	0
		Chromium, total recoverable				<5.0	1		µg/L	GE	0
		Copper, total recoverable				6.3	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1	J	µg/L	GE	0
		1,1-Dichloroethane				<1.0	1	J	µg/L	GE	0
		1,2-Dichloroethane				<1.0	1	J	µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1	J	µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1	J	µg/L	GE	0
		Dichloromethane				<1.0	1	J	µg/L	GE	0
		1,2-Dichloropropane				<1.0	1	J	µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1	J	µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1	J	µg/L	GE	0
		Ethylbenzene				<1.0	1	J	µg/L	GE	0
		Gross alpha				4.9E+00	1		pCi/L	GP	0
		Iron, total recoverable				82	1		µg/L	GE	0
		Lead, total recoverable				<3.3	1	V	µg/L	GE	0
		Lithium, total recoverable				<25	1		µg/L	GE	0
		Manganese, total recoverable				2.2	1	JE	µg/L	GE	0
		Mercury, total recoverable				<0.12	1	JV1	µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				3.2E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				8.0E-01	1		pCi/L	GP	0
		Selenium, total recoverable				<1.7	1	V	µg/L	GE	0
		Silver, total recoverable				0.83	1	JE	µg/L	GE	0
		Strontium-90				-7.0E-02	1	UJI	pCi/L	GP	0
		Sulfate				140	1	JE	µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1	J	µg/L	GE	0
		Tetrachloroethylene				<1.0	1	J	µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1	J	µg/L	GE	0
		Total dissolved solids				26,000	1		µg/L	GE	0
		Total organic carbon				<190	1	V	µg/L	GE	0
		Total organic halogens				9.8	1	JE	µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1	J	µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1	J	µg/L	GE	0
		Trichloroethylene				<1.0	1	J	µg/L	GE	0
		Trichlorofluoromethane				<1.0	1	J	µg/L	GE	0
		Tritium				3.7E+01	1		pCi/mL	GP	2
		Zinc, total recoverable				9.5	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 32D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N74727.0 E55250.2	33.281195 °N 81.666471 °W	234.5-214.5 ft msl	281.7 ft msl	4"PVC	S	Barnwell (IIB1)

FIELD DATA

<u>Parameter</u>	<u>1Q</u>	<u>2Q</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation				224.7	ft msl
pH					pH
Sp. conductance					µS/cm
Water temperature					°C
Alkalinity as CaCO ₃					mg/L
Turbidity				23	NTU
Volume purged					well volume
Sampling code				P	

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 33C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74479.7 E55681.4	33.281351 °N 81.664855 °W	187.8-177.8 ft msl	279.4 ft msl	4" PVC	S	McBean (IIB1)

SAMPLE DATE

12/16/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				222.4	ft msl
pH				5.4	pH
Sp. conductance				64	µS/cm
Water temperature				20.0	°C
Alkalinity as CaCO ₃				32	mg/L
Turbidity				12	NTU
Volume purged					well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				14,000	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				13	1		µg/L	GE	0
		Benzene				1.1	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromide				170	1		µg/L	WA	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				0.93	1	JE	µg/L	GE	0
		Carbon-14				1.7E+02	1		pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				17	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				2.9	1	JE	µg/L	GE	0
		Copper, total recoverable				<5.0	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				0.97	1	JE	µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				1.3	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				0.36	1	JE	µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				1.1E+00	1		pCi/L	GP	0
		Lead, total recoverable				<5.0	1		µg/L	GE	0
		Lithium, total recoverable				<250	10		µg/L	GE	0
		Mercury, total recoverable				6.7	1		µg/L	GE	2
		Nickel, total recoverable				2.9	1	JE	µg/L	GE	0
●		Nitrate as nitrogen				1,100	2.5	J	µg/L	WA	0
		Nonvolatile beta				1.5E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				4.0E-01	1	UJI	pCi/L	GP	0
		Selenium, total recoverable				2.4	1	JE	µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				2.2E+00	1	J	pCi/L	GP	0
		Sulfate				230	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
■		Tetrachloroethylene				6.0	1		µg/L	GE	2
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
●		Total dissolved solids				38,000	1	J1	µg/L	GE	
		Total organic carbon				360	1	JE	µg/L	GE	0
		Total organic halogens				170	1		µg/L	GE	2
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
■		Trichloroethylene				54	1		µg/L	GE	2
		Trichlorofluoromethane				0.38	1	JE	µg/L	GE	0
■		Tritium				1.2E+04	1		pCi/mL	GP	2
		Zinc, total recoverable				<5.7	1	V	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 33D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74468.7 E55695.4	33.281350 °N 81.664797 °W	233.1-213.1 ft msl	280.3 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE

12/09/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				227.2	ft msl
pH				4.8	pH
Sp. conductance				60	µS/cm
Water temperature				19.0	°C
Alkalinity as CaCO ₃				0	mg/L
Turbidity				22	NTU
Volume purged				0.11	well volume
Sampling code				X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				1,400	1		µg/L	GE	
		Aluminum, total recoverable				610	1		µg/L	GE	2
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				14	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				5.8E+01	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				2.0	1	JE	µg/L	GE	0
		Copper, total recoverable				7.5	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<2.0	1	V	µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<0.57	1	V	µg/L	GE	0
		Gross alpha				7.4E+00	1		pCi/L	GP	0
		Iron, total recoverable				1,500	1		µg/L	GE	2
		Lead, total recoverable				6.2	1		µg/L	GE	0
		Lithium, total recoverable				<25	1		µg/L	GE	0
		Manganese, total recoverable				7.7	1	JE	µg/L	GE	0
		Mercury, total recoverable				<0.20	1		µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				7.1E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				1.9E+00	1	J	pCi/L	GP	0
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				7.6E-01	1	UI	pCi/L	GP	0
		Sulfate				140	1	JE	µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				34,000	1		µg/L	GE	0
		Total organic carbon				<5,000	1		µg/L	GE	0
		Total organic halogens				6.9	1	JE	µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				<1.0	1		µg/L	GE	0
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
■		Tritium				2.4E+01	1		pCi/mL	GP	2
		Zinc, total recoverable				17	1	V	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 34D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74228.8 E56082.6	33.281451 °N 81.663311 °W	232.7-212.7 ft msl	274.9 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE

10/28/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				230.0	ft msl
pH				4.3	pH
Sp. conductance				29	µS/cm
Water temperature				19.4	°C
Alkalinity as CaCO ₃				2	mg/L
Turbidity				5	NTU
Volume purged				0.62	well volume
Sampling code				X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				2,900	1		µg/L	GE	
		Aluminum, total recoverable				260	1		µg/L	GE	2
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				18	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				1.3E+01	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				2.0	1	JE	µg/L	GE	0
		Copper, total recoverable				15	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				3.0E+00	1		pCi/L	GP	0
		Iron, total recoverable				430	1		µg/L	GE	2
		Lead, total recoverable				9.1	1		µg/L	GE	0
		Lithium, total recoverable				<25	1		µg/L	GE	0
		Manganese, total recoverable				4.2	1	JE	µg/L	GE	0
		Mercury, total recoverable				<0.20	1		µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				2.6E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				5.0E-01	1		pCi/L	GP	0
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				<2.2	1	V	µg/L	GE	0
		Strontium-90				-4.5E-02	1	UI	pCi/L	GP	0
		Sulfate				85	1	JE	µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				22,000	1		µg/L	GE	0
		Total organic carbon				<5,000	1		µg/L	GE	0
●		Total organic halogens				<10	1	J1	µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				<1.0	1		µg/L	GE	0
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
		Tritium				1.6E+01	1		pCi/mL	GP	1
		Zinc, total recoverable				38	1	V	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 35C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N73953.9 E56545.7	33.281598 °N 81.661558 °W	171.9-161.9 ft msl	273.4 ft msl	4" PVC	S	McBean (IIB1)

SAMPLE DATE 10/29/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				225.6	ft msl
pH				4.6	pH
Sp. conductance				46	µS/cm
Water temperature				18.0	°C
Alkalinity as CaCO ₃				9	mg/L
Turbidity				1	NTU
Volume purged				4.3	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				12,000	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				18	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				3.6E+00	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				1.2	1	JE	µg/L	GE	0
		Copper, total recoverable				1.4	1	JE	µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				7.7E-01	1	UI	pCi/L	GP	0
		Lead, total recoverable				<5.0	1		µg/L	GE	0
		Lithium, total recoverable				<25	1		µg/L	GE	0
		Mercury, total recoverable				<0.16	1	V	µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				7.7E-01	1	UI	pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				2.0E-01	1	UI	pCi/L	GP	0
		Selenium, total recoverable				<2.4	1	V	µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				-1.4E-02	1	UI	pCi/L	GP	0
●		Sulfate				430	1	J1	µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				40,000	1		µg/L	GE	0
		Total organic carbon				<5,000	1		µg/L	GE	0
●		Total organic halogens				<10	1	J1	µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
■		Trichloroethylene				6.1	1		µg/L	GE	2
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
■		Tritium				5.1E+01	1		pCi/mL	GP	2
		Zinc, total recoverable				2.4	1	JE	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 35D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N73946.0 E56556.5	33.281599 °N 81.661514 °W	239.4-219.4 ft msl	273.5 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE

10/27/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				231.7	ft msl
pH				3.9	pH
Sp. conductance				55	µS/cm
Water temperature				19.6	°C
Alkalinity as CaCO ₃				1	mg/L
Turbidity				26	NTU
Volume purged				0.12	well volume
Sampling code				X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				2,100	1		µg/L	GE	
		Aluminum, total recoverable				1,300	1		µg/L	GE	2
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				28	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				1.7E+00	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				0.69	1	JE	µg/L	GE	0
		Chromium, total recoverable				7.9	1		µg/L	GE	0
		Copper, total recoverable				67	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				3.9E+00	1		pCi/L	GP	0
		Iron, total recoverable				1,800	1		µg/L	GE	2
		Lead, total recoverable				7.8	1		µg/L	GE	0
		Lithium, total recoverable				<25	1		µg/L	GE	0
		Manganese, total recoverable				5.5	1	JE	µg/L	GE	0
		Mercury, total recoverable				0.14	1	JE	µg/L	GE	0
		Nickel, total recoverable				3.5	1	JE	µg/L	GE	0
		Nonvolatile beta				4.6E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				1.0E+00	1		pCi/L	GP	0
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				<1.8	1	V	µg/L	GE	0
		Strontium-90				1.4E-01	1	UI	pCi/L	GP	0
		Sulfate				270	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				32,000	1		µg/L	GE	0
		Total organic carbon				1,300	1	JE	µg/L	GE	0
●		Total organic halogens				<14	1	JV1	µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				<1.0	1		µg/L	GE	0
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
■		Tritium				6.7E+01	1	V	pCi/mL	GP	2
		Zinc, total recoverable				32	1	V	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 36D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N73743.8 E56888.1	33.281692 °N 81.660248 °W	243.3-223.3 ft msl	275.4 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 10/29/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				234.0	ft msl
pH				4.5	pH
Sp. conductance				24	µS/cm
Water temperature				20.9	°C
Alkalinity as CaCO ₃				0	mg/L
Turbidity				10	NTU
Volume purged					well volume
Sampling code				X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				27,000	1		µg/L	GE	
		Aluminum, total recoverable				520	1		µg/L	GE	2
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				14	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				5.8E+00	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				<5.0	1		µg/L	GE	0
		Copper, total recoverable				32	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				5.3E+00	1		pCi/L	GP	0
		Iron, total recoverable				730	1		µg/L	GE	2
		Lead, total recoverable				15	1	V	µg/L	GE	0
		Lithium, total recoverable				<25	1		µg/L	GE	0
		Manganese, total recoverable				<8.0	1	V	µg/L	GE	0
		Mercury, total recoverable				<0.10	1	V	µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				4.8E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				1.3E+00	1		pCi/L	GP	0
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				1.3E-01	1	UI	pCi/L	GP	0
●		Sulfate				160	1	JE1	µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				31,000	1		µg/L	GE	0
		Total organic carbon				<180	1	V	µg/L	GE	0
●		Total organic halogens				<10	1	J1	µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				<1.0	1		µg/L	GE	0
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
■		Tritium				2.3E+01	1		pCi/mL	GP	2
		Zinc, total recoverable				44	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 37C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N73498.2 E57279.2	33.281787 °N 81.658741 °W	178.8-168.8 ft msl	286.3 ft msl	4" PVC	S	McBean (IIB1)

SAMPLE DATE

10/28/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				227.6	ft msl
pH				4.2	pH
Sp. conductance				54	µS/cm
Water temperature				18.0	°C
Alkalinity as CaCO ₃				0	mg/L
Turbidity				1	NTU
Volume purged				4.4	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				2,700	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				11	1		µg/L	GE	0
		Benzene				1.4	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
■		Carbon tetrachloride				11	1		µg/L	GE	2
		Carbon-14				2.0E+02	1		pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
■		Chloroethene (Vinyl chloride)				11	1		µg/L	GE	2
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
■		Chloroform				160	50		µg/L	GE	2
		Chloromethane (Methyl chloride)				0.76	1	JE	µg/L	GE	0
		Chromium, total recoverable				<5.0	1		µg/L	GE	0
		Copper, total recoverable				10	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				52	1		µg/L	GE	2
		1,2-Dichloroethane				1.5	1		µg/L	GE	0
■		1,1-Dichloroethylene				26	1		µg/L	GE	2
		trans-1,2-Dichloroethylene				3.5	1		µg/L	GE	0
		Dichloromethane				<3.3	1	V	µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				4.5E+00	1		pCi/L	GP	0
		Lead, total recoverable				2.2	1	JE	µg/L	GE	0
		Lithium, total recoverable				<25	1		µg/L	GE	0
		Mercury, total recoverable				2.0	1		µg/L	GE	2
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				3.1E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				1.3E+00	1		pCi/L	GP	0
		Selenium, total recoverable				2.0	1	JE	µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				3.0E+00	1		pCi/L	GP	0
		Sulfate				290	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
■		Tetrachloroethylene				50	1		µg/L	GE	2
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				39,000	1		µg/L	GE	0
●		Total organic carbon				<1,100	1	V	µg/L	GE	0
		Total organic halogens				170	1	J1	µg/L	GE	2
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				1.2	1		µg/L	GE	0
■		Trichloroethylene				1,200	50		µg/L	GE	2
		Trichlorofluoromethane				1.8	1		µg/L	GE	0
■		Tritium				2.1E+05	1		pCi/mL	GP	2
		Zinc, total recoverable				3.6	1	JE	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 37D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N73490.8 E57292.9	33.281793 °N 81.658691 °W	246.1-226.1 ft msl	287.3 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE

10/29/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				235.1	ft msl
pH				4.9	pH
Sp. conductance				25	µS/cm
Water temperature				19.6	°C
Alkalinity as CaCO ₃				3	mg/L
Turbidity				13	NTU
Volume purged				0.85	well volume
Sampling code				X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				4,000	1		µg/L	GE	
		Aluminum, total recoverable				500	1		µg/L	GE	2
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				6.9	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				-1.3E+00	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				3.8	1	JE	µg/L	GE	0
		Copper, total recoverable				25	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				1.6E+00	1		pCi/L	GP	0
		Iron, total recoverable				1,000	1		µg/L	GE	2
		Lead, total recoverable				19	1	V	µg/L	GE	0
		Lithium, total recoverable				<25	1		µg/L	GE	0
		Manganese, total recoverable				11	1	V	µg/L	GE	0
		Mercury, total recoverable				<0.13	1	V	µg/L	GE	0
		Nickel, total recoverable				2.9	1	JE	µg/L	GE	0
		Nonvolatile beta				1.6E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				2.0E-01	1	UI	pCi/L	GP	0
		Selenium, total recoverable				<2.2	1	V	µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				-3.3E-01	1	UJI	pCi/L	GP	0
●		Sulfate				130	1	JE1	µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				30,000	1		µg/L	GE	0
		Total organic carbon				<220	1	V	µg/L	GE	0
●		Total organic halogens				<8.5	1	JV1	µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				<1.0	1		µg/L	GE	0
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
■		Tritium				2.7E+01	1		pCi/mL	GP	2
		Zinc, total recoverable				58	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 38D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N73329.3 E57557.5	33.281868 °N 81.657681 °W	242.3-222.3 ft msl	291.6 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE

10/29/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				232.7	ft msl
pH				4.1	pH
Sp. conductance				53	µS/cm
Water temperature				16.4	°C
Alkalinity as CaCO ₃				0	mg/L
Turbidity				45	NTU
Volume purged				0.88	well volume
Sampling code				X	

ANALYTICAL DATA

Parameter	1Q	2Q	3Q	4Q	Unit	GE	GP
Alkalinity (as CaCO ₃)				<1,000	µg/L	GE	0
Aluminum, total recoverable				1,300	µg/L	GE	2
Antimony, total recoverable				<10	µg/L	GE	0
Arsenic, total recoverable				<5.0	µg/L	GE	0
Barium, total recoverable				50	µg/L	GE	0
Benzene				<1.0	µg/L	GE	0
Boron, total recoverable				<50	µg/L	GE	0
Bromodichloromethane				<1.0	µg/L	GE	0
Bromoform				<1.0	µg/L	GE	0
Bromomethane (Methyl bromide)				<1.0	µg/L	GE	0
Cadmium, total recoverable				<5.0	µg/L	GE	0
Carbon tetrachloride				<1.0	µg/L	GE	0
Carbon-14				1.2E+00	pCi/L	GP	0
Chlorobenzene				<1.0	µg/L	GE	0
Chloroethane				<1.0	µg/L	GE	0
Chloroethene (Vinyl chloride)				<1.0	µg/L	GE	0
2-Chloroethyl vinyl ether				<5.0	µg/L	GE	0
Chloroform				<1.0	µg/L	GE	0
Chloromethane (Methyl chloride)				0.63	µg/L	GE	0
Chromium, total recoverable				5.0	µg/L	GE	0
Copper, total recoverable				15	µg/L	GE	0
Dibromochloromethane				<1.0	µg/L	GE	0
1,1-Dichloroethane				<1.0	µg/L	GE	0
1,2-Dichloroethane				<1.0	µg/L	GE	0
1,1-Dichloroethylene				<1.0	µg/L	GE	0
trans-1,2-Dichloroethylene				<1.0	µg/L	GE	0
Dichloromethane				<1.0	µg/L	GE	0
1,2-Dichloropropane				<1.0	µg/L	GE	0
cis-1,3-Dichloropropene				<1.0	µg/L	GE	0
trans-1,3-Dichloropropene				<1.0	µg/L	GE	0
Ethylbenzene				<1.0	µg/L	GE	0
Gross alpha				6.3E+00	pCi/L	GP	0
Iron, total recoverable				2,400	µg/L	GE	2
Lead, total recoverable				6.7	µg/L	GE	0
Lithium, total recoverable				<25	µg/L	GE	0
Manganese, total recoverable				<10	µg/L	GE	0
Mercury, total recoverable				<0.12	µg/L	GE	0
Nickel, total recoverable				3.5	µg/L	GE	0
Nonvolatile beta				3.5E+00	pCi/L	GP	0
Phenols				<5.0	µg/L	GE	0
Radium, total alpha-emitting				8.0E-01	pCi/L	GP	0
Selenium, total recoverable				<5.0	µg/L	GE	0
Silver, total recoverable				<5.0	µg/L	GE	0
Strontium-90				7.4E-01	pCi/L	GP	0
• Sulfate				96	µg/L	GE	0
1,1,2,2-Tetrachloroethane				<1.0	µg/L	GE	0
Tetrachloroethylene				<1.0	µg/L	GE	0
Tin, total recoverable				<10	µg/L	GE	0
Toluene				<1.0	µg/L	GE	0
Total dissolved solids				27,000	µg/L	GE	0
Total organic carbon				<360	µg/L	GE	0
• Total organic halogens				14	µg/L	GE	0
1,1,1-Trichloroethane				<1.0	µg/L	GE	0
1,1,2-Trichloroethane				<1.0	µg/L	GE	0
Trichloroethylene				<1.0	µg/L	GE	0
Trichlorofluoromethane				<1.0	µg/L	GE	0
■ Tritium				2.3E+01	pCi/mL	GP	2
Zinc, total recoverable				10	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 39A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N73573.2 E57821.9	33.282839 °N 81.657458 °W	94.8-84.8 ft msl	295.9 ft msl	2" PVC	V	U. Congaree (IIA)

SAMPLE DATE

11/04/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				166.5	ft msl
pH				8.0	pH
Sp. conductance				230	µS/cm
Water temperature				20.2	°C
Alkalinity as CaCO ₃				101	mg/L
Turbidity				1	NTU
Volume purged				2.5	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				87,000	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				3.3	1	JE	µg/L	GE	0
		Barium, total recoverable				61	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				-4.9E+00	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				0.68	1	JE	µg/L	GE	0
		Chromium, total recoverable				<5.0	1		µg/L	GE	0
		Copper, total recoverable				<5.0	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				2.1E+00	1		pCi/L	GP	0
		Lead, total recoverable				<5.0	1		µg/L	GE	0
		Lithium, total recoverable				63	1		µg/L	GE	0
		Mercury, total recoverable				<0.20	1		µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				7.4E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				1.0E-01	1	UI	pCi/L	GP	0
		Selenium, total recoverable				<1.5	1	V	µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				4.0E-02	1	UI	pCi/L	GP	0
		Sulfate				11,000	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				160,000	1		µg/L	GE	0
		Total organic carbon				2,200	1	JE	µg/L	GE	0
		Total organic halogens				<10	1		µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				<1.0	1		µg/L	GE	0
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
		Tritium				-2.0E-01	1	UI	pCi/mL	GP	0
		Zinc, total recoverable				1.0	1	JE	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 39C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N73563.3 E57816.1	33.282807 °N 81.657454 °W	184.9-174.9 ft msl	296.4 ft msl	2" PVC	V	Barnwell (IIB1)

SAMPLE DATE

11/03/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				210.4	ft msl
pH				5.6	pH
Sp. conductance				160	µS/cm
Water temperature				19.0	°C
Alkalinity as CaCO ₃				32	mg/L
Turbidity				3.2	NTU
Volume purged					well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				20,000	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				5.8	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				2.1E-01	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				3.7	1	JE	µg/L	GE	0
		Copper, total recoverable				40	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				4.5E-01	1		pCi/L	GP	0
		Lead, total recoverable				20	1		µg/L	GE	0
		Lithium, total recoverable				<25	1		µg/L	GE	0
		Mercury, total recoverable				<0.20	1		µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				3.6E-01	1	UI	pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				1.0E-01	1	UI	pCi/L	GP	0
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				-6.1E-01	1	UJI	pCi/L	GP	0
		Sulfate				500	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				50,000	1		µg/L	GE	0
		Total organic carbon				<5,000	1		µg/L	GE	0
		Total organic halogens				<10	1		µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				2.8	1		µg/L	GE	1
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
		Tritium				4.0E+00	1		pCi/mL	GP	0
		Zinc, total recoverable				34	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 39D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N73583.5 E57831.0	33.282876 °N 81.657454 °W	244.7-224.7 ft msl	295.7 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 11/03/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				232.6	ft msl
pH				5.4	pH
Sp. conductance				200	µS/cm
Water temperature				20.0	°C
Alkalinity as CaCO ₃				30	mg/L
Turbidity				43	NTU
Volume purged					well volume
Sampling code				X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				20,000	1		µg/L	GE	
		Aluminum, total recoverable				41	1	JE	µg/L	GE	1
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				2.0	1	JE	µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				1.4E+00	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				2.3	1	JE	µg/L	GE	0
		Copper, total recoverable				1.9	1	JE	µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				3.0E-01	1	UI	pCi/L	GP	0
		Iron, total recoverable				140	1	V	µg/L	GE	0
		Lead, total recoverable				4.3	1	JE	µg/L	GE	0
		Lithium, total recoverable				<25	1		µg/L	GE	0
		Manganese, total recoverable				4.2	1	JE	µg/L	GE	0
		Mercury, total recoverable				<0.20	1		µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				4.4E-01	1	UI	pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				2.0E-01	1	UI	pCi/L	GP	0
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				3.7E-02	1	UIJ3	pCi/L	GP	0
		Sulfate				510	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				49,000	1		µg/L	GE	0
		Total organic carbon				<5,000	1		µg/L	GE	0
		Total organic halogens				<10	1		µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				2.3	1		µg/L	GE	0
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
		Tritium				1.0E+01	1	J	pCi/mL	GP	1
		Zinc, total recoverable				9.2	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 40D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N76125.8 E54638.6	33.283290 °N 81.670799 °W	226.5-216.6 ft msl	288.4 ft msl	4"PVC	S	Barnwell (IIB1)

FIELD DATA

<u>Parameter</u>	<u>1Q</u>	<u>2Q</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation				219.3	ft msl
pH					pH
Sp. conductance					µS/cm
Water temperature					°C
Alkalinity as CaCO ₃					mg/L
Turbidity					NTU
Volume purged				0.0	well volume
Sampling code					

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 41A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76469.5	33.285299 °N	113.3-103.3 ft msl	300.3 ft msl	4" PVC	S	U. Congaree (IIA)
E55403.7	81.669452 °W					

SAMPLE DATE

11/04/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				157.6	ft msl
pH				11.9	pH
Sp. conductance				3900	µS/cm
Water temperature				17.3	°C
Alkalinity as CaCO ₃				1000	mg/L
Turbidity				3	NTU
Volume purged				0.056	well volume
Sampling code				X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				400,000	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				500	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				24	1	JE	µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				6.9E+01	1		pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				1.1	1		µg/L	GE	0
		Chromium, total recoverable				15	1		µg/L	GE	0
		Copper, total recoverable				4.1	1	JE	µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
■		Gross alpha				1.8E+01	1		pCi/L	GP	2
		Lead, total recoverable				9.5	1		µg/L	GE	0
		Lithium, total recoverable				130	1		µg/L	GE	1
		Mercury, total recoverable				<0.20	1		µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				1.1E+01	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				3.5E+00	1		pCi/L	GP	1
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				4.0E-02	1	UI	pCi/L	GP	0
		Sulfate				8,600	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				430,000	1		µg/L	GE	
		Total organic carbon				850	1	JE	µg/L	GE	0
		Total organic halogens				<10	1		µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
■		Trichloroethylene				10	1		µg/L	GE	2
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
		Tritium				1.5E+00	1		pCi/mL	GP	0
		Zinc, total recoverable				9.6	1	J	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 42C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76404.7 E55522.3	33.285349 °N 81.669014 °W	195.9-185.9 ft msl	297.9 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE

10/29/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				220.2	ft msl
pH				4.2	pH
Sp. conductance				140	µS/cm
Water temperature				18.0	°C
Alkalinity as CaCO ₃				0	mg/L
Turbidity				5	NTU
Volume purged				0.044	well volume
Sampling code				X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				5,800	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				14	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				56	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				1.3E+00	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				1.0	1	JE	µg/L	GE	0
		Copper, total recoverable				67	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				1.4E+00	1		pCi/L	GP	0
		Lead, total recoverable				16	1	V	µg/L	GE	0
		Lithium, total recoverable				<25	1		µg/L	GE	0
		Mercury, total recoverable				<0.11	1	V	µg/L	GE	0
		Nickel, total recoverable				2.5	1	JE	µg/L	GE	0
		Nonvolatile beta				1.4E+00	1		pCi/L	GP	0
		Phenols				<5.0	1	J	µg/L	GE	0
		Radium, total alpha-emitting				-1.0E-01	1	UI	pCi/L	GP	0
		Selenium, total recoverable				<1.8	1	V	µg/L	GE	0
		Silver, total recoverable				0.76	1	JE	µg/L	GE	0
		Strontium-90				3.1E-01	1	UJI	pCi/L	GP	0
●		Sulfate				650	1	J1	µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				38,000	1		µg/L	GE	0
		Total organic carbon				<600	1	V	µg/L	GE	0
●		Total organic halogens				40	1	JV1	µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
■		Trichloroethylene				32	1		µg/L	GE	2
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
		Tritium				8.2E+00	1		pCi/mL	GP	0
		Zinc, total recoverable				120	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 43A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N77061.4 E56253.4	33.287994 °N 81.668364 °W	115.9-105.9 ft msl	314.9 ft msl	4" PVC	S	U. Congaree (IIA)

SAMPLE DATE

10/28/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				157.6	ft msl
pH				12.6	pH
Sp. conductance				3400	µS/cm
Water temperature				21.0	°C
Alkalinity as CaCO ₃				330	mg/L
Turbidity				4	NTU
Volume purged				0.029	well volume
Sampling code				X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				450,000	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				320	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				23	1	JE	µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				-1.4E+00	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				12	1		µg/L	GE	0
		Copper, total recoverable				<5.0	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				2.4E+00	1		pCi/L	GP	0
		Lead, total recoverable				5.0	1	JE	µg/L	GE	0
		Lithium, total recoverable				500	1		µg/L	GE	2
		Mercury, total recoverable				<0.20	1		µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				1.3E+01	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				4.0E-01	1		pCi/L	GP	0
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				<2.8	1	V	µg/L	GE	0
		Strontium-90				-1.1E-02	1	UI	pCi/L	GP	0
		Sulfate				8,100	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				0.47	1	JE	µg/L	GE	0
		Total dissolved solids				480,000	1		µg/L	GE	0
		Total organic carbon				2,100	1	JE	µg/L	GE	0
		Total organic halogens				<10	1	J1	µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				<1.0	1		µg/L	GE	0
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
		Tritium				1.9E+00	1		pCi/mL	GP	0
		Zinc, total recoverable				9.3	1	V	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 43AA

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N77066.0 E56268.6	33.288029 °N 81.668333 °W	72.2-62.2 ft msl 314.3 ft msl	4" PVC	S	L. Congaree (IIA)	

SAMPLE DATE

10/28/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				155.7	ft msl
pH				8.6	pH
Sp. conductance				160	µS/cm
Water temperature				18.0	°C
Alkalinity as CaCO ₃				77	mg/L
Turbidity				4	NTU
Volume purged				2.6	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				50,000	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				74	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				0.0E+00	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				2.7	1	JE	µg/L	GE	0
		Copper, total recoverable				<5.0	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				1.5E+00	1		pCi/L	GP	0
		Lead, total recoverable				<5.0	1		µg/L	GE	0
		Lithium, total recoverable				35	1		µg/L	GE	0
		Mercury, total recoverable				<0.20	1		µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				2.2E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				1.3E+00	1		pCi/L	GP	0
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				<2.6	1	V	µg/L	GE	0
		Strontium-90				2.3E-01	1	UI	pCi/L	GP	0
		Sulfate				7,200	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				95,000	1		µg/L	GE	0
		Total organic carbon				<5,000	1		µg/L	GE	0
●		Total organic halogens				<10	1	J1	µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				<1.0	1		µg/L	GE	0
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
		Tritium				-2.1E-01	1	UI	pCi/mL	GP	0
		Zinc, total recoverable				<5.0	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 43CR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N77035.2	33.287910 °N	188.4-178.4 ft msl	315.3 ft msl	4" PVC	S	Barnwell (IIB1)
E56237.2	81.668356 °W					

SAMPLE DATE

10/28/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				222.3	ft msl
pH				7.4	pH
Sp. conductance				160	µS/cm
Water temperature				20.0	°C
Alkalinity as CaCO ₃				29	mg/L
Turbidity				5	NTU
Volume purged				0.035	well volume
Sampling code				X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				15,000	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				63	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				110	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				2.1E+01	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				2.0	1	JE	µg/L	GE	0
		Copper, total recoverable				21	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
	■	Gross alpha				2.7E+01	1		pCi/L	GP	2
		Lead, total recoverable				16	1		µg/L	GE	0
		Lithium, total recoverable				37	1		µg/L	GE	0
		Mercury, total recoverable				<0.20	1		µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				1.5E+01	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				6.9E+00	1		pCi/L	GP	2
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				<2.5	1	V	µg/L	GE	0
		Strontium-90				1.4E-01	1	UI	pCi/L	GP	0
		Sulfate				14,000	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				52,000	1		µg/L	GE	0
		Total organic carbon				2,200	1	JE	µg/L	GE	0
	●	Total organic halogens				<10	1	J1	µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				<1.0	1		µg/L	GE	0
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
		Tritium				4.3E+00	1		pCi/mL	GP	0
		Zinc, total recoverable				180	1	V	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 43D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N77056.7 E56238.8	33.287960 °N 81.668394 °W	208.2-198.2 ft msl	315.3 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE 10/28/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				228.2	ft msl
pH				6.2	pH
Sp. conductance				50	µS/cm
Water temperature				19.0	°C
Alkalinity as CaCO ₃				58	mg/L
Turbidity				2	NTU
Volume purged				2.6	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				11,000	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				33	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				53	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				6.1E+00	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				0.88	1	JE	µg/L	GE	0
		Copper, total recoverable				3.7	1	JE	µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				5.8E+00	1		pCi/L	GP	0
		Lead, total recoverable				14	1		µg/L	GE	0
		Lithium, total recoverable				<25	1		µg/L	GE	0
		Mercury, total recoverable				<0.20	1		µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				5.1E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				1.4E+00	1		pCi/L	GP	0
		Selenium, total recoverable				2.5	1	JE	µg/L	GE	0
		Silver, total recoverable				<2.4	1	V	µg/L	GE	0
		Strontium-90				1.5E-01	1	UI	pCi/L	GP	0
		Sulfate				9,500	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				38,000	1		µg/L	GE	
		Total organic carbon				240	1	JE	µg/L	GE	0
		Total organic halogens				<10	1	J1	µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				0.75	1	JE	µg/L	GE	0
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
		Tritium				4.6E+00	1		pCi/mL	GP	0
		Zinc, total recoverable				<6.9	1	V	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 44A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76755.2	33.289924 °N	108.0-98.0 ft msl	285.3 ft msl	4" PVC	S	U. Congaree (IIA)
E57851.2	81.663562 °W					

SAMPLE DATE

10/27/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				158.0	ft msl
pH				6.9	pH
Sp. conductance				175	µS/cm
Water temperature				18.7	°C
Alkalinity as CaCO ₃				78	mg/L
Turbidity				1	NTU
Volume purged				2.9	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				80,000	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				36	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				1.5E+01	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				1.9	1	JE	µg/L	GE	0
		Copper, total recoverable				<5.0	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				1.1E+00	1	UI	pCi/L	GP	0
		Lead, total recoverable				<5.0	1		µg/L	GE	0
		Lithium, total recoverable				<25	1		µg/L	GE	0
		Mercury, total recoverable				0.13	1	JE	µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				1.4E+00	1	UI	pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				2.0E-01	1	UI	pCi/L	GP	0
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				<2.7	1	V	µg/L	GE	0
		Strontium-90				4.6E-01	1	UI	pCi/L	GP	0
		Sulfate				6,000	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				130,000	1		µg/L	GE	0
		Total organic carbon				<5,000	1		µg/L	GE	0
		Total organic halogens				<13	1	JV1	µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				<1.0	1		µg/L	GE	0
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
		Tritium				2.5E-01	1	UI	pCi/mL	GP	0
		Zinc, total recoverable				<5.0	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 44AA

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76757.0 E57880.5	33.289976 °N 81.663488 °W	71.3-61.2 ft msl 285.3 ft msl	4" PVC	S	L. Congaree (IIA)	

SAMPLE DATE

10/27/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				158.3	ft msl
pH				10.9	pH
Sp. conductance				390	µS/cm
Water temperature				20.0	°C
Alkalinity as CaCO ₃				140	mg/L
Turbidity				0	NTU
Volume purged				2.4	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				78,000	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				110	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				1.3E+01	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				1.2	1	JE	µg/L	GE	0
		Copper, total recoverable				<5.0	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				1.0E+00	1	UI	pCi/L	GP	0
		Lead, total recoverable				0.84	1	JE	µg/L	GE	0
		Lithium, total recoverable				57	1		µg/L	GE	0
		Mercury, total recoverable				0.14	1	JE	µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				3.7E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				1.0E+00	1		pCi/L	GP	0
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				<2.4	1	V	µg/L	GE	0
		Strontium-90				4.5E-02	1	UI	pCi/L	GP	0
		Sulfate				9,500	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				0.42	1	JE	µg/L	GE	0
		Total dissolved solids				120,000	1		µg/L	GE	0
●		Total organic carbon				<5,000	1	J1	µg/L	GE	0
●		Total organic halogens				<10	1	J1	µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				<1.0	1		µg/L	GE	0
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
		Tritium				5.9E+00	1		pCi/mL	GP	0
		Zinc, total recoverable				<5.3	1	V	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 44B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76756.0 E57865.8	33.289950 °N 81.663525 °W	158.1-148.1 ft msl	285.2 ft msl	4" PVC	S	McBean (IIB1)

SAMPLE DATE

10/28/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				219.3	ft msl
pH				8.5	pH
Sp. conductance				160	µS/cm
Water temperature				17.8	°C
Alkalinity as CaCO ₃				63	mg/L
Turbidity				14	NTU
Volume purged				0.39	well volume
Sampling code				X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				30,000	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				110	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				9.8E+00	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				2.3	1	JE	µg/L	GE	0
		Copper, total recoverable				<5.0	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				2.3E+00	1		pCi/L	GP	0
		Lead, total recoverable				1.1	1	JE	µg/L	GE	0
		Lithium, total recoverable				37	1		µg/L	GE	0
		Mercury, total recoverable				<0.20	1		µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				3.1E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				1.0E+00	1		pCi/L	GP	0
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				<2.5	1	V	µg/L	GE	0
		Strontium-90				-1.1E-01	1	UI	pCi/L	GP	0
		Sulfate				9,800	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				96,000	1		µg/L	GE	0
		Total organic carbon				2,100	1	JE	µg/L	GE	0
●		Total organic halogens				<10	1	J1	µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				<1.0	1		µg/L	GE	0
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
■		Tritium				9.8E+01	1		pCi/mL	GP	2
		Zinc, total recoverable				42	1	V	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 44C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76757.8 E57894.9	33.290001 °N 81.663452 °W	200.6-190.6 ft msl	285.6 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE

10/28/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				219.3	ft msl
pH				7.0	pH
Sp. conductance				160	µS/cm
Water temperature				17.6	°C
Alkalinity as CaCO ₃				61	mg/L
Turbidity				12	NTU
Volume purged				0.43	well volume
Sampling code				X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				49,000	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				68	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				1.1E+00	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				6.8	1		µg/L	GE	0
		Copper, total recoverable				<5.0	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				5.7E+00	1		pCi/L	GP	0
		Lead, total recoverable				12	1		µg/L	GE	0
		Lithium, total recoverable				22	1	JE	µg/L	GE	0
		Mercury, total recoverable				<0.20	1		µg/L	GE	0
		Nickel, total recoverable				6.5	1		µg/L	GE	0
		Nonvolatile beta				4.4E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				1.7E+00	1		pCi/L	GP	0
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				<2.6	1	V	µg/L	GE	0
		Strontium-90				9.6E-02	1	UI	pCi/L	GP	0
		Sulfate				1,500	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				64,000	1		µg/L	GE	0
		Total organic carbon				<5,000	1		µg/L	GE	0
●		Total organic halogens				<10	1	J1	µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				0.56	1	JE	µg/L	GE	0
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
■		Tritium				2.0E+02	1		pCi/mL	GP	2
		Zinc, total recoverable				44	1	V	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 44D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76759.5 E57910.0	33.290030 °N 81.663415 °W	233.4-223.4 ft msl	285.4 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 10/27/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				231.3	ft msl
pH				4.5	pH
Sp. conductance				19	µS/cm
Water temperature				19.5	°C
Alkalinity as CaCO ₃				0	mg/L
Turbidity				1	NTU
Volume purged				5.8	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				2,500	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				64	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				0.52	1	JE	µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				-9.9E+00	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				0.93	1	JE	µg/L	GE	0
		Copper, total recoverable				1.9	1	JE	µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				6.8E+00	1		pCi/L	GP	0
		Lead, total recoverable				<5.0	1		µg/L	GE	0
		Lithium, total recoverable				<25	1		µg/L	GE	0
		Mercury, total recoverable				0.21	1		µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				3.8E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				1.6E+00	1		pCi/L	GP	0
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				<2.0	1	V	µg/L	GE	0
		Strontium-90				-1.7E-01	1	UI	pCi/L	GP	0
		Sulfate				180	1	JE	µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				19,000	1		µg/L	GE	0
●		Total organic carbon				<250	1	JV1	µg/L	GE	0
●		Total organic halogens				<10	1	J1	µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				<1.0	1		µg/L	GE	0
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
		Tritium				1.6E+01	1		pCi/mL	GP	1
		Zinc, total recoverable				<1.1	1	V	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.
 ● = exceeded holding time for fourth quarter 1997.
 ■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 45A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75830.0 E54550.1	33.282492 °N 81.670457 °W	126.9-116.9 ft msl	278.9 ft msl	4" PVC	S	U. Congaree (IIA)

SAMPLE DATE

10/28/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				159.8	ft msl
pH				7.7	pH
Sp. conductance				180	µS/cm
Water temperature				19.2	°C
Alkalinity as CaCO ₃				78	mg/L
Turbidity				1	NTU
Volume purged				2.6	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				80,000	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				46	1		µg/L	GE	0
		Benzene				<1.0	1	J	µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1	J	µg/L	GE	0
		Bromoform				<1.0	1	J	µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1	J	µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1	J	µg/L	GE	0
		Carbon-14				1.2E+00	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1	J	µg/L	GE	0
		Chloroethane				<1.0	1	J	µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1	J	µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1	J	µg/L	GE	0
		Chloroform				<1.0	1	J	µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1	J	µg/L	GE	0
		Chromium, total recoverable				1.3	1	JE	µg/L	GE	0
		Copper, total recoverable				<5.0	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1	J	µg/L	GE	0
		1,1-Dichloroethane				<1.0	1	J	µg/L	GE	0
		1,2-Dichloroethane				<1.0	1	J	µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1	J	µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1	J	µg/L	GE	0
		Dichloromethane				<1.0	1	J	µg/L	GE	0
		1,2-Dichloropropane				<1.0	1	J	µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1	J	µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1	J	µg/L	GE	0
		Ethylbenzene				<1.0	1	J	µg/L	GE	0
		Gross alpha				1.3E+00	1	UI	pCi/L	GP	0
		Lead, total recoverable				<5.0	1		µg/L	GE	0
		Lithium, total recoverable				<25	1		µg/L	GE	0
		Mercury, total recoverable				<0.20	1		µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				1.4E+00	1	UI	pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				<2.8	1	V	µg/L	GE	0
		Strontium-90				-2.6E-01	1	UI	pCi/L	GP	0
		Sulfate				2,300	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1	J	µg/L	GE	0
		Tetrachloroethylene				<1.0	1	J	µg/L	GE	0
		Tin, total recoverable				15	1		µg/L	GE	0
		Toluene				<1.0	1	J	µg/L	GE	0
		Total dissolved solids				94,000	1		µg/L	GE	0
		Total organic carbon				340	1	JE	µg/L	GE	0
		Total organic halogens				23	1	J1	µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1	J	µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1	J	µg/L	GE	0
		Trichloroethylene				0.69	1	JE	µg/L	GE	0
		Trichlorofluoromethane				<1.0	1	J	µg/L	GE	0
		Tritium				1.0E+01	1		pCi/mL	GP	1
		Zinc, total recoverable				<5.0	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 45B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75840.3 E54563.6	33.282536 °N 81.670441 °W	147.0-137.0 ft msl	278.6 ft msl	4" PVC	S	McBean (IIB1)

SAMPLE DATE

10/28/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				216.3	ft msl
pH				9.6	pH
Sp. conductance				175	µS/cm
Water temperature				19.7	°C
Alkalinity as CaCO ₃				71	mg/L
Turbidity				2	NTU
Volume purged				0.12	well volume
Sampling code				X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				2,100	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				69	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				6.0E+00	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				2.0	1	JE	µg/L	GE	0
		Copper, total recoverable				<5.0	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				1.5E+00	1		pCi/L	GP	0
		Lead, total recoverable				1.2	1	JE	µg/L	GE	0
		Lithium, total recoverable				58	1		µg/L	GE	0
		Mercury, total recoverable				<0.20	1		µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				3.8E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				4.0E-01	1		pCi/L	GP	0
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				<2.7	1	V	µg/L	GE	0
		Strontium-90				1.6E-03	1	UI	pCi/L	GP	0
		Sulfate				510	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				47,000	1		µg/L	GE	0
		Total organic carbon				1,800	1	JE	µg/L	GE	0
		Total organic halogens				<10	1	J1	µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				0.66	1	JE	µg/L	GE	0
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
		Tritium				1.1E+01	1		pCi/mL	GP	1
		Zinc, total recoverable				<5.0	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 45C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75835.0 E54577.4	33.282547 °N 81.670395 °W	200.5-190.5 ft msl	278.6 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE 10/28/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				219.9	ft msl
pH				5.5	pH
Sp. conductance				32	µS/cm
Water temperature				20.3	°C
Alkalinity as CaCO ₃				1	mg/L
Turbidity				13	NTU
Volume purged				0.10	well volume
Sampling code				X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				7,400	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				17	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				29	1	JE	µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				9.9E+00	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				2.0	1	JE	µg/L	GE	0
		Copper, total recoverable				12	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				8.9E-01	1	UI	pCi/L	GP	0
		Lead, total recoverable				20	1		µg/L	GE	0
		Lithium, total recoverable				<25	1		µg/L	GE	0
		Mercury, total recoverable				<0.20	1		µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				1.6E+00	1	UI	pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				4.0E-01	1	UI	pCi/L	GP	0
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				<2.2	1	V	µg/L	GE	0
		Strontium-90				2.2E-01	1	UI	pCi/L	GP	0
		Sulfate				560	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				59,000	1		µg/L	GE	0
		Total organic carbon				<5,000	1		µg/L	GE	0
●		Total organic halogens				<10	1	J1	µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				<1.0	1		µg/L	GE	0
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
■		Tritium				4.4E+02	1	V	pCi/mL	GP	2
		Zinc, total recoverable				28	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 45D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75854.3 E54585.6	33.282603 °N 81.670411 °W	229.6-209.6 ft msl	278.6 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 10/28/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				224.6	ft msl
pH				5.1	pH
Sp. conductance				21	µS/cm
Water temperature				18.4	°C
Alkalinity as CaCO ₃				4	mg/L
Turbidity				1	NTU
Volume purged				4.5	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				4,000	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				12	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				1.6E+01	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				<5.0	1		µg/L	GE	0
		Copper, total recoverable				<5.0	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				2.0E+00	1		pCi/L	GP	0
		Lead, total recoverable				2.6	1	JE	µg/L	GE	0
		Lithium, total recoverable				<25	1		µg/L	GE	0
		Mercury, total recoverable				<0.20	1		µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				1.8E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				6.0E-01	1		pCi/L	GP	0
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				<2.2	1	V	µg/L	GE	0
		Strontium-90				-1.7E-01	1	UI	pCi/L	GP	0
		Sulfate				310	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				0.64	1	JE	µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				21,000	1		µg/L	GE	0
		Total organic carbon				<160	1	V	µg/L	GE	0
●		Total organic halogens				<10	1	J1	µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				1.3	1		µg/L	GE	0
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
		Tritium				1.4E+01	1		pCi/mL	GP	1
		Zinc, total recoverable				<2.9	1	V	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 46B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75012.1 E54444.7	33.280511 °N 81.669146 °W	150.4-140.4 ft msl	265.4 ft msl	4" PVC	S	McBean (IIB1)

SAMPLE DATE

11/03/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				174.7	ft msl
pH				5.8	pH
Sp. conductance				42	µS/cm
Water temperature				18	°C
Alkalinity as CaCO ₃				30	mg/L
Turbidity				3.1	NTU
Volume purged					well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				21,000	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				2.2	1	JE	µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				0.25	1	JE	µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				7.4E+00	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				2.7	1	JE	µg/L	GE	0
		Copper, total recoverable				2.1	1	JE	µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				1.1E-01	1	UI	pCi/L	GP	0
		Lead, total recoverable				4.9	1	JE	µg/L	GE	0
		Lithium, total recoverable				<25	1		µg/L	GE	0
		Mercury, total recoverable				<0.20	1		µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				8.3E-01	1	UI	pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				0.0E+00	1	UI	pCi/L	GP	0
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				3.1E-01	1	UI	pCi/L	GP	0
		Sulfate				<720	1	V	µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				3.0	1	JE	µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				51,000	1		µg/L	GE	0
		Total organic carbon				490	1	JE	µg/L	GE	0
		Total organic halogens				6.5	1	JE	µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				1.9	1		µg/L	GE	0
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
		Tritium				1.8E+01	1		pCi/mL	GP	1
		Zinc, total recoverable				8.6	1	J	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 46C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75022.2 E54433.9	33.280515 °N 81.669194 °W	188.0-178.0 ft msl	265.1 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE

11/04/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				216.8	ft msl
pH				5.6	pH
Sp. conductance				54	µS/cm
Water temperature				18.0	°C
Alkalinity as CaCO ₃				7	mg/L
Turbidity				13	NTU
Volume purged				0.039	well volume
Sampling code				X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				14,000	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				6.1	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoforn				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				-3.3E+00	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				0.92	1	JE	µg/L	GE	0
		Chloromethane (Methyl chloride)				0.52	1	JE	µg/L	GE	0
		Chromium, total recoverable				<5.0	1		µg/L	GE	0
		Copper, total recoverable				<5.0	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				1.0	1	JE	µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				5.0E-01	1	UI	pCi/L	GP	0
		Lead, total recoverable				2.4	1	JE	µg/L	GE	0
		Lithium, total recoverable				<25	1		µg/L	GE	0
		Mercury, total recoverable				<0.20	1		µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				1.9E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				4.0E-01	1	UI	pCi/L	GP	0
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				1.2E-01	1	UJI	pCi/L	GP	0
		Sulfate				1,400	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				27,000	1		µg/L	GE	0
		Total organic carbon				510	1	JE	µg/L	GE	0
		Total organic halogens				19	1		µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				35	1		µg/L	GE	2
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
		Tritium				1.3E+03	1		pCi/mL	GP	2
		Zinc, total recoverable				21	1	V	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 46D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75033.8 E54420.0	33.280518 °N 81.669253 °W	212.1-202.1 ft msl	265.1 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 10/29/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				222.5	ft msl
pH				3.8	pH
Sp. conductance				46	µS/cm
Water temperature				19.0	°C
Alkalinity as CaCO ₃				0	mg/L
Turbidity				1	NTU
Volume purged				6.2	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				5,600	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				4.9	1	JE	µg/L	GE	0
		Benzene				0.88	1	JE	µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				2.8E+01	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
■		Chloroethene (Vinyl chloride)				5.3	1		µg/L	GE	2
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				2.7	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				<5.0	1		µg/L	GE	0
		Copper, total recoverable				<5.0	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				61	1		µg/L	GE	2
		1,2-Dichloroethane				0.84	1	JE	µg/L	GE	0
		1,1-Dichloroethylene				1.2	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				6.1E+00	1		pCi/L	GP	0
		Lead, total recoverable				1.0	1	JE	µg/L	GE	0
		Lithium, total recoverable				<25	1		µg/L	GE	0
		Mercury, total recoverable				<0.20	1		µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				2.8E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				1.3E+00	1		pCi/L	GP	0
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
●		Strontium-90				4.4E-01	1	UI	pCi/L	GP	0
		Sulfate				1,100	1	J1	µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
■		Tetrachloroethylene				8.8	1		µg/L	GE	2
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				42,000	1		µg/L	GE	0
		Total organic carbon				<230	1	V	µg/L	GE	0
●		Total organic halogens				140	1	J1	µg/L	GE	2
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
■		Trichloroethylene				28	1		µg/L	GE	2
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
■		Tritium				3.9E+04	1		pCi/mL	GP	2
		Zinc, total recoverable				2.6	1	JE	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 47A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74728.8 E54914.0	33.280650 °N 81.667360 °W	96.8-86.8 ft msl	266.9 ft msl	4" PVC	S	U. Congaree (IIA)

SAMPLE DATE

10/29/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				161.6	ft msl
pH				8.0	pH
Sp. conductance				160	µS/cm
Water temperature				21.0	°C
Alkalinity as CaCO ₃				78	mg/L
Turbidity				1	NTU
Volume purged				2.8	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				86,000	1		µg/L	GE	
		Antimony, total recoverable				<1.0	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				74	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				7.3E-01	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				1.4	1	JE	µg/L	GE	0
		Copper, total recoverable				<5.0	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				1.3E+00	1		pCi/L	GP	0
		Lead, total recoverable				<1.1	1	V	µg/L	GE	0
		Lithium, total recoverable				20	1	JE	µg/L	GE	0
		Mercury, total recoverable				<0.14	1	V	µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				1.6E+00	1	UI	pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				9.0E-01	1		pCi/L	GP	0
		Selenium, total recoverable				<4.0	1	V	µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				5.7E-03	1	UJI	pCi/L	GP	0
●		Sulfate				6,700	1	J1	µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				130,000	1		µg/L	GE	0
		Total organic carbon				<470	1	V	µg/L	GE	0
●		Total organic halogens				<10	1	J1	µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				<1.0	1		µg/L	GE	0
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
		Tritium				4.7E+00	1		pCi/mL	GP	0
		Zinc, total recoverable				<5.0	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 47C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74752.0 E54933.4	33.280733 °N 81.667354 °W	188.6-178.6 ft msl	267.6 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE
10/29/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				220.7	ft msl
pH				6.4	pH
Sp. conductance				32	µS/cm
Water temperature				20.0	°C
Alkalinity as CaCO ₃				26	mg/L
Turbidity				2	NTU
Volume purged				3.1	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				6,900	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				12	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				1.7E-01	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				1.3	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				0.88	1	JE	µg/L	GE	0
		Chromium, total recoverable				0.89	1	JE	µg/L	GE	0
		Copper, total recoverable				<5.0	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				1.7E+00	1		pCi/L	GP	0
		Lead, total recoverable				<4.6	1	V	µg/L	GE	0
		Lithium, total recoverable				<25	1		µg/L	GE	0
		Mercury, total recoverable				<0.12	1	V	µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				1.5E+00	1	UI	pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				7.0E-01	1		pCi/L	GP	0
		Selenium, total recoverable				<2.0	1	V	µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				9.0E-02	1	UJI	pCi/L	GP	0
●		Sulfate				250	1	J1	µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				43,000	1		µg/L	GE	0
		Total organic carbon				<510	1	V	µg/L	GE	0
●		Total organic halogens				<10	1	J1	µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				3.6	1		µg/L	GE	1
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
■		Tritium				3.7E+02	1		pCi/mL	GP	2
		Zinc, total recoverable				7.3	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 47D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74739.7 E54922.9	33.280689 °N 81.667357 °W	213.4-203.4 ft msl	267.4 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 11/03/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				227.5	ft msl
pH				5.2	pH
Sp. conductance				50	µS/cm
Water temperature				21.0	°C
Alkalinity as CaCO ₃				8	mg/L
Turbidity				1	NTU
Volume purged				3.4	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
●		Alkalinity (as CaCO ₃)				14,000	1	J1	µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				24	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromofom				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				8.7E+00	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				1.8	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				0.78	1	JE	µg/L	GE	0
		Copper, total recoverable				<5.0	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				5.4E+00	1		pCi/L	GP	0
		Lead, total recoverable				11	1		µg/L	GE	0
		Lithium, total recoverable				<25	1		µg/L	GE	0
		Mercury, total recoverable				<0.20	1		µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				4.2E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				1.5E+00	1		pCi/L	GP	0
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				-3.3E-01	1	UI	pCi/L	GP	0
		Sulfate				<210	1	V	µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				150	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				47,000	1		µg/L	GE	0
		Total organic carbon				<5,000	1		µg/L	GE	0
		Total organic halogens				33	1		µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
	■	Trichloroethylene				6.5	1		µg/L	GE	2
	■	Trichlorofluoromethane				<1.0	1		µg/L	GE	0
		Tritium				5.2E+02	1		pCi/mL	GP	2
		Zinc, total recoverable				7.9	1	J	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 48C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74599.6 E55124.4	33.280708 °N 81.666555 °W	186.7-176.7 ft msl	276.6 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE 11/05/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				220.7	ft msl
pH				5.6	pH
Sp. conductance				50	µS/cm
Water temperature				20.0	°C
Alkalinity as CaCO ₃				12	mg/L
Turbidity				1	NTU
Volume purged				4.2	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				480,000	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				71	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				1.0E+02	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				13	1		µg/L	GE	0
		Copper, total recoverable				8.8	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				2.8E+00	1		pCi/L	GP	0
		Lead, total recoverable				35	1		µg/L	GE	1
		Lithium, total recoverable				<25	1		µg/L	GE	0
		Mercury, total recoverable				<0.20	1		µg/L	GE	0
		Nickel, total recoverable				9.5	1		µg/L	GE	0
		Nonvolatile beta				1.5E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				8.0E-01	1		pCi/L	GP	0
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				1.1	1	JE	µg/L	GE	0
		Strontium-90				1.5E+00	1	UJI	pCi/L	GP	0
		Sulfate				180	1	JE	µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				2.8	1		µg/L	GE	1
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				49,000	1	V	µg/L	GE	0
		Total organic carbon				<480	1	V	µg/L	GE	0
		Total organic halogens				44	1		µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
■		Trichloroethylene				6.2	1		µg/L	GE	2
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
■		Tritium				2.8E+03	1		pCi/mL	GP	2
		Zinc, total recoverable				40	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 48D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74586.4 E55121.0	33.280673 °N 81.666538 °W	212.0-202.0 ft msl	276.9 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 10/28/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				223.6	ft msl
pH				3.8	pH
Sp. conductance				90	µS/cm
Water temperature				19.0	°C
Alkalinity as CaCO ₃				0	mg/L
Turbidity				2	NTU
Volume purged				5.7	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				1,600	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				110	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				2.6E+02	1		pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				2.9	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				0.76	1	JE	µg/L	GE	0
		Chromium, total recoverable				<5.0	1		µg/L	GE	0
		Copper, total recoverable				1.4	1	JE	µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				4.2	1		µg/L	GE	0
		1,2-Dichloroethane				1.1	1		µg/L	GE	0
		1,1-Dichloroethylene				1.2	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				3.2	1		µg/L	GE	0
		Dichloromethane				<0.80	1	JEV	µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				3.8E+01	1		pCi/L	GP	2
		Lead, total recoverable				3.0	1	JE	µg/L	GE	0
		Lithium, total recoverable				<25	1		µg/L	GE	0
		Mercury, total recoverable				0.63	1		µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				1.4E+01	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				1.1E+01	1		pCi/L	GP	2
		Selenium, total recoverable				3.1	1	JE	µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				4.2E-01	1	UI	pCi/L	GP	0
		Sulfate				190	1	JE	µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				14	1		µg/L	GE	2
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				55,000	1		µg/L	GE	0
		Total organic carbon				<410	1	V	µg/L	GE	0
		Total organic halogens				180	1	J1	µg/L	GE	2
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				190	10		µg/L	GE	2
		Trichlorofluoromethane				2.4	1		µg/L	GE	0
		Tritium				3.8E+04	1		pCi/mL	GP	2
		Zinc, total recoverable				7.1	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 49C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N73917.2 E56202.2	33.280957 °N 81.662391 °W	176.0-166.0 ft msl	271.1 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE

10/29/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				225.1	ft msl
pH				6.8	pH
Sp. conductance				80	µS/cm
Water temperature				18.0	°C
Alkalinity as CaCO ₃				62	mg/L
Turbidity				3	NTU
Volume purged				2.4	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				25,000	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				32	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				-1.4E+00	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				2.8	1	JE	µg/L	GE	0
		Copper, total recoverable				<5.0	1	J	µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				1.1E+00	1		pCi/L	GP	0
		Lead, total recoverable				<1.1	1	JEV	µg/L	GE	0
		Lithium, total recoverable				16	1	JE	µg/L	GE	0
		Mercury, total recoverable				<0.16	1	JEV	µg/L	GE	0
		Nickel, total recoverable				<5.0	1	J	µg/L	GE	0
		Nonvolatile beta				8.3E-01	1	UI	pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				4.0E-01	1	UI	pCi/L	GP	0
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				0.68	1	JE	µg/L	GE	0
		Strontium-90				-1.1E-01	1	UJI	pCi/L	GP	0
		Sulfate				1,100	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				0.66	1	JE	µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				54,000	1		µg/L	GE	0
		Total organic carbon				<240	1	V	µg/L	GE	0
●		Total organic halogens				12	1	J1	µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				1.1	1		µg/L	GE	0
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
■		Tritium				1.2E+02	1		pCi/mL	GP	2
		Zinc, total recoverable				<5.0	1	J	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 50A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75201.2 E54179.8	33.280497 °N 81.670210 °W	100.5-90.5 ft msl	255.4 ft msl	4" PVC	S	U. Congaree (IIA)

SAMPLE DATE

11/20/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				159.8	ft msl
pH				12.0	pH
Sp. conductance				4200	µS/cm
Water temperature				20.0	°C
Alkalinity as CaCO ₃				800	mg/L
Turbidity				3	NTU
Volume purged				0.022	well volume
Sampling code				X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				700,000	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				1,000	1		µg/L	GE	1
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				2.5E+00	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				2.3	1	JE	µg/L	GE	0
		Copper, total recoverable				<4.7	1	JEV	µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
■		Gross alpha				2.5E+01	1	V	pCi/L	GP	2
		Lead, total recoverable				12	1		µg/L	GE	0
		Lithium, total recoverable				670	1		µg/L	GE	2
		Mercury, total recoverable				<0.20	1		µg/L	GE	0
		Nickel, total recoverable				3.6	1	JE	µg/L	GE	0
		Nonvolatile beta				3.2E+01	1	JV	pCi/L	GP	1
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				5.6E+00	1	J	pCi/L	GP	2
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				8.8E-02	1	UI	pCi/L	GP	0
		Sulfate				4,500	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				760,000	1	V	µg/L	GE	0
		Total organic carbon				2,700	1	JE	µg/L	GE	0
		Total organic halogens				3.8	1	JE	µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				<1.0	1		µg/L	GE	0
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
		Tritium				1.2E+00	1		pCi/mL	GP	0
		Zinc, total recoverable				<8.8	1	V	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 50C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75190.4	*N	172.5-162.5 ft msl	255.5 ft msl	4" PVC	S	Bamwell (IIB1)
E54197.0	*W					

FIELD DATA

11/03/97

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				213.35	ft msl
pH				5.0	pH
Sp. conductance				22.0	µS/cm
Water temperature				21.0	°C
Alkalinity as CaCO ₃				4.0	mg/L
Turbidity				22.1	NTU
Volume purged					well volume
Sampling code				L	

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				4,800	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				9.4	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				-5.9E+00	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				6.3	1		µg/L	GE	0
		Copper, total recoverable				11	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				2.0E+00	1		pCi/L	GP	0
		Lead, total recoverable				9.0	1		µg/L	GE	0
		Lithium, total recoverable				<25	1		µg/L	GE	0
		Mercury, total recoverable				<0.20	1		µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				2.3E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				2.0E-01	1	UI	pCi/L	GP	0
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				2.5E-01	1	UI	pCi/L	GP	0
		Sulfate				<1,100	1	V	µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				29,000	1		µg/L	GE	0
		Total organic carbon				4,500	1	JE	µg/L	GE	0
		Total organic halogens				5.0	1	JE	µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				1.4	1		µg/L	GE	0
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
		Tritium				1.8E+02	1		pCi/mL	GP	2
		Zinc, total recoverable				25	1	J	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 50D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75181.3 E54209.1	33.280501 °N 81.670095 °W	228.0-208.0 ft msl	256 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE

11/03/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				222.3	ft msl
pH				5.6	pH
Sp. conductance				68	µS/cm
Water temperature				22.0	°C
Alkalinity as CaCO ₃				19	mg/L
Turbidity				3	NTU
Volume purged				6.4	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				20,000	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				16	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				24	1	JE	µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				2.3E+01	1		pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				0.83	1	JE	µg/L	GE	0
		Copper, total recoverable				2.3	1	JE	µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				0.49	1	JE	µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				6.5E+00	1		pCi/L	GP	0
		Lead, total recoverable				7.3	1		µg/L	GE	0
		Lithium, total recoverable				<25	1		µg/L	GE	0
		Mercury, total recoverable				<0.20	1		µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				4.3E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				2.3E+00	1		pCi/L	GP	0
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				3.0E-01	1	UI	pCi/L	GP	0
		Sulfate				<350	1	V	µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				0.31	1	JE	µg/L	GE	0
		Tin, total recoverable				5.4	1	JE	µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				50,000	1		µg/L	GE	0
		Total organic carbon				780	1	JE	µg/L	GE	0
		Total organic halogens				56	1		µg/L	GE	1
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				7.4	1		µg/L	GE	2
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
		Tritium				6.9E+02	1		pCi/mL	GP	2
		Zinc, total recoverable				16	1	J	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 51A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74133.0 E57841.8	33.284109 °N 81.658493 °W	85.1-75.1 ft msl	289.3 ft msl	2" PVC	V	U. Congaree (IIA)

SAMPLE DATE

11/10/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				164.9	ft msl
pH				6.5	pH
Sp. conductance				200	µS/cm
Water temperature				19.0	°C
Alkalinity as CaCO ₃				94	mg/L
Turbidity				0	NTU
Volume purged				3.7	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				93,000	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				45	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				9.5E+00	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				0.79	1	JE	µg/L	GE	0
		Copper, total recoverable				<5.0	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				1.3E+00	1		pCi/L	GP	0
		Lead, total recoverable				<5.0	1		µg/L	GE	0
		Lithium, total recoverable				<25	1		µg/L	GE	0
		Mercury, total recoverable				<0.20	1		µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				5.5E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				-1.0E-01	1	UI	pCi/L	GP	0
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				2.8E-02	1	UJI	pCi/L	GP	0
		Sulfate				5,400	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				150,000	1	V	µg/L	GE	0
		Total organic carbon				<5,000	1		µg/L	GE	0
		Total organic halogens				<10	1		µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				<1.0	1		µg/L	GE	0
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
		Tritium				4.8E-01	1	UI	pCi/mL	GP	0
		Zinc, total recoverable				<1.9	1	V	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 51AA

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74113.1 E57867.0	33.284106 °N 81.658388 °W	39.2-29.2 ft msl	289.2 ft msl	2" PVC	V	L. Congaree (IIA)

SAMPLE DATE

11/06/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				167.6	ft msl
pH				7.4	pH
Sp. conductance				120	µS/cm
Water temperature				21.0	°C
Alkalinity as CaCO ₃				46	mg/L
Turbidity				3	NTU
Volume purged				3.0	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				63,000	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				84	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				3.0E+00	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				<5.0	1		µg/L	GE	0
		Copper, total recoverable				<5.0	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				2.7E+00	1		pCi/L	GP	0
		Lead, total recoverable				<5.0	1		µg/L	GE	0
●		Lithium, total recoverable				33	1		µg/L	GE	0
		Mercury, total recoverable				<0.11	1	JV1	µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				1.9E+01	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				6.0E-01	1	UI	pCi/L	GP	0
		Selenium, total recoverable				<1.6	1	V	µg/L	GE	0
		Silver, total recoverable				1.0	1	JE	µg/L	GE	0
		Strontium-90				1.9E-01	1	UJI	pCi/L	GP	0
		Sulfate				9,500	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				130,000	1		µg/L	GE	0
		Total organic carbon				<5,000	1		µg/L	GE	0
		Total organic halogens				<10	1		µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				<1.0	1		µg/L	GE	0
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
		Tritium				-6.8E-02	1	UI	pCi/mL	GP	0
		Zinc, total recoverable				1.2	1	JE	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 51B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74127.7 E57848.3	33.284108 °N 81.658466 °W	126.9-116.9 ft msl	289.1 ft msl	2" PVC	V	McBean (IIB1)

SAMPLE DATE

11/06/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				226.8	ft msl
pH				7.8	pH
Sp. conductance				140	µS/cm
Water temperature				21.0	°C
Alkalinity as CaCO ₃				47	mg/L
Turbidity				1	NTU
Volume purged				2.6	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				68,000	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				150	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				6.7E+00	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				2.6	1	JE	µg/L	GE	0
		Copper, total recoverable				<5.0	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				4.2E+00	1		pCi/L	GP	0
		Lead, total recoverable				<5.0	1		µg/L	GE	0
		Lithium, total recoverable				17	1	JE	µg/L	GE	0
		Mercury, total recoverable				<0.12	1	JV1	µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				4.9E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				5.0E-01	1	UI	pCi/L	GP	0
		Selenium, total recoverable				<2.2	1	V	µg/L	GE	0
		Silver, total recoverable				1.1	1	JE	µg/L	GE	0
		Strontium-90				-5.6E-01	1	UJI	pCi/L	GP	0
		Sulfate				5,000	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				120,000	1		µg/L	GE	0
		Total organic carbon				<210	1	V	µg/L	GE	0
		Total organic halogens				<10	1		µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				<1.0	1		µg/L	GE	0
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
		Tritium				9.1E-01	1		pCi/mL	GP	0
		Zinc, total recoverable				<5.0	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 51C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74123.1	33.284108 N	185.1-175.1 ft msl	289.1 ft msl	2" PVC	V	Barnwell (11B1)
E57854.4	81.658441 W					

SAMPLE DATE

11/06/97

FIELD DATA

Parameter	10	20	30	40	Unit
Water elevation				228.6	ft msl
pH				4.8	pH
Sp. conductance				20	µS/cm
Water temperature				20.0	°C
Alkalinity as CaCO ₃				2	mg/L
Turbidity				1	NTU
Volume purged				7.5	well volume
Sampling code					

ANALYTICAL DATA

H	SI	Parameter	10	20	30	40	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				2,300	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	
		Arsenic, total recoverable				<5.0	1		µg/L	GE	
		Barium, total recoverable				3.9	1		µg/L	GE	
		Benzene				<1.0	1		µg/L	GE	
		Boron, total recoverable				<50	1		µg/L	GE	
		Bromodichloromethane				<1.0	1		µg/L	GE	
		Bromoform				<1.0	1		µg/L	GE	
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	
		Cadmium, total recoverable				<5.0	1		µg/L	GE	
		Carbon tetrachloride				<1.0	1		µg/L	GE	
		Carbon-14				2.8E+00	1		µg/L	GP	
		Chlorobenzene				<1.0	1		µg/L	GE	
		Chloroethane				<1.0	1		µg/L	GE	
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	
		Chloroform				<5.0	1		µg/L	GE	
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	
		Chromium, total recoverable				1.2	1		µg/L	GE	
		Copper, total recoverable				<5.0	1		µg/L	GE	
		Dibromochloromethane				<1.0	1		µg/L	GE	
		1,1-Dichloroethane				<1.0	1		µg/L	GE	
		1,2-Dichloroethane				<1.0	1		µg/L	GE	
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	
		Dichloromethane				<1.0	1		µg/L	GE	
		1,2-Dichloropropane				<1.0	1		µg/L	GE	
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	
		Ethylbenzene				<1.0	1		µg/L	GE	
		Gross alpha				4.8E-01	1		µg/L	GP	
		Lead, total recoverable				<0.79	1		µg/L	GE	
		Lithium, total recoverable				<25	1		µg/L	GE	
		Mercury, total recoverable				<0.12	1		µg/L	GE	
		Nickel, total recoverable				<5.0	1		µg/L	GE	
		Nonvolatile beta				1.9E+00	1		µg/L	GP	
		Phenols				<5.0	1		µg/L	GE	
		Radium, total alpha-emitting				3.0E-01	1		µg/L	GP	
		Selenium, total recoverable				<1.5	1		µg/L	GE	
		Silver, total recoverable				0.87	1		µg/L	GE	
		Strontium-90				-1.9E-01	1		µg/L	GP	
		Sulfate				390	1		µg/L	GE	
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	
		Tetrachloroethylene				<1.0	1		µg/L	GE	
		Tin, total recoverable				<10	1		µg/L	GE	
		Toluene				<1.0	1		µg/L	GE	
		Total dissolved solids				25,000	1		µg/L	GE	
		Total organic carbon				<5,000	1		µg/L	GE	
		Total organic halogens				<10	1		µg/L	GE	
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	
		Trichloroethylene				<1.0	1		µg/L	GE	
		Trichlorofluoromethane				<1.0	1		µg/L	GE	
		Tritium				3.7E+00	1		µg/L	GP	
		Zinc, total recoverable				3.0	1		µg/L	GE	

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

Mixed Waste Management Facility

D-149

Fourth Quarter 1997 and 1997 Summary

WELL BGO 51D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74118.0 E57860.6	33.284107 °N 81.658414 °W	240.1-220.1 ft msl	289.3 ft msl	2" PVC	V	Water Table (IIB2)

SAMPLE DATE

11/06/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				233.3	ft msl
pH				5.0	pH
Sp. conductance				34	µS/cm
Water temperature				21.0	°C
Alkalinity as CaCO ₃				3	mg/L
Turbidity				13	NTU
Volume purged				0.46	well volume
Sampling code				X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				2,100	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				5.5	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				5.6E+00	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				11	1		µg/L	GE	0
		Copper, total recoverable				2.6	1	JE	µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				4.9E-01	1	UI	pCi/L	GP	0
		Lead, total recoverable				<1.7	1	V	µg/L	GE	0
		Lithium, total recoverable				<25	1		µg/L	GE	0
●		Mercury, total recoverable				<0.10	1	JV1	µg/L	GE	0
		Nickel, total recoverable				8.6	1		µg/L	GE	0
		Nonvolatile beta				4.2E-01	1	UI	pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				1.0E-01	1	UI	pCi/L	GP	0
		Selenium, total recoverable				<2.4	1	V	µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				-3.9E-01	1	UJI	pCi/L	GP	0
		Sulfate				140	1	JE	µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				36,000	1		µg/L	GE	0
		Total organic carbon				<5,000	1		µg/L	GE	0
		Total organic halogens				9.0	1	JE	µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				<1.0	1		µg/L	GE	0
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
■		Tritium				2.4E+01	1		pCi/mL	GP	2
		Zinc, total recoverable				4.8	1	JE	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 52A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74632.6 E57184.0	33.284141 °N 81.661196 °W	91.7-81.7 ft msl	284.4 ft msl	2" PVC	V	U. Congaree (IIA)

SAMPLE DATE 11/05/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				163.4	ft msl
pH				7.2	pH
Sp. conductance				200	µS/cm
Water temperature				19.0	°C
Alkalinity as CaCO ₃				67	mg/L
Turbidity				1	NTU
Volume purged					well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				85,000	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				72	1		µg/L	GE	0
		Benzene				<1.0	1	J	µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1	J	µg/L	GE	0
		Bromofom				<1.0	1	J	µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1	J	µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1	J	µg/L	GE	0
		Carbon-14				-2.6E+00	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1	J	µg/L	GE	0
		Chloroethane				<1.0	1	J	µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1	J	µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1	J	µg/L	GE	0
		Chloroform				<1.0	1	J	µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1	J	µg/L	GE	0
		Chromium, total recoverable				<5.0	1		µg/L	GE	0
		Copper, total recoverable				<5.0	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1	J	µg/L	GE	0
		1,1-Dichloroethane				<1.0	1	J	µg/L	GE	0
		1,2-Dichloroethane				<1.0	1	J	µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1	J	µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1	J	µg/L	GE	0
		Dichloromethane				<1.0	1	J	µg/L	GE	0
		1,2-Dichloropropane				<1.0	1	J	µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1	J	µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1	J	µg/L	GE	0
		Ethylbenzene				<1.0	1	J	µg/L	GE	0
		Gross alpha				3.2E+00	1		pCi/L	GP	0
		Lead, total recoverable				<5.0	1		µg/L	GE	0
		Lithium, total recoverable				37	1		µg/L	GE	0
		Mercury, total recoverable				<0.13	1	JV1	µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				4.0E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				7.0E-01	1	UI	pCi/L	GP	0
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				1.0	1	JE	µg/L	GE	0
		Strontium-90				3.2E-01	1	UJI	pCi/L	GP	0
		Sulfate				6,800	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1	J	µg/L	GE	0
		Tetrachloroethylene				<1.0	1	J	µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1	J	µg/L	GE	0
		Total dissolved solids				140,000	1		µg/L	GE	0
		Total organic carbon				<190	1	V	µg/L	GE	0
		Total organic halogens				<10	1		µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1	J	µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1	J	µg/L	GE	0
		Trichloroethylene				<1.0	1	J	µg/L	GE	0
		Trichlorofluoromethane				<1.0	1	J	µg/L	GE	0
		Tritium				-4.6E-01	1	UI	pCi/mL	GP	0
		Zinc, total recoverable				<5.0	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 52AA

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74638.0	33.284143 °N	46.6-36.6 ft msl	284.5 ft msl	2" PVC	V	L. Congaree (IIA)
E57178.1	81.661222 °W					

SAMPLE DATE

11/05/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				162.5	ft msl
pH				6.8	pH
Sp. conductance				160	µS/cm
Water temperature				18.0	°C
Alkalinity as CaCO ₃				40	mg/L
Turbidity				1	NTU
Volume purged					well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				57,000	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				31	1		µg/L	GE	0
		Benzene				<1.0	1	J	µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1	J	µg/L	GE	0
		Bromoform				<1.0	1	J	µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1	J	µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1	J	µg/L	GE	0
		Carbon-14				1.6E+00	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1	J	µg/L	GE	0
		Chloroethane				<1.0	1	J	µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1	J	µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1	J	µg/L	GE	0
		Chloroform				<1.0	1	J	µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1	J	µg/L	GE	0
		Chromium, total recoverable				<5.0	1		µg/L	GE	0
		Copper, total recoverable				<5.0	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1	J	µg/L	GE	0
		1,1-Dichloroethane				<1.0	1	J	µg/L	GE	0
		1,2-Dichloroethane				<1.0	1	J	µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1	J	µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1	J	µg/L	GE	0
		Dichloromethane				<1.0	1	J	µg/L	GE	0
		1,2-Dichloropropane				<1.0	1	J	µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1	J	µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1	J	µg/L	GE	0
		Ethylbenzene				<1.0	1	J	µg/L	GE	0
		Gross alpha				2.8E+00	1		pCi/L	GP	0
		Lead, total recoverable				<5.0	1		µg/L	GE	0
		Lithium, total recoverable				21	1	JE	µg/L	GE	0
●		Mercury, total recoverable				<0.16	1	JV1	µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				2.8E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				3.0E-01	1	UI	pCi/L	GP	0
		Selenium, total recoverable				<1.5	1	V	µg/L	GE	0
		Silver, total recoverable				0.91	1	JE	µg/L	GE	0
		Strontium-90				3.9E-02	1	UJI	pCi/L	GP	0
		Sulfate				10,000	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1	J	µg/L	GE	0
		Tetrachloroethylene				<1.0	1	J	µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1	J	µg/L	GE	0
		Total dissolved solids				120,000	1		µg/L	GE	0
		Total organic carbon				<190	1	V	µg/L	GE	0
		Total organic halogens				<10	1		µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1	J	µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1	J	µg/L	GE	0
		Trichloroethylene				<1.0	1	J	µg/L	GE	0
		Trichlorofluoromethane				<1.0	1	J	µg/L	GE	0
		Tritium				9.7E-02	1	UI	pCi/mL	GP	0
		Zinc, total recoverable				<5.0	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 52B

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N74627.3 E57189.8	33.284139 °N 81.661170 °W	136.7-126.7 ft msl	284.4 ft msl	2"PVC	V	Barnwell (IIB1)

FIELD DATA

<u>Parameter</u>	<u>1Q</u>	<u>2Q</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation				225.9	ft msl
pH					pH
Sp. conductance					µS/cm
Water temperature					°C
Alkalinity as CaCO ₃					mg/L
Turbidity					NTU
Volume purged				P	well volume
Sampling code					

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 52C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74622.0 E57195.5	33.284136 °N 81.661145 °W	188.7-178.7 ft msl	284.5 ft msl	2" PVC	V	Barnwell (IIB1)

SAMPLE DATE

11/05/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				227.1	ft msl
pH				5.2	pH
Sp. conductance				24	µS/cm
Water temperature				17.0	°C
Alkalinity as CaCO ₃				1	mg/L
Turbidity				2	NTU
Volume purged				3.3	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				3,900	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				4.7	1	JE	µg/L	GE	0
		Benzene				<1.0	1	J	µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1	J	µg/L	GE	0
		Bromoform				<1.0	1	J	µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1	J	µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1	J	µg/L	GE	0
		Carbon-14				5.6E+00	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1	J	µg/L	GE	0
		Chloroethane				<1.0	1	J	µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1	J	µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1	J	µg/L	GE	0
		Chloroform				<1.0	1	J	µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1	J	µg/L	GE	0
		Chromium, total recoverable				2.0	1	JE	µg/L	GE	0
		Copper, total recoverable				<5.0	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1	J	µg/L	GE	0
		1,1-Dichloroethane				<1.0	1	J	µg/L	GE	0
		1,2-Dichloroethane				<1.0	1	J	µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1	J	µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1	J	µg/L	GE	0
		Dichloromethane				<1.0	1	J	µg/L	GE	0
		1,2-Dichloropropane				<1.0	1	J	µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1	J	µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1	J	µg/L	GE	0
		Ethylbenzene				<1.0	1	J	µg/L	GE	0
		Gross alpha				3.8E-01	1	UI	pCi/L	GP	0
		Lead, total recoverable				<1.2	1	V	µg/L	GE	0
		Lithium, total recoverable				<25	1		µg/L	GE	0
		Mercury, total recoverable				<0.14	1	JV1	µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				7.5E-01	1	UI	pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				-1.0E-01	1	UI	pCi/L	GP	0
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				0.69	1	JE	µg/L	GE	0
		Strontium-90				1.3E-01	1	UJI	pCi/L	GP	0
		Sulfate				450	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1	J	µg/L	GE	0
		Tetrachloroethylene				<1.0	1	J	µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1	J	µg/L	GE	0
		Total dissolved solids				27,000	1		µg/L	GE	0
		Total organic carbon				<340	1	V	µg/L	GE	0
		Total organic halogens				4.1	1	JE	µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1	J	µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1	J	µg/L	GE	0
		Trichloroethylene				<1.0	1	J	µg/L	GE	0
		Trichlorofluoromethane				<1.0	1	J	µg/L	GE	0
		Tritium				6.5E-01	1		pCi/mL	GP	0
		Zinc, total recoverable				5.6	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 52D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74617.3 E57201.4	33.284136 °N 81.661120 °W	239.4-219.4 ft msl	284.8 ft msl	2" PVC	V	Water Table (IIB2)

SAMPLE DATE

11/05/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				231.8	ft msl
pH				4.6	pH
Sp. conductance				44	µS/cm
Water temperature				17.0	°C
Alkalinity as CaCO ₃				0	mg/L
Turbidity				2	NTU
Volume purged				9.8	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				5,200	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				8.7	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				5.1E+00	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				1.8	1	JE	µg/L	GE	0
		Copper, total recoverable				<5.0	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				3.9E+00	1		pCi/L	GP	0
		Lead, total recoverable				<1.2	1	V	µg/L	GE	0
●		Lithium, total recoverable				<25	1		µg/L	GE	0
		Mercury, total recoverable				<0.21	1	JV1	µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				2.7E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				6.0E-01	1		pCi/L	GP	0
		Selenium, total recoverable				<1.9	1	V	µg/L	GE	0
		Silver, total recoverable				0.92	1	JE	µg/L	GE	0
		Strontium-90				-1.9E-01	1	UJI	pCi/L	GP	0
		Sulfate				190	1	JE	µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				37,000	1		µg/L	GE	0
		Total organic carbon				<460	1	V	µg/L	GE	0
		Total organic halogens				2.6	1	JE	µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				<1.0	1		µg/L	GE	0
■		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
		Tritium				2.1E+01	1		pCi/mL	GP	2
		Zinc, total recoverable				2.7	1	JE	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 53A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76070.8 E55423.9	33.284450 °N 81.668624 °W	88.7-78.7 ft msl		2" PVC	V	U. Congaree (IIA)

SAMPLE DATE 11/10/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation					ft msl
pH				6.4	pH
Sp. conductance				140	µS/cm
Water temperature				19.0	°C
Alkalinity as CaCO ₃				39	mg/L
Turbidity				1	NTU
Volume purged					well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				49,000	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				37	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoforn				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				1.6E+01	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				0.79	1	JE	µg/L	GE	0
		Copper, total recoverable				6.6	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				1.3E+00	1		pCi/L	GP	0
		Lead, total recoverable				20	1		µg/L	GE	0
		Lithium, total recoverable				<25	1		µg/L	GE	0
		Mercury, total recoverable				<0.20	1		µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				4.1E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				5.0E-01	1	UI	pCi/L	GP	0
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				-5.2E-01	1	UJI	pCi/L	GP	0
		Sulfate				9,900	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				110,000	1	V	µg/L	GE	0
		Total organic carbon				280	1	JE	µg/L	GE	0
		Total organic halogens				<10	1		µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				<1.0	1		µg/L	GE	0
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
		Tritium				1.7E-01	1	UI	pCi/mL	GP	0
		Zinc, total recoverable				<4.6	1	V	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 53AA

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76065.0 E55431.5	33.284450 °N 81.668593 °W	48.9-38.9 ft msl		2" PVC	V	L. Congaree (IIA)

SAMPLE DATE 11/10/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation					ft msl
pH				6.2	pH
Sp. conductance				140	µS/cm
Water temperature				19.0	°C
Alkalinity as CaCO ₃				47	mg/L
Turbidity				1	NTU
Volume purged					well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				53,000	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				28	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				1.1E+01	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				<5.0	1		µg/L	GE	0
		Copper, total recoverable				<5.0	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				4.0E-01	1	UI	pCi/L	GP	0
		Lead, total recoverable				<5.0	1		µg/L	GE	0
		Lithium, total recoverable				<25	1		µg/L	GE	0
		Mercury, total recoverable				<0.20	1		µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				2.6E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				3.0E-01	1	UI	pCi/L	GP	0
		Selenium, total recoverable				1.6	1	JE	µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				1.4E-01	1	UJI	pCi/L	GP	0
		Sulfate				10,000	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				110,000	1	V	µg/L	GE	0
		Total organic carbon				<5,000	1		µg/L	GE	0
		Total organic halogens				20	1		µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				<1.0	1		µg/L	GE	0
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
		Tritium				2.3E-02	1	UI	pCi/mL	GP	0
		Zinc, total recoverable				<7.6	1	V	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 53B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76076.6 E55416.2	33.284450 °N 81.668656 °W	153.5-143.5 ft msl	291.1 ft msl	2" PVC	V	McBean (IIB1)

SAMPLE DATE 11/10/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				218.9	ft msl
pH				7.2	pH
Sp. conductance				240	µS/cm
Water temperature				19.0	°C
Alkalinity as CaCO ₃				67	mg/L
Turbidity				2	NTU
Volume purged				2.5	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				98,000	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				30	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				-8.7E-01	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				2.3	1	JE	µg/L	GE	0
		Copper, total recoverable				3.3	1	JE	µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				9.8E-01	1		pCi/L	GP	0
		Lead, total recoverable				<5.0	1		µg/L	GE	0
		Lithium, total recoverable				<25	1		µg/L	GE	0
		Mercury, total recoverable				<0.20	1		µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				2.6E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				-1.0E-01	1	UI	pCi/L	GP	0
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				-1.5E-01	1	UJI	pCi/L	GP	0
		Sulfate				7,500	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				160,000	1	V	µg/L	GE	0
		Total organic carbon				360	1	JE	µg/L	GE	0
		Total organic halogens				<10	1		µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				<1.0	1		µg/L	GE	0
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
		Tritium				1.9E-01	1	UI	pCi/mL	GP	0
		Zinc, total recoverable				<5.0	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 53C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76082.5 E55408.3	33.284450 °N 81.668688 °W	193.2-183.2 ft msl	290.9 ft msl	2" PVC	V	Bamwell (IIB1)

SAMPLE DATE

10/29/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				220.1	ft msl
pH				6.8	pH
Sp. conductance				120	µS/cm
Water temperature				19.0	°C
Alkalinity as CaCO ₃				62	mg/L
Turbidity				1	NTU
Volume purged				8.3	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				60,000	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				13	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				-1.1E+00	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				2.2	1	JE	µg/L	GE	0
		Copper, total recoverable				4.1	1	JE	µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				4.6E-01	1	UI	pCi/L	GP	0
		Lead, total recoverable				<0.92	1	JEV	µg/L	GE	0
		Lithium, total recoverable				<25	1		µg/L	GE	0
		Mercury, total recoverable				<0.20	1	V	µg/L	GE	0
		Nickel, total recoverable				<5.0	1	J	µg/L	GE	0
		Nonvolatile beta				1.6E-01	1	UI	pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				-1.0E-01	1	UI	pCi/L	GP	0
		Selenium, total recoverable				<1.4	1	JEV	µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				-1.4E-01	1	UJI	pCi/L	GP	0
●		Sulfate				330	1	J1	µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				1.5	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				97,000	1		µg/L	GE	0
		Total organic carbon				<180	1	V	µg/L	GE	0
●		Total organic halogens				9.6	1	JE1	µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
■		Trichloroethylene				48	1		µg/L	GE	2
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
■		Tritium				5.2E+01	1		pCi/mL	GP	2
		Zinc, total recoverable				2.8	1	JE	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGO 53D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N76056.0 E55425.5	33.284420 °N 81.668591 °W	245.3-225.3 ft msl	291.6 ft msl	2"PVC	V	Barnwell (IIB1)

FIELD DATA

<u>Parameter</u>	<u>1Q</u>	<u>2Q</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation				227.3	ft msl
pH					pH
Sp. conductance					µS/cm
Water temperature					°C
Alkalinity as CaCO ₃					mg/L
Turbidity					NTU
Volume purged					well volume
Sampling code				P	

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGX 1A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76831.9 E58590.4	33.291300 °N 81.661764 °W	124.1-114.1 ft msl	291.2 ft msl	4" PVC	S	U. Congaree (IIA)

SAMPLE DATE 11/03/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				157.5	ft msl
pH				12.0	pH
Sp. conductance				2000	µS/cm
Water temperature				21.0	°C
Alkalinity as CaCO ₃				477	mg/L
Turbidity				8	NTU
Volume purged				0.035	well volume
Sampling code				X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				560,000	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				550	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				3.7E+00	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				7.6	1		µg/L	GE	0
		Copper, total recoverable				3.8	1	JE	µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				1.2E+01	1		pCi/L	GP	1
		Lead, total recoverable				29	1		µg/L	GE	1
		Lithium, total recoverable				290	1		µg/L	GE	2
		Mercury, total recoverable				<0.20	1		µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				1.1E+01	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				4.0E+00	1		pCi/L	GP	1
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				-2.7E-02	1	UI	pCi/L	GP	0
		Sulfate				3,800	1	V	µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				0.72	1	JE	µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				610,000	1		µg/L	GE	0
		Total organic carbon				320	1	JE	µg/L	GE	0
		Total organic halogens				8.6	1	JE	µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				6.9	1		µg/L	GE	2
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
		Tritium				5.0E+02	1		pCi/mL	GP	2
		Zinc, total recoverable				11	1	J	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGX 1C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76820.0 E58599.8	33.291289 °N 81.661716 °W	186.0-176.0 ft msl	291.3 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE 11/03/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				216.4	ft msl
pH				11.2	pH
Sp. conductance				2020	µS/cm
Water temperature				19.0	°C
Alkalinity as CaCO ₃				503	mg/L
Turbidity				5	NTU
Volume purged				0.038	well volume
Sampling code				X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				730,000	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				330	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				21	1	JE	µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				-1.1E+01	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				7.5	1		µg/L	GE	0
		Copper, total recoverable				3.7	1	JE	µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				0.54	1	JE	µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				6.8E+00	1		pCi/L	GP	0
		Lead, total recoverable				60	1	V	µg/L	GE	2
		Lithium, total recoverable				99	1		µg/L	GE	0
●		Mercury, total recoverable				<0.13	1	JV1	µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				6.4E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				2.4E+00	1		pCi/L	GP	0
		Selenium, total recoverable				<2.3	1	V	µg/L	GE	0
		Silver, total recoverable				1.2	1	JE	µg/L	GE	0
		Strontium-90				-1.3E-01	1	UI	pCi/L	GP	0
		Sulfate				<1,100	1	V	µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				0.36	1	JE	µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
●		Total dissolved solids				440,000	1		µg/L	GE	0
		Total organic carbon				1,100	1	JE1	µg/L	GE	0
		Total organic halogens				<10	1		µg/L	GE	0
		1,1,1-Trichloroethane				0.26	1	JE	µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				4.1	1		µg/L	GE	1
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
■		Tritium				1.2E+03	1		pCi/mL	GP	2
		Zinc, total recoverable				16	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGX 1D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76809.5 E58608.6	33.291280 °N 81.661673 °W	234.7-214.7 ft msl	291.3 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE

11/06/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				227.9	ft msl
pH				5.3	pH
Sp. conductance				39	µS/cm
Water temperature				17.6	°C
Alkalinity as CaCO ₃				11	mg/L
Turbidity				67	NTU
Volume purged				0.12	well volume
Sampling code				X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				13,000	1		µg/L	GE	
		Aluminum, total recoverable				94	1		µg/L	GE	2
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				22	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				4.4E+01	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				4.5	1	JE	µg/L	GE	0
		Copper, total recoverable				<5.0	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				3.7E+00	1		pCi/L	GP	0
		Iron, total recoverable				<160	1	V	µg/L	GE	0
		Lead, total recoverable				8.5	1		µg/L	GE	0
		Lithium, total recoverable				<25	1		µg/L	GE	0
		Manganese, total recoverable				23	1		µg/L	GE	0
		Mercury, total recoverable				<0.20	1		µg/L	GE	0
		Nickel, total recoverable				4.4	1	JE	µg/L	GE	0
		Nonvolatile beta				4.9E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				5.0E-01	1		pCi/L	GP	0
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				1.0	1	JE	µg/L	GE	0
		Strontium-90				-6.2E-02	1	UJI	pCi/L	GP	0
		Sulfate				780	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				3.3	1	JE	µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				42,000	1	V	µg/L	GE	0
●		Total organic carbon				290	1	JE1	µg/L	GE	0
		Total organic halogens				<10	1		µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				0.75	1	JE	µg/L	GE	0
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
■		Tritium				3.9E+03	1		pCi/mL	GP	2
		Zinc, total recoverable				9.0	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGX 2B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N77203.4 E58256.5	33.291577 °N 81.663365 °W	147.2-137.2 ft msl	291.3 ft msl	4" PVC	S	McBean (IIB1)

SAMPLE DATE

11/24/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				210.9	ft msl
pH				6.9	pH
Sp. conductance				200	µS/cm
Water temperature				19.7	°C
Alkalinity as CaCO ₃				102	mg/L
Turbidity				7.2	NTU
Volume purged				1.0	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				110,000	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				480	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<4.7	1		µg/L	WA	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				5.3E+00	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				120	1		µg/L	GE	2
		Copper, total recoverable				5.6	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				1.5E+00	1	J1	pCi/L	TM	0
		Lead, total recoverable				48	1	JV	µg/L	GE	1
		Lithium, total recoverable				9.3	1		µg/L	WA	0
		Mercury, total recoverable				<0.20	1		µg/L	GE	0
		Nickel, total recoverable				67	1		µg/L	GE	1
		Nonvolatile beta				1.7E+00	1	J1	pCi/L	TM	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				7.0E-01	1	J	pCi/L	GP	0
		Selenium, total recoverable				1.9	1	JE	µg/L	GE	0
		Silver, total recoverable				0.67	1	JE	µg/L	GE	0
		Strontium-90				1.7E-01	1	UI	pCi/L	GP	0
		Sulfate				7,600	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				170,000	1	V	µg/L	GE	0
		Total organic carbon				1,600	1	JE	µg/L	WA	0
		Total organic halogens				<3.5	1	JV	µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				0.55	1	JE	µg/L	GE	0
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
		Tritium				2.0E+01	1		pCi/mL	GP	1
		Xylenes				<5.0	1		µg/L	WA	0
		Zinc, total recoverable				67	1	V	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGX 2D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N77192.4 E58265.6	33.291567 °N 81.663320 °W	191.1-181.1 ft msl	291.1 ft msl	4" PVC	S	Bamwell (IIB1)

SAMPLE DATE

11/03/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				213.0	ft msl
pH				4.0	pH
Sp. conductance				240	µS/cm
Water temperature				19.0	°C
Alkalinity as CaCO ₃				0	mg/L
Turbidity				5	NTU
Volume purged				0.048	well volume
Sampling code				X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				8,800	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				5.9	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				-7.1E-01	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				0.34	1	JE	µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				1.7	1	JE	µg/L	GE	0
		Copper, total recoverable				49	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				0.33	1	JE	µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				1.2E+00	1		pCi/L	GP	0
		Lead, total recoverable				8.6	1		µg/L	GE	0
		Lithium, total recoverable				<25	1		µg/L	GE	0
		Mercury, total recoverable				<0.20	1		µg/L	GE	0
		Nickel, total recoverable				2.4	1	JE	µg/L	GE	0
		Nonvolatile beta				1.3E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				4.0E-01	1		pCi/L	GP	0
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				3.4E-01	1	UI	pCi/L	GP	0
		Sulfate				<150	1	V	µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				2.2	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				36,000	1		µg/L	GE	0
		Total organic carbon				500	1	JE	µg/L	GE	0
		Total organic halogens				13	1		µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
■		Trichloroethylene				22	1		µg/L	GE	2
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
■		Tritium				1.4E+02	1	J	pCi/mL	GP	2
		Zinc, total recoverable				96	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGX 3D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N77577.0 E57780.1	33.291626 °N 81.665346 °W	221.6-201.6 ft msl	291.2 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE

11/03/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				212.5	ft msl
pH				9.8	pH
Sp. conductance				42	µS/cm
Water temperature				20.0	°C
Alkalinity as CaCO ₃				84	mg/L
Turbidity				11	NTU
Volume purged				0.14	well volume
Sampling code				X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				210,000	1		µg/L	GE	
		Aluminum, total recoverable				310	1		µg/L	GE	2
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				13	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				1.6E+00	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				3.3	1	JE	µg/L	GE	0
		Copper, total recoverable				83	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				1.2E+00	1		pCi/L	GP	0
		Iron, total recoverable				680	1		µg/L	GE	2
		Lead, total recoverable				15	1		µg/L	GE	0
		Lithium, total recoverable				<25	1		µg/L	GE	0
		Manganese, total recoverable				46	1		µg/L	GE	1
		Mercury, total recoverable				<0.20	1		µg/L	GE	0
		Nickel, total recoverable				2.8	1	JE	µg/L	GE	0
		Nonvolatile beta				1.9E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				1.8E+00	1		pCi/L	GP	0
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				5.6E-02	1	UI	pCi/L	GP	0
		Sulfate				<240	1	V	µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				3.7	1	JE	µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				29,000	1		µg/L	GE	
		Total organic carbon				<5,000	1		µg/L	GE	0
		Total organic halogens				<10	1		µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				<1.0	1		µg/L	GE	0
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
■		Tritium				2.7E+02	1		pCi/mL	GP	2
		Zinc, total recoverable				77	1	J	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGX 4A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N77879.2 E57215.6	33.291373 °N 81.667419 °W	116.8-106.8 ft msl	290.9 ft msl	4" PVC	S	U. Congaree (IIA)

SAMPLE DATE

11/24/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				154.7	ft msl
pH				7.0	pH
Sp. conductance				240	µS/cm
Water temperature				17.0	°C
Alkalinity as CaCO ₃				125	mg/L
Turbidity				2	NTU
Volume purged				6.2	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				120,000	1		µg/L	WA	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				110	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<4.7	1		µg/L	WA	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				3.4E+00	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				1.7	1	JE	µg/L	GE	0
		Copper, total recoverable				<5.0	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				1.8E+00	1	J1	pCi/L	TM	0
		Lead, total recoverable				<0.72	1	JV	µg/L	GE	0
		Lithium, total recoverable				3.8	1		µg/L	WA	0
		Mercury, total recoverable				<0.20	1		µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				-1.2E-01	1	UI	pCi/L	TM	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				2.0E-01	1	UJI	pCi/L	GP	0
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				0.0E+00	1	UJI	pCi/L	TM	0
		Sulfate				8,200	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				180,000	1	V	µg/L	GE	0
		Total organic carbon				880	1	JE	µg/L	WA	0
		Total organic halogens				16	1	JE	µg/L	WA	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				<1.0	1		µg/L	GE	0
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
		Tritium				5.0E-02	1	UI	pCi/mL	TM	0
		Xylenes				<5.0	1		µg/L	WA	0
		Zinc, total recoverable				<4.0	1	V	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGX 4C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N77886.2 E57202.2	°N °W	180.7-170.7 ft msl	290.8 ft msl	4" PVC	S	McBean (IIB1)

FIELD DATA

11/04/97

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				294.54	ft msl
pH				5.6	pH
Sp. conductance				120	µS/cm
Water temperature				4.0	°C
Alkalinity as CaCO ₃				4.0	mg/L
Turbidity					NTU
Volume purged					well volume
Sampling code					

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				9,300	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				4.8	1	JE	µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				8.8E+00	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				<5.0	1		µg/L	GE	0
		Copper, total recoverable				<5.0	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				6.7E-01	1	UI	pCi/L	GP	0
		Lead, total recoverable				<5.0	1		µg/L	GE	0
		Lithium, total recoverable				<25	1		µg/L	GE	0
		Mercury, total recoverable				<0.20	1		µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				6.1E-01	1	UI	pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				2.0E-01	1	UI	pCi/L	GP	0
		Selenium, total recoverable				2.6	1	JE	µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				3.7E-02	1	UJI	pCi/L	GP	0
		Sulfate				560	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				28,000	1		µg/L	GE	0
		Total organic carbon				300	1	JE	µg/L	GE	0
		Total organic halogens				<10	1		µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				3.1	1		µg/L	GE	1
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
		Tritium				6.7E+00	1		pCi/mL	GP	0
		Zinc, total recoverable				12	1	V	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGX 4D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N77893.9 E57186.2	°N °W	223.8-203.8 ft msl	290.9 ft msl	4" PVC	S	Barnwell (IIB1)

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				210.28	ft msl
pH				5.4	pH
Sp. conductance				30.0	µS/cm
Water temperature				18.0	°C
Alkalinity as CaCO ₃				3.0	mg/L
Turbidity				4.6	NTU
Volume purged					well volume
Sampling code					

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				3,100	1		µg/L	GE	
		Aluminum, total recoverable				50	1		µg/L	GE	2
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				11	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				0.0E+00	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				0.71	1	JE	µg/L	GE	0
		Chromium, total recoverable				<5.0	1		µg/L	GE	0
		Copper, total recoverable				3.6	1	JE	µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				1.3E+00	1		pCi/L	GP	0
		Iron, total recoverable				120	1		µg/L	GE	0
		Lead, total recoverable				11	1		µg/L	GE	0
		Lithium, total recoverable				<25	1		µg/L	GE	0
		Manganese, total recoverable				15	1		µg/L	GE	0
		Mercury, total recoverable				<0.20	1		µg/L	GE	0
		Nickel, total recoverable				2.4	1	JE	µg/L	GE	0
		Nonvolatile beta				2.4E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				4.0E-01	1	UI	pCi/L	GP	0
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				9.3E-01	1	UJI	pCi/L	GP	0
		Sulfate				250	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				26,000	1		µg/L	GE	0
		Total organic carbon				410	1	JE	µg/L	GE	0
		Total organic halogens				7.3	1	JE	µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				<1.0	1		µg/L	GE	0
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
		Tritium				4.7E+01	1		pCi/mL	GP	2
		Zinc, total recoverable				12	1	V	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGX 5D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N98402.0 °N E59308.6 °W		215-195 ft msl	285.0 ft msl	4"PVC	S	Barnwell (IIB1)

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				204.0	ft msl
pH				5.0	pH
Sp. conductance				52	µS/cm
Water temperature				19.0	°C
Alkalinity as CaCO ₃				2.0	mg/L
Turbidity				14.5	NTU
Volume purged					well volume
Sampling code				X	

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				3,300	1		µg/L	GE	
		Aluminum, total recoverable				570	1		µg/L	GE	2
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				25	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				46	1	JE	µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				1.1E+00	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				0.67	1	JE	µg/L	GE	0
		Chromium, total recoverable				<5.0	1		µg/L	GE	0
		Copper, total recoverable				10	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				1.4E+01	1		pCi/L	GP	1
		Iron, total recoverable				1,400	1		µg/L	GE	2
		Lead, total recoverable				8.2	1		µg/L	GE	0
		Lithium, total recoverable				<25	1		µg/L	GE	0
		Manganese, total recoverable				310	1		µg/L	GE	2
		Mercury, total recoverable				<0.20	1		µg/L	GE	0
		Nickel, total recoverable				6.1	1		µg/L	GE	0
		Nonvolatile beta				1.0E+01	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				1.3E+00	1		pCi/L	GP	0
		Selenium, total recoverable				2.6	1	JE	µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				1.7E-01	1	UJI	pCi/L	GP	0
		Sulfate				10,000	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				39,000	1		µg/L	GE	
		Total organic carbon				300	1	JE	µg/L	GE	0
		Total organic halogens				<10	1		µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				<1.0	1		µg/L	GE	0
		Trichlorofluoromethane				1.7	1		µg/L	GE	0
■		Tritium				1.7E+02	1		pCi/mL	GP	2
		Zinc, total recoverable				19	1	V	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGX 6D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N78740.1 E57524.9	33.293782 °N 81.668277 °W	211.0-191.0 ft msl	277 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE

11/06/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				203.3	ft msl
pH				5.4	pH
Sp. conductance				64	µS/cm
Water temperature				19.0	°C
Alkalinity as CaCO ₃				14	mg/L
Turbidity				2	NTU
Volume purged				4.4	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				20,000	1		µg/L	GE	
		Aluminum, total recoverable				<50	1	J	µg/L	GE	0
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				28	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				7.6E+00	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				<5.0	1		µg/L	GE	0
		Copper, total recoverable				3.3	1	JE	µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				8.2E-01	1		pCi/L	GP	0
		Iron, total recoverable				13	1	JE	µg/L	GE	0
		Lead, total recoverable				6.6	1	V	µg/L	GE	0
		Lithium, total recoverable				<25	1		µg/L	GE	0
		Manganese, total recoverable				15	1		µg/L	GE	0
●		Mercury, total recoverable				<0.20	1	J1	µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				3.6E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				0.0E+00	1	UI	pCi/L	GP	0
		Selenium, total recoverable				<3.1	1	V	µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				2.0E-01	1	UJI	pCi/L	GP	0
		Sulfate				2,400	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				51,000	1		µg/L	GE	0
		Total organic carbon				<430	1	V	µg/L	GE	0
		Total organic halogens				<10	1		µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				<1.0	1		µg/L	GE	0
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
■		Tritium				4.0E+01	1		pCi/mL	GP	2
		Zinc, total recoverable				16	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGX 7D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N78349.3 E58312.8	33.294203 °N 81.665443 °W	214.1-194.1 ft msl	279.2 ft msl	4" PVC	S	Bamwell (IIB1)

SAMPLE DATE

11/05/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation					ft msl
pH				4.8	pH
Sp. conductance				24	µS/cm
Water temperature				18.0	°C
Alkalinity as CaCO ₃				0	mg/L
Turbidity				2	NTU
Volume purged					well volume
Sampling code				S	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				2,100	1		µg/L	GE	
		Aluminum, total recoverable				<50	1	J	µg/L	GE	0
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				7.3	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromofom				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				9.2E+00	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				0.91	1	JE	µg/L	GE	0
		Copper, total recoverable				4.9	1	JE	µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				1.4E+00	1		pCi/L	GP	0
		Iron, total recoverable				67	1		µg/L	GE	0
		Lead, total recoverable				5.5	1	V	µg/L	GE	0
		Lithium, total recoverable				<25	1		µg/L	GE	0
		Manganese, total recoverable				5.9	1	JE	µg/L	GE	0
●		Mercury, total recoverable				<0.11	1	JV1	µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				1.9E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				6.0E-01	1		pCi/L	GP	0
		Selenium, total recoverable				<2.9	1	V	µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				-1.5E-01	1	UJI	pCi/L	GP	0
		Sulfate				330	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				22,000	1		µg/L	GE	0
		Total organic carbon				<5,000	1		µg/L	GE	0
		Total organic halogens				6.6	1	JE	µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				<1.0	1		µg/L	GE	0
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
■		Tritium				4.7E+02	1		pCi/mL	GP	2
		Zinc, total recoverable				18	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGX 8DR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N77589.6 E58942.5	33.293550 °N 81.662309 °W	203.1-183.1 ft msl	278.2 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE

11/05/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				203.7	ft msl
pH				5.2	pH
Sp. conductance				42	µS/cm
Water temperature				20.0	°C
Alkalinity as CaCO ₃				10	mg/L
Turbidity				2	NTU
Volume purged				11	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				19,000	1		µg/L	GE	
		Aluminum, total recoverable				<50	1		µg/L	GE	0
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				<5.0	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				-1.9E+01	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				<5.0	1		µg/L	GE	0
		Copper, total recoverable				<5.0	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				2.6E+00	1		pCi/L	GP	0
		Iron, total recoverable				<50	1		µg/L	GE	0
		Lead, total recoverable				<5.0	1		µg/L	GE	0
		Lithium, total recoverable				<25	1		µg/L	GE	0
		Manganese, total recoverable				<10	1		µg/L	GE	0
		Mercury, total recoverable				<0.20	1		µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				1.4E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				3.0E-01	1	UI	pCi/L	GP	0
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				1.1	1	JE	µg/L	GE	0
		Strontium-90				-8.9E-02	1	UJI	pCi/L	GP	0
		Sulfate				230	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				54,000	1	V	µg/L	GE	0
		Total organic carbon				<180	1	V	µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				1.7	1		µg/L	GE	0
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
		Tritium				4.9E+03	1		pCi/mL	GP	2
		Zinc, total recoverable				<5.0	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGX 9D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76936.0 E59522.1	33.293050 °N 81.659513 °W	232.4-212.4 ft msl	279.4 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE

11/06/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				213.6	ft msl
pH				4.0	pH
Sp. conductance				28	µS/cm
Water temperature				18.0	°C
Alkalinity as CaCO ₃				0	mg/L
Turbidity				1	NTU
Volume purged				150	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				1,800	1		µg/L	GE	
		Aluminum, total recoverable				57	1	J	µg/L	GE	2
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				5.6	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				8.1E+00	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				<5.0	1		µg/L	GE	0
		Copper, total recoverable				<5.0	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				4.3E+00	1		pCi/L	GP	0
		Iron, total recoverable				16	1	JE	µg/L	GE	0
		Lead, total recoverable				<1.3	1	V	µg/L	GE	0
		Lithium, total recoverable				<25	1		µg/L	GE	0
		Manganese, total recoverable				3.9	1	JE	µg/L	GE	0
●		Mercury, total recoverable				<0.17	1	JV1	µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				3.4E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				1.8E+00	1		pCi/L	GP	0
		Selenium, total recoverable				<3.2	1	V	µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				9.8E-03	1	UJI	pCi/L	GP	0
		Sulfate				380	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				25,000	1		µg/L	GE	0
		Total organic carbon				<250	1	V	µg/L	GE	0
		Total organic halogens				<10	1		µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				<1.0	1		µg/L	GE	0
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
		Tritium				8.4E+00	1		pCi/mL	GP	0
		Zinc, total recoverable				3.0	1	JE	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGX 10D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76183.3 E59765.5	33.291783 °N 81.657410 °W	236.2-216.2 ft msl	276.9 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 10/29/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				224.6	ft msl
pH				5.6	pH
Sp. conductance				24	µS/cm
Water temperature				20.0	°C
Alkalinity as CaCO ₃				15	mg/L
Turbidity				11	NTU
Volume purged				0.0	well volume
Sampling code				X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				5,600	1		µg/L	GE	
		Aluminum, total recoverable				600	1	J3	µg/L	GE	2
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				34	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				5.7E+00	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				1.8	1	JE	µg/L	GE	0
		Copper, total recoverable				19	1	J	µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.3	1	V	µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				3.6E+00	1		pCi/L	GP	0
		Iron, total recoverable				1,500	1		µg/L	GE	2
		Lead, total recoverable				31	1	V	µg/L	GE	1
		Lithium, total recoverable				<25	1		µg/L	GE	0
		Manganese, total recoverable				39	1	V	µg/L	GE	1
		Mercury, total recoverable				<0.12	1	JEV	µg/L	GE	0
		Nickel, total recoverable				3.9	1	JE	µg/L	GE	0
		Nonvolatile beta				3.1E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				1.5E+00	1		pCi/L	GP	0
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				-2.4E-01	1	UJI	pCi/L	GP	0
●		Sulfate				630	1	J1	µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				1.5	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				33,000	1		µg/L	GE	0
		Total organic carbon				1,300	1	JEV	µg/L	GE	0
●		Total organic halogens				10	1	J1	µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
■		Trichloroethylene				47	1		µg/L	GE	2
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
		Tritium				9.5E+00	1		pCi/mL	GP	0
		Zinc, total recoverable				39	1	J	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGX 11D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75300.7 E59581.4	33.289530 °N 81.656180 °W	236.7-216.7 ft msl	276.3 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE

11/24/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				233.4	ft msl
pH				4.0	pH
Sp. conductance				180	µS/cm
Water temperature				18.0	°C
Alkalinity as CaCO ₃				3	mg/L
Turbidity				427	NTU
Volume purged				0.092	well volume
Sampling code				X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				2,600	1		µg/L	GE	
		Aluminum, total recoverable				3,700	1		µg/L	GE	2
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				3.7	1	JE	µg/L	GE	0
		Barium, total recoverable				100	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				1.1E+01	1		pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				26	1		µg/L	GE	0
		Copper, total recoverable				6.9	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
■		Gross alpha				3.3E+01	1	V	pCi/L	GP	2
		Iron, total recoverable				14,000	1	V	µg/L	GE	2
		Lead, total recoverable				20	1	JV	µg/L	GE	0
		Lithium, total recoverable				<250	10		µg/L	GE	0
		Manganese, total recoverable				25	1		µg/L	GE	0
		Mercury, total recoverable				<0.20	1		µg/L	GE	0
		Nickel, total recoverable				7.1	1		µg/L	GE	0
		Nonvolatile beta				2.1E+01	1	JV	pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				3.1E+00	1	J	pCi/L	GP	1
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				1.7E-01	1	UI	pCi/L	GP	0
		Sulfate				210	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				3.7	1	JE	µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				<34,000	1	V	µg/L	GE	0
		Total organic carbon				<560	1	V	µg/L	GE	0
		Total organic halogens				<10	1	J	µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				<1.0	1		µg/L	GE	0
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
		Tritium				1.5E+01	1		pCi/mL	GP	1
		Zinc, total recoverable				16	1	V	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGX 12C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74427.9 E59675.3	33.287753 °N 81.654237 °W	184.1-174.1 ft msl	275.1 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE

11/24/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				232.6	ft msl
pH				5.2	pH
Sp. conductance				26	µS/cm
Water temperature				19.7	°C
Alkalinity as CaCO ₃				8	mg/L
Turbidity				2	NTU
Volume purged				2.1	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				17,000	1		µg/L	WA	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				22	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<1.0	1	V	µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				5.6E+00	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				3.3	1	JE	µg/L	GE	0
		Copper, total recoverable				1.9	1	JE	µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				1.9E+00	1	J1	pCi/L	TM	0
		Lead, total recoverable				5.1	1	JV	µg/L	GE	0
		Lithium, total recoverable				4.3	1		µg/L	WA	0
		Mercury, total recoverable				<0.20	1		µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				2.9E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				-2.0E-02	1	UI	pCi/L	TM	0
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				7.5E-02	1	UI	pCi/L	GP	0
		Sulfate				880	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
●		Total dissolved solids				17,000	1	JE	µg/L	WA	
		Total organic carbon				510	1	JE	µg/L	WA	0
		Total organic halogens				13	1	JE	µg/L	WA	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				<1.0	1		µg/L	GE	0
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
		Tritium				-5.6E-02	1	UI	pCi/mL	GP	0
		Xylenes				<5.0	1		µg/L	WA	0
		Zinc, total recoverable				15	1	V	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL BGX 12D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74410.9 E59674.3	33.287714 °N 81.654207 °W	243.7-223.7 ft msl	275.2 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE

11/24/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				236.7	ft msl
pH				5.3	pH
Sp. conductance				17	µS/cm
Water temperature				20.6	°C
Alkalinity as CaCO ₃				3	mg/L
Turbidity				11	NTU
Volume purged				0.47	well volume
Sampling code				X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				4,400	1		µg/L	GE	
		Aluminum, total recoverable				<50	1		µg/L	GE	0
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				16	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				5.7E+00	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				<5.0	1		µg/L	GE	0
		Copper, total recoverable				5.6	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				5.2E-01	1	UI	pCi/L	GP	0
		Iron, total recoverable				86	1	V	µg/L	GE	0
		Lead, total recoverable				19	1	JV	µg/L	GE	0
		Lithium, total recoverable				<250	10		µg/L	GE	0
		Manganese, total recoverable				7.2	1	JE	µg/L	GE	0
		Mercury, total recoverable				<0.20	1		µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				2.3E+00	1	UJIV	pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				2.0E-01	1	UJI	pCi/L	GP	0
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				9.8E-01	1	UI	pCi/L	GP	0
		Sulfate				220	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				<19,000	1	V	µg/L	GE	0
		Total organic carbon				<680	1	V	µg/L	GE	0
		Total organic halogens				<10	1	J	µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				<1.0	1		µg/L	GE	0
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
		Tritium				1.1E+01	1		pCi/mL	GP	1
		Zinc, total recoverable				16	1	V	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL FSS 1D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75257.6 E53897.6	33.280161 °N 81.671063 °W	229.9-209.9 ft msl	266 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 10/22/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				220.8	ft msl
pH				4.8	pH
Sp. conductance				100	µS/cm
Water temperature				18.0	°C
Alkalinity as CaCO ₃				0	mg/L
Turbidity				43	NTU
Volume purged				0.0	well volume
Sampling code				X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				18,000	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				20	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				1.7	1	JE	µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				-1.6E+01	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				5.6	1		µg/L	GE	0
		Copper, total recoverable				320	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.9	1	V	µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				1.2E+00	1		pCi/L	GP	0
		Lead, total recoverable				39	1		µg/L	GE	1
		Lithium, total recoverable				<25	1		µg/L	GE	0
		Mercury, total recoverable				0.17	1	JE	µg/L	GE	0
		Nickel, total recoverable				5.9	1		µg/L	GE	0
		Nonvolatile beta				1.4E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				4.0E-01	1	J	pCi/L	GP	0
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				-1.4E-01	1	UI	pCi/L	GP	0
		Sulfate				1,900	1	JE	µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				50,000	1		µg/L	GE	0
●		Total organic carbon				<5,000	1	J1	µg/L	GE	0
		Total organic halogens				<4.5	1	V	µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				<1.0	1		µg/L	GE	0
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
		Tritium				9.2E+00	1		pCi/mL	GP	0
		Zinc, total recoverable				84	1	V	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL FSS 2D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75103.5 E53918.9	33.279855 °N 81.670708 °W	224.4-204.4 ft msl	261.6 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE

10/22/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				220.4	ft msl
pH				4.8	pH
Sp. conductance				100	µS/cm
Water temperature				18.0	°C
Alkalinity as CaCO ₃				0	mg/L
Turbidity				34	NTU
Volume purged				0.0	well volume
Sampling code				X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				6,100	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				28	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				20	1	JE	µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				1.4E+01	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				3.2	1	JE	µg/L	GE	0
		Copper, total recoverable				100	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.8	1	V	µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				3.5E+00	1		pCi/L	GP	0
		Lead, total recoverable				32	1		µg/L	GE	1
		Lithium, total recoverable				<25	1		µg/L	GE	0
		Mercury, total recoverable				0.17	1	JE	µg/L	GE	0
		Nickel, total recoverable				4.3	1	JE	µg/L	GE	0
		Nonvolatile beta				3.4E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				2.7E+00	1	J	pCi/L	GP	1
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				1.1E+00	1	UI	pCi/L	GP	0
		Sulfate				15,000	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				48,000	1		µg/L	GE	0
●		Total organic carbon				<220	1	JV1	µg/L	GE	0
		Total organic halogens				<4.9	1	V	µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				<1.0	1		µg/L	GE	0
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
■		Tritium				5.2E+01	1		pCi/mL	GP	2
		Zinc, total recoverable				150	1	V	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL FSS 3D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74960.5 E53548.0	33.278933 °N 81.671406 °W	225.8-205.8 ft msl	258.2 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE

10/15/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				218.1	ft msl
pH				5.0	pH
Sp. conductance				60	µS/cm
Water temperature				20.0	°C
Alkalinity as CaCO ₃				1	mg/L
Turbidity				11	NTU
Volume purged				0.0	well volume
Sampling code				X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				<1,000	1		µg/L	GE	0
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				44	1	V	µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<0.37	1	V	µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				-4.7E+00	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				9.3	1	V	µg/L	GE	0
		Copper, total recoverable				220	1	V	µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.1	1	V	µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				3.3E+00	1		pCi/L	GP	0
		Lead, total recoverable				94	1		µg/L	GE	2
		Lithium, total recoverable				<25	1		µg/L	GE	0
		Mercury, total recoverable				0.14	1	JE	µg/L	GE	0
		Nickel, total recoverable				8.7	1		µg/L	GE	0
		Nonvolatile beta				3.2E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				7.0E-01	1	J	pCi/L	GP	0
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				1.1E-01	1	UI	pCi/L	GP	0
		Sulfate				9,900	1	J1	µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<1.0	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				40,000	1		µg/L	GE	0
		Total organic carbon				3,300	1	JE	µg/L	GE	0
		Total organic halogens				9.2	1	JE	µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				<1.0	1		µg/L	GE	0
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
		Tritium				1.4E+02	1		pCi/mL	GP	2
		Zinc, total recoverable				65	1		µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL FSS 4D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75537.8 E52876.1	33.279114 °N 81.674297 °W	222.6-202.6 ft msl	291.8 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE

10/22/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				216.6	ft msl
pH				4.0	pH
Sp. conductance				160	µS/cm
Water temperature				18.0	°C
Alkalinity as CaCO ₃				0	mg/L
Turbidity				5	NTU
Volume purged				0.0	well volume
Sampling code				X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				8,000	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				12	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				0.89	1	JE	µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				-8.5E+00	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				2.1	1	JE	µg/L	GE	0
		Copper, total recoverable				1,500	1		µg/L	GE	2
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.7	1	V	µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				1.3E+00	1		pCi/L	GP	0
		Lead, total recoverable				550	1		µg/L	GE	2
		Lithium, total recoverable				<25	1		µg/L	GE	0
		Mercury, total recoverable				0.22	1		µg/L	GE	0
		Nickel, total recoverable				25	1		µg/L	GE	0
		Nonvolatile beta				1.6E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				5.0E-01	1	J	pCi/L	GP	0
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				-2.7E-01	1	UI	pCi/L	GP	0
		Sulfate				<5,000	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				46,000	1		µg/L	GE	
●		Total organic carbon				<5,000	1	J1	µg/L	GE	0
		Total organic halogens				<5.1	1	V	µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				0.81	1	JE	µg/L	GE	0
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
		Tritium				4.0E+00	1		pCi/mL	GP	0
		Zinc, total recoverable				2,400	1	V	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL HMD 1D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N78731.7 E56973.3	33.292863 °N 81.669714 °W	219.7-199.7 ft msl	264.5 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE

12/11/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				206.4	ft msl
pH				4.6	pH
Sp. conductance				420	µS/cm
Water temperature				16.0	°C
Alkalinity as CaCO ₃				0	mg/L
Turbidity				72	NTU
Volume purged				0.0	well volume
Sampling code				X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				29,000	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				41	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				52	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				-7.1E-01	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				19	1		µg/L	GE	0
		Copper, total recoverable				11	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				3.9	1		µg/L	GE	1
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				3.9E+00	1		pCi/L	GP	0
		Lead, total recoverable				79	1		µg/L	GE	2
		Lithium, total recoverable				<250	10		µg/L	GE	0
		Mercury, total recoverable				<0.20	1	J	µg/L	GE	0
		Nickel, total recoverable				10	1		µg/L	GE	0
		Nonvolatile beta				2.6E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				6.0E-01	1		pCi/L	GP	0
		Selenium, total recoverable				2.4	1	JE	µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				1.8E-02	1	UJI	pCi/L	GP	0
		Sulfate				13,000	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				56,000	1		µg/L	GE	0
		Total organic carbon				280	1	JE	µg/L	GE	0
		Total organic halogens				<11	1	V	µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				<1.0	1		µg/L	GE	0
		Trichlorofluoromethane				0.91	1	JE	µg/L	GE	0
		Tritium				4.9E+01	1		pCi/mL	GP	2
		Zinc, total recoverable				74	1	V	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL HMD 2D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N79665.8 E57269.7	33.295413 °N 81.670748 °W	210.8-190.8 ft msl	261.1 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE	12/11/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				198.6	ft msl
pH				5.2	pH
Sp. conductance				62	µS/cm
Water temperature				18.0	°C
Alkalinity as CaCO ₃				16	mg/L
Turbidity				1	NTU
Volume purged				30	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				12,000	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				1.5	1	JE	µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				47	1	JE	µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				1.9E+00	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				1.2	1	JE	µg/L	GE	0
		Copper, total recoverable				<5.0	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
■		Dichloromethane				5.5	1		µg/L	GE	2
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				1.9E-01	1	UI	pCi/L	GP	0
		Lead, total recoverable				2.0	1	JE	µg/L	GE	0
		Lithium, total recoverable				<250	10		µg/L	GE	0
		Mercury, total recoverable				<0.20	1		µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				7.6E-01	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				8.0E-01	1		pCi/L	GP	0
		Selenium, total recoverable				2.1	1	JE	µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				8.6E-01	1	UJI	pCi/L	GP	0
		Sulfate				11,000	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				43,000	1		µg/L	GE	0
		Total organic carbon				<5,000	1		µg/L	GE	0
		Total organic halogens				<10	1		µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				<1.0	1		µg/L	GE	0
		Trichlorofluoromethane				1.1	1		µg/L	GE	0
		Tritium				1.3E+01	1		pCi/mL	GP	1
		Zinc, total recoverable				<2.7	1	V	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL HMD 3D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N79578.7 E57745.2	33.295996 °N 81.669327 °W	207.7-187.7 ft msl	259.5 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE 12/11/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				198.3	ft msl
pH				4.4	pH
Sp. conductance				60	µS/cm
Water temperature				18.0	°C
Alkalinity as CaCO ₃				0	mg/L
Turbidity				1	NTU
Volume purged				8.4	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				2,100	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				10	1		µg/L	GE	0
●		Benzene				<1.0	1	J1	µg/L	GE	0
		Boron, total recoverable				63	1		µg/L	GE	0
●		Bromodichloromethane				<1.0	1	J1	µg/L	GE	0
●		Bromoform				<1.0	1	J1	µg/L	GE	0
●		Bromomethane (Methyl bromide)				<1.0	1	J1	µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
●		Carbon tetrachloride				<1.0	1	J1	µg/L	GE	0
		Carbon-14				-3.2E+00	1	UI	pCi/L	GP	0
●		Chlorobenzene				<1.0	1	J1	µg/L	GE	0
●		Chloroethane				<1.0	1	J1	µg/L	GE	0
●		Chloroethene (Vinyl chloride)				<1.0	1	J1	µg/L	GE	0
●		2-Chloroethyl vinyl ether				<5.0	1	J1	µg/L	GE	0
●		Chloroform				<1.0	1	J1	µg/L	GE	0
●		Chloromethane (Methyl chloride)				<1.0	1	J1	µg/L	GE	0
		Chromium, total recoverable				0.97	1	JE	µg/L	GE	0
		Copper, total recoverable				11	1		µg/L	GE	0
●		Dibromochloromethane				<1.0	1	J1	µg/L	GE	0
●		1,1-Dichloroethane				<1.0	1	J1	µg/L	GE	0
●		1,2-Dichloroethane				<1.0	1	J1	µg/L	GE	0
●		1,1-Dichloroethylene				<1.0	1	J1	µg/L	GE	0
●		trans-1,2-Dichloroethylene				<1.0	1	J1	µg/L	GE	0
●		Dichloromethane				<1.0	1	J1	µg/L	GE	0
●		1,2-Dichloropropane				<1.0	1	J1	µg/L	GE	0
●		cis-1,3-Dichloropropene				<1.0	1	J1	µg/L	GE	0
●		trans-1,3-Dichloropropene				<1.0	1	J1	µg/L	GE	0
●		Ethylbenzene				<1.0	1	J1	µg/L	GE	0
		Gross alpha				1.8E+00	1		pCi/L	GP	0
		Lead, total recoverable				4.3	1	JE	µg/L	GE	0
		Lithium, total recoverable				<250	10		µg/L	GE	0
		Mercury, total recoverable				<0.20	1		µg/L	GE	0
		Nickel, total recoverable				<5.0	1		µg/L	GE	0
		Nonvolatile beta				1.7E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				4.0E-01	1	UI	pCi/L	GP	0
		Selenium, total recoverable				2.2	1	JE	µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				3.1E-02	1	UJI	pCi/L	GP	0
		Sulfate				14,000	1		µg/L	GE	0
●		1,1,2,2-Tetrachloroethane				<1.0	1	J1	µg/L	GE	0
●		Tetrachloroethylene				<1.0	1	J1	µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
●		Toluene				<1.0	1	J1	µg/L	GE	0
		Total dissolved solids				38,000	1		µg/L	GE	0
		Total organic carbon				<5,000	1		µg/L	GE	0
		Total organic halogens				<5.4	1	V	µg/L	GE	0
●		1,1,1-Trichloroethane				<1.0	1	J1	µg/L	GE	0
●		1,1,2-Trichloroethane				<1.0	1	J1	µg/L	GE	0
●		Trichloroethylene				<1.0	1	J1	µg/L	GE	0
●		Trichlorofluoromethane				2.2	1	J1	µg/L	GE	0
■		Tritium				6.8E+01	1		pCi/mL	GP	2
		Zinc, total recoverable				18	1	V	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL HMD 4D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N79160.4 E58188.5	33.295794 °N 81.667346 °W	208.9-188.9 ft msl	250.9 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE 12/11/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation				198.4	ft msl
pH				6.6	pH
Sp. conductance				300	µS/cm
Water temperature				16.0	°C
Alkalinity as CaCO ₃				9	mg/L
Turbidity				39	NTU
Volume purged				0.16	well volume
Sampling code				X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Alkalinity (as CaCO ₃)				4,500	1		µg/L	GE	
		Antimony, total recoverable				<10	1		µg/L	GE	0
		Arsenic, total recoverable				<5.0	1		µg/L	GE	0
		Barium, total recoverable				150	1		µg/L	GE	0
		Benzene				<1.0	1		µg/L	GE	0
		Boron, total recoverable				<50	1		µg/L	GE	0
		Bromodichloromethane				<1.0	1		µg/L	GE	0
		Bromoform				<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)				<1.0	1		µg/L	GE	0
		Cadmium, total recoverable				<5.0	1		µg/L	GE	0
		Carbon tetrachloride				<1.0	1		µg/L	GE	0
		Carbon-14				-7.2E-01	1	UI	pCi/L	GP	0
		Chlorobenzene				<1.0	1		µg/L	GE	0
		Chloroethane				<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)				<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether				<5.0	1		µg/L	GE	0
		Chloroform				<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)				<1.0	1		µg/L	GE	0
		Chromium, total recoverable				25	1		µg/L	GE	0
		Copper, total recoverable				140	1		µg/L	GE	0
		Dibromochloromethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethane				<1.0	1		µg/L	GE	0
		1,2-Dichloroethane				<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene				<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene				<1.0	1		µg/L	GE	0
		Dichloromethane				<1.0	1		µg/L	GE	0
		1,2-Dichloropropane				<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene				<1.0	1		µg/L	GE	0
		Ethylbenzene				<1.0	1		µg/L	GE	0
		Gross alpha				6.1E+00	1		pCi/L	GP	0
		Lead, total recoverable				130	1		µg/L	GE	2
		Lithium, total recoverable				<250	10		µg/L	GE	0
		Mercury, total recoverable				<0.20	1		µg/L	GE	0
		Nickel, total recoverable				14	1		µg/L	GE	0
		Nonvolatile beta				5.4E+00	1		pCi/L	GP	0
		Phenols				<5.0	1		µg/L	GE	0
		Radium, total alpha-emitting				1.2E+00	1		pCi/L	GP	0
		Selenium, total recoverable				<5.0	1		µg/L	GE	0
		Silver, total recoverable				<5.0	1		µg/L	GE	0
		Strontium-90				7.4E-01	1	UJI	pCi/L	GP	0
		Sulfate				730	1		µg/L	GE	0
		1,1,2,2-Tetrachloroethane				<1.0	1		µg/L	GE	0
		Tetrachloroethylene				<1.0	1		µg/L	GE	0
		Tin, total recoverable				<10	1		µg/L	GE	0
		Toluene				<1.0	1		µg/L	GE	0
		Total dissolved solids				24,000	1		µg/L	GE	
		Total organic carbon				<5,000	1		µg/L	GE	0
		Total organic halogens				<6.9	1	V	µg/L	GE	0
		1,1,1-Trichloroethane				<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane				<1.0	1		µg/L	GE	0
		Trichloroethylene				<1.0	1		µg/L	GE	0
		Trichlorofluoromethane				<1.0	1		µg/L	GE	0
		Tritium				7.6E+00	1		pCi/mL	GP	0
		Zinc, total recoverable				160	1	V	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL HSB 85A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N73791.9 E58943.4	33.285152 °N 81.654930 °W	71.1-61.1 ft msl	294.4 ft msl	4" PVC	S	U. Congaree (IIA)

SAMPLE DATE   01/24/97   04/14/97   07/08/97   10/14/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation	168.4	168.5	169.0	168.3	ft msl
pH	6.6	6.4	6.4	6.5	pH
Sp. conductance	140	180	140	175	µS/cm
Water temperature	24.0	25.0	20.0	20.9	°C
Alkalinity as CaCO ₃	65	88	26	80	mg/L
Turbidity	1	0	0	0	NTU
Volume purged	2.9	2.8	2.7	2.7	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Actinium-228	<i>-3.1E+00</i>						pCi/L		
		Alkalinity (as CaCO ₃)		65,000		80,000	1		µg/L	GE	
		Americium-241	<i>3.1E-02</i>						pCi/L		
		Antimony, total recoverable	<15	<15		<4.6	1	V	µg/L	GE	0
		Antimony-125	<i>-1.0E-02</i>						pCi/L		
		Arsenic, total recoverable	<10	2.4		<5.0	1		µg/L	GE	0
		Barium, total recoverable	31	30		34	1	V	µg/L	GE	0
		Benzene	<2.0	<2.0		<1.0	1		µg/L	GE	0
		Bis(2-ethylhexyl) phthalate	<10						µg/L		
		Boron, total recoverable		<500		<50	1		µg/L	GE	0
		Bromodichloromethane	<2.0	<2.0		<1.0	1		µg/L	GE	0
		Bromoform	<2.0	<2.0		<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)	<2.0	<2.0		<1.0	1		µg/L	GE	0
		Cadmium, total recoverable	<10	<10	0.64	<5.0	1		µg/L	GE	0
		Carbon tetrachloride	<2.0	<2.0		<1.0	1		µg/L	GE	0
		Carbon-14	<i>-6.7E-01</i>	<i>-2.4E+00</i>		<i>-1.3E+01</i>	1	UI	pCi/L	GP	0
		Cerium-144	<i>-1.3E-01</i>						pCi/L		
		Cesium-134	<i>-9.0E-01</i>						pCi/L		
		Cesium-137	<i>1.0E+00</i>						pCi/L		
		Chlorobenzene	<2.0	<2.0		<1.0	1		µg/L	GE	0
		Chloroethane	<2.0	<2.0		<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)	<2.0	<2.0		<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether	<5.0	<5.0		<5.0	1		µg/L	GE	0
		Chloroform	<2.0	<2.0		<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)	<2.0	<2.0		<1.0	1		µg/L	GE	0
		Chromium, total recoverable	<20	<20		<3.5	1	V	µg/L	GE	0
		Cobalt, total recoverable	<20						µg/L		
		Cobalt-57	<i>-6.9E-01</i>						pCi/L		
		Cobalt-60	<i>1.2E+00</i>						pCi/L		
		Copper, total recoverable	<20	<20		<6.3	1	V	µg/L	GE	0
		Curium-242	<i>-4.0E-02</i>						pCi/L		
		Curium-243/244	<i>-7.3E-02</i>						pCi/L		
		Curium-245/246	<i>-3.5E-03</i>						pCi/L		
		Cyanide	<10						µg/L		
		Dibromochloromethane	<2.0	<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethane	<2.0	<2.0		<1.0	1		µg/L	GE	0
		1,2-Dichloroethane	<2.0	<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene	<2.0	<2.0		<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene	<2.0	<2.0		<1.0	1		µg/L	GE	0
		Dichloromethane	<5.0	<5.0		<1.0	1		µg/L	GE	0
		1,2-Dichloropropane	<2.0	<2.0		<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene	<2.0	<2.0		<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene	<2.0	<2.0		<1.0	1		µg/L	GE	0
		Ethylbenzene	<2.0	<2.0		<1.0	1		µg/L	GE	0
		Europium-152	<i>3.3E+00</i>						pCi/L		
		Europium-154	<i>-2.3E+00</i>						pCi/L		
		Europium-155	<i>2.8E+00</i>						pCi/L		
		Gross alpha	<i>1.1E+00</i>	<i>8.2E-01</i>	<i>1.8E+00</i>	<i>8.1E-01</i>	1	UI	pCi/L	GP	0
		Iodine-129	<i>5.1E-01</i>						pCi/L		
		Lead, total recoverable	7.6	<15	1.4	<5.0	1		µg/L	GE	0
		Lead-212	<i>6.1E+00</i>						pCi/L		
		Lithium, total recoverable		5.9		<25	1		µg/L	GE	0
		Manganese, total recoverable		<10					µg/L		
		Manganese-54	<i>-2.5E-01</i>						pCi/L		
		Mercury, total recoverable	<1.0	<1.0	0.14	<0.20	1		µg/L	GE	0
		Nickel, total recoverable	<20	<20		<5.0	1		µg/L	GE	0
		Nitrate-nitrite as nitrogen	60	<50	10	100	1	V	µg/L	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL HSB 85A (cont.)

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
●		Nonvolatile beta	<i>7.8E-01</i>	<i>1.3E+00</i>	<i>3.9E+00</i>	<i>1.2E+00</i>	1	UI	pCi/L	GP	0
		pH	7.0	6.8	6.9	6.9	1	J1	pH	GE	0
		Phenols	<25	<25		<5.0	1		µg/L	GE	0
		Plutonium-238	<i>3.5E-02</i>						pCi/L		
		Plutonium-239/240	<i>-2.1E-02</i>						pCi/L		
		Potassium-40	<i>5.4E+00</i>						pCi/L		
		Promethium-144	<i>-4.7E-01</i>						pCi/L		
		Promethium-146	<i>8.9E-01</i>						pCi/L		
		Radium, total alpha-emitting		3.0E-01		<i>2.0E-01</i>	1	UJI	pCi/L	GP	0
		Radium-226	<i>4.4E-01</i>						pCi/L		
		Radium-228	<i>2.3E+00</i>						pCi/L		
		Ruthenium-106	<i>-7.5E+00</i>						pCi/L		
		Selenium, total recoverable	<10	<10		<5.0	1		µg/L	GE	0
		Silver, total recoverable	<10	<10		<5.0	1		µg/L	GE	0
		Sodium-22	<i>-8.3E-01</i>						pCi/L		
		Specific conductance	170	190	190	190	1		µS/cm	GE	0
		Strontium-90	<i>2.8E-01</i>	<i>1.6E-01</i>		<i>4.5E-02</i>	1	UI	pCi/L	GP	0
●		Sulfate		5,900		6,100	1	J1	µg/L	GE	0
		Technetium-99	<i>-1.2E+01</i>						pCi/L		
		1,1,2,2-Tetrachloroethane	<2.0	<2.0		<1.0	1		µg/L	GE	0
		Tetrachloroethylene	<2.0	<2.0		<1.0	1		µg/L	GE	0
		Thallium, total recoverable	<10						µg/L		
		Thorium-228	<i>3.0E-02</i>						pCi/L		
		Thorium-230	<i>1.6E-01</i>						pCi/L		
		Thorium-232	<i>1.1E-01</i>						pCi/L		
		Tin, total recoverable	<100	<100		<10	1		µg/L	GE	0
		Toluene	<2.0	<2.0		<1.0	1		µg/L	GE	0
		Total dissolved solids		130,000		130,000	1		µg/L	GE	0
		Total organic carbon		<5,000		250	1	JE	µg/L	GE	0
		Total organic halogens		<10		12	1		µg/L	GE	0
		1,1,1-Trichloroethane	<2.0	<2.0		<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane	<2.0	<2.0		<1.0	1		µg/L	GE	0
		Trichloroethylene	<2.0	<2.0		<1.0	1		µg/L	GE	0
		Trichlorofluoromethane	<2.0	<2.0		<1.0	1		µg/L	GE	0
		Tritium	<i>-8.4E-02</i>	<i>-3.0E-01</i>	<i>-9.0E-02</i>	<i>-3.6E-01</i>	1	UI	pCi/mL	GP	0
		Uranium-233/234	<i>3.8E-02</i>						pCi/L		
		Uranium-235	<i>-6.4E-05</i>						pCi/L		
		Uranium-238	<i>2.6E-02</i>						pCi/L		
		Vanadium, total recoverable	<40						µg/L		
		Yttrium-88	<i>-2.1E+00</i>						pCi/L		
		Zinc, total recoverable	<4.7	<2.4		2.9	1	JE	µg/L	GE	0
		Zinc-65	<i>3.4E+00</i>						pCi/L		

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL HSB 85B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N73789.3 E58953.3	33.285162 °N 81.654898 °W	143.2-133.2 ft msl	294.5 ft msl	4" PVC	S	McBean (IIB1)

SAMPLE DATE	01/17/97	04/14/97	07/08/97	10/14/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation	231.5	231.5	231.5	211.1	ft msl
pH	10.4	10.2	8.4	9.8	pH
Sp. conductance	360	360	260	310	µS/cm
Water temperature	22.0	25.0	26.0	22.4	°C
Alkalinity as CaCO ₃	115	100	89	106	mg/L
Turbidity	1	0	2	1	NTU
Volume purged	0.0	0.0	0.016	0.039	well volume
Sampling code	X	X	X	X	

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Actinium-228	4.2E+00						pCi/L		
		Alkalinity (as CaCO ₃)		86,000		100,000	1		µg/L	GE	
		Americium-241	-1.0E-03						pCi/L		
		Antimony, total recoverable	<15	<15		<2.7	1	V	µg/L	GE	0
		Antimony-125	-1.4E+00						pCi/L		
		Arsenic, total recoverable	<10	<10		3.9	1	JE	µg/L	GE	0
		Barium, total recoverable	33	33		26	1	V	µg/L	GE	0
		Benzene	<2.0	<2.0		<1.0	1		µg/L	GE	0
		Bis(2-ethylhexyl) phthalate	320						µg/L		
		Boron, total recoverable		<500		<50	1		µg/L	GE	0
		Bromodichloromethane	<2.0	<2.0		<1.0	1		µg/L	GE	0
		Bromoform	<2.0	<2.0		<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)	<2.0	<2.0		<1.0	1		µg/L	GE	0
		Cadmium, total recoverable	<10	<10		<0.34	1	V	µg/L	GE	0
		Carbon tetrachloride	<2.0	<2.0		<1.0	1		µg/L	GE	0
		Carbon-14	-4.8E+00	-9.5E-01		-2.2E+01	1	UI	pCi/L	GP	0
		Cerium-144	4.3E+00						pCi/L		
		Cesium-134	1.2E+00						pCi/L		
		Cesium-137	2.9E-01						pCi/L		
		Chlorobenzene	<2.0	<2.0		<1.0	1		µg/L	GE	0
		Chloroethane	<2.0	<2.0		<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)	<2.0	<2.0		<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether	<5.0	<5.0		<5.0	1		µg/L	GE	0
		Chloroform	<2.0	<2.0		<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)	<2.0	<2.0		<1.0	1		µg/L	GE	0
		Chromium, total recoverable	5.0	<20		<5.0	1	V	µg/L	GE	0
		Cobalt, total recoverable	<20						µg/L		
		Cobalt-57	5.9E-01						pCi/L		
		Cobalt-60	-6.6E-01						pCi/L		
		Copper, total recoverable	4.3	<20		<6.9	1	V	µg/L	GE	0
		Curium-242	-1.2E-02						pCi/L		
		Curium-243/244	1.5E-02						pCi/L		
		Curium-245/246	-1.5E-02						pCi/L		
		Cyanide	<10						µg/L		
		Dibromochloromethane	<2.0	<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethane	<2.0	<2.0		<1.0	1		µg/L	GE	0
		1,2-Dichloroethane	<2.0	<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene	<2.0	<2.0		<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene	<2.0	<2.0		<1.0	1		µg/L	GE	0
		Dichloromethane	<5.0	<5.0		<1.4	1	V	µg/L	GE	0
		1,2-Dichloropropane	<2.0	<2.0		<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene	<2.0	<2.0		<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene	<2.0	<2.0		<1.0	1		µg/L	GE	0
		Ethylbenzene	<2.0	<2.0		<1.0	1		µg/L	GE	0
		Europium-152	-1.5E+00						pCi/L		
		Europium-154	-6.6E+00						pCi/L		
		Europium-155	-3.4E+00						pCi/L		
		Gross alpha	1.3E-01	1.2E+00	1.2E+00	1.4E+00	1		pCi/L	GP	0
		Iodine-129	7.7E-02						pCi/L		
		Lead, total recoverable	<15	<15		1.2	1	JE	µg/L	GE	0
		Lead-212	8.3E-01						pCi/L		
		Lithium, total recoverable		6.4		<25	1		µg/L	GE	0
		Manganese-54	5.8E-01						pCi/L		
		Mercury, total recoverable	<1.0	<1.0	<0.20	<0.20	1		µg/L	GE	0
		Nickel, total recoverable	<20	<20		<5.0	1		µg/L	GE	0
		Nitrate-nitrite as nitrogen	710	690	670	60	1	V	µg/L	GE	0
		Nonvolatile beta	2.7E+00	3.3E+00	2.8E+00	8.9E-01	1	UI	pCi/L	GP	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL HSB 85B (cont.)

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
●		pH	9.9	11	11	7.7	1	J1	pH	GE	0
		Phenols		<25		<5.0	1		µg/L	GE	0
		Plutonium-238	<i>1.6E-02</i>						pCi/L		
		Plutonium-239/240	<i>3.3E-03</i>						pCi/L		
		Potassium-40	<i>1.3E+01</i>						pCi/L		
		Promethium-144	<i>-1.5E+00</i>						pCi/L		
		Promethium-146	<i>5.9E-01</i>						pCi/L		
		Radium, total alpha-emitting		2.0E-01		<i>1.0E-01</i>	1	UJI	pCi/L	GP	0
		Radium-226	1.0E+00						pCi/L		
		Radium-228	<i>1.4E-02</i>						pCi/L		
		Ruthenium-106	<i>5.4E+00</i>						pCi/L		
		Selenium, total recoverable	<10	<10		<5.0	1		µg/L	GE	0
		Silver, total recoverable	<10	2.7		<5.0	1		µg/L	GE	0
		Sodium-22	<i>-2.3E+00</i>						pCi/L		
		Specific conductance	88	400	380	210	1		µS/cm	GE	0
		Strontium-90	<i>-2.7E-01</i>	<i>-5.5E-02</i>		<i>-2.5E-01</i>	1	UI	pCi/L	GP	0
●		Sulfate		3,400		<5,000	1	J1	µg/L	GE	0
		Technetium-99	<i>-3.2E-01</i>						pCi/L		
		1,1,2,2-Tetrachloroethane	<2.0	<2.0		<1.0	1		µg/L	GE	0
		Tetrachloroethylene	<2.0	<2.0		<1.0	1		µg/L	GE	0
		Thorium-228	<i>-2.2E-02</i>						pCi/L		
		Thorium-230	1.2E-01						pCi/L		
		Thorium-232	<i>0.0E+00</i>						pCi/L		
		Tin, total recoverable	<10	<100		<10	1		µg/L	GE	0
		Toluene	<2.0	<2.0		<1.0	1		µg/L	GE	0
		Total dissolved solids		130,000		130,000	1		µg/L	GE	0
		Total organic carbon		<5,000		680	1	JE	µg/L	GE	0
		Total organic halogens		<10		4.2	1	JE	µg/L	GE	0
		1,1,1-Trichloroethane	<2.0	<2.0		<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane	<2.0	<2.0		<1.0	1		µg/L	GE	0
		Trichloroethylene	<2.0	<2.0		<1.0	1		µg/L	GE	0
		Trichlorofluoromethane	<2.0	<2.0		<1.0	1		µg/L	GE	0
		Tritium	2.7E+00	2.4E+00	3.9E+00	<i>-3.2E-01</i>	1	UI	pCi/mL	GP	0
		Uranium-233/234	<i>4.6E-02</i>						pCi/L		
		Uranium-235	<i>1.3E-02</i>						pCi/L		
		Uranium-238	<i>2.0E-02</i>						pCi/L		
		Vanadium, total recoverable	19						µg/L		
		Yttrium-88	<i>-5.3E-01</i>						pCi/L		
		Zinc, total recoverable	<7.9	<8.4		8.5	1		µg/L	GE	0
		Zinc-65	<i>7.0E-01</i>						pCi/L		

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL HSB 85C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N73802.3 E58947.4	33.285182 °N 81.654939 °W	224.2-214.2 ft msl	294.1 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 01/17/97 04/14/97 07/08/97 10/14/97

FIELD DATA

Parameter	1Q	2Q	3Q	4Q	Unit
Water elevation	236.7	236.8	234.9	236.7	ft msl
pH	4.2	3.8	4.6	4.1	pH
Sp. conductance	36	42	32	35	µS/cm
Water temperature	21.0	24.0	21.0	22.4	°C
Alkalinity as CaCO ₃	0	0	2	0	mg/L
Turbidity	1	1	0	0	NTU
Volume purged	4.3	3.6	4.1	3.7	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Actinium-228	9.5E+00						pCi/L		
		Alkalinity (as CaCO ₃)		<1,000		<1,000	1		µg/L	GE	0
		Americium-241	2.4E-03						pCi/L		
		Antimony, total recoverable	<15	<15		<3.1	1	V	µg/L	GE	0
		Antimony-125	3.4E-01						pCi/L		
		Arsenic, total recoverable	<10	<10		<5.0	1		µg/L	GE	0
		Barium, total recoverable	9.3	9.2		10	1	V	µg/L	GE	0
		Benzene	<2.0	<2.0		<1.0	1		µg/L	GE	0
		Bis(2-ethylhexyl) phthalate	<9.5						µg/L		
		Boron, total recoverable		<500		<50	1		µg/L	GE	0
		Bromodichloromethane	<2.0	<2.0		<1.0	1		µg/L	GE	0
		Bromoform	<2.0	<2.0		<1.0	1		µg/L	GE	0
		Bromomethane (Methyl bromide)	<2.0	<2.0		<1.0	1		µg/L	GE	0
		Cadmium, total recoverable	<10	<10		<5.0	1		µg/L	GE	0
		Carbon tetrachloride	<2.0	<2.0		<1.0	1		µg/L	GE	0
		Carbon-14	-6.6E+00	-7.1E-01		7.7E+00	1	UI	pCi/L	GP	0
		Cerium-144	-1.3E+00						pCi/L		
		Cesium-134	7.5E-01						pCi/L		
		Cesium-137	-3.6E-01						pCi/L		
		Chlorobenzene	<2.0	<2.0		<1.0	1		µg/L	GE	0
		Chloroethane	<2.0	<2.0		<1.0	1		µg/L	GE	0
		Chloroethene (Vinyl chloride)	<2.0	<2.0		<1.0	1		µg/L	GE	0
		2-Chloroethyl vinyl ether	<5.0	<5.0		<5.0	1		µg/L	GE	0
		Chloroform	<2.0	<2.0		<1.0	1		µg/L	GE	0
		Chloromethane (Methyl chloride)	<2.0	<2.0		<1.0	1		µg/L	GE	0
		Chromium, total recoverable	<20	<20		<2.9	1	V	µg/L	GE	0
		Cobalt, total recoverable	<20						µg/L		
		Cobalt-57	-1.3E-01						pCi/L		
		Cobalt-60	-9.5E-02						pCi/L		
		Copper, total recoverable	35	39		120	1	V	µg/L	GE	0
		Curium-242	-2.3E-02						pCi/L		
		Curium-243/244	2.5E-02						pCi/L		
		Curium-245/246	2.3E-02						pCi/L		
		Cyanide	<10						µg/L		
		Dibromochloromethane	<2.0	<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethane	<2.0	<2.0		<1.0	1		µg/L	GE	0
		1,2-Dichloroethane	<2.0	<2.0		<1.0	1		µg/L	GE	0
		1,1-Dichloroethylene	<2.0	<2.0		<1.0	1		µg/L	GE	0
		trans-1,2-Dichloroethylene	<2.0	<2.0		<1.0	1		µg/L	GE	0
		Dichloromethane	<5.0	<5.0		<0.99	1	V	µg/L	GE	0
		1,2-Dichloropropane	<2.0	<2.0		<1.0	1		µg/L	GE	0
		cis-1,3-Dichloropropene	<2.0	<2.0		<1.0	1		µg/L	GE	0
		trans-1,3-Dichloropropene	<2.0	<2.0		<1.0	1		µg/L	GE	0
		Ethylbenzene	<2.0	<2.0		<1.0	1		µg/L	GE	0
		Europium-152	-3.8E-01						pCi/L		
		Europium-154	1.4E+00						pCi/L		
		Europium-155	3.9E-01						pCi/L		
		Gross alpha	3.6E+00	3.0E+00	3.8E+00	2.2E+00	1		pCi/L	GP	0
		Iodine-129	8.9E-02						pCi/L		
		Lead, total recoverable	<15	<15		2.0	1	JE	µg/L	GE	0
		Lead-212	7.7E+00						pCi/L		
		Lithium, total recoverable		<25		<25	1		µg/L	GE	0
		Manganese-54	-7.7E-01						pCi/L		
		Mercury, total recoverable	<1.0	<1.0	0.17	<0.20	1		µg/L	GE	0
		Nickel, total recoverable	<20	<20		<5.0	1		µg/L	GE	0
		Nitrate-nitrite as nitrogen	2,600	2,600	2,500	2,300	5	V	µg/L	GE	0
		Nonvolatile beta	1.8E+00	2.4E+00	1.8E+00	2.2E+00	1		pCi/L	GP	0
●		pH	5.0	4.4	4.8	4.4	1	J1	pH	GE	0

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

WELL HSB 85C (cont.)

H	ST	Parameter	1Q	2Q	3Q	4Q	DF	Mod	Unit	Lab	Flag
		Phenols		<25		<5.0	1		µg/L	GE	0
		Plutonium-238	<i>1.7E-02</i>						pCi/L		
		Plutonium-239/240	<i>0.0E+00</i>						pCi/L		
		Potassium-40	<i>2.1E+01</i>						pCi/L		
		Promethium-144	<i>-2.4E-01</i>						pCi/L		
		Promethium-146	<i>-2.2E-01</i>						pCi/L		
		Radium, total alpha-emitting		9.0E-01		9.0E-01	1	J	pCi/L	GP	0
		Radium-226	<i>1.8E+00</i>						pCi/L		
		Radium-228	<i>-5.3E-02</i>						pCi/L		
		Ruthenium-106	<i>-5.9E-02</i>						pCi/L		
		Selenium, total recoverable	<10	<10		<5.0	1		µg/L	GE	0
		Silver, total recoverable	<10	<10		<5.0	1		µg/L	GE	0
		Sodium-22	<i>5.0E-01</i>						pCi/L		
		Specific conductance	38	40	40	37	1		µS/cm	GE	0
		Strontium-90	<i>-9.7E-02</i>	<i>-1.7E-01</i>		<i>7.8E-01</i>	1	UI	pCi/L	GP	0
●		Sulfate		<5,000		<5,000	1	J1	µg/L	GE	0
		Technetium-99	<i>0.0E+00</i>						pCi/L		
		1,1,2,2-Tetrachloroethane	<2.0	<2.0		<1.0	1		µg/L	GE	0
		Tetrachloroethylene	<2.0	<2.0		<1.0	1		µg/L	GE	0
		Thorium-228	<i>6.5E-02</i>						pCi/L		
		Thorium-230	<i>6.7E-02</i>						pCi/L		
		Thorium-232	<i>-1.5E-02</i>						pCi/L		
		Tin, total recoverable	<10	<100		<10	1		µg/L	GE	0
		Toluene	<2.0	<2.0		<1.0	1		µg/L	GE	0
		Total dissolved solids		24,000		31,000	1		µg/L	GE	0
		Total organic carbon		<5,000		<5,000	1		µg/L	GE	0
		Total organic halogens		<10		5.7	1	JE	µg/L	GE	0
		1,1,1-Trichloroethane	<2.0	<2.0		<1.0	1		µg/L	GE	0
		1,1,2-Trichloroethane	<2.0	<2.0		<1.0	1		µg/L	GE	0
		Trichloroethylene	<2.0	<2.0		<1.0	1		µg/L	GE	0
		Trichlorofluoromethane	<2.0	<2.0		<1.0	1		µg/L	GE	0
		Tritium	<i>8.0E+00</i>	<i>8.1E+00</i>	<i>1.0E+01</i>	<i>7.9E+00</i>	1		pCi/mL	GP	0
		Uranium-233/234	<i>1.0E-01</i>						pCi/L		
		Uranium-235	<i>7.3E-03</i>						pCi/L		
		Uranium-238	<i>9.4E-02</i>						pCi/L		
		Vanadium, total recoverable	<40						µg/L		
		Yttrium-88	<i>1.6E-01</i>						pCi/L		
		Zinc, total recoverable	<8.1	<8.0		5.4	1		µg/L	GE	0
		Zinc-65	<i>1.3E+00</i>						pCi/L		

Notes: Concentrations in bold italics exceed the groundwater protection or monitoring constituent standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit. Synchronous water levels are measured over a 3-5 day period or less. Dilution factor, modifier, laboratory, and flag are for fourth quarter 1997 only. See Appendix B for flagging criteria.

● = exceeded holding time for fourth quarter 1997.

■ = exceeded groundwater protection or monitoring constituent standard for fourth quarter 1997.

Appendix E

Data Quality/Usability Assessment

THIS PAGE LEFT BLANK INTENTIONALLY.

Data Quality/Usability Assessment

- Quality assurance/quality control (QA/QC) procedures relating to accuracy and precision of analyses performed on groundwater samples are followed in the field and laboratory, and QC data are reviewed prior to publication of results. The review by the Environmental Protection Department/ Environmental Monitoring Section (EPD/EMS) of the volume of analytical data acquired each quarter and presented in various reports is an ongoing process; EPD/EMS' review of the QC data cannot be completed in time to meet the deadlines for the groundwater monitoring reports required by the Resource Conservation and Recovery Act and associated regulations. Beginning first quarter 1996, the *Quality Control Samples* section of EMS' quarterly groundwater monitoring report contains detailed evaluation of the following indicators of data quality: precision, accuracy, representativeness, comparability, and completeness. Site and regulatory personnel can obtain further information on the data quality and usability in a variety of ways, including those described below.

Data Qualification

The contract laboratories continually assess their own accuracy and precision according to U.S. Environmental Protection Agency (EPA) guidelines. They submit sample- or batch-specific QC information either at the same time as analytical results or in quarterly summaries. Properly defined and used modifiers (also referred to as qualifiers) can be a key component in assessing data usability. Modifiers designed by EPA or EPD/EMS and used by the primary laboratories or EMS' data validators are presented in Appendix D.

Assessment of Accuracy of the Data

Accuracy, or the nearness of the reported result to the true concentration of a constituent in a sample, can be assessed in several ways.

A laboratory's general accuracy can be judged by evaluation of results obtained from known samples. The contract laboratories analyze commercial reference samples periodically at EPD/EMS' request. The results of these analyses from the nonradionuclide laboratories are presented in the EPD/EMS groundwater monitoring quarterly reports; the results from the radionuclide laboratories should be available on request from the laboratory subcontract representatives. The primary laboratories also seek or maintain state certification by participating periodically in performance studies. Reference samples and evaluation of results are provided by EPA. Results of these studies also are published in the EPD/EMS quarterly reports.

Analysis of blanks provides a tool for assessing the accuracy of both sampling and laboratory analysis. Results for all field blanks for the quarter can be found in the EPD/EMS quarterly reports. Any field or laboratory blanks that exceed established minimums are identified in the same reports, in tables associating them with groundwater samples analyzed in the same batches. In these regulatory reports, the modifier *V* is assigned to every detected result that is run in the same batch as a laboratory blank with positive results for that analyte. A *U* qualifier (reported as *less than* [*<*]) also is added if the analyte concentration is less than five times the concentration in the blank (or, for common laboratory contaminants, less than ten times).

Surrogates, organic compounds similar in chemical behavior to the compounds of interest but not normally found in environmental samples, are used to monitor the effect of the matrix on the accuracy of analyses for organic parameters. For example, for analyses of volatile organics by EPA Method 8240, three surrogate compounds are added to all samples and blanks in each analytical batch. In analyses of semivolatile organics by EPA Method 8270, three surrogates are required and an additional compound is advised for each fraction (acids and base/neutrals). Two surrogates are used in organochlorine pesticides analyses. Percent recoveries for surrogate analyses are calculated by laboratory personnel, reported to EPD/EMS, reviewed, and entered into the database. Beginning first quarter 1996, statistical summaries are published in the *Quality Control Samples* section of the EPD/EMS quarterly groundwater

monitoring report. If recoveries are not within specified limits, the laboratory is expected to reanalyze the samples or attach qualifiers to the data identifying the anomalous results.

Sample-specific accuracy for both organic and inorganic parameters can be assessed by examination of matrix spike/matrix spike duplicate results. A portion of the sample is analyzed unspiked to determine a baseline set of values. A second portion of the sample is spiked with known concentrations of compounds appropriate to the analyses being performed, typically five volatile organic compounds for volatile organics analyses, eleven semivolatile compounds for semivolatiles, six pesticide compounds for pesticides, all metals for metals analyses by SW-846 methods (EPA, 1986), and a known quantity of cyanide for cyanide analysis. The percentage of the spike compound that is recovered (i.e., measured in excess of the value obtained for the unspiked sample) is a direct measure of analytical accuracy. EPA requires matrix spike/matrix spike duplicates to be run at least once per 20 samples of similar matrix.

Matrix spike/matrix spike duplicate results are reported to EPD/EMS. Beginning first quarter 1996, spike results and a statistical summary are published in the *Quality Control Samples* section of the EPD/EMS quarterly groundwater monitoring report. For organic compounds, according to EPA guidelines, no action is taken on the basis of matrix spike/matrix spike duplicate data alone (i.e., no result modifiers are assigned solely on the basis of matrix spike results); however, the results can indicate if a laboratory is having a systemic problem in the analysis of one or more analytes.

In the case of inorganic compounds, such as metals, the matrix spike sample analysis provides information about the effect of each sample matrix on the digestion and measurement methodology. Data qualifiers assigned by the laboratories on the basis of the percentage of spike recovery are reported in the EPD/EMS results tables.

Assessment of Precision

Precision of the analyses, or agreement of a set of replicate results among themselves, is assessed through the use of duplicates initiated by the laboratory and blind replicates provided by EPD/EMS. The results of duplicate and replicate analyses are presented in results tables that report only one quarter of data. Results tables that include more than one quarter of data present only the highest result for each analyte for each quarter of the year.

The laboratories assess precision by calculating the relative percent difference (RPD) for each pair of laboratory-initiated duplicate results. The EMS data validators apply a data qualifier to the results of entire preparation batches of metals analyses when the RPD for laboratory duplicates is greater than 20 percent and either the difference between the two samples is greater than the contract-required detection limit (CRDL) or both sample results are greater than 5 times the CRDL. This qualifier is published in the EPD/EMS quarterly reports.

Additional statistical comparisons of laboratory duplicate and blind replicate results, both intra- and interlaboratory, are presented in the EPD/EMS quarterly reports. The calculation used for these reports is the mean relative difference (MRD), which is similar to EPA's RPD except that the MRD is the average of all the RPD values from one laboratory for each compound (intralaboratory MRD) or all the RPD values from all laboratories for each compound (interlaboratory MRD) during one quarter. Because detection limits may vary among samples, the MRD requires calculation of a reference detection limit, which is the detection limit at the 90th percentile of the array of limits in the population of all duplicate and replicate analyses for a given analyte during a particular quarter. The MRD is not method-specific.

Method-Specific Accuracy and Precision

The contract laboratories' EPA-approved laboratory procedures include QA/QC requirements as an integral part of the methods. Thus, knowledge of the method used in obtaining data is an important component of determining data usability. EPA has conducted extensive research and development on the methods approved for the analysis of water and wastewater. Information on the accuracy and precision of a method is available from EPA publications, as is full information on required QA/QC procedures. A listing of the methods used by the primary laboratories during fourth quarter 1995 is given below, along with the source for the method description. Many, if not all, of these sources include

presentations of representative accuracy and precision results. The EPD/EMS quarterly reports provide the methods used by the laboratories each quarter.

Table E-1. Methods Used by the Contract Laboratories

Method	Used to Analyze	Source
EICHROMTC1MOD ^a	Technetium isotopes	EiChrom Industries, Inc.; NA ^b
EMLAM01MOD	Americium, curium isotopes	DOE, 1992
EMLPU02MOD	Neptunium, plutonium isotopes	DOE, 1992
EMLSR02MOD	Strontium isotopes	DOE, 1992
EMLTH01MOD	Thorium isotopes	DOE, 1992
EMLU02MOD	Uranium isotopes	DOE, 1992
ENICMOD	Carbon-14	NA
EPA120.1	Specific conductance	EPA EMSL, 1983
EPA150.1	pH	EPA EMSL, 1983
EPA160.1	Total dissolved solids	EPA EMSL, 1983
EPA160.2	Total dissolved solids, total suspended solids	EPA EMSL, 1983
EPA180.1	Turbidity	EPA EMSL, 1983
EPA200.7	Metals	EPA EMSL, 1983
EPA245.1	Mercury	EPA EMSL, 1983
EPA300.0	Chloride, nitrite, sulfate, fluoride	EPA EMSL, 1983
EPA310.1	Alkalinity (as CaCO ₃)	EPA EMSL, 1983
EPA335.2	Cyanide	EPA EMSL, 1983
EPA335.3	Cyanide	EPA EMSL, 1983
EPA340.2	Fluoride	EPA EMSL, 1983
EPA350.1	Ammonia nitrogen	EPA EMSL, 1983
EPA350.3	Ammonia	EPA EMSL, 1983
EPA353.1	Nitrogen, nitrate-nitrite	EPA EMSL, 1983
EPA353.2	Nitrogen, nitrate, nitrite, or combined	EPA EMSL, 1983
EPA365.2	Phosphorus, all forms (reported as total phosphates)	EPA EMSL, 1983
EPA365.3	Phosphorus, all forms (reported as total phosphates)	EPA EMSL, 1983
EPA365.4	Phosphorus, all forms (reported as total phosphates)	EPA EMSL, 1983
EPA405.1	Five-day biochemical oxygen demand	EPA EMSL, 1983
EPA405.1/SM	Five-day biochemical oxygen demand	EPA EMSL, 1983
EPA410.4	Chemical oxygen demand	EPA EMSL, 1983
EPA415.1	Dissolved organic carbon, total inorganic carbon, total organic carbon	EPA EMSL, 1983
EPA418.1	Total petroleum hydrocarbons	EPA EMSL, 1983

Method	Used to Analyze	Source
EPA420.2	Phenols	EPA EMSL, 1983
EPA450.1	Total organic halogens	NA
EPA900.0MOD	Gross alpha, nonvolatile beta	EPA EMSL, 1980
EPA901.1MOD	Gamma PHA, iodine isotopes	EPA EMSL, 1980
EPA903.0MOD	Total alpha-emitting radium, radium isotopes	EPA EMSL, 1980
EPA904.0MOD	Radium isotopes	EPA EMSL, 1980
EPA906.0MOD	Tritium	EPA EMSL, 1980
EPA6010	Metals	EPA, 1986
EPA6010A	Metals	EPA, 1992
EPA7470	Mercury	EPA, 1986
EPA8080	Organochlorine pesticides and PCBs	EPA, 1986
EPA8150	Chlorinated herbicides	EPA, 1986
EPA8240	GCMS volatiles	EPA, 1986
EPA8260	GCMS volatiles	EPA, 1986
EPA8270	GCMS semivolatiles	EPA, 1986
EPA8280	Dioxins and furans	EPA, 1986
EPA9020A	Total organic halogens	EPA, 1986
EPA9020B	Total organic halogens	EPA, 1994b
EPA9060	Total inorganic carbon	EPA, 1986
EPIA-001 ^c	Gross alpha, nonvolatile beta	EP, 1996
EPIA-002 ^c	Tritium	EP, 1996
EPIA-003 ^c	Carbon-14	EP, 1996
EPIA-004 ^c	Strontium-90	EP, 1996
EPIA-005 ^c	Technetium-99	EP, 1996
EPIA-006 ^c	Iodine-129	EP, 1996
EPIA-008 ^c	Radium-226	EP, 1996
EPIA-009 ^c	Radium-228	EP, 1996
EPIA-010 ^c	Radium, total alpha-emitting	EP, 1996
EPIA-011 ^c	Americium, curium, uranium isotopes	EP, 1996
EPIA-012 ^c	Neptunium, plutonium, thorium isotopes	EP, 1996
EPIA-013 ^c	Gamma PHA	EP, 1996
EPIA-022 ^c	Nickel isotopes	EP, 1996
MMES16009MOD	Technetium-99	NA
3Q1-6-1420	Total activity, tritium	NA

^a MOD indicates modifications of applicable EPA, DOE, or other procedures.

^b NA = not available. Sources for some proprietary methods are not available.

^c The methods and detection limits used by GP are in-house methods based on applicable EPA, DOE, or other procedures. Complete method descriptions are available from GP.

Note: One of the labs reports the method for some metals determinations as CLP or CLP-MOD. This is presumed equivalent to Method 6010 or 6010A.

An example of method-specific QC information is that for EPA Method 8270 (EPA, 1986), which is used by both GE and Weston for analyses of semivolatile organics. The following table gives method-specific accuracy and precision as functions of concentration. Contract laboratories are expected to achieve or at least approach these limits.

Table E-2. Method Accuracy and Precision as Functions of Concentration for EPA Method 8270

Parameter	Accuracy, as recovery, x' ($\mu\text{g/L}$)	Single analyst precision, s_r' ($\mu\text{g/L}$)	Overall precision, S' ($\mu\text{g/L}$)
Acenaphthene	0.96C+0.19	0.15X-0.12	0.21X-0.67
Acenaphthylene	0.89C+0.74	0.24X-1.06	0.26X-0.54
Aldrin	0.78C+1.66	0.27X-1.28	0.43X+1.13
Anthracene	0.80C+0.68	0.21X-0.32	0.27X-0.64
Benzo[a]anthracene	0.88C-0.60	0.15X+0.93	0.26X-0.21
Benzo[b]fluoranthene	0.93C-1.80	0.22X+0.43	0.29X+0.96
Benzo[k]fluoranthene	0.87C-1.56	0.19X+1.03	0.35X+0.40
Benzo[g,h,i]perylene	0.98C-0.86	0.29X+2.40	0.51X-0.44
Benzo[a]pyrene	0.90C-0.13	0.22X+0.48	0.32X+1.35
β -BHC	0.87C-0.94	0.20X-0.58	0.30X+1.94
δ -BHC	0.29C-1.09	0.34X+0.86	0.93X+0.17
Bis(2-chloroethoxy) methane	1.12C-5.04	0.16X+1.34	0.26X+2.01
Bis(2-chloroethyl) ether	0.86C-1.54	0.35X-0.99	0.35X+0.10
Bis(2-chloroisopropyl) ether	1.03C-2.31	0.24X+0.28	0.25X+1.04
Bis(2-ethylhexyl) phthalate	0.84C-1.18	0.26X+0.73	0.36X+0.67
4-Bromophenyl phenyl ether	0.91C-1.34	0.13X+0.66	0.16X+0.66
Butylbenzyl phthalate	0.66C-1.68	0.18X+0.94	0.53X+0.92
4-Chloro-m-cresol	0.84C+0.35	0.23X+0.75	0.29X+1.31
Chloroethane	0.99C-1.53	0.14X-0.13	0.17X-0.28
2-Chloronaphthalene	0.89C+0.01	0.07X+0.52	0.13X+0.34
2-Chlorophenol	0.78C+0.29	0.18X+1.46	0.28X+0.97
4-Chlorophenyl phenyl ether	0.91C+0.53	0.20X-0.94	0.30X-0.46
Chrysene	0.93C-1.00	0.28X+0.13	0.33X-0.09
p,p'-DDD	0.56C-0.40	0.29X-0.32	0.66X-0.96
p,p'-DDE	0.70C-0.54	0.26X-1.17	0.39X-1.04
p,p'-DDT	0.79C-3.28	0.42X+0.19	0.65X-0.58

Parameter	Accuracy, as recovery, x' ($\mu\text{g/L}$)	Single analyst precision, s_r' ($\mu\text{g/L}$)	Overall precision, S' ($\mu\text{g/L}$)
Dibenz[a,h]anthracene	0.88C+4.72	0.30X+8.51	0.59X+0.25
Di-n-butyl phthalate	0.59C+0.71	0.13X+1.16	0.39X+0.60
1,2-Dichlorobenzene	0.80C+0.28	0.20X+0.47	0.24X+0.39
1,3-Dichlorobenzene	0.86C-0.70	0.25X+0.68	0.41X+0.11
1,4-Dichlorobenzene	0.73C-1.47	0.24X+0.23	0.29X+0.36
3,3'-Dichlorobenzidine	1.23C-12.65	0.28X+7.33	0.47X+3.45
2,4-Dichlorophenol	0.87C-0.13	0.15X+1.25	0.21X+1.28
Dieldrin	0.82C-0.16	0.20X-0.16	0.26X-0.07
Diethyl phthalate	0.43C+1.00	0.28X+1.44	0.52X+0.22
2,4-Dimethyl phenol	0.71C+4.41	0.16X+1.21	0.22X+1.31
Dimethyl phthalate	0.20C+1.03	0.54X+0.19	1.05X-0.92
2,4-Dinitrophenol	0.81C-18.04	0.38X+2.36	0.42X+26.29
2,4-Dinitrotoluene	0.92C-4.81	0.12X+1.06	0.21X+1.50
2,6-Dinitrotoluene	1.06C-3.60	0.14X+1.26	0.19X+0.35
Di-n-octyl phthalate	0.76C-0.79	0.21X+1.19	0.37X+1.19
Endosulfan sulfate	0.39C+0.41	0.12X+2.47	0.63X-1.03
Endrin aldehyde	0.76C-3.86	0.18X+3.91	0.73X-0.62
Fluoranthene	0.81C+1.10	0.22X-0.73	0.28X-0.60
Fluorene	0.90C-0.00	0.12X+0.26	0.13X+0.61
Heptachlor	0.87C-2.97	0.24X-0.56	0.50X-0.23
Heptachlor epoxide	0.92C-1.87	0.33X-0.46	0.28X+0.64
Hexachlorobenzene	0.74C+0.66	0.18X-0.10	0.43X-0.52
Hexachlorobutadiene	0.71C-1.01	0.19X+0.92	0.26X+0.49
Hexachloroethane	0.73C-0.83	0.17X+0.67	0.17X+0.80
Indeno[1,2,3-c,d]pyrene	0.78C-3.10	0.29X+1.46	0.50X-0.44
Isophorone	1.12C+1.41	0.27X+0.77	0.33X+0.26
2-Methyl-4,6-dinitrophenol	1.04C-28.04	0.10X+42.29	0.26X+23.10
Naphthalene	0.76C+1.58	0.21X-0.41	0.30X-0.68
Nitrobenzene	1.09C-3.05	0.19X+0.92	0.27X+0.21
2-Nitrophenol	0.07C-1.15	0.16X+1.94	0.27X+2.60
4-Nitrophenol	0.61C-1.22	0.38X+2.57	0.44X+3.24
N-Nitrosodi-n-propylamine	1.12C-6.22	0.27X+0.68	0.44X+0.47
PCB 1260	0.81C-10.86	0.35X+3.61	0.43X+1.82
Pentachlorophenol	0.93C+1.99	0.24X+3.03	0.30X+4.33
Phenanthrene	0.87C+0.06	0.12X+0.57	0.15X+0.25

Parameter	Accuracy, as recovery, x' ($\mu\text{g/L}$)	Single analyst precision, s_r' ($\mu\text{g/L}$)	Overall precision, S' ($\mu\text{g/L}$)
Phenol	$0.43C+1.26$	$0.26X+0.73$	$0.35X+0.58$
Pyrene	$0.84C-0.16$	$0.16X+0.06$	$0.15X+0.31$
1,2,4-Trichlorobenzene	$0.94C-0.79$	$0.15X+0.85$	$0.21X+0.39$
2,4,6-Trichlorophenol	$0.91C-0.18$	$0.16X+2.22$	$0.22X+1.81$

x' = Expected recovery for one or more measurements of a sample containing a concentration of C, in $\mu\text{g/L}$.

s_r' = Expected single analyst standard deviation of measurements at an average concentration of X, in $\mu\text{g/L}$.

S' = Expected interlaboratory standard deviation of measurements at an average concentration of X, in $\mu\text{g/L}$.

C = True value for the concentration, in $\mu\text{g/L}$.

X = Average recovery found for measurements of samples containing a concentration of C, in $\mu\text{g/L}$.

THIS PAGE LEFT BLANK INTENTIONALLY.

Appendix F

Time Series Plots

THIS PAGE LEFT BLANK INTENTIONALLY.

Trichloroethylene Concentrations Well BGO 1D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 3

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 5

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 6

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGO 7D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 8

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 9

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 10

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 11

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 12

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

MW/MF

F - 12

Fourth Quarter 1997 and 1997 Summary

Trichloroethylene Concentrations Well BGO 13DR

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 14

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGO 15D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 16

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGO 17DR

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 18

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGO 23D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 26

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 27

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGO 28D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 29

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 30

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 31

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGO 32D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 33

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 35

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 37

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGO 38D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 39

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGO 40D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGO 41A

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGO 42C

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 43

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 44

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 45

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 46

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 47

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 48

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 49

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 50

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 53

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGX 1

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGX 2

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGX 3D

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGX 4

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGX 5D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGX 7D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGX 8DR

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGX 10D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGX 12

Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

MWMF

F - 52

Fourth Quarter 1997 and 1997 Summary

Trichloroethylene Concentrations Well FSS 4D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well HMD 1D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

MWMF

F - 54

Fourth Quarter 1997 and 1997 Summary

Trichloroethylene Concentrations Well HMD 3D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGO 1D

Note: W=Water Table (1IB2); B=Barnwell (1IB1); M=McBean (1IB1); UC=Upper Congaree (1IA); MC=Middle Congaree (1IA); LC=Lower Congaree (1IA)

MW/MF

F - 56

Fourth Quarter 1997 and 1997 Summary

Tritium Activities Well BGO 2D

Note: W=Water Table (IIB2); B=Barwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 3

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGO 4D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 5

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGO 7D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 8

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 9

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 10

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 11

Tritium Activities Well Cluster BGO 12

Note: W=Water Table (11B2); B=Barnwell (11B1); M=McBean (11B1); UC=Upper Congaree (11A); MC=Middle Congaree (11A); LC=Lower Congaree (11A)

Tritium Activities Well BGO 13DR

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 14

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGO 15D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 16

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGO 17DR

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 18

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 19

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 20

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGO 21D

Note: W=Water Table (11B2); B=Bamwell (11B1); M=McBean (11B1); UC=Upper Congaree (11A); MC=Middle Congaree (11A); LC=Lower Congaree (11A)

F - 76

Fourth Quarter 1997 and 1997 Summary

MWMMF

Tritium Activities Well BGO 22DR

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

F - 77

Fourth Quarter 1997 and 1997 Summary

Tritium Activities Well BGO 23D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

F - 78

MWMF

Fourth Quarter 1997 and 1997 Summary

Tritium Activities Well BGO 24D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGO 25A

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 26

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 27

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGO 28D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 29

Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 30

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 31

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGO 32D

Tritium Activities Well Cluster BGO 33

Tritium Activities Well BGO 34D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 35

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGO 36D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 37

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGO 38D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

F - 94

Fourth Quarter 1997 and 1997 Summary

MWMMF

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGO 41A

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGO 42C

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 43

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 44

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 45

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 46

Unconnected data points indicate intervals of dry wells or values below the detection limit.
PDWS 20 pcil/mL

■ BGO 46D (W) ▼ BGO 46C (B) ◆ BGO 46B (M)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); MC=Middle Congaree (IIA); UC=Upper Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 47

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 48

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.
PDWS 20 pCi/mL

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 49

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 51

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 52

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 53

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGX 1

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGX 2

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

F - 110

Fourth Quarter 1997 and 1997 Summary

MWMF

Tritium Activities Well BGX 3D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGX 4

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGX 5D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGX 6D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGX 7D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGX 8DR

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGX 9D

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGX 10D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGX 11D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGX 12

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well FSS 1D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well FSS 2D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well FSS 3D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well FSS 4D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well HMD 1D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well HMD 2D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well HMD 3D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

F - 127

Fourth Quarter 1997 and 1997 Summary

Tritium Activities Well HMD 4D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

F - 128

Tritium Activities Well Cluster HSB 85

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

THIS PAGE LEFT BLANK INTENTIONALLY.

Appendix G

Hydrographs

THIS PAGE LEFT BLANK INTENTIONALLY.

Hydrograph Well BGO 1D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGO 2D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 3

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGO 4D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 5

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 6

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGO 7D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 8

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 9

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 10

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 11

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 12

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGO 13DR

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 14

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGO 15D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 16

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGO 17DR

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 18

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 19

Hydrograph Well Cluster BGO 20

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGO 21D

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGO 22DR

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGO 23D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGO 24D

Note: W=Water Table (IB2); S=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

MWMF

G - 26

Fourth Quarter 1997 and 1997 Summary

Hydrograph Well BGO 25A

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 26

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 27

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGO 28D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 29

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 30

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 31

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGO 32D

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 33

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGO 34D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 35

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGO 36D

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 37

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGO 38D

Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

MW/MF

G - 40

Fourth Quarter 1997 and 1997 Summary

Hydrograph Well Cluster BGO 39

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGO 40D

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGO 41A

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph
Well BGO 42C

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 43

Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph
Well Cluster BGO 44

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 45

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 46

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 47

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 48

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

MWMTF

G - 50

Fourth Quarter 1997 and 1997 Summary

Hydrograph Well Cluster BGO 49

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 50

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGO 51D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 52

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 53

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGX 1

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGX 2

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph
Well BGX 3D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGX 4

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGX 5D

Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

MW/MF

G - 60

Fourth Quarter 1997 and 1997 Summary

Hydrograph Well BGX 6D

Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGX 7D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGX 8DR

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGX 9D

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph
Well BGX 10D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGX 11D

Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IA); MC=Middle Congaree (IA); LC=Lower Congaree (IA)

Hydrograph Well Cluster BGX 12

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well FSS 1D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well FSS 2D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well FSS 3D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well FSS 4D

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well HMD 1D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well HMD 2D

Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well HMD 3D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well HMD 4D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster HSB 85

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)