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H-AREA HAZARDOUS WASTE MANAGEMENT FACILITY GROUNDWATER MONITORING REPORT (U)

THIRD AND FOURTH QUARTERS 1996

Volume I

Publication Date: March 1997

Authorized Derivative Classifier
and Reviewing Official:

UNCLASSIFIED
Does Not Contain Unclassified
Controlled Nuclear Information

Westinghouse Savannah River Company
Savannah River Site
Aiken, SC 29808

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

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Key Words

**HSB and HSL wells
nitrate as nitrogen
nonvolatile beta
total beta emitters
tritium**

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Executive Summary

The groundwater in the uppermost aquifer beneath the H-Area Hazardous Waste Management Facility (HWMF), also known as the H-Area Seepage Basins, at the Savannah River Site (SRS) is monitored periodically for various hazardous and radioactive constituents as required by Module III, Section D, of the 1995 Resource Conservation and Recovery Act (RCRA) Renewal Permit (South Carolina Hazardous and Mixed Waste Permit SC1-890-008-989), effective October 5, 1995 (hereafter called the permit). Currently, the H-Area HWMF monitoring network consists of 130 wells of the HSB series and 8 wells of the HSL series screened in the three hydrostratigraphic units that make up the uppermost aquifer beneath the H-Area HWMF (Figures 1–5, Appendix B, Volume I). This report presents the results of the required groundwater monitoring program as identified in provision IIDH.11.c.

As can be seen in Tables C-1 and C-2, the following 17 parameters exceeded the GWPS during the second half of 1996 in samples from monitoring wells at the H-Area HWMF: chromium, lead, mercury, nickel, nitrate as nitrogen, tin, dichloromethane (methylene chloride), tetrachloroethylene, trichloroethylene, gross alpha, nonvolatile beta, radium-226, radium-228, strontium-90, tritium, and the sums of both alpha- and beta-emitting radionuclides. By definition (as the sum of radium-226 and radium-228), total radium also exceeded its GWPS.

The following radionuclides individually exceeded the standard for either total alpha emitters or total beta emitters: americium-241, carbon-14, cobalt-60, iodine-129, nickel-63, technetium-99, uranium-233/234, uranium-235, and uranium-238.

Eighteen other parameters were reported at levels between the laboratory's detection limit and the GWPS: antimony, arsenic, barium, cadmium, cobalt, copper, selenium, silver, vanadium, zinc, benzene, bis(2-ethylhexyl)phthalate, trichlorofluoromethane, curium-243/244, plutonium-239/240, thorium-228, thorium-230, and thorium-232. Three constituents were not detected at all in any wells: cyanide, curium-242, and plutonium-238. At least one elevated constituent occurred in 87% of the Water Table wells, 69% of the Barnwell/McBean wells, and 25% of the Congaree wells.

Tritium was the primary constituent detected above the GWPS; it was elevated in 90 (65%) of the wells. Nitrate and both the sum of beta emitters and nonvolatile beta each were elevated in 30 or more wells. Mercury was the only metal that exceeded the GWPS in more than ten wells, and no organic constituent exceeded the GWPS in more than three wells during the second half of 1996.

Elevated constituents were found most often in Aquifer Zone IIB₂ (Water Table) and in the upper portion of Aquifer Zone IIB₁ (Barnwell/McBean). However, constituents exceeding standards also occurred in several wells screened in the lower portion of Aquifer Zone IIB₁ (Barnwell/McBean) and Aquifer Unit IIA (Congaree).

Isoconcentration or isoactivity cross-sections and maps included in Appendix B of Volume I and Volume II of this report, respectively, indicate both the concentration or activity and the extent of the primary contaminants in each of the three hydrostratigraphic units during the second half of 1996. Geologic cross sections in Appendix B of Volume I of this report indicate both the extent and depth of contamination in all of the hydrostratigraphic units during the period.

Tritium, the radionuclide most frequently above the GWPS at the H-Area HWMF, had a maximum activity of 1.2E+04 pCi/mL in Aquifer Zone IIB₁ (Barnwell/McBean) well HSB 86C during both third and fourth quarters 1996. Maximum activities for other key radionuclides all occurred in Aquifer Zone IIB₂ (Water Table) wells during third quarter and were as follows: nonvolatile beta, 3.4E+03 pCi/L in well HSB115D; iodine-129, 1.8E+02 pCi/L in HSB 114D; strontium-90, 1.4E+03 pCi/L in HSB115D; and gross alpha, 7.5E+01 pCi/L in HSB 141D.

Nitrate as nitrogen had a maximum concentration of 51,000 µg/L in Aquifer Zone IIB₁ (Barnwell/McBean) well HSB 86C during third quarter 1996. Mercury had a maximum concentration of 6.2 µg/L in Aquifer Zone IIB₂ (Water Table) well HSB105D during fourth quarter. Dichloromethane was reported above the GWPS at 43,000 µg/L in well HSB105D during third quarter.

Water-level maps indicate that the groundwater flow rates and directions at the H-Area HWMF have remained relatively constant since the basins ceased to be active in 1988. Groundwater flow in Aquifer Zone IIB₂ (Water Table) for third and fourth quarters 1996 was south or southeast and in Aquifer Zone IIB₁ (Barnwell/ McBean), south toward Fourmile Branch. Flow in Aquifer Unit IIA (Congaree) was northwest toward Upper Three Runs Creek.

The hydraulic conductivity constant for H Area has been revised based on recent aquifer testing. Using the new constant, the estimated maximum groundwater flow rates during the second half of 1996 ranged from approximately 620 to 800 ft/year during third quarter and from 660 to 840 ft/year during fourth quarter in Aquifer Zone IIB₂ (Water Table). In Aquifer Zone IIB₁ (Barnwell/McBean), flow rate estimates ranged from 190 to 260 ft/year during third quarter and from 200 to 290 ft/year during fourth quarter. The estimated flow rate in Aquifer Unit IIA (Congaree) was 350 ft/year for third quarter and 320 ft/year for fourth quarter 1996.

Annual Groundwater Monitoring Report

Introduction

SRS monitors groundwater quality at the H-Area HWMF as mandated by the permit, and SRS provides results of this monitoring to the South Carolina Department of Health and Environmental Control (SCDHEC) semiannually as required by the permit.

The facility is described in the introduction to Module III, Section D, of the permit. The H-Area HWMF well network monitors three distinct hydrostratigraphic units in the uppermost aquifer beneath the facility. The hydrostratigraphy at the H-Area HWMF is described in permit section IIID.H.2, and the groundwater monitoring system is described in IIID.H.4 and Appendix IIID-B. A detailed description of the uppermost aquifer is included in the RCRA Part B post-closure care permit application for the H-Area HWMF submitted to SCDHEC in December 1990.

Sampling and analysis are conducted as required by section IIID.H.6 at the intervals specified in permit sections IIID.H.10 and Appendix IIID-D for the constituents specified in Appendix IIID-D. Groundwater quality is compared to the GWPS list described in section IIID.H.1 and Appendix IIID-A.

Water Quality and Elevation Data Tables (IIIDH.11.c.i)

Analytical results and water elevations during the second half of 1996 are presented in this report (Tables C-1 and C-2, Appendix C, Volume I), as required in permit section IIID.H.11.c.i. Table C-1 lists all detected results during both quarters.

Table C-2 shows water elevations at sampling time, field parameter results, synchronous water elevations, and laboratory analytical data for all H-Area HWMF wells. Table C-2 also identifies the results that received certain modifiers (which help define laboratory accuracy and precision) or that exceeded EPA-approved holding times or the GWPS during the second half of 1996.

Constituent results in Table C-2 that appear to equal the GWPS but are not marked in the ST (exceeded GWPS) column are below the GWPS in the database, where results have more significant digits than the results given in this report. Apparent discrepancies thus are due to the rounding of reported results.

In addition to the results tables, Appendix C (Volume I) 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.

Well HSB 142D was dry during both third and fourth quarters 1996, so it does not appear in Table C-2. SRS is evaluating this well for possible replacement if it continues to run dry.

Variable-speed pumps have been installed in some new wells at the H-Area HWMF as well as in wells that have had a history of elevated analytical results for metals. Samples from wells with variable-speed pumps can be collected at a slower rate to minimize turbidity, which has been associated with elevated metals levels. Wells HSB 67, 68, 69, 84A, 84D, 86C, 86D, 101D, 102D, 103D, 104D, 105D, 106D, 107D, 108D, 110D, 111D, 111E, 112D, 112E, 113D, 114C, 114D, 116C, 116D, 117C, 125D, and 136D and all 8 HSL wells have variable-speed pumps. The remaining HSB wells have single-speed pumps.

Hydrographs (IIID.H.11.c.ii)

Hydrographs showing the water elevations for the H-Area HWMF wells, required by section IIID.H.11.c.ii of the permit, are provided in Appendix E (Volume I). Hydrograph data include

synchronous measurements and measurements taken during sampling. Clustered wells are shown on a single graph.

Time vs. Concentration Plots (IIID.H.11.c.iii)

Appendix D (Volume I) contains time series plots for gross alpha, iodine-129, mercury, nitrate (or nitrate/nitrite), nonvolatile beta, strontium-90, and tritium, as required in section IIID.H.11.c.iii of the permit, for selected wells. These wells were selected to delineate the extent of the constituent distribution, to monitor the migration of the constituents, and to follow trends of constituents present at high levels. Results reported as below detection are not plotted.

Isoconcentration Maps (IIID.H.11.c.iv)

Isoconcentration maps for iodine-129 and strontium-90 in the three hydrostratigraphic units during third quarter 1996 and for gross alpha, mercury, nitrate, nonvolatile beta, and tritium during fourth quarter 1996 are presented in Volume II. Isoconcentration maps are required by Section IIID.H.11.c.iv of the permit.

Potentiometric Maps (IIID.H.11.c.v)

Piezometric and potentiometric surface maps for the monitored water-bearing units during third and fourth quarters 1996 are located in Volume II. Synchronous water elevations measured within a 2-week time span were used to construct the piezometric and potentiometric maps. Piezometric and potentiometric surface maps are required by Section IIID.H.11.c.v of the permit.

Potentiometric and Isoconcentration Cross-Sections (IIID.H.11.c.vi)

Potentiometric cross-sections are located in Appendix B of Volume I. Isoconcentration cross-sections of iodine-129 and strontium-90 in the three hydrostratigraphic units during third quarter 1996 and for gross alpha, mercury, nitrate, nonvolatile beta, and tritium during fourth quarter 1996 also are located in Appendix B. These cross-sections are required by Section IIID.H.11.c.vi of the permit.

The permit specifies that the cross-sections be created using the most recent data. Well samples from all monitoring wells listed in Appendix IIID-B of the permit are analyzed for mercury, nitrate, gross alpha, nonvolatile beta, and tritium quarterly. Strontium-90 and iodine-129, however, are monitored for only annually in some wells and semiannually in others, as specified in permit Appendix IIID-D. The annual sampling for these constituents in all wells occurred during first quarter 1996, while the semiannual sampling was scheduled for third quarter for all point-of-compliance wells and those additional wells specified in Appendix IIID-D. Thus, some wells on the cross-sections for strontium-90 and iodine-129 are marked as NA (not applicable) because sampling was not required in those wells during the latter half of 1996.

Groundwater Flow Rates and Directions (III.D.H.11.c.vii)

As required by Section III.D.H.11.c.vii, the piezometric and potentiometric maps in Volume II illustrate groundwater flow patterns beneath the H-Area HWMF for third and fourth quarters 1996.

Horizontal flow rate calculations provide a basis for estimates of the transport rate of constituents originating from the H-Area HWMF. Flow rates in Aquifer Zone IIB₂ (Water Table) and Aquifer Zone IIB₁ (Barnwell/McBean) are calculated along two paths (designated flow paths A and B) to characterize the approximate maximum and minimum groundwater flow rates within these units in areas downgradient from the basins. The flow rate is calculated along a single flow path for Aquifer Unit IIA (Congaree).

Flow rates are estimated using the following equation:

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

The value dh is the difference in head, and dl is the length of the flow path. Flow path length is calculated to the nearest 100 ft for path B of Aquifer Zone IIB₁ (Barnwell/ McBean) and to the nearest 50 ft for the remaining flow paths. Maximum flow rate per day is calculated and rounded to two significant digits, then multiplied by 365 and rounded to two significant digits to obtain the flow rate per year. Flow rate estimates vary depending upon 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 these calculations are based on inferred or estimated parameters, flow rate estimates are accurate to an order of magnitude only.

Maximum horizontal flow rate estimates for the hydrostratigraphic units during third and fourth quarters 1996 are provided in the following table.

Table 1. Horizontal Groundwater Flow Rates (ft/year) in the Hydrostratigraphic Units beneath the H-Area HWMF

	Aquifer Zone IIB ₂ (Water Table)	Aquifer Zone IIB ₁ (Barnwell/McBean)	Aquifer Unit IIA (Congaree)
K_h (ft/day)	20–40	1.5–10	65
Effective porosity	20%	20%	20%
dh/dl	varies	varies	varies
Flow Rate (3Q96)	620–800	190–260	350
Flow Rate (4Q96)	660–840	200–290	320

These hydraulic conductivity values represent regional average hydraulic conductivities and are consistent with the conductivities used in the recent F-Area Model. Although the conductivity values are revised from those used in previous reports, no physical changes have occurred in the groundwater flow direction or rate. The new values represent the latest available information based on recent aquifer testing.

During third quarter 1996, flow in Aquifer Zone IIB₂ (Water Table) was south (flow path A) or south-east (flow path B) toward Fourmile Branch. During fourth quarter, flow in Aquifer Zone IIB₂ was south along both flow paths. Flow in Aquifer Zone IIB₁ (Barnwell/McBean) was south along both flow paths during both quarters. Flow in Aquifer Unit IIA (Congaree) was northwest toward Upper Three Runs Creek.

Extent and Severity of Groundwater Contamination (IIID.H.11.c.viii)

As required by permit Section IIID.H.11.viii, the extent and severity of groundwater contamination is delineated by the contours above the GWPS on the isoconcentration maps and cross-sections.

Tritium is the most widespread contaminant and exceeds the GWPS in all three aquifers (Figure B-13 and maps F-28–F-30). Elevated activities north of the basins are probably due to tritium sources in the burial grounds. The highest activities are downgradient of the basins in the Water Table and the Barnwell/McBean aquifer zones. Tritium is also present in the Water Table aquifer zone along the sewer line to the basins. Tritium is elevated in the Congaree aquifer unit below the western end of the basins.

Nitrate or nitrate-nitrite (as N) (maps F-16–F-18) is present in the Water Table and Barnwell/McBean aquifer zones under and south of the basins. Gross alpha (maps F-4–F-6),

uranium-234 (maps F-31–F-33), uranium-238 (maps F-34–F-36), and iodine-129 (maps F-7–F-9) are present in a few wells, mostly near the western end of the basins. Nonvolatile beta and strontium-90 (maps F-19–F-24) are present in the Water Table aquifer zone below and south of the basins. Nonvolatile beta is also present to a lesser extent in the Barnwell/McBean aquifer zone. Technetium-99 (maps F-25–F-27) is present in the Water Table and Barnwell/McBean aquifer zones below and south of the western end of the basins. Mercury (maps F-13–F-15) is present in the Water Table aquifer zone below and south of the eastern end of the basins.

Statistical Evaluation of Water Quality and Elevation Data (IIIC.H.11.c.ix)

This section is not required until corrective action is underway.

Water Quality and Elevation Data (IIID.H.11.c.x)

Analytical Results

Before reporting, all data received from the contracted laboratories are validated and verified according to EMS and EPA guidelines.

In the analytical results tables,

- Curium-245/246 activities are reported as an upper limit of curium-246 activities, and uranium-233/234 activities are reported as an upper limit of uranium-234, due to analytical limitations.
- Results for radium-226 and radium-228 are reported to meet the requirement for total radium.
- The activity limit for the sum of beta dose (<4 mrem/yr) was assumed to be <50 pCi/L.

Results for analytes that exceeded the GWPS (see Appendix A, Volume I) during third and fourth quarters 1996 in the H-Area HWMF wells are noted in Tables C-1 and C-2 (Appendix C, Volume I).

During the second half of 1996, 17 parameters with distinct standards exceeded the GWPS in wells at the H-Area HWMF: chromium, lead, mercury, nickel, nitrate as nitrogen, tin, dichloromethane (methylene chloride), tetrachloroethylene, trichloroethylene, gross alpha, nonvolatile beta, radium-226, radium-228, strontium-90, tritium, and the sums of both alpha- and beta-emitting radionuclides. By definition (as the sum of radium-226 and radium-228), total radium also exceeded its GWPS.

The following radionuclides individually exceeded the standard for either total alpha emitters or total beta emitters: americium-241, carbon-14, cobalt-60, iodine-129, nickel-63, technetium-99, uranium-233/234, uranium-235, and uranium-238.

Eighteen other parameters were reported at levels between the laboratory's detection limit and the GWPS: antimony, arsenic, barium, cadmium, cobalt, copper, selenium, silver, vanadium, zinc, benzene, bis(2-ethylhexyl)phthalate, trichlorofluoromethane, curium-243/244, plutonium-239/240, thorium-228, thorium-230, and thorium-232. Three constituents were not detected at all in any wells: cyanide, curium-242, and plutonium-238.

The most contaminated well in the Water Table aquifer zone, based on the number of constituents for which it contained the highest results during at least one quarter, is HSB 115D (five constituents, including radionuclides, nitrate, and trichloroethylene). In the Barnwell/McBean aquifer zone, well HSB 86C contained the highest results for four constituents (radionuclides and nitrate), and in the Congaree aquifer unit, wells HSB118A and 122A contained the highest results for three constituents each.

Appendix IX Results

Provision IIID.H.10.c of the permit requires annual sampling of at least twenty percent of the POC wells at the facility for constituents in Appendix IX of SCHWMMR R.61-79.264. The wells to be

sampled are determined by a ranking of all POC wells based on concentration and activities of tritium, nonvolatile beta, gross alpha, and mercury. Ranking of the POC wells was performed for each aquifer zone based on the most recent available final data at the time of ranking. The ranking generated a listing of the most contaminated POC wells in each aquifer zone weighted towards the permit-specific constituents. The wells selected for third quarter 1996 sampling were HSB101D, HSB105D, HSB107D, HSB113D, HSB114D, HSB115D, HSB115C, and HSB119A. Most of the wells proposed for sampling were screened in the Water Table aquifer zone (IIB₂) due to the disproportionate amount of contamination in that zone relative to the Barnwell-McBean (IIB₁) and Congaree (IIA) zones. Selection of these wells was proposed to the Department (letter, J.W. Cook to C.L. Devlin, ESH-CGP-96-400) and approved (letter, October 22, 1996, C.L. Devlin to J.W. Cook and R.D. Baker).

Sampling was performed in the third quarter of 1996. The final data were reported to SRS on February 25, 1997. Data below a valid detection limit and detections for constituents already on the permitted Groundwater Protection Standards List are not reported in this section. Excluding constituents already on the Groundwater Protection Standards List, no Appendix IX constituents were detected above detection limits in H-Area. Therefore, no further action is required.

Background Results

Wells HSB 66, 83A, and 85B are the background wells for the H-Area HWMF. No parameters exceeded GWPS in wells HSB 83A and 85B, and only tritium exceeded GWPS in HSB 66 during the second half of 1996. Tritium exceeded the GWPS of 20 pCi/mL during both third (at 33 pCi/mL) and fourth (at 25 pCi/mL) quarters 1996. Tritium has been above its GWPS during the third and fourth quarters of every year since 1993 and during second quarter 1995. During this four-year period, tritium has never been reported above its GWPS in samples taken during first quarter, raising the possibility that its presence is related to seasonal recharge. SRS is investigating the significance of these exceedances to HSB 66's status as a background well.

Water Elevations

Synchronous water elevations were measured on September 16, 17, and 20 during third quarter 1996 and on December 11, 12, and 16 during fourth quarter 1996 in compliance with permit condition IIID.H.7. Wells HSB 109D and 114C during fourth quarter and well HSB 152D during both quarters had no water in the standpipe, preventing measurement of water-level elevations. SRS is evaluating these wells for repair or possible replacement.

Average synchronous water elevations in the three hydrostratigraphic units beneath the H-Area HWMF for the past four quarters are shown in the following table.

Table 2. Average Water Elevations (ft msl) in the Hydrostratigraphic Units beneath the H-Area HWMF

Unit	1Q96	2Q96	3Q96	4Q96
Aquifer Zone IIB ₂ (Water Table)	224.58	224.65	225.01	224.20
Aquifer Zone IIB ₁ (Barnwell/McBean) ^a	217.26	216.58	216.78	215.97
Aquifer Unit IIA (Congaree)	174.12	171.60	171.23	171.07

^a The averages include water elevations from wells in the upper and lower portions of Aquifer Zone IIB₁ (Barnwell/McBean).

Although Aquifer Zone IIB₂ (Water Table) and Aquifer Zone IIB₁ (Barnwell/McBean) had relatively constant water levels throughout 1996, during first quarter 1996 Aquifer IIA (Congaree) had a water

level more than 2.5 ft higher than any during the following three quarters, during which time the water levels fluctuated less than .75 ft.

During third quarter 1996, the average water elevation in Aquifer Zone IIB₂ (Water Table) rose 0.36 ft compared to second quarter 1996; the average water level in Aquifer Zone IIB₁ (Barnwell/McBean) rose 0.20 ft; and the average water level in Aquifer Unit IIA (Congaree) fell 0.37 ft.

During fourth quarter 1996, the average water elevation in Aquifer Zone IIB₂ (Water Table) fell 0.81 ft compared to third quarter 1996; the average water level in Aquifer Zone IIB₁ (Barnwell/McBean) fell 0.81 ft; and the average water level in Aquifer Unit IIA (Congaree) fell 0.16 ft.

A consistent downward vertical head relationship exists between the hydrostratigraphic zones and units monitored at the H-Area HWMF (WSRC, 1992a). Flow potential is downward from Aquifer Zone IIB₂ (Water Table) to Aquifer Zone IIB₁ (Barnwell/McBean), although at several well clusters the head difference is very small, and downward from Aquifer Zone IIB₁ (Barnwell/McBean) to Aquifer Unit IIA (Congaree). These hydrostratigraphic zones have exhibited consistent head relationships since 1988. There are no wells screened in the lower portion of Aquifer Unit IIA (Congaree) to evaluate the head relationship in this unit.

As in previous quarters, the presence of several constituents at levels exceeding the GWPS in one or more wells in Aquifer Unit IIA (Congaree) indicates that vertical pathways into the deeper water-bearing units exist at the H-Area HWMF. The groundwater flow model developed for the General Separations Area indicates that the vertical component beneath this area is important as a constituent pathway.

Volume and Rates of Groundwater Pumped (IIID.H.11.c.xi)

This section is not required until corrective action is underway.

Volume and Rates of Groundwater Injected (IIID.H.11.c.xii)

This section is not required until corrective action is underway.

Rainfall and Recharge (IIID.H.11.c.xiii)

Rainfall data for the period of this report, required by section IIID.H.11.c.xiii of the permit, are presented below. Rainfall in H Area (200-H) for the second half of 1996 is compared with the SRS average rainfall for the same period and to the SRS historical average rainfall.

Table 3. Rainfall (in.) during Third and Fourth Quarters of 1996

	H-Area (200-H) Rainfall (1996)	SRS Average Rainfall (1996)	SRS Average Rainfall (historical)
Third Quarter	17.0	14.07	14.06
Fourth Quarter	6.5	5.81	9.28
Third and Fourth Quarters	23.5	19.88	23.34
1996 Total	44.5	37.83	48.53

Recharge to groundwater is 30% of rainfall in the General Separations Area.

Summary of System Downtime (IIID.H.11.c.xiv)

This section is not required until corrective action is underway.

Modifications to the System (IIID.H.11.c.xv)

This section is not required until corrective action is underway.

Effectiveness of the Corrective Action System (IIID.H.11.c.xvi)

This section is not required until corrective action is underway.

Errata

This report

Outdated background levels were used as standards in the creation of the data tables in Appendix C of this report. The values for the specified constituents analyzed during third quarter 1996 in the following wells are listed correctly in Tables C-1 and C-2 but are not marked as exceeding their background standard.

Well	Constituent	Concentration	Qualifier
HSB105D	Cobalt	8.2 µg/L	V
HSB112E	Cobalt	4.2 µg/L	
HSB113D	Cobalt	6.3 µg/L	
HSB114D	Cobalt	11 µg/L	V
HSB115D	Cobalt	44 µg/L	
HSB136D	Cobalt	8.2 µg/L	V
HSB103C	Cobalt	13 µg/L	V
HSB114C	Cobalt	3.6 µg/L	J
HSB116C	Cobalt	9.5 µg/L	
HSB 117C	Cobalt	5.4 µg/L	
HSB150D	Vanadium	7.2 µg/L	J

Appendix A

Groundwater Protection Standard

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Table A-1. Groundwater Protection Standard

Established for the H-Area Hazardous Waste Management Facility by the 1995 RCRA Renewal Permit (SCDHEC, 1995).

Analyte	Concentration/ Activity Limit	Unit
<i>Inorganic Constituents</i>		
Antimony	6	µg/L
Arsenic	50	µg/L
Barium	2,000	µg/L
Cadmium	5	µg/L
Chromium	100	µg/L
Cobalt	2.94 ^a	µg/L
Copper	1,300	µg/L
Cyanide	20 ^b	µg/L
Lead	15	µg/L
Mercury	2	µg/L
Nickel	100	µg/L
Nitrate	10,000	µg/L
Selenium	50	µg/L
Silver	50	µg/L
Tin	2.63 ^a	µg/L
Vanadium	4.06 ^a	µg/L
Zinc	5,000	µg/L
<i>Organic Constituents</i>		
Benzene	5	µg/L
Bis(2-ethylhexyl) phthalate	10 ^c	µg/L
Dichloromethane (Methylene chloride)	5	µg/L
Tetrachloroethylene	5	µg/L
Trichloroethylene	5	µg/L
Trichlorofluoromethane	5 ^d	µg/L
<i>Radionuclide Constituents</i>		
Gross alpha	15	pCi/L
Nonvolatile beta	50 ^f	pCi/L
Radium, total (radium-226 and -228)	5	pCi/L
Tritium	20,000	pCi/L
Americium-241	Sum of alphas <15 pCi/L	pCi/L
Carbon-14	Sum of beta dose <4 mrem/yr and <50 pCi/L	pCi/L
Cobalt-60	Sum of beta dose <4 mrem/yr and <50 pCi/L	pCi/L
Curium-242	Sum of alphas <15 pCi/L	pCi/L
Curium-243/244	Sum of alphas <15 pCi/L	pCi/L
Curium-246	Sum of alphas <15 pCi/L	pCi/L
Iodine-129	Sum of beta dose <4 mrem/yr and <50 pCi/L	pCi/L

Analyte	Concentration/ Activity Limit	Unit
Plutonium-238	Sum of alphas <15 pCi/L	pCi/L
Plutonium-239/240	Sum of alphas <15 pCi/L	pCi/L
Radium-226	Total radium <5 pCi/L	pCi/L
Radium-228	Sum of beta dose <4 mrem/yr and <50 pCi/L and total radium <5 pCi/L	pCi/L
Strontium-90	Sum of beta dose <4 mrem/yr and <50 pCi/L and strontium-90 <8 pCi/L	pCi/L
Technetium-99	Sum of beta dose <4 mrem/yr and <50 pCi/L	pCi/L
Thorium-228	Sum of alphas <15 pCi/L	pCi/L
Thorium-230	Sum of alphas <15 pCi/L	pCi/L
Thorium-232	Sum of alphas <15 pCi/L	pCi/L
Uranium-233/234	Sum of alphas <15 pCi/L	pCi/L
Uranium-234	Sum of alphas <15 pCi/L	pCi/L
Uranium-235	Sum of alphas <15 pCi/L	pCi/L
Uranium-238	Sum of alphas <15 pCi/L	pCi/L
Nickel-63 ^a	Sum of beta dose <4 mrem/yr and <50 pCi/L	pCi/L

-
- ^a Concentrations are observed background levels.
- ^b Concentration is the practical quantitation limit (PQL) for EPA Method 335.2 (used by WA) and 335.3 (used by GE). This PQL is the contract-required PQL for WA and GE.
- ^c Concentration is the Appendix IX PQL for EPA Method 8270 as well as the contract-required PQL for GE and WA.
- ^d Concentration is the Appendix IX PQL for EPA Method 8240 as well as the contract-required PQL for GE and WA.
- ^e The activity of nickel-63 is calculated based on the activity of cobalt-60 until development of a reliable analytical method as required by permit condition IIIC.H.6.f.
- ^f This is the screening level above which providers of public drinking water should perform analyses for specific man-made radionuclides. The standard for the total dose equivalent from all such radionuclides is 4 mrem/yr.

Appendix B

Figures

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Figure 1. Location of the H-Area HWMF at the Savannah River Site

Figure 2. Location of the Groundwater Monitoring Wells at the H-Area HWMF

Figure 4. Location of Aquifer Zone IIB₁ (Barnwell/McBean) Groundwater Monitoring Wells at the H-Area HWMF

Figure 5. Location of Aquifer Unit IIA (Congaree) Groundwater Monitoring Wells at the H-Area HWMF

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Appendix C

Groundwater Monitoring Results Tables

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Key to Reading the Tables

The following abbreviations may appear in the data tables:

Constituents

Sp. conductance specific conductance

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; for water-level events only
W	purged water must be containerized; only 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., 1.1E-09 = 1.1×10^{-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

A constituent result in the analytical results tables that is not marked in the *ST* column but appears to equal an Appendix A standard is below the standard 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*. All lettered modifiers except *E* are based on EPA's STORET codes.

Modifiers

(Blank)	Data are not qualified. Numbers should be interpreted exactly as reported.
E	The detected result is between the sample-specific EQL and the method detection limit.
I	The value in the result field is the instrument reading, not the sample quantitation limit. Always used with the result qualifier U.
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.

Sampling Dates

Samples for field data are collected once each quarter, but samples for analytical data may be collected more than once each quarter. Because the results tables present the highest analytical results for each quarter, the date of collection for reported analytical results may not coincide with the date of collection for field data.

Table C-1. Constituents Detected in Groundwater During the Second Half of 1996

<i>Constituent</i>	<i>Unit</i>	<i>3Q96</i>	<i>Mod</i>	<i>Std</i>	<i>4Q96</i>	<i>Mod</i>	<i>Std</i>
Aquifer Zone IIB₂ (Water Table)							
WELL HSB 65							
Gross alpha	pCi/L	1.7E+00			8.5E-01		
Mercury	µg/L	0.079	J		0.67	V	
Nitrate-nitrite as nitrogen	µg/L	2,700	V		2,800	V	
Nonvolatile beta	pCi/L	1.1E+00			1.3E+00		
Tritium	pCi/mL	2.6E+01		■	2.3E+01		■
WELL HSB 65C							
Gross alpha	pCi/L	2.4E+00			2.5E+00		
Mercury	µg/L	0.015	J		1.4	V	
Nitrate-nitrite as nitrogen	µg/L	3,100	V		4,100	V	
Nonvolatile beta	pCi/L	1.4E+00			5.3E+00		
Tritium	pCi/mL	2.6E+01		■	2.4E+01		■
WELL HSB 66							
Gross alpha	pCi/L	1.8E+00			6.3E-01		
Nitrate-nitrite as nitrogen	µg/L	2,800	V		2,000	V	
Nonvolatile beta	pCi/L	1.4E+00					
Tritium	pCi/mL	3.3E+01		■	2.5E+01		■
WELL HSB 67							
Gross alpha	pCi/L	2.9E+01		■	2.4E+01		■
Mercury	µg/L	3.1	V	■	2.9		■
Nitrate-nitrite as nitrogen	µg/L	9,000	V		8,300	V	
Nonvolatile beta	pCi/L	1.2E+03		■	1.3E+03		■
Tritium	pCi/mL	7.2E+02		■	4.8E+02		■
WELL HSB 68							
Gross alpha	pCi/L	4.3E+01		■	4.8E+01		■
Mercury	µg/L	2.4	V	■	4.0		■
Nitrate-nitrite as nitrogen	µg/L	18,000		■	14,000	V	■
Nonvolatile beta	pCi/L	3.2E+03		■	3.1E+03		■
Tritium	pCi/mL	4.6E+02		■	3.6E+02		■
WELL HSB 69							
Gross alpha	pCi/L	6.4E+00			2.9E+00		
Mercury	µg/L	0.19	JV		0.21		
Nitrate-nitrite as nitrogen	µg/L	3,800			3,400	V	
Nonvolatile beta	pCi/L	7.1E+02		■	6.3E+02		■
Tritium	pCi/mL	4.2E+01		■	4.5E+01		■
WELL HSB 70							
Gross alpha	pCi/L	2.1E+00			1.5E+00		
Nitrate-nitrite as nitrogen	µg/L	730	V		1,200		
Nonvolatile beta	pCi/L	1.0E+01			1.2E+01		
Tritium	pCi/mL	4.1E+01		■	4.0E+01		■

Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
WELL HSB 71							
Gross alpha	pCi/L	7.5E-01			6.8E-01	J	
Nitrate-nitrite as nitrogen	µg/L	1,300	V		1,800	V	
Nonvolatile beta	pCi/L	1.7E+00			1.7E+00		
Tritium	pCi/mL	1.2E+02		■	1.0E+02		■
WELL HSB 83D							
Gross alpha	pCi/L	1.4E+00			2.3E+00		
Mercury	µg/L	0.17	J				
Nitrate-nitrite as nitrogen	µg/L	4,700	V		3,800		
Nonvolatile beta	pCi/L	1.4E+01			1.6E+01		
Tritium	pCi/mL	2.0E+02		■	4.5E+02		■
WELL HSB 84D							
Barium	µg/L	5.3	V				
Carbon-14	pCi/L	1.1E+01					
Chromium	µg/L	1.2	J				
Cobalt	µg/L	1.3	J				
Cobalt-60	pCi/L	7.4E+00					
Copper	µg/L	1.6	J				
Gross alpha	pCi/L	1.8E+00					
Mercury	µg/L	0.077	J				
Nickel-63	pCi/L	7.4E+00					
Nitrate-nitrite as nitrogen	µg/L	3,100			2,400	V	
Nonvolatile beta	pCi/L	2.9E+02		■	6.2E+01		■
Strontium-90	pCi/L	1.6E+02		■			
Total alpha emitters	pCi/L	4.5E-01					
Total beta emitters	pCi/L	1.8E+02		■			
Tritium	pCi/mL	2.3E+02		■	2.1E+02		■
Uranium-233/234	pCi/L	4.5E-01					
Vanadium	µg/L	0.50	J				
Zinc	µg/L	7.1					
WELL HSB 85C							
Barium	µg/L				9.2	V	
Chromium	µg/L				0.61	J	
Copper	µg/L				24		
Gross alpha	pCi/L	2.3E+00	J		1.4E+00		
Nitrate-nitrite as nitrogen	µg/L	2,400			2,600	V	
Nonvolatile beta	pCi/L	2.0E+00			1.6E+00		
Tritium	pCi/mL	8.7E+00			8.6E+00		
WELL HSB 86D							
Gross alpha	pCi/L	3.5E+01		■	4.6E+01		■
Mercury	µg/L	0.42					
Nitrate-nitrite as nitrogen	µg/L	35,000	JV	■	30,000	V	■
Nonvolatile beta	pCi/L	2.3E+03	V	■	2.6E+03		■
Tritium	pCi/mL	5.6E+03		■	4.9E+03		■
WELL HSB100D							
Arsenic	µg/L	2.1	J				
Barium	µg/L	24					
Carbon-14	pCi/L	1.4E+01					

Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
Cobalt	µg/L	0.43	J				
Copper	µg/L	43	V				
Gross alpha	pCi/L	3.8E+00			3.2E+00		
Lead	µg/L	6.5					
Mercury	µg/L				0.051	J	
Nickel	µg/L	1.4	J				
Nitrate-nitrite as nitrogen	µg/L	6,100	V		5,300	V	
Nonvolatile beta	pCi/L	6.9E+01		■	7.2E+01		■
Radium-226	pCi/L	2.9E+00	J				
Strontium-90	pCi/L	3.2E+01		■			
Total alpha emitters	pCi/L	2.8E-01					
Total beta emitters	pCi/L	4.6E+01					
Tritium	pCi/mL	2.6E+02		■	2.3E+02		■
Uranium-233/234	pCi/L	2.8E-01					
Vanadium	µg/L	0.64	J				
Zinc	µg/L	42					

WELL HSB101D

Arsenic	µg/L	7.2					
Barium	µg/L	1.9	JV				
Carbon-14	pCi/L	3.6E+02	JV				
Gross alpha	pCi/L	2.8E+00			7.3E-01	J	
Iodine-129	pCi/L	4.4E+00					
Mercury	µg/L	4.3		■	4.9	V	■
Nitrate-nitrite as nitrogen	µg/L	42,000	JV	■	47,000		■
Nonvolatile beta	pCi/L	3.8E+01	V		9.4E+00		
Strontium-90	pCi/L	1.0E+01	V	■			
Technetium-99	pCi/L	1.0E+02					
Total alpha emitters	pCi/L	8.4E+00					
Total beta emitters	pCi/L	4.8E+02		■			
Tritium	pCi/mL	5.3E+03		■	5.6E+03		■
Uranium-233/234	pCi/L	3.8E+00					
Uranium-235	pCi/L	3.7E-01					
Uranium-238	pCi/L	4.3E+00					
Vanadium	µg/L	41	V				
Zinc	µg/L	3.5	J				

WELL HSB102D

Americium-241	pCi/L	2.0E-01					
Arsenic	µg/L	2.1	J				
Barium	µg/L	29					
Cadmium	µg/L	0.21	J				
Carbon-14	pCi/L	9.9E+01	V				
Chromium	µg/L	2.4	J				
Cobalt	µg/L	2.7	J				
Cobalt-60	pCi/L	3.6E+01					
Copper	µg/L	37					
Gross alpha	pCi/L	7.2E+01		■	4.7E+01		■
Iodine-129	pCi/L	4.3E+00					
Lead	µg/L	41		■			
Mercury	µg/L	4.5		■	0.32	V	
Nickel	µg/L	12					
Nickel-63	pCi/L	3.6E+01					
Nitrate-nitrite as nitrogen	µg/L	17,000	V	■	12,000	V	■
Nonvolatile beta	pCi/L	2.9E+03		■	1.0E+03		■
Plutonium-239/240	pCi/L	3.1E-01					
Radium-226	pCi/L	4.5E+00					

Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
Radium-228	pCi/L	5.6E+00		■			
Strontium-90	pCi/L	9.8E+02	V	■			
Technetium-99	pCi/L	4.8E+01	J				
Total alpha emitters	pCi/L	6.6E+01		■			
Total beta emitters	pCi/L	1.2E+03		■			
Trichloroethylene	µg/L	23		■			
Tritium	pCi/mL	3.2E+03		■	1.2E+03		■
Uranium-233/234	pCi/L	3.1E+01	V				
Uranium-235	pCi/L	1.9E+00					
Uranium-238	pCi/L	3.3E+01	V				
Vanadium	µg/L	0.92	J				
Zinc	µg/L	66					
WELL HSB103D							
Barium	µg/L	18	V				
Cobalt-60	pCi/L	7.3E+00					
Gross alpha	pCi/L	8.6E+00			6.6E+00		
Iodine-129	pCi/L	7.5E+00					
Lead	µg/L	1.4	J				
Mercury	µg/L	1.5			1.4	V	
Nickel	µg/L	2.7	J				
Nickel-63	pCi/L	7.3E+00					
Nitrate-nitrite as nitrogen	µg/L	15,000	JV	■	18,000	V	■
Nonvolatile beta	pCi/L	6.6E+02	V	■	6.8E+02		■
Radium-226	pCi/L	5.3E+00	V	■			
Radium-228	pCi/L	1.2E+00					
Selenium	µg/L	1.5	J				
Strontium-90	pCi/L	2.7E+02	V	■			
Technetium-99	pCi/L	3.1E+01					
Total alpha emitters	pCi/L	8.4E-01					
Total beta emitters	pCi/L	3.2E+02		■			
Tritium	pCi/mL	1.7E+03		■	1.7E+03		■
Uranium-233/234	pCi/L	6.9E-01					
Uranium-238	pCi/L	1.5E-01					
Zinc	µg/L	6.3					
WELL HSB104D							
Barium	µg/L	17	V				
Cadmium	µg/L	0.15	J				
Carbon-14	pCi/L	2.6E+01					
Chromium	µg/L	2.9	J				
Cobalt	µg/L	1.5	J				
Cobalt-60	pCi/L	6.5E+00					
Copper	µg/L	7.5	V				
Gross alpha	pCi/L	6.2E+00			7.9E+00		
Iodine-129	pCi/L	2.3E+00	J				
Mercury	µg/L	1.9	V		1.3	JV	
Nickel	µg/L	3.5	J				
Nickel-63	pCi/L	6.5E+00					
Nitrate-nitrite as nitrogen	µg/L	5,200	V		6,100	V	
Nonvolatile beta	pCi/L	5.7E+02		■	7.8E+02		■
Radium-226	pCi/L	2.4E+00	V				
Radium-228	pCi/L	2.1E+00					
Selenium	µg/L	1.5	J				
Strontium-90	pCi/L	3.7E+02		■			
Thorium-230	pCi/L	2.7E-01					
Total alpha emitters	pCi/L	9.1E-01					

Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
Total beta emitters	pCi/L	4.1E+02		■			
Tritium	pCi/mL	5.0E+02		■	3.1E+02		■
Uranium-233/234	pCi/L	6.4E-01					
Zinc	µg/L	11					
WELL HSB105D							
Barium	µg/L	19	V				
Cadmium	µg/L	0.75	JV				
Chromium	µg/L	12	V				
Cobalt	µg/L	8.2	V				
Cobalt-60	pCi/L	2.4E+01					
Dichloromethane	µg/L	43,000	V	■			
Gross alpha	pCi/L	1.2E+01			1.1E+01		
Iodine-129	pCi/L	1.1E+01					
Lead	µg/L	1.8	J				
Mercury	µg/L	4.8		■	6.2	V	■
Nickel	µg/L	13					
Nickel-63	pCi/L	2.4E+01					
Nitrate-nitrite as nitrogen	µg/L	11,000	JV	■	12,000	V	■
Nonvolatile beta	pCi/L	1.7E+03	V	■	1.3E+03		■
Radium-226	pCi/L	9.9E+00	V	■			
Radium-228	pCi/L	3.2E+00					
Selenium	µg/L	4.6	J				
Strontium-90	pCi/L	7.3E+02	V	■			
Technetium-99	pCi/L	2.6E+01					
Total alpha emitters	pCi/L	1.0E+00					
Total beta emitters	pCi/L	7.9E+02		■			
Tritium	pCi/mL	1.2E+03		■	1.4E+03		■
Uranium-233/234	pCi/L	6.8E-01					
Uranium-238	pCi/L	3.2E-01					
Zinc	µg/L	35					
WELL HSB106D							
Americium-241	pCi/L	1.1E-01					
Barium	µg/L	20	V				
Carbon-14	pCi/L	1.4E+01					
Chromium	µg/L	2.8	J				
Cobalt	µg/L	2.9	J				
Cobalt-60	pCi/L	3.6E+00					
Copper	µg/L	6.7	V				
Curium-243/244	pCi/L	1.7E-01					
Gross alpha	pCi/L	4.0E+00			4.1E+00		
Mercury	µg/L	0.58	V				
Nickel	µg/L	3.9	J				
Nickel-63	pCi/L	3.6E+00					
Nitrate-nitrite as nitrogen	µg/L	8,500	V		7,400	V	
Nonvolatile beta	pCi/L	5.6E+02		■	3.4E+02		■
Radium-228	pCi/L	2.5E+00					
Strontium-90	pCi/L	3.5E+02		■			
Thorium-228	pCi/L	2.6E-01					
Thorium-230	pCi/L	2.3E-01					
Total alpha emitters	pCi/L	2.5E+00					
Total beta emitters	pCi/L	3.7E+02		■			
Tritium	pCi/mL	2.7E+02		■	2.1E+02		■
Uranium-233/234	pCi/L	1.2E+00					
Uranium-235	pCi/L	2.0E-01					
Uranium-238	pCi/L	3.3E-01	V				

Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
Zinc	µg/L	14					
WELL HSB107D							
Barium	µg/L	29	V				
Cobalt-60	pCi/L	1.0E+01					
Dichloromethane	µg/L	14,000	V	■			
Gross alpha	pCi/L	4.1E+00			4.4E+00		
Iodine-129	pCi/L	6.3E+00					
Mercury	µg/L	3.1		■	3.9	V	■
Nickel	µg/L	1.5	J				
Nickel-63	pCi/L	1.0E+01					
Nitrate-nitrite as nitrogen	µg/L	26,000	JV	■	18,000	V	■
Nonvolatile beta	pCi/L	7.4E+02	V	■	4.7E+02		■
Radium-228	pCi/L	2.1E+00					
Strontium-90	pCi/L	4.8E+02	V	■			
Technetium-99	pCi/L	6.8E+01					
Total beta emitters	pCi/L	5.6E+02		■			
Tritium	pCi/mL	1.1E+03		■	9.1E+02		■
Zinc	µg/L	11					
WELL HSB108D							
Barium	µg/L	17	V				
Cobalt-60	pCi/L	2.2E+01					
Copper	µg/L	19	V				
Gross alpha	pCi/L	7.3E+00			1.8E+00		
Iodine-129	pCi/L	3.6E+00					
Mercury	µg/L	2.7		■	0.72	JV	
Nickel	µg/L	6.8	J				
Nickel-63	pCi/L	2.2E+01					
Nitrate-nitrite as nitrogen	µg/L	7,000	JV		7,300	V	
Nonvolatile beta	pCi/L	9.7E+02	V	■	5.5E+01		■
Strontium-90	pCi/L	3.7E+02	V	■			
Thorium-232	pCi/L	1.1E-01					
Total alpha emitters	pCi/L	1.1E-01					
Total beta emitters	pCi/L	4.0E+02		■			
Tritium	pCi/mL	3.7E+02		■	2.6E+02		■
Zinc	µg/L	29					
WELL HSB109D							
Barium	µg/L	20	V				
Cadmium	µg/L	0.24	J				
Carbon-14	pCi/L	1.0E+01					
Cobalt	µg/L	1.5	J				
Cobalt-60	pCi/L	6.1E+00					
Copper	µg/L	13	V				
Gross alpha	pCi/L	4.9E+00			3.0E+00		
Iodine-129	pCi/L	2.5E+00	J				
Lead	µg/L	3.7	J				
Mercury	µg/L	0.65	V		0.56	JV	
Nickel	µg/L	2.9	J				
Nickel-63	pCi/L	6.1E+00					
Nitrate-nitrite as nitrogen	µg/L	3,000	V		3,000	V	
Nonvolatile beta	pCi/L	2.5E+02		■	2.3E+02		■
Radium-226	pCi/L	2.2E+00	V				
Strontium-90	pCi/L	1.3E+02		■			
Total alpha emitters	pCi/L	4.2E-01					

Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
Total beta emitters	pCi/L	1.5E+02		■			
Tritium	pCi/mL	4.2E+01		■	3.9E+01		■
Uranium-233/234	pCi/L	4.2E-01					
Zinc	µg/L	16					
WELL HSB110D							
Barium	µg/L	4.7					
Chromium	µg/L	0.91	J				
Cobalt	µg/L	1.6	J				
Copper	µg/L	4.7	V				
Gross alpha	pCi/L	1.4E+00			1.8E+00		
Nickel	µg/L	1.9	J				
Nitrate-nitrite as nitrogen	µg/L	1,900	V		1,700	V	
Nonvolatile beta	pCi/L	7.6E+01		■	9.2E+01		■
Radium-228	pCi/L	3.0E+00					
Strontium-90	pCi/L	4.2E+01		■			
Total beta emitters	pCi/L	4.5E+01					
Tritium	pCi/mL	2.0E+01			1.8E+01		
Zinc	µg/L	15					
WELL HSB111D							
Arsenic	µg/L	3.1	J				
Barium	µg/L	19					
Chromium	µg/L	2.2	J				
Cobalt	µg/L	1.4	J				
Copper	µg/L	4.8					
Curium-243/244	pCi/L	4.5E-01					
Gross alpha	pCi/L	3.5E+00					
Mercury	µg/L				0.071	J	
Nickel	µg/L	2.6	J				
Nitrate-nitrite as nitrogen	µg/L	25,000	JV	■	26,000		■
Nonvolatile beta	pCi/L	3.5E+01					
Radium-226	pCi/L	2.2E+00					
Technetium-99	pCi/L	1.3E+02					
Total alpha emitters	pCi/L	1.3E+00					
Total beta emitters	pCi/L	1.3E+02		■			
Tritium	pCi/mL	4.7E+03	J	■	4.1E+03		■
Uranium-233/234	pCi/L	3.7E-01					
Uranium-238	pCi/L	4.8E-01					
Vanadium	µg/L	0.38	J				
Zinc	µg/L	9.8					
WELL HSB111E							
Barium	µg/L	6.4	V				
Benzene	µg/L	2.0	R				
Carbon-14	pCi/L	1.7E+01					
Chromium	µg/L	1.9	J				
Cobalt	µg/L	0.74	J				
Cobalt-60	pCi/L	5.9E+00					
Copper	µg/L	5.6	V				
Gross alpha	pCi/L	3.9E+00			5.3E+00		
Nickel	µg/L	1.9	J				
Nickel-63	pCi/L	5.9E+00					
Nitrate-nitrite as nitrogen	µg/L	3,700			3,500	V	
Nonvolatile beta	pCi/L	2.1E+02		■	2.1E+02		■
Strontium-90	pCi/L	1.3E+02		■			

Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
Tetrachloroethylene	µg/L	2.0	R1				
Thorium-230	pCi/L	2.2E-01					
Total alpha emitters	pCi/L	8.4E-01					
Total beta emitters	pCi/L	1.5E+02		■			
Trichloroethylene	µg/L	2.0	R1				
Tritium	pCi/mL	9.2E+02		■	8.4E+02		■
Uranium-233/234	pCi/L	6.2E-01					
Zinc	µg/L	11					
WELL HSB112D							
Barium	µg/L	1.6	J				
Chromium	µg/L	1.4	J				
Cobalt	µg/L	1.2	J				
Copper	µg/L	3.3	J				
Iodine-129	pCi/L	7.2E+00					
Mercury	µg/L	0.071			0.056	J	
Nitrate-nitrite as nitrogen	µg/L	11,000	JV	■	11,000		■
Nonvolatile beta	pCi/L	8.2E+00			6.5E+00		
Radium-226	pCi/L	7.0E-01					
Selenium	µg/L	1.5	J				
Strontium-90	pCi/L	1.0E+00					
Technetium-99	pCi/L	3.0E+01					
Total beta emitters	pCi/L	3.8E+01					
Tritium	pCi/mL	2.1E+03	J	■	2.1E+03		■
Vanadium	µg/L	0.26	J				
Zinc	µg/L	3.3	J				
WELL HSB112E							
Barium	µg/L	15					
Cadmium	µg/L	0.91	J				
Chromium	µg/L	1.7	J				
Cobalt	µg/L	4.2					
Cobalt-60	pCi/L	5.2E+00					
Copper	µg/L	23					
Gross alpha	pCi/L	3.6E+00			1.4E+00		
Lead	µg/L	2.5	J				
Nickel	µg/L	5.2	J				
Nickel-63	pCi/L	5.2E+00					
Nitrate-nitrite as nitrogen	µg/L	5,400	V		3,900	V	
Nonvolatile beta	pCi/L	1.0E+02		■	5.5E+01		■
Radium-226	pCi/L	2.3E+00					
Selenium	µg/L	2.9	J				
Strontium-90	pCi/L	6.0E+01		■			
Thorium-230	pCi/L	3.4E-01					
Tin	µg/L	1.2	J				
Total alpha emitters	pCi/L	7.5E-01					
Total beta emitters	pCi/L	6.5E+01		■			
Tritium	pCi/mL	1.5E+02		■	1.3E+02		■
Uranium-233/234	pCi/L	2.8E-01					
Uranium-238	pCi/L	1.3E-01					
Vanadium	µg/L	0.27	J				
Zinc	µg/L	26	V				
WELL HSB113D							
Barium	µg/L	58					
Cadmium	µg/L	0.28	J				

Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
Carbon-14	pCi/L	6.7E+02	V				
Chromium	µg/L	1.1	J				
Cobalt	µg/L	6.3					
Cobalt-60	pCi/L	6.2E+01					
Copper	µg/L	18					
Curium-243/244	pCi/L	1.0E+00					
Gross alpha	pCi/L	3.1E+01		■	2.6E+01		■
Iodine-129	pCi/L	4.1E+01					
Lead	µg/L	2.5	J				
Mercury	µg/L	0.79					
Nickel	µg/L	9.6	J				
Nickel-63	pCi/L	6.2E+01					
Nitrate-nitrite as nitrogen	µg/L	34,000	V	■	13,000	V	■
Nonvolatile beta	pCi/L	1.2E+03		■	1.3E+03		■
Plutonium-239/240	pCi/L	1.7E-01					
Radium-226	pCi/L	1.2E+01		■			
Radium-228	pCi/L	7.1E+00		■			
Strontium-90	pCi/L	4.9E+02	V	■			
Technetium-99	pCi/L	6.9E+01	J				
Total alpha emitters	pCi/L	1.3E+00					
Total beta emitters	pCi/L	1.3E+03		■			
Tritium	pCi/mL	2.4E+03		■	2.9E+03		■
Uranium-235	pCi/L	1.4E-01					
Zinc	µg/L	68					

WELL HSB114D

Americium-241	pCi/L	4.8E-01					
Barium	µg/L	47	V				
Carbon-14	pCi/L	1.2E+02	JV				
Chromium	µg/L	12	V				
Cobalt	µg/L	11	V				
Cobalt-60	pCi/L	3.9E+01					
Copper	µg/L	14	V				
Dichloromethane	µg/L	28	V	■			
Gross alpha	pCi/L	2.0E+01		■	2.0E+01		■
Iodine-129	pCi/L	1.8E+02					
Lead	µg/L	2.0	J				
Mercury	µg/L	0.81					
Nickel	µg/L	16					
Nickel-63	pCi/L	3.9E+01					
Nitrate-nitrite as nitrogen	µg/L	29,000	JV	■	33,000	V	■
Nonvolatile beta	pCi/L	9.7E+02	V	■	1.3E+03		■
Plutonium-239/240	pCi/L	2.1E-01					
Radium-226	pCi/L	1.2E+01	V	■			
Radium-228	pCi/L	7.9E+00		■			
Selenium	µg/L	2.7	J				
Strontium-90	pCi/L	4.5E+02	V	■			
Technetium-99	pCi/L	5.4E+01					
Total alpha emitters	pCi/L	3.7E+00					
Total beta emitters	pCi/L	8.5E+02		■			
Tritium	pCi/mL	5.1E+03		■	5.9E+03		■
Uranium-233/234	pCi/L	2.1E+00					
Uranium-238	pCi/L	8.9E-01					
Zinc	µg/L	49					

WELL HSB115D

Barium	µg/L	190					
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Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
Cadmium	µg/L	3.6					
Carbon-14	pCi/L	1.6E+03	V				
Chromium	µg/L	1.2	J				
Cobalt	µg/L	44					
Cobalt-60	pCi/L	1.1E+02					
Copper	µg/L	26					
Gross alpha	pCi/L				3.7E+01		■
Iodine-129	pCi/L	3.3E+01					
Lead	µg/L	34		■			
Mercury	µg/L	0.17	J				
Nickel	µg/L	48					
Nickel-63	pCi/L	1.1E+02					
Nitrate-nitrite as nitrogen	µg/L	47,000	JV	■	33,000	V	■
Nonvolatile beta	pCi/L	3.4E+03	V	■	3.1E+03		■
Radium-226	pCi/L	1.6E+01		■			
Radium-228	pCi/L	1.3E+01		■			
Strontium-90	pCi/L	1.4E+03	V	■			
Technetium-99	pCi/L	5.8E+01	J				
Total alpha emitters	pCi/L	2.1E+00					
Total beta emitters	pCi/L	3.3E+03		■			
Trichloroethylene	µg/L	26		■			
Tritium	pCi/mL	4.8E+03		■	5.3E+03		■
Uranium-233/234	pCi/L	2.1E+00	V				
Vanadium	µg/L	0.36	J				
Zinc	µg/L	100					

WELL HSB116D

Antimony	µg/L	2.3	J				
Barium	µg/L	43					
Cadmium	µg/L	0.52	J				
Chromium	µg/L	2.0	J				
Cobalt	µg/L	2.7	J				
Cobalt-60	pCi/L	3.5E+01					
Copper	µg/L	7.3					
Gross alpha	pCi/L	1.9E+01	J	■	8.9E+00		
Lead	µg/L	5.4					
Mercury	µg/L	0.079	J				
Nickel	µg/L	4.3	J				
Nickel-63	pCi/L	3.5E+01					
Nitrate-nitrite as nitrogen	µg/L	10,000	V	■	9,800	V	
Nonvolatile beta	pCi/L	1.8E+03	J	■	1.1E+03		■
Radium-226	pCi/L	4.6E+00	J				
Radium-228	pCi/L	1.4E+01		■			
Selenium	µg/L	4.5	J				
Strontium-90	pCi/L	1.1E+03		■			
Total alpha emitters	pCi/L	1.1E+00					
Total beta emitters	pCi/L	1.2E+03		■			
Tritium	pCi/mL	6.6E+01		■	7.2E+01		■
Uranium-233/234	pCi/L	9.1E-01					
Uranium-238	pCi/L	1.6E-01					

WELL HSB117D

Mercury	µg/L	0.020	J				
Nitrate-nitrite as nitrogen	µg/L	870	V		680	V	
Tritium	pCi/mL	2.2E+01		■	1.8E+01		

Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
WELL HSB125D							
Barium	µg/L	8.3					
Carbon-14	pCi/L	7.5E+02	V				
Cobalt	µg/L	0.65	J				
Dichloromethane	µg/L	2.8	J				
Gross alpha	pCi/L				1.3E+00		
Mercury	µg/L	1.7			1.2		
Nitrate-nitrite as nitrogen	µg/L	16,000	JV	■	16,000		■
Nonvolatile beta	pCi/L	4.8E+00			8.9E+00		
Radium-226	pCi/L	8.0E-01					
Strontium-90	pCi/L	1.4E+00					
Technetium-99	pCi/L	1.7E+01					
Total beta emitters	pCi/L	7.7E+02		■			
Tritium	pCi/mL	1.5E+03		■	1.3E+03		■
WELL HSB126D							
Barium	µg/L	67					
Cadmium	µg/L	0.11	J				
Chromium	µg/L	3.4	J				
Cobalt	µg/L	1.9	J				
Copper	µg/L	4.3	V				
Gross alpha	pCi/L				8.4E-01		
Iodine-129	pCi/L	1.1E+01					
Lead	µg/L	5.4					
Mercury	µg/L	4.0		■	1.3		
Nickel	µg/L	4.9	JV				
Nitrate-nitrite as nitrogen	µg/L	39,000	V	■	38,000		■
Nonvolatile beta	pCi/L	5.9E+00			7.0E+00		
Radium-226	pCi/L	8.9E-01					
Technetium-99	pCi/L	3.6E+01					
Total beta emitters	pCi/L	4.7E+01					
Tritium	pCi/mL	2.2E+03		■	1.9E+03		■
WELL HSB127D							
Barium	µg/L	8.2					
Cadmium	µg/L	0.33	J				
Cobalt	µg/L	1.4	J				
Copper	µg/L	6.1	V				
Gross alpha	pCi/L	2.1E+00			2.7E+00	J	
Iodine-129	pCi/L	8.3E+00					
Mercury	µg/L	4.7		■	3.4	J	■
Nitrate-nitrite as nitrogen	µg/L				10,000	V	■
Nonvolatile beta	pCi/L	2.2E+01			1.3E+01	JV3	
Radium-226	pCi/L	1.2E+00					
Strontium-90	pCi/L	1.1E+01		■			
Technetium-99	pCi/L	2.6E+01					
Total alpha emitters	pCi/L	3.5E+00					
Total beta emitters	pCi/L	4.4E+01					
Tritium	pCi/mL	1.3E+03		■	1.1E+03		■
Uranium-233/234	pCi/L	3.5E+00	V				
WELL HSB129D							
Gross alpha	pCi/L	2.6E+00			2.5E+00		
Mercury	µg/L	0.37			0.081	J	
Nitrate-nitrite as nitrogen	µg/L	22,000	JV	■	19,000		■

Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
Nonvolatile beta	pCi/L	3.9E+01			5.1E+01		■
Tritium	pCi/mL	2.3E+03	J	■	1.9E+03		■
WELL HSB130D							
Nitrate-nitrite as nitrogen	µg/L	590			920	V	
Nonvolatile beta	pCi/L	1.8E+00					
Tritium	pCi/mL	6.9E+00			6.5E+00		
WELL HSB131D							
Gross alpha	pCi/L				9.0E-01		
Nitrate-nitrite as nitrogen	µg/L	890			520	V	
Nonvolatile beta	pCi/L	2.0E+00			1.9E+00		
Tritium	pCi/mL	7.3E+00			7.6E+00		
WELL HSB132D							
Gross alpha	pCi/L	9.1E-01			9.5E-01		
Nitrate-nitrite as nitrogen	µg/L	1,000	V		830	V	
Nonvolatile beta	pCi/L	1.6E+00			1.3E+00		
Tritium	pCi/mL	1.5E+01			1.5E+01		
WELL HSB133D							
Nitrate-nitrite as nitrogen	µg/L	1,000			750	V	
Tritium	pCi/mL	1.8E+01			1.6E+01		
WELL HSB134D							
Barium	µg/L	63					
Cadmium	µg/L	0.28	J				
Carbon-14	pCi/L	1.3E+02					
Cobalt	µg/L	2.6	J				
Copper	µg/L	19					
Gross alpha	pCi/L	3.8E+00	J		8.1E+00		
Iodine-129	pCi/L	7.1E+00					
Lead	µg/L	3.7	J				
Mercury	µg/L	0.49			1.4		
Nitrate-nitrite as nitrogen	µg/L				15,000	V	■
Nonvolatile beta	pCi/L	1.7E+02		■	8.7E+02		■
Radium-226	pCi/L	1.6E+00	J				
Radium-228	pCi/L	1.3E+00					
Strontium-90	pCi/L	9.9E+01		■			
Total alpha emitters	pCi/L	7.8E-01					
Total beta emitters	pCi/L	2.3E+02		■			
Tritium	pCi/mL	6.6E+02		■	9.0E+02		■
Uranium-233/234	pCi/L	7.8E-01					
WELL HSB135D							
Gross alpha	pCi/L				1.1E+00		
Mercury	µg/L	0.047	J				
Nitrate-nitrite as nitrogen	µg/L	2,300			2,500	V	
Nonvolatile beta	pCi/L	3.5E+00			7.3E+00		
Tritium	pCi/mL	4.0E+01		■	4.5E+01		■

Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
WELL HSB136D							
Americium-241	pCi/L	1.8E+01					
Arsenic	µg/L	3.9	J				
Barium	µg/L	77					
Cadmium	µg/L	0.65	J				
Carbon-14	pCi/L	6.7E+01	V				
Cobalt	µg/L	8.2	V				
Cobalt-60	pCi/L	6.4E+01					
Copper	µg/L	12					
Gross alpha	pCi/L	5.6E+01		■	2.4E+01		■
Iodine-129	pCi/L	6.1E+01					
Mercury	µg/L	0.041	J		1.7	V	
Nickel	µg/L	13					
Nickel-63	pCi/L	6.4E+01					
Nitrate-nitrite as nitrogen	µg/L	27,000	V	■	22,000	V	■
Nonvolatile beta	pCi/L	1.6E+03		■	1.5E+03		■
Radium-226	pCi/L	2.1E+01		■			
Radium-228	pCi/L	8.7E+00		■			
Strontium-90	pCi/L	8.5E+02		■			
Technetium-99	pCi/L	5.5E+01					
Total alpha emitters	pCi/L	2.1E+01		■			
Total beta emitters	pCi/L	1.1E+03		■			
Tritium	pCi/mL	4.3E+03		■	3.7E+03		■
Uranium-233/234	pCi/L	2.7E+00					
Uranium-238	pCi/L	6.4E-01					
Zinc	µg/L	56	J				
WELL HSB137D							
Gross alpha	pCi/L	5.0E+00					
Mercury	µg/L	0.041	J				
Nitrate-nitrite as nitrogen	µg/L	19,000	JV	■			
Nonvolatile beta	pCi/L	9.8E+01		■			
Tritium	pCi/mL	3.6E+03		■			
WELL HSB138D							
Mercury	µg/L				0.23	JV	
Nitrate-nitrite as nitrogen	µg/L	590	V		4,400	V	
Nonvolatile beta	pCi/L				1.8E+00		
Tritium	pCi/mL	1.8E+01			1.5E+02		■
WELL HSB139D							
Gross alpha	pCi/L	2.5E+00			2.8E+00		
Mercury	µg/L	0.41			0.57	JV	
Nitrate-nitrite as nitrogen	µg/L	7,600	V		7,500	V	
Nonvolatile beta	pCi/L	4.3E+01			4.5E+01		
Tritium	pCi/mL	8.6E+02		■	1.3E+03		■
WELL HSB140D							
Mercury	µg/L				0.22	JV	
Nitrate-nitrite as nitrogen	µg/L	720			580	V	
Nonvolatile beta	pCi/L				1.5E+00		
Tritium	pCi/mL	1.1E+01			1.1E+01		

Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
WELL HSB141D							
Gross alpha	pCi/L	7.5E+01		■	2.2E+01		■
Mercury	µg/L	0.092	J				
Nitrate-nitrite as nitrogen	µg/L	720	V		560	V	
Nonvolatile beta	pCi/L	5.3E+01		■	1.1E+01		
Tritium	pCi/mL	1.6E+01			1.5E+01		
WELL HSB143D							
Gross alpha	pCi/L	1.4E+00			1.2E+00		
Mercury	µg/L				0.26	V	
Nitrate-nitrite as nitrogen	µg/L	540	V		750	V	
Nonvolatile beta	pCi/L	3.2E+00					
Tritium	pCi/mL	1.1E+01			1.1E+01		
WELL HSB145D							
Gross alpha	pCi/L	4.7E+01		■	3.7E+01		■
Mercury	µg/L	2.8		■	2.7	V	■
Nitrate-nitrite as nitrogen	µg/L	33,000	JV	■	33,000	V	■
Nonvolatile beta	pCi/L	4.0E+02		■	4.4E+02		■
Tritium	pCi/mL	3.4E+03	J	■	3.3E+03		■
WELL HSB146D							
Gross alpha	pCi/L	2.9E+00					
Nitrate-nitrite as nitrogen	µg/L	720	V		690	V	
Nonvolatile beta	pCi/L	2.5E+00					
Tritium	pCi/mL				1.2E+01		
WELL HSB147D							
Gross alpha	pCi/L	1.7E+00					
Mercury	µg/L				0.20	JV	
Nitrate-nitrite as nitrogen	µg/L	530			340	V	
Tritium	pCi/mL	1.3E+01			1.2E+01		
WELL HSB148D							
Gross alpha	pCi/L	1.9E+00			3.1E+00		
Nitrate-nitrite as nitrogen	µg/L	160	V		260	V	
Nonvolatile beta	pCi/L	2.1E+00			4.3E+00		
Tritium	pCi/mL	1.2E+01			1.2E+01		
WELL HSB149D							
Gross alpha	pCi/L	5.9E-01					
Mercury	µg/L	0.13	J				
Nitrate-nitrite as nitrogen	µg/L	440	V		470	V	
Nonvolatile beta	pCi/L	1.5E+00					
Tritium	pCi/mL	1.9E+01			2.4E+01		■
WELL HSB150D							
Barium	µg/L	8.6					
Chromium	µg/L	18					
Cobalt	µg/L	0.39	J				
Copper	µg/L	35					

Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
Gross alpha	pCi/L	1.7E+00			7.3E-01		
Lead	µg/L	14					
Mercury	µg/L	0.047	J		0.31	V	
Nickel	µg/L	12	V				
Nitrate-nitrite as nitrogen	µg/L	380	V		740	V	
Nonvolatile beta	pCi/L	1.8E+00			2.1E+00		
Radium-226	pCi/L	1.6E+00	J				
Radium-228	pCi/L	1.3E+00					
Strontium-90	pCi/L	1.2E+00					
Total beta emitters	pCi/L	2.5E+00					
Tritium	pCi/mL	5.3E+00			6.9E+01		■
Vanadium	µg/L	7.2	J				
WELL HSB151D							
Gross alpha	pCi/L				6.7E-01		
Nitrate-nitrite as nitrogen	µg/L	1,300	V		2,400	V	
Nonvolatile beta	pCi/L	1.4E+00			2.1E+00		
Tritium	pCi/mL	6.9E+01		■	9.5E+01		■
WELL HSB152D							
Gross alpha	pCi/L	1.3E+01					
Nitrate-nitrite as nitrogen	µg/L	1,600	V				
Nonvolatile beta	pCi/L	1.1E+01					
Tritium	pCi/mL	1.7E+02		■			
WELL HSL 1D							
Gross alpha	pCi/L	4.7E+00	J		5.3E+00		
Mercury	µg/L	0.50					
Nitrate as nitrogen	µg/L	4,600					
Nitrate-nitrite as nitrogen	µg/L				4,000	V	
Nonvolatile beta	pCi/L	1.4E+01	J		1.3E+01		
Tritium	pCi/mL	1.8E+02		■	1.3E+02		■
WELL HSL 2D							
Gross alpha	pCi/L	7.9E-01	J				
Nitrate as nitrogen	µg/L	940					
Nitrate-nitrite as nitrogen	µg/L				1,200	V	
Nonvolatile beta	pCi/L	5.4E+00	J		1.3E+00		
Tritium	pCi/mL	5.0E+01		■	4.1E+01		■
WELL HSL 3D							
Gross alpha	pCi/L	3.8E+00	J		3.4E+00		
Nitrate as nitrogen	µg/L	330					
Nitrate-nitrite as nitrogen	µg/L				460	V	
Nonvolatile beta	pCi/L	5.1E+00	J		2.5E+00		
Tritium	pCi/mL	2.9E+01		■	2.7E+01		■
WELL HSL 4D							
Gross alpha	pCi/L				5.0E+00		
Nitrate-nitrite as nitrogen	µg/L				810	V	
Nonvolatile beta	pCi/L				7.9E+01		■
Tritium	pCi/mL				1.3E+01		

Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
WELL HSL 5D							
Gross alpha	pCi/L	9.4E+00			1.2E+01		
Mercury	µg/L	0.23					
Nitrate as nitrogen	µg/L	2,700					
Nitrate-nitrite as nitrogen	µg/L				820	V	
Nonvolatile beta	pCi/L	6.0E+01		■	1.9E+01		
Tritium	pCi/mL	7.1E+00			3.1E+00		
WELL HSL 6D							
Gross alpha	pCi/L	9.3E+00			5.1E+00		
Mercury	µg/L	0.66					
Nitrate as nitrogen	µg/L	940					
Nitrate-nitrite as nitrogen	µg/L				4,100	V	
Nonvolatile beta	pCi/L	5.5E+01		■	6.6E+01		■
Tritium	pCi/mL	2.0E+01		■	3.9E+01		■
WELL HSL 7D							
Gross alpha	pCi/L				3.3E+00		
Mercury	µg/L	0.019	J				
Nitrate as nitrogen	µg/L	2,700					
Nitrate-nitrite as nitrogen	µg/L				3,400	V	
Nonvolatile beta	pCi/L				2.8E+00		
Tritium	pCi/mL	3.4E+01		■	3.0E+01		■
WELL HSL 8D							
Gross alpha	pCi/L	1.5E+00			2.4E+00		
Mercury	µg/L	0.16	J		2.0	V	
Nitrate as nitrogen	µg/L	6,700					
Nitrate-nitrite as nitrogen	µg/L				9,300	V	
Nonvolatile beta	pCi/L	9.5E+00			8.9E+00		
Tritium	pCi/mL	2.0E+02		■	2.1E+02		■
Aquifer Zone IIB₁ (Barnwell/McBean)							
WELL HSB 68C							
Gross alpha	pCi/L	1.2E+00			2.8E+00		
Mercury	µg/L	0.68			2.4	JV	■
Nitrate-nitrite as nitrogen	µg/L	13,000	JV	■	11,000		■
Nonvolatile beta	pCi/L	1.3E+01			1.5E+01		
Tritium	pCi/mL	3.2E+03		■	2.6E+03		■
WELL HSB 70C							
Barium	µg/L	94	V				
Carbon-14	pCi/L	2.7E+02	JV				
Chromium	µg/L	3.0	J				
Cobalt	µg/L	0.83	J				
Gross alpha	pCi/L	2.6E+00			7.5E+00		
Lead	µg/L	2.9	J				
Mercury	µg/L	1.2			0.13	J	
Nickel	µg/L	1.6	J				
Nitrate-nitrite as nitrogen	µg/L	26,000	JV	■	38,000		■
Nonvolatile beta	pCi/L	9.5E+01		■	9.3E+01		■
Radium-228	pCi/L	2.2E+00					

Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
Strontium-90	pCi/L	6.8E-01					
Technetium-99	pCi/L	2.2E+02					
Total beta emitters	pCi/L	4.9E+02		■			
Tritium	pCi/mL	3.3E+03		■	4.6E+03		■
Vanadium	µg/L	0.83	J				
Zinc	µg/L	21					
WELL HSB 71C							
Gross alpha	pCi/L	3.8E+00			2.3E+00		
Mercury	µg/L	1.2			0.13	J	
Nitrate-nitrite as nitrogen	µg/L	25,000	JV	■	25,000		■
Nonvolatile beta	pCi/L	4.8E+01			1.5E+01		
Tritium	pCi/mL	3.4E+03		■	3.1E+03		■
WELL HSB 83C							
Gross alpha	pCi/L				5.5E-01		
Mercury	µg/L	0.42	V				
Nitrate-nitrite as nitrogen	µg/L	290	V		230		
WELL HSB 84C							
Gross alpha	pCi/L	5.3E-01			9.1E-01		
Mercury	µg/L				0.020	J	
Nitrate-nitrite as nitrogen	µg/L	2,700			3,000	V	
Nonvolatile beta	pCi/L	4.7E+00			1.0E+01		
Tritium	pCi/mL	4.6E+02		■	4.4E+02		■
WELL HSB 86C							
Gross alpha	pCi/L	2.5E+01		■	2.7E+01		■
Mercury	µg/L	0.69			0.89	JV	
Nitrate-nitrite as nitrogen	µg/L	51,000	JV	■	47,000	V	■
Nonvolatile beta	pCi/L	1.2E+03	V	■	1.5E+02		■
Tritium	pCi/mL	1.2E+04		■	1.2E+04		■
WELL HSB100C							
Americium-241	pCi/L	1.0E+00					
Barium	µg/L	2.9	J				
Chromium	µg/L	8.9	V				
Copper	µg/L	1.4	J				
Mercury	µg/L	0.20			0.055	J	
Nitrate-nitrite as nitrogen	µg/L	330	V		510	V	
Nonvolatile beta	pCi/L	3.0E+00					
Radium-226	pCi/L	7.5E-01					
Thorium-228	pCi/L	5.6E-01	J1				
Total alpha emitters	pCi/L	1.6E+00					
Trichlorofluoromethane	µg/L	1.6	J				
Tritium	pCi/mL	1.5E+00					
Vanadium	µg/L	0.68	J				
Zinc	µg/L	79					
WELL HSB101C							
Barium	µg/L	9.3	V				
Chromium	µg/L	2.7	J				
Copper	µg/L	0.74	J				

Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
Gross alpha	pCi/L	5.4E-01	J				
Nitrate-nitrite as nitrogen	µg/L	960			1,000	V	
Nonvolatile beta	pCi/L	1.4E+00					
Thorium-230	pCi/L	1.3E-01					
Total alpha emitters	pCi/L	1.3E-01					
Tritium	pCi/mL	6.5E+00			6.8E+00		
WELL HSB102C							
Barium	µg/L	36	V				
Cobalt	µg/L	1.5	J				
Gross alpha	pCi/L	2.2E+00			1.6E+00		
Mercury	µg/L	0.38			0.46	V	
Nickel	µg/L	2.5	J				
Nitrate-nitrite as nitrogen	µg/L	19,000	V	■	16,000	V	■
Nonvolatile beta	pCi/L	6.0E+00			4.8E+00		
Tritium	pCi/mL	1.6E+02		■	1.5E+02		■
Zinc	µg/L	20	V				
WELL HSB103C							
Barium	µg/L	63	V				
Carbon-14	pCi/L	1.2E+02					
Cobalt	µg/L	13	V				
Gross alpha	pCi/L	2.2E+00			3.5E+00		
Mercury	µg/L	1.4			1.2	V	
Nickel	µg/L	4.3	J				
Nitrate-nitrite as nitrogen	µg/L	24,000	JV	■	23,000	V	■
Nonvolatile beta	pCi/L	1.5E+01			1.8E+01		
Radium-226	pCi/L	3.0E+00					
Strontium-90	pCi/L	3.5E+00					
Tetrachloroethylene	µg/L	1.4	J				
Thorium-230	pCi/L	2.1E-01					
Total alpha emitters	pCi/L	2.1E-01					
Total beta emitters	pCi/L	1.2E+02		■			
Trichloroethylene	µg/L	4.3					
Tritium	pCi/mL	5.5E+02		■	5.2E+02		■
Zinc	µg/L	17					
WELL HSB104C							
Barium	µg/L	73	V				
Carbon-14	pCi/L	1.5E+01					
Gross alpha	pCi/L	2.2E+00			1.8E+00		
Nitrate-nitrite as nitrogen	µg/L	7,900	JV		7,000	V	
Nonvolatile beta	pCi/L	1.5E+01			1.6E+01		
Radium-226	pCi/L	1.9E+00					
Selenium	µg/L	2.0	J				
Strontium-90	pCi/L	5.4E+00					
Tetrachloroethylene	µg/L	2.8					
Thorium-230	pCi/L	1.4E-01					
Total alpha emitters	pCi/L	1.4E-01					
Total beta emitters	pCi/L	2.1E+01					
Tritium	pCi/mL	2.2E+02		■	2.1E+02		■
Vanadium	µg/L	1.2	J				
WELL HSB105C							
Barium	µg/L	6.9	V				

Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
Carbon-14	pCi/L	1.0E+02					
Copper	µg/L	0.70	J				
Mercury	µg/L	0.015	J				
Nitrate-nitrite as nitrogen	µg/L	4,800	JV		4,300	V	
Nonvolatile beta	pCi/L	1.4E+00			2.0E+00		
Silver	µg/L	4.4					
Tetrachloroethylene	µg/L	1.2	J				
Thorium-230	pCi/L	1.6E-01					
Total alpha emitters	pCi/L	1.6E-01					
Total beta emitters	pCi/L	1.0E+02		■			
Tritium	pCi/mL	9.0E+01		■	8.8E+01		■
Vanadium	µg/L	0.30	J				
Zinc	µg/L	13					

WELL HSB106C

Barium	µg/L	14	V				
Carbon-14	pCi/L	3.7E+01					
Copper	µg/L	0.81	J				
Mercury	µg/L	0.61			0.64	V	
Nickel	µg/L	0.89	J				
Nitrate-nitrite as nitrogen	µg/L	7,100	JV		4,400	V	
Nonvolatile beta	pCi/L	2.3E+00			2.8E+00		
Radium-226	pCi/L	8.7E-01					
Tetrachloroethylene	µg/L	4.0					
Thorium-230	pCi/L	1.8E-01					
Total alpha emitters	pCi/L	1.8E-01					
Total beta emitters	pCi/L	3.7E+01					
Tritium	pCi/mL	2.0E+02		■	1.9E+02		■
Zinc	µg/L	10					

WELL HSB107C

Barium	µg/L	39	V				
Copper	µg/L	0.85	J				
Mercury	µg/L	0.092	J		0.030	J	
Nickel	µg/L	1.4	J				
Nitrate-nitrite as nitrogen	µg/L	7,500	JV		690	V	
Nonvolatile beta	pCi/L	8.3E+00			9.8E+00		
Radium-226	pCi/L	5.5E-01					
Selenium	µg/L	1.7	J				
Strontium-90	pCi/L	3.7E+00					
Tetrachloroethylene	µg/L	5.5		■			
Thorium-230	pCi/L	1.1E-01					
Total alpha emitters	pCi/L	5.9E+02		■			
Total beta emitters	pCi/L	3.7E+00					
Tritium	pCi/mL	3.4E+02		■	3.4E+02		■
Uranium-233/234	pCi/L	1.7E+02					
Uranium-235	pCi/L	2.2E+01					
Uranium-238	pCi/L	4.0E+02					
Zinc	µg/L	8.8					

WELL HSB108C

Antimony	µg/L	3.8	J				
Barium	µg/L	7.7					
Carbon-14	pCi/L	1.0E+01					
Chromium	µg/L	2.7	J				
Cobalt	µg/L	0.65	J				

Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
Mercury	µg/L	0.21					
Nickel	µg/L	1.4	J				
Nitrate-nitrite as nitrogen	µg/L	2,500	V		1,800	V	
Nonvolatile beta	pCi/L	1.9E+00			2.7E+00		
Plutonium-239/240	pCi/L	8.8E-02					
Silver	µg/L	16					
Strontium-90	pCi/L	1.3E+00					
Thorium-230	pCi/L	1.7E-01					
Tin	µg/L	21	J	■			
Total alpha emitters	pCi/L	4.6E-01					
Total beta emitters	pCi/L	1.1E+01					
Tritium	pCi/mL	1.6E+02		■	1.5E+02		■
Uranium-238	pCi/L	2.0E-01					
Vanadium	µg/L	0.96	J				
WELL HSB109C							
Barium	µg/L	5.2					
Cobalt	µg/L	0.48	J				
Copper	µg/L	1.0	J				
Mercury	µg/L	0.12	J				
Nitrate-nitrite as nitrogen	µg/L	2,000	V		1,900	V	
Radium-226	pCi/L	7.0E-01					
Thorium-230	pCi/L	2.6E-01					
Thorium-232	pCi/L	1.2E-01					
Total alpha emitters	pCi/L	3.9E-01					
Tritium	pCi/mL	5.0E+01		■	4.6E+01		■
Zinc	µg/L	4.4	J				
WELL HSB110C							
Barium	µg/L	9.4	V				
Carbon-14	pCi/L	2.0E+01					
Copper	µg/L	21					
Lead	µg/L	2.8	J				
Nickel	µg/L	1.3	J				
Nitrate-nitrite as nitrogen	µg/L	1,100	JV		850	V	
Nonvolatile beta	pCi/L	1.1E+00					
Radium-226	pCi/L	7.2E-01					
Thorium-230	pCi/L	1.2E-01					
Total alpha emitters	pCi/L	1.2E-01					
Total beta emitters	pCi/L	2.0E+01					
Tritium	pCi/mL	3.1E+01		■	1.0E+01		
Zinc	µg/L	38					
WELL HSB111C							
Antimony	µg/L	2.5	J				
Barium	µg/L	11					
Cadmium	µg/L	1.3	J				
Carbon-14	pCi/L	3.8E+01					
Chromium	µg/L	3.0	J				
Cobalt	µg/L	2.1	J				
Copper	µg/L	3.4	JV				
Gross alpha	pCi/L	1.2E+00			1.7E+00		
Mercury	µg/L				0.076	J	
Nickel	µg/L	3.0	J				
Nitrate-nitrite as nitrogen	µg/L	13,000	V	■	13,000		■
Nonvolatile beta	pCi/L	2.3E+01			4.0E+01		

Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
Radium-226	pCi/L	9.8E-01	J				
Selenium	µg/L	2.5	J				
Strontium-90	pCi/L	5.9E-01					
Technetium-99	pCi/L	4.6E+01					
Tin	µg/L	3.1	J				
Total beta emitters	pCi/L	8.4E+01		■			
Tritium	pCi/mL	1.6E+03		■	1.8E+03		■
Vanadium	µg/L	1.4	J				
Zinc	µg/L	18					

WELL HSB112C

Barium	µg/L	15					
Carbon-14	pCi/L	5.8E+01					
Chromium	µg/L	1.3	J				
Cobalt	µg/L	0.43	J				
Copper	µg/L	16	V				
Gross alpha	pCi/L				1.1E+00		
Lead	µg/L	3.2	J				
Mercury	µg/L	0.022	J		0.051	J	
Nickel	µg/L	2.8	J				
Nitrate-nitrite as nitrogen	µg/L	7,300	V		590	V	
Nonvolatile beta	pCi/L	1.3E+01			8.1E+00		
Radium-226	pCi/L	5.7E-01					
Selenium	µg/L	2.1	J				
Total beta emitters	pCi/L	5.8E+01		■			
Tritium	pCi/mL	7.2E+02		■	6.5E+02		■
Zinc	µg/L	38					

WELL HSB113C

Barium	µg/L	31	V				
Cadmium	µg/L	0.38	J				
Carbon-14	pCi/L	2.7E+01					
Chromium	µg/L	0.78	J				
Cobalt	µg/L	1.5	J				
Copper	µg/L	3.9	J				
Gross alpha	pCi/L	1.9E+00			3.1E+00		
Lead	µg/L	1.3	J				
Mercury	µg/L				0.10	J	
Nickel	µg/L	2.8	J				
Nitrate-nitrite as nitrogen	µg/L	6,100	V		14,000		■
Nonvolatile beta	pCi/L	2.3E+01			5.0E+01		■
Radium-226	pCi/L	2.9E+00	J				
Technetium-99	pCi/L	7.1E+01					
Total alpha emitters	pCi/L	1.4E-01					
Total beta emitters	pCi/L	9.7E+01		■			
Tritium	pCi/mL	1.4E+03		■	1.6E+03		■
Uranium-238	pCi/L	1.4E-01					
Zinc	µg/L	21					

WELL HSB114C

Barium	µg/L	41					
Cadmium	µg/L	0.68	J				
Carbon-14	pCi/L	2.0E+02	V				
Chromium	µg/L	4.6					
Cobalt	µg/L	3.6	J				
Copper	µg/L	3.0	J				

Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
Gross alpha	pCi/L				3.7E+00		
Iodine-129	pCi/L	2.4E+00					
Mercury	µg/L	0.077	J		0.17	J	
Nickel	µg/L	11					
Nitrate-nitrite as nitrogen	µg/L	31,000	JV	■	27,000		■
Nonvolatile beta	pCi/L				3.9E+01		
Technetium-99	pCi/L	1.6E+02					
Total beta emitters	pCi/L	3.6E+02		■			
Tritium	pCi/mL				5.3E+03		■
Zinc	µg/L	32	V				
WELL HSB115C							
Barium	µg/L	30					
Cadmium	µg/L	1.8	J				
Carbon-14	pCi/L	2.0E+02	V				
Chromium	µg/L	0.94	J				
Cobalt	µg/L	2.0	J				
Copper	µg/L	5.2					
Gross alpha	pCi/L	2.7E+00			5.1E+00		
Iodine-129	pCi/L	9.0E+00					
Lead	µg/L	7.9					
Mercury	µg/L	0.12	J		0.071	J	
Nickel	µg/L	6.9	J				
Nitrate-nitrite as nitrogen	µg/L	23,000	JV	■	25,000		■
Nonvolatile beta	pCi/L	2.1E+01			5.0E+01		
Strontium-90	pCi/L	1.3E+01		■			
Total beta emitters	pCi/L	2.2E+02		■			
Tritium	pCi/mL	4.9E+03	J	■	4.6E+03		■
Zinc	µg/L	53	V				
WELL HSB116C							
Barium	µg/L	14					
Cadmium	µg/L	0.24	J				
Carbon-14	pCi/L	8.5E+01	V				
Cobalt	µg/L	9.5					
Copper	µg/L	2.5	J				
Gross alpha	pCi/L				1.5E+00		
Iodine-129	pCi/L	6.5E+00					
Mercury	µg/L	0.26			0.65		
Nickel	µg/L	1.2	J				
Nitrate-nitrite as nitrogen	µg/L	17,000	JV	■	15,000		■
Nonvolatile beta	pCi/L				1.3E+01		
Strontium-90	pCi/L	7.9E-01					
Total beta emitters	pCi/L	9.3E+01		■			
Tritium	pCi/mL				2.3E+03		■
WELL HSB117C							
Barium	µg/L	75					
Carbon-14	pCi/L	1.8E+02	V				
Chromium	µg/L	1.3	J				
Cobalt	µg/L	5.4					
Copper	µg/L	2.9	J				
Gross alpha	pCi/L	1.5E+01			7.5E+00	J3	
Iodine-129	pCi/L	4.8E+00					
Nickel	µg/L	3.9	J				
Nitrate-nitrite as nitrogen	µg/L	48,000	JV	■			

Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
Nonvolatile beta	pCi/L	5.5E+01		■	4.5E+01	J3	
Radium-226	pCi/L	7.5E+00		■			
Radium-228	pCi/L	2.6E+00					
Technetium-99	pCi/L	2.3E+02					
Total alpha emitters	pCi/L	2.3E+00					
Total beta emitters	pCi/L	4.3E+02		■			
Tritium	pCi/mL	7.1E+03	J	■			
Uranium-233/234	pCi/L	3.8E-01					
Uranium-238	pCi/L	1.9E+00					
Zinc	µg/L	14					
WELL HSB125C							
Mercury	µg/L	0.12	J		0.092	J	
Nitrate-nitrite as nitrogen	µg/L	310	V		290	V	
Tritium	pCi/mL	2.7E+00			2.8E+00		
WELL HSB126C							
Mercury	µg/L	0.030	J				
Nitrate-nitrite as nitrogen	µg/L	9,500	V		10,000	V	■
Nonvolatile beta	pCi/L	2.1E+00			5.0E+00		
Tritium	pCi/mL	4.0E+02		■	3.9E+02		■
WELL HSB127C							
Mercury	µg/L	0.15	J				
Nitrate-nitrite as nitrogen	µg/L	9,200	V		7,100	V	
Nonvolatile beta	pCi/L	5.2E+00					
Tritium	pCi/mL	9.3E+02		■	8.6E+02		■
WELL HSB129C							
Gross alpha	pCi/L	3.2E+00			1.6E+00		
Mercury	µg/L	0.054	J		0.24		
Nitrate-nitrite as nitrogen	µg/L	17,000	JV	■	17,000		■
Nonvolatile beta	pCi/L	4.1E+01			1.7E+01		
Tritium	pCi/mL	2.1E+03	J	■	1.7E+03		■
WELL HSB130C							
Nitrate-nitrite as nitrogen	µg/L	910	V		480	V	
Nonvolatile beta	pCi/L				1.3E+00		
Tritium	pCi/mL	9.6E-01			7.8E-01		
WELL HSB131C							
Nitrate-nitrite as nitrogen	µg/L	3,600			3,700	V	
Nonvolatile beta	pCi/L				1.4E+00		
Tritium	pCi/mL	1.4E+02		■	1.4E+02		■
WELL HSB132C							
Gross alpha	pCi/L	1.9E+00			8.8E-01		
Nitrate-nitrite as nitrogen	µg/L	620			280	V	
Nonvolatile beta	pCi/L	1.7E+00			1.1E+00		

Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
WELL HSB133C							
Nitrate-nitrite as nitrogen	µg/L	400			220	V	
Nonvolatile beta	pCi/L				1.4E+00		
WELL HSB134C							
Mercury	µg/L	0.075	JY				
Nitrate-nitrite as nitrogen	µg/L	1,600	V		1,800	V	
Tritium	pCi/mL	2.4E+01	V	■	2.6E+01		■
WELL HSB135C							
Gross alpha	pCi/L	7.0E+00			1.9E+00		
Nitrate-nitrite as nitrogen	µg/L	730			790	V	
Nonvolatile beta	pCi/L	4.3E+00			2.5E+00		
Tritium	pCi/mL	2.8E+01		■	3.9E+01		■
WELL HSB136C							
Barium	µg/L	69					
Cadmium	µg/L	0.11	J				
Chromium	µg/L	1.1	J				
Gross alpha	pCi/L	4.7E+00			4.7E+00		
Iodine-129	pCi/L	7.1E+00					
Lead	µg/L	1.3	J				
Mercury	µg/L	0.043	J		0.18	J	
Nitrate-nitrite as nitrogen	µg/L	37,000	V	■	38,000		■
Nonvolatile beta	pCi/L	4.0E+01			4.5E+01		
Radium-226	pCi/L	1.9E+00					
Technetium-99	pCi/L	1.6E+02					
Total alpha emitters	pCi/L	1.8E-01					
Total beta emitters	pCi/L	1.6E+02		■			
Tritium	pCi/mL	6.0E+03		■	6.7E+03		■
Uranium-233/234	pCi/L	1.8E-01					
WELL HSB137C							
Barium	µg/L	47					
Cadmium	µg/L	0.73	J				
Cobalt	µg/L	0.24	J				
Copper	µg/L	4.5	V				
Gross alpha	pCi/L	2.3E+00					
Iodine-129	pCi/L	9.3E+00					
Lead	µg/L	2.9	J				
Mercury	µg/L	0.12	J				
Nonvolatile beta	pCi/L	3.4E+01					
Radium-226	pCi/L	1.2E+00					
Strontium-90	pCi/L	1.2E+00					
Technetium-99	pCi/L	1.6E+02					
Total alpha emitters	pCi/L	3.9E+02		■			
Total beta emitters	pCi/L	1.7E+02		■			
Tritium	pCi/mL	1.0E+04		■			
Uranium-233/234	pCi/L	1.0E+02	V				
Uranium-235	pCi/L	1.2E+01					
Uranium-238	pCi/L	2.8E+02	V				
Zinc	µg/L	22					

Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
WELL HSB139C							
Gross alpha	pCi/L	3.2E+00			2.4E+00	J	
Mercury	µg/L	1.2			0.67	V	
Nitrate-nitrite as nitrogen	µg/L	37,000	V	■	37,000		■
Nonvolatile beta	pCi/L	1.2E+01			2.3E+01		
Tritium	pCi/mL	2.4E+03	J	■	2.4E+03		■
WELL HSB140C							
Mercury	µg/L	1.0	V				
Nitrate-nitrite as nitrogen	µg/L	920			700	V	
Nonvolatile beta	pCi/L				1.4E+00		
Tritium	pCi/mL	2.9E+00			3.0E+00		
WELL HSB141CR							
Barium	µg/L	11					
Chromium	µg/L	3.8	J				
Mercury	µg/L	0.095	J				
Nitrate-nitrite as nitrogen	µg/L	340	V		320	V	
Nonvolatile beta	pCi/L	3.1E+00					
Silver	µg/L	1.2	J				
Tritium	pCi/mL	1.1E+00			8.5E-01		
WELL HSB142C							
Mercury	µg/L	0.42	V		0.25	JV	
Nitrate-nitrite as nitrogen	µg/L	590			520	V	
Nonvolatile beta	pCi/L				1.5E+00		
Tritium	pCi/mL	2.7E+00			4.7E+00		
WELL HSB143C							
Gross alpha	pCi/L	9.9E-01					
Nitrate-nitrite as nitrogen	µg/L	820	V		860	V	
Tritium	pCi/mL	9.2E+00			7.6E+00		
WELL HSB145C							
Gross alpha	pCi/L	1.9E+00			3.5E+00		
Mercury	µg/L	0.85			0.26	V	
Nitrate-nitrite as nitrogen	µg/L	32,000	V	■	35,000	V	■
Nonvolatile beta	pCi/L	2.7E+01			4.4E+01		
Tritium	pCi/mL	1.6E+03		■	1.5E+03		■
WELL HSB146C							
Gross alpha	pCi/L				1.3E+00		
Mercury	µg/L				0.23	JV	
Nitrate-nitrite as nitrogen	µg/L	850			640	V	
Tritium	pCi/mL	1.1E+01			1.1E+01		
WELL HSB148C							
Gross alpha	pCi/L	9.3E-01			1.2E+00		
Mercury	µg/L	0.20	J				
Nitrate-nitrite as nitrogen	µg/L	570	V		850	V	
Nonvolatile beta	pCi/L	3.2E+00			1.7E+00		

Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
Tritium	pCi/mL	2.1E+00			1.9E+00		
WELL HSB151C							
Gross alpha	pCi/L	1.2E+00			1.3E+00		
Mercury	µg/L	0.11	J				
Nitrate-nitrite as nitrogen	µg/L	9,500	JV		10,000	V	■
Nonvolatile beta	pCi/L	1.3E+01			5.4E+00		
Tritium	pCi/mL	1.7E+03		■	1.7E+03		■
WELL HSB152C							
Gross alpha	pCi/L	1.7E+00			9.3E-01		
Mercury	µg/L				0.68	V	
Nitrate-nitrite as nitrogen	µg/L	11,000	V	■	12,000	V	■
Nonvolatile beta	pCi/L	3.5E+01			1.6E+01		
Tritium	pCi/mL	1.2E+03		■	1.3E+03		■
Aquifer Zone IIB₁ (lower Barnwell/McBean)							
WELL HSB 65B							
Gross alpha	pCi/L	2.7E-01					
Mercury	µg/L	0.21					
Nitrate-nitrite as nitrogen	µg/L	550	V		170	V	
Tritium	pCi/mL	8.0E+01		■			
WELL HSB 68B							
Gross alpha	pCi/L	7.9E-01			9.7E-01	J	
Mercury	µg/L	0.56					
Nitrate-nitrite as nitrogen	µg/L	900	V		240	V	
Nonvolatile beta	pCi/L	1.4E+00			3.6E+00		
Tritium	pCi/mL	3.1E+01		■	1.5E+01		
WELL HSB 83B							
Nitrate-nitrite as nitrogen	µg/L	460	V		250		
Tritium	pCi/mL	1.4E+00			1.2E+00		
WELL HSB 84B							
Mercury	µg/L	0.018	J		0.031	J	
Nitrate-nitrite as nitrogen	µg/L	1,700			2,300	V	
Nonvolatile beta	pCi/L	5.5E+00			6.5E+00		
Tritium	pCi/mL	5.3E+01		■	7.2E+01		■
WELL HSB 85B							
Antimony	µg/L				1.2	J	
Barium	µg/L				36	V	
Chromium	µg/L				4.0		
Copper	µg/L				2.1	J	
Nitrate-nitrite as nitrogen	µg/L	940			840	V	
Nonvolatile beta	pCi/L	4.0E+00			3.2E+00		
Strontium-90	pCi/L				9.9E-01		
Total beta emitters	pCi/L				9.9E-01		
Tritium	pCi/mL	3.1E+00			3.5E+00		

Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
WELL HSB 86B							
Mercury	µg/L				0.060	J	
Nitrate-nitrite as nitrogen	µg/L	380	V		330	V	
Nonvolatile beta	pCi/L				7.8E-01		
Aquifer Unit IIA (upper Congaree)							
WELL HSB 85A							
Antimony	µg/L				2.2	J	
Arsenic	µg/L				2.2	J	
Barium	µg/L				33	V	
Cadmium	µg/L				1.9	JV	
Chromium	µg/L				2.7	J	
Copper	µg/L				13		
Gross alpha	pCi/L	2.6E+00					
Mercury	µg/L	0.31	J		0.87	V	
Nickel	µg/L				1.3	J	
Nitrate as nitrogen	µg/L	48					
Nitrate-nitrite as nitrogen	µg/L	660	V		210	V	
Nonvolatile beta	pCi/L	2.8E+00					
Selenium	µg/L				2.7	J	
Strontium-90	pCi/L				7.0E-01		
Tin	µg/L				1.2	J	
Total beta emitters	pCi/L				7.0E-01		
WELL HSB118A							
Barium	µg/L	44					
Carbon-14	pCi/L	6.6E+01	V				
Cobalt	µg/L	0.61	J				
Copper	µg/L	1.7	J				
Gross alpha	pCi/L	1.5E+00			1.3E+00		
Iodine-129	pCi/L	2.4E+00					
Mercury	µg/L				0.042	J	
Nitrate-nitrite as nitrogen	µg/L	12,000	JV	■	9,800		
Nonvolatile beta	pCi/L	7.0E+00			1.1E+01		
Plutonium-239/240	pCi/L	4.0E-01					
Radium-226	pCi/L	9.7E-01					
Strontium-90	pCi/L	9.6E-01					
Technetium-99	pCi/L	1.9E+01					
Total alpha emitters	pCi/L	4.0E-01					
Total beta emitters	pCi/L	8.9E+01		■			
Tritium	pCi/mL	5.5E+03	J	■	4.4E+03		■
Vanadium	µg/L	0.49	J				
WELL HSB119A							
Arsenic	µg/L	4.5	J				
Barium	µg/L	10					
Bis(2-ethylhexyl) phthalate	µg/L	1.5					
Carbon-14	pCi/L	6.4E+01					
Chromium	µg/L	1.0	J				
Cobalt	µg/L	0.35	J				
Copper	µg/L	4.4					
Gross alpha	pCi/L	7.0E-01			1.5E+00		
Mercury	µg/L	0.18	J				
Nickel	µg/L	1.0	J				

Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
Nitrate-nitrite as nitrogen	µg/L	6,100	VY		6,600	V	
Nonvolatile beta	pCi/L	8.1E+00			7.1E+00		
Radium-226	pCi/L	1.0E+00					
Total beta emitters	pCi/L	6.4E+01		■			
Tritium	pCi/mL	4.6E+02		■	4.9E+02		■
Vanadium	µg/L	0.83	J				
Zinc	µg/L	25					
WELL HSB120A							
Americium-241	pCi/L	5.8E-01	J1				
Barium	µg/L	31					
Chromium	µg/L	2.1	J				
Dichloromethane	µg/L	3.6	J				
Mercury	µg/L	0.041	J		0.13	J	
Nitrate-nitrite as nitrogen	µg/L	360	V		420	V	
Nonvolatile beta	pCi/L	1.8E+00	J1		1.6E+00		
Radium-226	pCi/L	9.4E-01					
Radium-228	pCi/L	2.7E+00					
Selenium	µg/L	1.7	J				
Silver	µg/L	0.68	J				
Thorium-228	pCi/L	3.5E-01	J1				
Total alpha emitters	pCi/L	1.6E+00					
Total beta emitters	pCi/L	2.7E+00					
Uranium-233/234	pCi/L	3.0E-01					
Uranium-238	pCi/L	3.8E-01	J1				
Zinc	µg/L	8.6	J				
WELL HSB121A							
Barium	µg/L	33					
Cobalt	µg/L	0.19	J				
Dichloromethane	µg/L	2.4	J				
Gross alpha	pCi/L				2.5E+00	J1	
Mercury	µg/L	0.091	J				
Nitrate-nitrite as nitrogen	µg/L	320	V		170	V	
Nonvolatile beta	pCi/L	3.3E+00			2.0E+00		
Total alpha emitters	pCi/L	1.3E-01					
Tritium	pCi/mL				8.3E+00		
Uranium-238	pCi/L	1.3E-01					
WELL HSB122A							
Americium-241	pCi/L	9.1E-01	J1				
Barium	µg/L	25					
Carbon-14	pCi/L	5.7E+01					
Chromium	µg/L	210	V	■			
Copper	µg/L	26					
Curium-243/244	pCi/L	3.0E-01					
Curium-245/246	pCi/L	1.4E-01					
Dichloromethane	µg/L	3.0	J				
Gross alpha	pCi/L	2.0E+01	V	■	1.3E+00		
Mercury	µg/L	0.15	J		0.015	J	
Nickel	µg/L	120		■			
Nitrate-nitrite as nitrogen	µg/L	400	V		170	V	
Nonvolatile beta	pCi/L	2.0E+00	J1		1.3E+00		
Thorium-228	pCi/L	4.8E-01	J1				
Total alpha emitters	pCi/L	1.8E+00					
Total beta emitters	pCi/L	5.7E+01		■			

Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
Trichlorofluoromethane	µg/L	1.5	J				
Vanadium	µg/L	0.78	J				
Zinc	µg/L	9.8	J				
WELL HSB123A							
Barium	µg/L	350					
Cadmium	µg/L	0.86	J				
Chromium	µg/L	2.9	J				
Cobalt	µg/L	1.6	J				
Copper	µg/L	6.2	V				
Gross alpha	pCi/L	1.7E+01		■	6.5E+00		
Lead	µg/L	6.8					
Nickel	µg/L	1.4	J				
Nitrate-nitrite as nitrogen	µg/L	240	V		60	V	
Nonvolatile beta	pCi/L	1.1E+01			8.6E+00		
Radium-226	pCi/L	3.1E+00					
Selenium	µg/L	3.3	J				
WELL HSB124AR							
Barium	µg/L	31					
Cobalt	µg/L	0.18	J				
Gross alpha	pCi/L				9.7E-01		
Mercury	µg/L	0.23					
Nitrate-nitrite as nitrogen	µg/L	440	V		190	V	
Nonvolatile beta	pCi/L				1.5E+00		
Radium-226	pCi/L	1.8E+00	J				
WELL HSB139A							
Nitrate-nitrite as nitrogen	µg/L	440	V		90	V	
Nonvolatile beta	pCi/L	1.2E+00					
WELL HSB140A							
Mercury	µg/L	0.45	V		0.22	JV	
Nitrate-nitrite as nitrogen	µg/L	370			220	V	
WELL HSB141A							
Mercury	µg/L	0.039	J				
Nitrate-nitrite as nitrogen	µg/L	250	V		220	V	
Nonvolatile beta	pCi/L	4.0E+00			2.4E+00		
Tritium	pCi/mL	2.6E+00			2.5E+00		
WELL HSB144A							
Gross alpha	pCi/L	1.5E+00	J1				
Mercury	µg/L	0.029	J		0.30	V	
Nitrate-nitrite as nitrogen	µg/L	630	V		310	V	
Nonvolatile beta	pCi/L	4.2E+00			4.6E+00		
Tritium	pCi/mL	9.8E+01		■	8.5E+01		■
WELL HSB146A							
Gross alpha	pCi/L				9.9E-01		
Nitrate-nitrite as nitrogen	µg/L	230			60	V	
Nonvolatile beta	pCi/L	2.1E+00			1.7E+00		

Constituent	Unit	3Q96	Mod	Std	4Q96	Mod	Std
Aquifer Unit IIA (middle Congaree)							
WELL HSB 69A							
Gross alpha	pCi/L	1.1E+00					
Nitrate-nitrite as nitrogen	µg/L	280	V		390		
Nonvolatile beta	pCi/L	1.7E+00			1.6E+00		
WELL HSB 83A							
Gross alpha	pCi/L				1.5E+00		
Nitrate-nitrite as nitrogen	µg/L	370	V		320		
Nonvolatile beta	pCi/L				2.8E+00		
WELL HSB117A							
Gross alpha	pCi/L				1.5E+00		
Nitrate-nitrite as nitrogen	µg/L	240	V		150	V	
Nonvolatile beta	pCi/L	3.2E+00			3.0E+00		
Aquifer Unit IIA (lower Congaree)							
WELL HSB 65A							
Gross alpha	pCi/L	9.7E-01			1.7E+00		
Nitrate-nitrite as nitrogen	µg/L	350	V		170	V	
Nonvolatile beta	pCi/L	1.0E+00			2.3E+00		
Tritium	pCi/mL	7.0E-01					
WELL HSB 68A							
Gross alpha	pCi/L				9.5E-01	J	
Nitrate-nitrite as nitrogen	µg/L	510	V		330	V	
Nonvolatile beta	pCi/L	2.1E+00			2.9E+00		
Tritium	pCi/mL	7.9E-01			9.5E-01		
WELL HSB 84A							
Gross alpha	pCi/L	9.6E-01			1.2E+00		
Nitrate-nitrite as nitrogen	µg/L	550			310	V	
Nonvolatile beta	pCi/L	2.9E+01			2.7E+01		
Tritium	pCi/mL	7.6E+00			5.2E+00		
WELL HSB 86A							
Gross alpha	pCi/L	2.3E+00	J1		1.9E+00		
Mercury	µg/L				0.076	J	
Nitrate-nitrite as nitrogen	µg/L	240	V		310	V	
Nonvolatile beta	pCi/L	3.0E+00			1.8E+01		
Tritium	pCi/mL	1.0E+00					

Notes: This table presents the highest value for duplicate/replicate results.
■ = exceeded groundwater protection standard

Table C-2. Groundwater Monitoring Results for Individual Wells

WELL HSB 65

<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>
N72425.6 E58432.0	33.281296 °N 81.653622 °W	242.4-212.4 ft msl .	272 ft msl	4" PVC	S	Water Table (IIB2)

<u>SAMPLE DATE</u>	07/18/96	10/01/96
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FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	237.1	233.2	ft msl
pH	4.8	4.6	pH
Sp. conductance	38	50	µS/cm
Water temperature	26.0	18.0	°C
Alkalinity as CaCO ₃	2	0	mg/L
Turbidity	1	2	NTU
Volumes purged	3.5	3.7	well volumes
Sampling code			
Synchronous water level	233.2 (09/18/96)	232.4 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	0.079	1	J			GE	0.67	1	V			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	2,700	2	V			GE	2,800	2	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 65 (cont.)

Radioactive Constituents

Parameter	3Q	DE	Mod	ST	H	Lab	4Q	DE	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	1.7E+00	1				GP	8.5E-01	1				GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	1.1E+00	1				GP	1.3E+00	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	2.6E+01	1		■		GP	2.3E+01	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 65A

<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>
N72436.2 E58436.0	33.281326 °N 81.653633 °W	73.2-62.5 ft msl	273.6 ft msl	4" PVC	S	L. Congaree (IIA)

SAMPLE DATE	07/17/96	10/01/96
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FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	171.3	171.2	ft msl
pH	7.6	7.2	pH
Sp. conductance	200	200	µS/cm
Water temperature	27.0	19.0	°C
Alkalinity as CaCO ₃	85	80	mg/L
Turbidity	1	1	NTU
Volumes purged	2.3	2.4	well volumes
Sampling code			
Synchronous water level	171.5 (09/17/96)	173.6 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	<0.20	1				GE	<0.20	1				GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	350	1	V			GE	170	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 65A (cont.)

Radioactive Constituents

Parameter	3Q	DE	Mod	ST	H	Lab	4Q	DE	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	9.7E-01	1				GP	1.7E+00	1				GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	1.0E+00	1				GP	2.3E+00	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	7.0E-01	1				GP	4.1E-01	1	UI			GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 65B

<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>
N72445.6 E58439.4	33.281352 °N 81.653642 °W	133.3-123.3 ft msl	273.7 ft msl	4" PVC	S	McBean (IIB1)

SAMPLE DATE	07/18/96	10/01/96
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FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	224.0	223.8	ft msl
pH	7.2	7.8	pH
Sp. conductance	180	180	µS/cm
Water temperature	26.0	19.0	°C
Alkalinity as CaCO ₃	50	82	mg/L
Turbidity	2	11	NTU
Volumes purged	2.4	2.5	well volumes
Sampling code			
Synchronous water level	224.1 (09/17/96)	223.6 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	0.21	1				GE	<0.023	1	V			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	550	1	V			GE	170	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 65B (cont.)

Radioactive Constituents

Parameter	3Q	DE	Mod	ST	H	Lab	4Q	DE	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	2.7E-01	1				GP	5.3E-01	1	UI			GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	-1.3E-01	1	UI			TM	1.0E+00	1	UI			GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	8.0E+01	1		■		GP	2.3E-01	1	UI			GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 65C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N72439.6 E58447.1	33.281351 °N 81.653610 °W	218.6-207.8 ft msl	273.6 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 07/17/96 10/01/96

FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	231.9	231.7	ft msl
pH	5.0	5.0	pH
Sp. conductance	50	72	µS/cm
Water temperature	28.0	20.0	°C
Alkalinity as CaCO ₃	11	0	mg/L
Turbidity	1	1	NTU
Volumes purged	0.063	2.6	well volumes
Sampling code	X		
Synchronous water level	232.0 (09/17/96)	231.1 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	0.015	1	J			GE	1.4	1	V			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	3,100	4	V			GE	4,100	5	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 65C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	2.4E+00	1				GP	2.5E+00	1				GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	1.4E+00	1				GP	5.3E+00	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	2.6E+01	1		■		GP	2.4E+01	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 66

<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>
N72429.2 E56928.3	33.278850 °N 81.657589 °W	228.1-198.1 ft msl	280.2 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE	07/18/96	10/01/96
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FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	224.7	210.8	ft msl
pH	5.2	5.2	pH
Sp. conductance	36	38	µS/cm
Water temperature	26.0	19.0	°C
Alkalinity as CaCO ₃	4	1	mg/L
Turbidity	18	4	NTU
Volumes purged	3.4	3.0	well volumes
Sampling code			
Synchronous water level	224.6 (09/17/96)	224.6 (12/16/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	<0.20	1				GE	<0.20	1				GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	2,800	4	V			GE	2,000	5	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 66 (cont.)

Radioactive Constituents

Parameter	3Q	DE	Mod	ST	H	Lab	4Q	DE	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	1.8E+00	1				GP	6.3E-01	1				GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	1.4E+00	1				GP	8.5E-01	1	UI			GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	3.3E+01	1		■		GP	2.5E+01	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 67

<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>
N71505.0 E58424.3	33.279247 °N 81.651855 °W	230.7-200.7 ft msl	237.8 ft msl	4" PVC	V	Water Table (IIB2)

SAMPLE DATE 07/09/96 10/15/96

FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	211.0	223.2	ft msl
pH	4.2	3.6	pH
Sp. conductance	100	100	µS/cm
Water temperature	27.0	20.0	°C
Alkalinity as CaCO ₃	0	0	mg/L
Turbidity	1	1	NTU
Volumes purged	2.5	0.68	well volumes
Sampling code			
Synchronous water level	223.5 (09/16/96)	222.6 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	3.1	1	V	■		GE	2.9	1		■		GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	9,000	10	V			GE	8,300	10	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 67 (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	2.9E+01	1		■		GP	2.4E+01	1		■		GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	1.2E+03	1		■		GP	1.3E+03	1		■		GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	7.2E+02	1		■		GP	4.8E+02	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 68

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N71528.0 E56901.0	33.276813 °N 81.655911 °W	243.3-213.3 ft msl	250.1 ft msl	4" PVC	V	Water Table (IIB2)

SAMPLE DATE 07/09/96 10/15/96

FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	220.7	220.4	ft msl
pH	4.0	3.8	pH
Sp. conductance	180	180	µS/cm
Water temperature	27.0	22.0	°C
Alkalinity as CaCO ₃	0	0	mg/L
Turbidity	3	13	NTU
Volumes purged	3.1	1.3	well volumes
Sampling code			
Synchronous water level	220.8 (09/16/96)	220.0 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	2.4	1	V	■		GE	4.0	1		■		GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	18,000	10		■		GE	14,000	10	V	■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 68 (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	4.3E+01	1		■		GP	4.8E+01	1		■		GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	3.2E+03	1		■		GP	3.1E+03	1		■		GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	4.6E+02	1		■		GP	3.6E+02	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 68A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N71526.9 E56892.1	33.276796 °N 81.655932 °W	58.0-47.5 ft msl	249.4 ft msl	4" PVC	S	L. Congaree (IIA)

SAMPLE DATE 07/17/96 10/03/96

FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	171.8	171.9	ft msl
pH	6.4	6.2	pH
Sp. conductance	120	100	µS/cm
Water temperature	26.0	18.0	°C
Alkalinity as CaCO ₃	12	17	mg/L
Turbidity	0	1	NTU
Volumes purged	2.3	2.4	well volumes
Sampling code			
Synchronous water level	171.9 (09/16/96)	169.2 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	<0.020	1				GE	<0.020	1	V			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	510	1	V			GE	330	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 68A (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	2.2E-01	1	UI			GP	9.5E-01	1	J			GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	2.1E+00	1				GP	2.9E+00	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	7.9E-01	1				GP	9.5E-01	1				GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 68B

<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>
N71525.5 E56882.1	33.276776 °N 81.655956 °W	134.5-123.5 ft msl	250 ft msl	4" PVC	S	McBean (IIB1)

SAMPLE DATE 07/17/96 10/03/96

FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	210.7	216.2	ft msl
pH	6.8	7.0	pH
Sp. conductance	180	180	µS/cm
Water temperature	26.0	19.0	°C
Alkalinity as CaCO ₃	88	94	mg/L
Turbidity	10	26	NTU
Volumes purged	0.017	2.4	well volumes
Sampling code	X		
Synchronous water level	216.3 (09/16/96)	215.5 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	0.56	1				GE	<0.027	1	V			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	900	1	V			GE	240	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 68B (cont.)

Radioactive Constituents

Parameter	3Q	DE	Mod	ST	H	Lab	4Q	DE	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	7.9E-01	1				GP	9.7E-01	1	J			GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	1.4E+00	1				GP	3.6E+00	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	3.1E+01	1		■		GP	1.5E+01	1				GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 68C

<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>
N71524.1 E56872.7	33.276758 °N 81.655978 °W	179.5-168.4 ft msl	250.1 ft msl	4" PVC	S	Bamwell (IIB1)

SAMPLE DATE 07/17/96 10/03/96

FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	207.5	216.9	ft msl
pH	5.2	5.4	pH
Sp. conductance	140	100	µS/cm
Water temperature	25.0	20.0	°C
Alkalinity as CaCO ₃	11	1	mg/L
Turbidity	1	29	NTU
Volumes purged	0.039	0.031	well volumes
Sampling code	X	X	
Synchronous water level	217.1 (09/16/96)	216.8 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	0.68	1				GE	2.4	1	JV	■		GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	13,000	20	JV	■		GE	11,000	50		■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 68C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	1.2E+00	1				GP	2.8E+00	1				GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	1.3E+01	1				GP	1.5E+01	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	3.2E+03	1		■		GP	2.6E+03	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 69

<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>
N71546.9 E56475.1	33.276160 °N 81.657069 °W	229.0-199.0 ft msl	236 ft msl	4" PVC	V	Water Table (IIB2)

SAMPLE DATE	07/09/96	10/15/96
--------------------	----------	----------

FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	218.3	218.2	ft msl
pH	4.2	4.0	pH
Sp. conductance	54	58	µS/cm
Water temperature	27.0	22.0	°C
Alkalinity as CaCO ₃	0	0	mg/L
Turbidity	3	1	NTU
Volumes purged	2.3	0.71	well volumes
Sampling code			
Synchronous water level	218.4 (09/16/96)	217.9 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	0.19	1	JV			GE	0.21	1				GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	3,800	4				GE	3,400	4	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 69 (cont.)

Radioactive Constituents

Parameter	3Q	DE	Mod	ST	H	Lab	4Q	DE	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	6.4E+00	1				GP	2.9E+00	1				GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	7.1E+02	1		■		GP	6.3E+02	1		■		GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	4.2E+01	1		■		GP	4.5E+01	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 69A

<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>
N71549.4 E56465.1	33.276149 °N 81.657100 °W	93.1-83.1 ft msl	236.6 ft msl	4" PVC	S	M. Congaree (IIA)

SAMPLE DATE 07/18/96 10/03/96

FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	172.1	172.4	ft msl
pH	6.8	7.0	pH
Sp. conductance	140	120	µS/cm
Water temperature	27.0	21.0	°C
Alkalinity as CaCO ₃	47	55	mg/L
Turbidity	1	4	NTU
Volumes purged	2.4	2.3	well volumes
Sampling code			
Synchronous water level	172.4 (09/16/96)	172.2 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	<0.20	1				GE	<0.20	1				GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	280	1	V			GE	390	1				GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 69A (cont.)

Radioactive Constituents

Parameter	3Q	DE	Mod	ST	H	Lab	4Q	DE	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	1.1E+00	1				GP	8.2E-01	1	UI			GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	1.7E+00	1				GP	1.6E+00	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	-2.2E-02	1	UI			GP	4.6E-02	1	UI			GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 70

<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>
N72606.9 E55758.9	33.277336 °N 81.661013 °W	235.7-205.7 ft msl	242.8 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE	07/18/96	10/03/96
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FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	223.2	215.6	ft msl
pH	5.4	5.4	pH
Sp. conductance	60	62	µS/cm
Water temperature	21.0	21.0	°C
Alkalinity as CaCO ₃	8	1	mg/L
Turbidity	2	8	NTU
Volumes purged	4.2	4.0	well volumes
Sampling code			
Synchronous water level	223.5 (09/20/96)	223.3 (12/16/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	<0.20	1				GE	<0.023	1	V			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	730	1	V			GE	1,200	1				GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 70 (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	2.1E+00	1				GP	1.5E+00	1				GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	1.0E+01	1				GP	1.2E+01	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	4.1E+01	1		■		GP	4.0E+01	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 70C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N72597.3 E55757.1	33.277311 °N 81.660999 °W	174.9-164.9 ft msl	243.1 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE	07/18/96	10/21/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	221.2	221.1	ft msl
pH	9.6	6.0	pH
Sp. conductance	240	360	µS/cm
Water temperature	27.0	26.0	°C
Alkalinity as CaCO ₃	38	22	mg/L
Turbidity	2	1	NTU
Volumes purged	0.027	0.027	well volumes
Sampling code	X	X	
Synchronous water level	221.4 (09/16/96)	220.2 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	94	1	V			GE							µg/L
Cadmium, total recoverable	<2.0	1				GE							µg/L
Chromium, total recoverable	3.0	1	J			GE							µg/L
Cobalt, total recoverable	0.83	1	J			GE							µg/L
Copper, total recoverable	<4.0	1				GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	2.9	1	J			GE							µg/L
Mercury, total recoverable	1.2	1				GE	0.13	1	J			GE	µg/L
Nickel, total recoverable	1.6	1	J			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	26,000	20	JV	■		GE	38,000	40		■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Tin, total recoverable	<50	1				GE							µg/L
Vanadium, total recoverable	0.83	1	J			GE							µg/L
Zinc, total recoverable	21	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 70C (cont.)

Radioactive Constituents

Parameter	3Q	DE	Mod	ST	H	Lab	4Q	DE	Mod	ST	H	Lab	Unit
Americium-241	-4.5E-03	1	UI			GP						pCi/L	
Carbon-14	2.7E+02	1	JV			GP						pCi/L	
Cobalt-60	7.3E-01	1	UI			GP						pCi/L	
Curium-242	-4.0E-02	1	UI			GP						pCi/L	
Curium-243/244	1.3E-01	1	UI			GP						pCi/L	
Curium-245/246	-1.8E-02	1	UI			GP						pCi/L	
Gross alpha	2.6E+00	1				GP	7.5E+00	1				GP pCi/L	
Iodine-129	1.6E+00	1	UI			GP						pCi/L	
Nickel-63	7.3E-01		UI									pCi/L	
Nonvolatile beta	9.5E+01	1		■		GP	9.3E+01	1		■		GP pCi/L	
Plutonium-238	2.9E-01	1	UI			GP						pCi/L	
Plutonium-239/240	1.8E-02	1	UI			GP						pCi/L	
Radium-226	2.3E+00	1	UIV			GP						pCi/L	
Radium-228	2.2E+00	1				GP						pCi/L	
Strontium-90	6.8E-01	1				GP						pCi/L	
Technetium-99	2.2E+02	1				GP						pCi/L	
Thorium-228	1.8E-01	1	UIV			GP						pCi/L	
Thorium-230	4.2E-01	1	UIV			GP						pCi/L	
Thorium-232	8.4E-03	1	UI			GP						pCi/L	
Total alpha emitters													
Total beta emitters	4.9E+02			■								pCi/L	
Tritium	3.3E+03	1		■		GP	4.6E+03	1		■		GP pCi/mL	
Uranium-233/234	1.4E-01	1	UI			GP						pCi/L	
Uranium-235	8.3E-02	1	UI			GP						pCi/L	
Uranium-238	2.8E-02	1	UI			GP						pCi/L	

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 71

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N72875.9 E55279.2	33.277148 °N 81.662799 °W	234.8-204.8 ft msl	241.4 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE	07/18/96	10/03/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	223.6	230.8	ft msl
pH	6.2	5.4	pH
Sp. conductance	26	56	µS/cm
Water temperature	21.0	19.0	°C
Alkalinity as CaCO ₃	12	1	mg/L
Turbidity	5	4	NTU
Volumes purged	5.4	4.7	well volumes
Sampling code			
Synchronous water level	225.9 (09/17/96)	226.3 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	<0.20	1				GE	<0.019	1	V			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	1,300	1	V			GE	1,800	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 71 (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	7.5E-01	1				GP	6.8E-01	1	J			GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	1.7E+00	1				GP	1.7E+00	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	1.2E+02	1		■		GP	1.0E+02	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 71C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N72866.6 E55281.5	33.277131 °N 81.662775 °W	181.9-171.9 ft msl	241.6 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE	07/18/96	10/21/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	220.7	220.6	ft msl
pH	9.8	6.2	pH
Sp. conductance	240	260	µS/cm
Water temperature	21.0	26.0	°C
Alkalinity as CaCO ₃	10	19	mg/L
Turbidity	4	2	NTU
Volumes purged	0.062	0.031	well volumes
Sampling code	X	X	
Synchronous water level	221.2 (09/17/96)	219.5 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	1.2	1				GE	0.13	1	J			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	25,000	20	JV	■		GE	25,000	20		■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 71C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	3.8E+00	1				GP	2.3E+00	1				GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	4.8E+01	1				GP	1.5E+01	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	3.4E+03	1		■		GP	3.1E+03	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 83A

<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>
N71648.6 E58606.1	33.279861 °N 81.651655 °W	76.0-65.2 ft msl	237.3 ft msl	4" PVC	S	M. Congaree (IIA)

<u>SAMPLE DATE</u>	<u>07/11/96</u>	<u>10/04/96</u>
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FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	173.4	173.5	ft msl
pH	6.8	5.2	pH
Sp. conductance	160	160	µS/cm
Water temperature	26.0	18.0	°C
Alkalinity as CaCO ₃	77	1	mg/L
Turbidity	2	1	NTU
Volumes purged	2.4	2.9	well volumes
Sampling code			
Synchronous water level	173.3 (09/16/96)	173.3 (12/12/96)	ft msl

ANALYTICAL DATA***Inorganic Constituents***

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	<0.29	1	V			GE	<0.015	1	JV			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	370	1	V			GE	320	1				GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 83A (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	6.2E-01	1	UI			GP	1.5E+00	1				GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	6.7E-01	1	UI			GP	2.8E+00	1				TM	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	-2.1E-01	1	UI			GP	-1.0E-01	1	UI			TM	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 83B

<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>
N71639.6 E58594.9	33.279823 °N 81.651667 °W	132.1-121.2 ft msl	237 ft msl	4" PVC	S	McBean (IIB1)

SAMPLE DATE	07/11/96	10/04/96
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FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	222.1	222.6	ft msl
pH	6.6	5.6	pH
Sp. conductance	100	100	µS/cm
Water temperature	27.0	19.0	°C
Alkalinity as CaCO ₃	41	10	mg/L
Turbidity	1	1	NTU
Volumes purged	2.4	2.1	well volumes
Sampling code			
Synchronous water level	222.5 (09/16/96)	222.1 (12/12/96)	ft msl

ANALYTICAL DATA**Inorganic Constituents**

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	<0.27	1	V			GE	<0.20	1	J			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	460	1	V			GE	250	1				GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 83B (cont.)

Radioactive Constituents

Parameter	3Q	DE	Mod	ST	H	Lab	4Q	DE	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	3.5E-01	1	UI			GP	3.4E-01	1	UI			GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	6.3E-01	1	UI			GP	1.1E+00	1	UI			GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	1.4E+00	1				GP	1.2E+00	1				GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 83C

<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>
N71636.9 E58614.8	33.279849 °N 81.651609 °W	171.2-160.2 ft msl	237.1 ft msl	4" PVC	S	Bamwell (IIB1)

SAMPLE DATE	07/11/96	10/04/96
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FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	224.0	223.9	ft msl
pH	5.2	4.6	pH
Sp. conductance	20	24	µS/cm
Water temperature	26.0	20.0	°C
Alkalinity as CaCO ₃	8	0	mg/L
Turbidity	1	1	NTU
Volumes purged	2.6	3.2	well volumes
Sampling code			
Synchronous water level	224.5 (09/16/96)	223.5 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	0.42	1	V			GE	<0.20	1	J			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	290	1	V			GE	230	1				GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 83C (cont.)

Radioactive Constituents

Parameter	3Q	DE	Mod	ST	H	Lab	4Q	DE	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	9.1E-02	1	UI			GP	5.5E-01	1				GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	-2.4E-02	1	UI			GP	1.0E+00	1	UI			GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	4.3E-02	1	UI			GP	2.6E-01	1	UI			GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 83D

<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>
N71628.1 E58601.7	33.279809 °N 81.651627 °W	228.7-198.7 ft msl	237 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE	07/11/96	10/04/96
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FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	223.5	223.5	ft msl
pH	5.0	4.6	pH
Sp. conductance	56	58	µS/cm
Water temperature	26.0	19.0	°C
Alkalinity as CaCO ₃	10	0	mg/L
Turbidity	2	2	NTU
Volumes purged	3.5	3.6	well volumes
Sampling code			
Synchronous water level	223.8 (09/16/96)	223.2 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	0.17	1	J			GE	<0.18	1	JV			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	4,700	4	V			GE	3,800	5				GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 83D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	1.4E+00	1				GP	2.3E+00	1				GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	1.4E+01	1				GP	1.6E+01	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	2.0E+02	1		■		GP	4.5E+02	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 84A

<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>
N71586.2 E56359.1	33.276057 °N 81.657450 °W	75.9-64.7 ft msl	228.7 ft msl	4" PVC	V	L. Congaree (IIA)

SAMPLE DATE	07/19/96	10/16/96
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FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	172.2	171.9	ft msl
pH	6.6	5.6	pH
Sp. conductance	140	100	µS/cm
Water temperature	26.0	25.0	°C
Alkalinity as CaCO ₃	52	36	mg/L
Turbidity	1	0	NTU
Volumes purged	2.1	2.1	well volumes
Sampling code			
Synchronous water level	171.8 (09/16/96)	171.9 (12/12/96)	ft msl

ANALYTICAL DATA**Inorganic Constituents**

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	<0.20	1				GE	<0.052	1	V			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	550	1				GE	310	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 84A (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	9.6E-01	1				GP	1.2E+00	1				GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	2.9E+01	1				GP	2.7E+01	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	7.6E+00	1				GP	5.2E+00	1				GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 84B

<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>
N71603.3 E56352.4	33.276084 °N 81.657501 °W	132.9-121.8 ft msl	228.9 ft msl	4" PVC	S	McBean (IIB1)

SAMPLE DATE 07/19/96 10/15/96

FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	210.0	210.4	ft msl
pH	7.4	10.8	pH
Sp. conductance	120	200	µS/cm
Water temperature	27.0	27.0	°C
Alkalinity as CaCO ₃	60	61	mg/L
Turbidity	4	2	NTU
Volumes purged	0.017	0.017	well volumes
Sampling code	X	X	
Synchronous water level	210.2 (09/16/96)	209.9 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	0.018	1	J			GE	0.031	1	J			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	1,700	1				GE	2,300	2	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 84B (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	5.9E-01	1	UI			GP	6.3E-01	1	UI			GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	5.5E+00	1				GP	6.5E+00	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	5.3E+01	1		■		GP	7.2E+01	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 84C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N71597.1 E56360.1	33.276083 °N 81.657469 °W	181.8-170.9 ft msl	229.1 ft msl	4" PVC	S	Bamwell (IIB1)

SAMPLE DATE 07/19/96 10/15/96

FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	199.5	212.9	ft msl
pH	7.0	6.6	pH
Sp. conductance	66	78	µS/cm
Water temperature	26.0	27.0	°C
Alkalinity as CaCO ₃	42	4	mg/L
Turbidity	1	9	NTU
Volumes purged	0.053	0.036	well volumes
Sampling code	X	X	
Synchronous water level	213.0 (09/16/96)	212.7 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	<0.20	1				GE	0.020	1	J			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	2,700	2				GE	3,000	2	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 84C (cont.)

Radioactive Constituents

Parameter	3Q	DE	Mod	ST	H	Lab	4Q	DE	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	5.3E-01	1				GP	9.1E-01	1				GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	4.7E+00	1				GP	1.0E+01	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	4.6E+02	1		■		GP	4.4E+02	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 84D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N71583.9 E56349.9	33.276037 °N 81.657470 °W	219.5-199.5 ft msl	228.8 ft msl	4" PVC	V	Water Table (IIB2)

SAMPLE DATE	07/09/96	10/10/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	217.9	217.8	ft msl
pH	4.4	4.4	pH
Sp. conductance	46	40	µS/cm
Water temperature	26.0	27.0	°C
Alkalinity as CaCO ₃	1	0	mg/L
Turbidity	2	0	NTU
Volumes purged	4.1	2.7	well volumes
Sampling code			
Synchronous water level	218.0 (09/16/96)	217.6 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	5.3	1	V			GE							µg/L
Cadmium, total recoverable	<2.0	1				GE							µg/L
Chromium, total recoverable	1.2	1	J			GE							µg/L
Cobalt, total recoverable	1.3	1	J			GE							µg/L
Copper, total recoverable	1.6	1	J			GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	<5.0	1				GE							µg/L
Mercury, total recoverable	0.077	1	J			GE	<0.11	1	JV			GE	µg/L
Nickel, total recoverable	<10	1				GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	3,100	2				GE	2,400	2	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Tin, total recoverable	<50	1				GE							µg/L
Vanadium, total recoverable	0.50	1	J			GE							µg/L
Zinc, total recoverable	7.1	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<5.0	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 84D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	-8.7E-02	1	UI			GP							pCi/L
Carbon-14	1.1E+01	1				GP							pCi/L
Cobalt-60	7.4E+00	1				GP							pCi/L
Curium-242	8.7E-02	1	UI			GP							pCi/L
Curium-243/244	2.4E-01	1	UI			GP							pCi/L
Curium-245/246	-3.0E-02	1	UI			GP							pCi/L
Gross alpha	1.8E+00	1				GP	8.5E-01	1	UI			GP	pCi/L
Iodine-129	2.1E+00	1	UI			GP							pCi/L
Nickel-63	7.4E+00												pCi/L
Nonvolatile beta	2.9E+02	1		■		GP	6.2E+01	1		■		GP	pCi/L
Plutonium-238	1.5E-01	1	UI			GP							pCi/L
Plutonium-239/240	-2.9E-03	1	UI			GP							pCi/L
Radium-226	1.8E+00	1	UIV			GP							pCi/L
Radium-228	-8.2E-02	1	UI			GP							pCi/L
Strontium-90	1.6E+02	1		■		GP							pCi/L
Technetium-99	5.0E+00	1	UI			GP							pCi/L
Thorium-228	1.7E-02	1	UI			GP							pCi/L
Thorium-230	2.3E-02	1	UI			GP							pCi/L
Thorium-232	-4.3E-03	1	UI			GP							pCi/L
Total alpha emitters	4.5E-01												pCi/L
Total beta emitters	1.9E+02			■									pCi/L
Tritium	2.3E+02	1		■		GP	2.1E+02	1		■		GP	pCi/mL
Uranium-233/234	4.5E-01	1				GP							pCi/L
Uranium-235	-3.7E-03	1	UI			GP							pCi/L
Uranium-238	2.2E-01	1	UIV			GP							pCi/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

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	08/01/96	11/06/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	168.8	168.5	ft msl
pH	6.8	6.0	pH
Sp. conductance	180	160	µS/cm
Water temperature	28.0	20.0	°C
Alkalinity as CaCO ₃	20	2	mg/L
Turbidity	4	1	NTU
Volumes purged	2.2	2.8	well volumes
Sampling code			
Synchronous water level	168.9 (09/17/96)	168.5 (12/16/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable							2.2	1	J			GE	µg/L
Arsenic, total recoverable							2.2	1	J			GE	µg/L
Barium, total recoverable							33	1	V			GE	µg/L
Cadmium, total recoverable	<2.0	1				GE	1.9	1	JV			GE	µg/L
Chromium, total recoverable							2.7	1	J			GE	µg/L
Cobalt, total recoverable													
Copper, total recoverable							13	1				GE	µg/L
Cyanide													
Lead, total recoverable	<5.0	1				GE	<1.9	1	V			GE	µg/L
Mercury, total recoverable	0.31	1	J			GE	0.87	1	V			GE	µg/L
Nickel, total recoverable							1.3	1	J			GE	µg/L
Nitrate as nitrogen	48	1				WA	<10	1				GE	µg/L
Nitrate-nitrite as nitrogen	660	1	V			GE	210	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable							2.7	1	J			GE	µg/L
Silver, total recoverable							<2.0	1				GE	µg/L
Tin, total recoverable							1.2	1	J			GE	µg/L
Vanadium, total recoverable													
Zinc, total recoverable							<4.8	1	JV			GE	µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene							<2.0	1				GE	µg/L
Bis(2-ethylhexyl) phthalate													
Dichloromethane							<10	1				GE	µg/L
Tetrachloroethylene							<2.0	1				GE	µg/L
Trichloroethylene							<2.0	1				GE	µg/L
Trichlorofluoromethane							<2.0	1				GE	µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 85A (cont.)

Radioactive Constituents

Parameter	3Q	DE	Mod	ST	H	Lab	Unit
Americium-241							
Carbon-14							
Cobalt-60							
Curium-242							
Curium-243/244							
Curium-245/246							
Gross alpha	2.6E+00	1				TM	
Iodine-129							
Nickel-63							
Nonvolatile beta	2.8E+00	1				TM	
Plutonium-238							
Plutonium-239/240							
Radium-226							
Radium-228							
Strontium-90							
Technetium-99							
Thorium-228							
Thorium-230							
Thorium-232							
Total alpha emitters							
Total beta emitters							
Tritium	-7.0E-02	1	UI			TM	
Uranium-233/234							
Uranium-235							
Uranium-238							

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

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	07/19/96	11/06/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	204.6	231.8	ft msl
pH	11.2	11.4	pH
Sp. conductance	380	440	µS/cm
Water temperature	27.0	20.0	°C
Alkalinity as CaCO ₃	167	346	mg/L
Turbidity	1	2	NTU
Volumes purged	0.021	0.015	well volumes
Sampling code	X	X	
Synchronous water level	238.3 (09/17/96)	231.7 (12/16/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable							1.2	1	J			GE	µg/L
Arsenic, total recoverable							<5.0	1				GE	µg/L
Barium, total recoverable							36	1	V			GE	µg/L
Cadmium, total recoverable							<2.0	1				GE	µg/L
Chromium, total recoverable							4.0	1				GE	µg/L
Cobalt, total recoverable													
Copper, total recoverable							2.1	1	J			GE	µg/L
Cyanide													
Lead, total recoverable							<5.0	1				GE	µg/L
Mercury, total recoverable	<0.20	1				GE	<0.11	1	V			GE	µg/L
Nickel, total recoverable							<10	1				GE	µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	940	1				GE	840	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable							<5.0	1				GE	µg/L
Silver, total recoverable							<2.0	1				GE	µg/L
Tin, total recoverable							<50	1				GE	µg/L
Vanadium, total recoverable													
Zinc, total recoverable							<4.0	1	JV			GE	µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene							<2.0	1				GE	µg/L
Bis(2-ethylhexyl) phthalate													
Dichloromethane							<10	1				GE	µg/L
Tetrachloroethylene							<2.0	1				GE	µg/L
Trichloroethylene							<2.0	1				GE	µg/L
Trichlorofluoromethane							<2.0	1				GE	µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 85B (cont.)

Radioactive Constituents

Parameter	3Q	DE	Mod	ST	H	Lab	4Q	DE	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14							5.7E-01	1	UI			GP	pCi/L
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	5.1E-01	1	UI			GP	2.4E-01	1	UI			GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	4.0E+00	1				GP	3.2E+00	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90							9.9E-01	1				GP	pCi/L
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters							9.9E-01						pCi/L
Total beta emitters							3.5E+00	1				GP	pCi/mL
Tritium	3.1E+00	1				GP							
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

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 07/19/96 11/06/96

FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	238.3	237.5	ft msl
pH	4.6	4.6	pH
Sp. conductance	32	36	µS/cm
Water temperature	27.0	21.0	°C
Alkalinity as CaCO ₃	2	1	mg/L
Turbidity	1	1	NTU
Volumes purged	3.9	5.0	well volumes
Sampling code			
Synchronous water level	232.1 (09/17/96)	237.2 (12/16/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable							<5.0	1				GE	µg/L
Arsenic, total recoverable							<5.0	1				GE	µg/L
Barium, total recoverable							9.2	1	V			GE	µg/L
Cadmium, total recoverable							<0.21	1	V			GE	µg/L
Chromium, total recoverable							0.61	1	J			GE	µg/L
Cobalt, total recoverable													
Copper, total recoverable							24	1				GE	µg/L
Cyanide													
Lead, total recoverable							<1.6	1	V			GE	µg/L
Mercury, total recoverable	<0.20	1				GE	<0.12	1	V			GE	µg/L
Nickel, total recoverable							<10	1				GE	µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	2,400	2				GE	2,600	2	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable							<5.0	1				GE	µg/L
Silver, total recoverable							<2.0	1				GE	µg/L
Tin, total recoverable							<50	1				GE	µg/L
Vanadium, total recoverable													
Zinc, total recoverable							<5.0	1	J			GE	µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene							<2.0	1				GE	µg/L
Bis(2-ethylhexyl) phthalate													
Dichloromethane							<10	1				GE	µg/L
Tetrachloroethylene							<2.0	1				GE	µg/L
Trichloroethylene							<2.0	1				GE	µg/L
Trichlorofluoromethane							<2.0	1				GE	µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 85C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14							-9.2E-01	1	UI			GP	pCi/L
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	2.3E+00	1	J			GP	1.4E+00	1				GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	2.0E+00	1				GP	1.6E+00	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90							1.1E-01	1	UI			GP	pCi/L
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	8.7E+00	1				GP	8.6E+00	1				GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 86A

<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>
N72520.2 E55985.9	33.277514 °N 81.660247 °W	73.9-63.1 ft msl	262.4 ft msl	4" PVC	S	L. Congaree (IIA)

SAMPLE DATE 08/09/96 10/15/96

FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	169.7	168.4	ft msl
pH	5.8	6.0	pH
Sp. conductance	200	120	µS/cm
Water temperature	27.0	26.0	°C
Alkalinity as CaCO ₃	59	29	mg/L
Turbidity	1	0	NTU
Volumes purged	2.3	2.2	well volumes
Sampling code			
Synchronous water level	168.6 (09/16/96)	168.7 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	<0.20	1				GE	0.076	1	J			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	240	1	V			GE	310	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 86A (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	2.3E+00	1	J1			TM	1.9E+00	1				GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	3.0E+00	1				TM	1.8E+01	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	1.0E+00	1				GP	2.2E-01	1	UI			GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 86B

<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>
N72519.0 E55976.9	33.277497 °N 81.660269 °W	124.0-113.8 ft msl	261.9 ft msl	4" PVC	S	McBean (IIB1)

SAMPLE DATE 08/09/96 10/15/96

FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	220.6	220.1	ft msl
pH	7.4	6.6	pH
Sp. conductance	160	200	µS/cm
Water temperature	28.0	27.0	°C
Alkalinity as CaCO ₃	75	70	mg/L
Turbidity	2	1	NTU
Volumes purged	2.3	2.3	well volumes
Sampling code			
Synchronous water level	220.1 (09/16/96)	219.7 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	<0.20	1				GE	0.060	1	J			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	380	1	V			GE	330	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 86B (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	6.2E-01	1	UI			GP	2.8E-01	1	UI			GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	1.1E+00	1	UI			GP	7.8E-01	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	3.4E-01	1	UI			GP	1.4E-01	1	UI			GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 86C

<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>
N72529.7 E55984.6	33.277533 °N 81.660269 °W	199.4-189.4 ft msl	262.9 ft msl	4" PVC	V	Bamwell (IIB1)

SAMPLE DATE 07/29/96 10/11/96

FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	221.4	221.5	ft msl
pH	4.4	4.8	pH
Sp. conductance	420	440	µS/cm
Water temperature	24.0	22.0	°C
Alkalinity as CaCO ₃	0	0	mg/L
Turbidity	1	0	NTU
Volumes purged	2.7	2.3	well volumes
Sampling code			
Synchronous water level	221.9 (09/16/96)	222.4 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	0.69	1				GE	0.89	1	JV			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	51,000	50	JV	■		GE	47,000	100	V	■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 86C (cont.)

Radioactive Constituents

Parameter	3Q	DE	Mod	ST	H	Lab	4Q	DE	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	2.5E+01	1		■		GP	2.7E+01	1		■		GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	1.2E+03	1	V	■		GP	1.5E+02	1		■		GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	1.2E+04	1		■		GP	1.2E+04	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 86D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N72522.1 E55996.5	33.277536 °N 81.660223 °W	236.6-206.6 ft msl	263 ft msl	4" PVC	V	Water Table (IIB2)

SAMPLE DATE 07/29/96 10/11/96

FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	221.3	221.5	ft msl
pH	4.4	3.8	pH
Sp. conductance	360	360	µS/cm
Water temperature	25.0	23.0	°C
Alkalinity as CaCO ₃	0	0	mg/L
Turbidity	25	2	NTU
Volumes purged	6.4	2.4	well volumes
Sampling code			
Synchronous water level	221.8 (09/16/96)	220.9 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	0.42	1				GE	<0.40	1	V			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	35,000	50	JV	■		GE	30,000	50	V	■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB 86D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	3.5E+01	1		■		GP	4.6E+01	1		■		GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	2.3E+03	1	V	■		GP	2.6E+03	1		■		GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	5.6E+03	1		■		GP	4.9E+03	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB100C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N72077.2 E58806.5	33.281136 °N 81.651960 °W	163.0-153.0 ft msl	260.2 ft msl	4" PVC	S	Bamwell (IIB1)

SAMPLE DATE	08/20/96	10/15/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	226.3	225.8	ft msl
pH	5.0	5.4	pH
Sp. conductance	30	32	µS/cm
Water temperature	23.0	26.0	°C
Alkalinity as CaCO ₃	9	6	mg/L
Turbidity	1	1	NTU
Volumes purged	2.4	2.5	well volumes
Sampling code			
Synchronous water level	226.2 (09/16/96)	225.3 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<1.8	1	V			GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	2.9	1	J			GE							µg/L
Cadmium, total recoverable	<2.0	1				GE							µg/L
Chromium, total recoverable	8.9	1	V			WA							µg/L
Cobalt, total recoverable	<4.0	1				GE							µg/L
Copper, total recoverable	1.4	1	J			GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	<5.0	1				GE							µg/L
Mercury, total recoverable	0.20	1				GE	0.055	1	J			GE	µg/L
Nickel, total recoverable	<10	1				GE							µg/L
Nitrate as nitrogen													µg/L
Nitrate-nitrite as nitrogen	330	1	V			GE	510	1	V			GE	µg/L
Nitrite as nitrogen													µg/L
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1	J			GE							µg/L
Tin, total recoverable	<50	1				GE							µg/L
Vanadium, total recoverable	0.68	1	J			GE							µg/L
Zinc, total recoverable	79	1				WA							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<3.2	1	V			WA							µg/L
Dichloromethane	<5.0	1				WA							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	1.6	1	J			WA							µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB100C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	1.0E+00	1				TM							pCi/L
Carbon-14	-5.2E-01	1	UI			GP							pCi/L
Cobalt-60	-1.4E-01	1	UI			TM							pCi/L
Curium-242	-2.1E-02	1	UI			GP							pCi/L
Curium-243/244	0.0E+00	1	UI			TM							pCi/L
Curium-245/246	2.6E-02	1	UI			GP							pCi/L
Gross alpha	-6.9E-02	1	UI			GP	5.6E-01	1	UI			GP	pCi/L
Iodine-129	-1.7E-01	1	UI			GP							pCi/L
Nickel-63	-1.4E-01		UI										pCi/L
Nonvolatile beta	3.0E+00	1				TM	5.5E-01	1	UI			GP	pCi/L
Plutonium-238	4.4E-03	1	UI			GP							pCi/L
Plutonium-239/240	0.0E+00	1	UI			GP							pCi/L
Radium-226	7.5E-01	1				GP							pCi/L
Radium-228	0.0E+00	1	UI			TM							pCi/L
Strontium-90	0.0E+00	1	UI			TM							pCi/L
Technetium-99	-5.7E-01	1	UI			TM							pCi/L
Thorium-228	5.6E-01	1	J1			TM							pCi/L
Thorium-230	1.6E-01	1	UIV			GP							pCi/L
Thorium-232	3.9E-03	1	UI			GP							pCi/L
Total alpha emitters	1.6E+00												pCi/L
Total beta emitters													pCi/L
Tritium	1.5E+00	1				TM	5.2E-01	1	UI			GP	pCi/mL
Uranium-233/234	-3.6E-03	1	UI			GP							pCi/L
Uranium-235	-3.6E-03	1	UI			GP							pCi/L
Uranium-238	-3.6E-03	1	UI			GP							pCi/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB100D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N72073.8 E58796.9	33.281113 °N 81.651978 °W	236.9-216.9 ft msl	260.1 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE	08/08/96	10/15/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	232.9	232.4	ft msl
pH	4.4	4.8	pH
Sp. conductance	48	84	µS/cm
Water temperature	27.0	27.0	°C
Alkalinity as CaCO ₃	5	3	mg/L
Turbidity	1	2	NTU
Volumes purged	3.1	3.4	well volumes
Sampling code			
Synchronous water level	232.9 (09/16/96)	231.9 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	SI	H	Lab	4Q	DF	Mod	SI	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	2.1	1	J			GE							µg/L
Barium, total recoverable	24	1				GE							µg/L
Cadmium, total recoverable	<2.0	1				GE							µg/L
Chromium, total recoverable	<4.0	1				GE							µg/L
Cobalt, total recoverable	0.43	1	J			GE							µg/L
Copper, total recoverable	43	1	V			GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	6.5	1				GE							µg/L
Mercury, total recoverable	<0.20	1				GE	0.051	1	J			GE	µg/L
Nickel, total recoverable	1.4	1	J			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	6,100	10	V			GE	5,300	10	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Tin, total recoverable	<50	1				GE							µg/L
Vanadium, total recoverable	0.64	1	J			GE							µg/L
Zinc, total recoverable	42	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	SI	H	Lab	4Q	DF	Mod	SI	H	Lab	Unit
Benzene	<2.0	1	J			GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<1.3	1	V			GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB100D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	2.7E-02	1	UI			GP							pCi/L
Carbon-14	1.4E+01	1				GP							pCi/L
Cobalt-60	5.9E-01	1	UI			GP							pCi/L
Curium-242	-1.2E-02	1	UI			GP							pCi/L
Curium-243/244	-1.5E-02	1	UI			GP							pCi/L
Curium-245/246	1.3E-02	1	UI			GP							pCi/L
Gross alpha	3.8E+00	1				GP	3.2E+00	1				GP	pCi/L
Iodine-129	4.4E-03	1	UI			GP							pCi/L
Nickel-63	5.9E-01		UI										pCi/L
Nonvolatile beta	6.9E+01	1		■		GP	7.2E+01	1		■		GP	pCi/L
Plutonium-238	-9.4E-02	1	UI			GP							pCi/L
Plutonium-239/240	1.3E-01	1	UI			GP							pCi/L
Radium-226	2.9E+00	1	J			GP							pCi/L
Radium-228	1.0E+00	1	UI			GP							pCi/L
Strontium-90	3.2E+01	1		■		GP							pCi/L
Technetium-99	1.1E+01	1	UI			GP							pCi/L
Thorium-228	1.8E-02	1	UI			GP							pCi/L
Thorium-230	3.2E-01	1	UIV			GP							pCi/L
Thorium-232	6.3E-02	1	UI			GP							pCi/L
Total alpha emitters	2.8E-01												pCi/L
Total beta emitters	4.6E+01												pCi/L
Tritium	2.6E+02	1		■		GP	2.3E+02	1		■		GP	pCi/mL
Uranium-233/234	2.8E-01	1				GP							pCi/L
Uranium-235	1.6E-02	1	UI			GP							pCi/L
Uranium-238	0.0E+00	1	UI			GP							pCi/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB101C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N72001.9 E58604.4	33.280640 °N 81.652346 °W	176.3-166.3 ft msl	258.5 ft msl	4" PVC	S	Bamwell (IIB1)

SAMPLE DATE 07/22/96 10/16/96

FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	224.7	224.7	ft msl
pH	5.6	5.0	pH
Sp. conductance	34	38	µS/cm
Water temperature	26.0	24.0	°C
Alkalinity as CaCO ₃	15	8	mg/L
Turbidity	1	1	NTU
Volumes purged	2.6	2.6	well volumes
Sampling code			
Synchronous water level	224.9 (09/16/96)	224.2 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	9.3	1	V			GE							µg/L
Cadmium, total recoverable	<2.0	1				GE							µg/L
Chromium, total recoverable	2.7	1	J			GE							µg/L
Cobalt, total recoverable	<0.34	1	V			GE							µg/L
Copper, total recoverable	0.74	1	J			GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	<5.0	1				GE							µg/L
Mercury, total recoverable	<0.20	1				GE	<0.20	1				GE	µg/L
Nickel, total recoverable	<10	1				GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	960	1				GE	1,000	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Tin, total recoverable	<50	1				GE							µg/L
Vanadium, total recoverable	<0.69	1	V			GE							µg/L
Zinc, total recoverable	<6.1	1	V			GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB101C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	9.8E-02	1	UI			GP							pCi/L
Carbon-14	-2.6E-01	1	UI			GP							pCi/L
Cobalt-60	-7.9E-01	1	UI			GP							pCi/L
Curium-242	-2.4E-03	1	UI			GP							pCi/L
Curium-243/244	-9.8E-02	1	UI			GP							pCi/L
Curium-245/246	-2.0E-02	1	UI			GP							pCi/L
Gross alpha	5.4E-01	1	J			GP	3.8E-01	1	UI			GP	pCi/L
Iodine-129	-1.9E-01	1	UI			GP							pCi/L
Nickel-63	-7.9E-01		UI										pCi/L
Nonvolatile beta	1.4E+00	1				GP	-1.3E+00	1	UI			GP	pCi/L
Plutonium-238	1.1E-02	1	UI			GP							pCi/L
Plutonium-239/240	3.1E-02	1	UI			GP							pCi/L
Radium-226	9.7E-01	1	UIV			GP							pCi/L
Radium-228	-2.9E-01	1	UII			GP							pCi/L
Strontium-90	3.6E-01	1	UI			GP							pCi/L
Technetium-99	-5.8E-01	1	UI			GP							pCi/L
Thorium-228	1.6E-01	1	UI			GP							pCi/L
Thorium-230	1.3E-01	1				GP							pCi/L
Thorium-232	2.2E-02	1	UI			GP							pCi/L
Total alpha emitters	1.3E-01												pCi/L
Total beta emitters													
Tritium	6.5E+00	1				GP	6.8E+00	1				GP	pCi/mL
Uranium-233/234	7.6E-02	1	UI			GP							pCi/L
Uranium-235	-1.5E-02	1	UI			GP							pCi/L
Uranium-238	4.7E-02	1	UI			GP							pCi/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB101D

SRS Coord. Lat/Longitude Screen Zone Elevation Top of Casing Casing Pump Screen Zone
N71997.5 33.280614 °N 236.1-216.1 ft msl 258.7 ft msl 4" PVC V Water Table (IIB2)
E58594.8 81.652362 °W

SAMPLE DATE 07/26/96 11/01/96

FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	229.4	229.4	ft msl
pH	7.2	6.6	pH
Sp. conductance	520	500	µS/cm
Water temperature	28.0	25.0	°C
Alkalinity as CaCO ₃	70	76	mg/L
Turbidity	1	11	NTU
Volumes purged	0.0	0.11	well volumes
Sampling code	X	X	
Synchronous water level	229.7 (09/16/96)	229.5 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable	<2.4	1	V			GE							µg/L
Arsenic, total recoverable	7.2	1				GE							µg/L
Barium, total recoverable	1.9	1	JV			GE							µg/L
Cadmium, total recoverable	<0.11	1	V			GE							µg/L
Chromium, total recoverable	<2.9	1	V			GE							µg/L
Cobalt, total recoverable	<1.3	1	V			GE							µg/L
Copper, total recoverable	<2.8	1	V			GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	<5.0	1				GE							µg/L
Mercury, total recoverable	4.3	1		■		GE	4.9	1	V	■		GE	µg/L
Nickel, total recoverable	<10	1				GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	42,000	50	JV	■		GE	47,000	40		■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Tin, total recoverable	<3.2	1	V			GE							µg/L
Vanadium, total recoverable	41	1	V			GE							µg/L
Zinc, total recoverable	3.5	1	J			GE							µg/L

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<1.0	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB101D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	-2.4E-02	1	UI			GP							pCi/L
Carbon-14	3.6E+02	1	JV			GP							pCi/L
Cobalt-60	-2.4E-02	1	UI			GP							pCi/L
Curium-242	-8.2E-03	1	UI			GP							pCi/L
Curium-243/244	1.1E-01	1	UI			GP							pCi/L
Curium-245/246	-8.9E-03	1	UI			GP							pCi/L
Gross alpha	2.8E+00	1				GP	7.3E-01	1	J			GP	pCi/L
Iodine-129	4.4E+00	1				GP							pCi/L
Nickel-63	-2.4E-02		UI										pCi/L
Nonvolatile beta	3.8E+01	1	V			GP	9.4E+00	1				GP	pCi/L
Plutonium-238	-5.5E-02	1	UI			GP							pCi/L
Plutonium-239/240	1.1E-01	1	UI			GP							pCi/L
Radium-226	4.3E-01	1	UIV			GP							pCi/L
Radium-228	-1.6E-01	1	UI			GP							pCi/L
Strontium-90	1.0E+01	1	V	■		GP							pCi/L
Technetium-99	1.0E+02	1				GP							pCi/L
Thorium-228	6.5E-02	1	UI			GP							pCi/L
Thorium-230	4.1E-01	1	UIV			GP							pCi/L
Thorium-232	3.5E-02	1	UI			GP							pCi/L
Total alpha emitters	8.4E+00												pCi/L
Total beta emitters	4.8E+02			■									pCi/L
Tritium	5.3E+03	1		■		GP	5.6E+03	1		■		GP	pCi/mL
Uranium-233/234	3.8E+00	1				GP							pCi/L
Uranium-235	3.7E-01	1				GP							pCi/L
Uranium-238	4.3E+00	1				GP							pCi/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB102C

<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>
N71960.1 E58399.7	33.280213 °N 81.652803 °W	176.7-166.7 ft msl	259 ft msl	4" PVC	S	Barnwell (IIB1)

<u>SAMPLE DATE</u>	07/24/96	10/16/96
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FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	224.1	223.6	ft msl
pH	6.0	5.6	pH
Sp. conductance	160	160	µS/cm
Water temperature	26.0	25.0	°C
Alkalinity as CaCO ₃	14	15	mg/L
Turbidity	1	0	NTU
Volumes purged	2.6	2.3	well volumes
Sampling code			
Synchronous water level	224.0 (09/16/96)	223.1 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable	<2.8	1	V			GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	36	1	V			GE							µg/L
Cadmium, total recoverable	<2.0	1				GE							µg/L
Chromium, total recoverable	<4.0	1				GE							µg/L
Cobalt, total recoverable	1.5	1	J			GE							µg/L
Copper, total recoverable	<4.0	1				GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	<5.0	1				GE							µg/L
Mercury, total recoverable	0.38	1				GE	0.46	1	V			GE	µg/L
Nickel, total recoverable	2.5	1	J			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	19,000	10	V	■		GE	16,000	20	V	■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Tin, total recoverable	<50	1				GE							µg/L
Vanadium, total recoverable	<10	1				GE							µg/L
Zinc, total recoverable	20	1	V			GE							µg/L

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB102C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	7.7E-02	1	UI			GP							pCi/L
Carbon-14	3.4E+00	1	UI			GP							pCi/L
Cobalt-60	2.0E+00	1	UI			GP							pCi/L
Curium-242	1.0E-01	1	UI			GP							pCi/L
Curium-243/244	-6.3E-02	1	UI			GP							pCi/L
Curium-245/246	-7.6E-03	1	UI			GP							pCi/L
Gross alpha	2.2E+00	1				GP	1.6E+00	1				GP	pCi/L
Iodine-129	6.3E-01	1	UI			GP							pCi/L
Nickel-63	2.0E+00		UI										pCi/L
Nonvolatile beta	6.0E+00	1				GP	4.8E+00	1				GP	pCi/L
Plutonium-238	-7.8E-02	1	UI			GP							pCi/L
Plutonium-239/240	2.4E-02	1	UI			GP							pCi/L
Radium-226	1.7E+00	1	UIV			GP							pCi/L
Radium-228	-1.3E+00	1	UI			GP							pCi/L
Strontium-90	-4.4E-01	1	UI			GP							pCi/L
Technetium-99	3.0E+00	1	UI			GP							pCi/L
Thorium-228	6.5E-03	1	UI			GP							pCi/L
Thorium-230	1.4E-01	1	UI			GP							pCi/L
Thorium-232	-1.6E-02	1	UI			GP							pCi/L
Total alpha emitters													
Total beta emitters													
Tritium	1.6E+02	1		■		GP	1.5E+02	1		■		GP	pCi/mL
Uranium-233/234	2.4E-02	1	UI			GP							pCi/L
Uranium-235	4.6E-02	1	UI			GP							pCi/L
Uranium-238	-6.9E-03	1	UI			GP							pCi/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB102D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N71952.4 E58393.4	33.280186 °N 81.652805 °W	236.3-216.3 ft msl	258.6 ft msl	4" PVC	V	Water Table (IIB2)

SAMPLE DATE 08/01/96 10/15/96

FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	227.1	226.9	ft msl
pH	4.0	3.6	pH
Sp. conductance	180	140	µS/cm
Water temperature	26.0	20.0	°C
Alkalinity as CaCO ₃	0	0	mg/L
Turbidity	28	7	NTU
Volumes purged	0.0	1.0	well volumes
Sampling code	X		
Synchronous water level	227.4 (09/16/96)	226.4 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<1.8	1	V			GE							µg/L
Arsenic, total recoverable	2.1	1	J			GE							µg/L
Barium, total recoverable	29	1				GE							µg/L
Cadmium, total recoverable	0.21	1	J			GE							µg/L
Chromium, total recoverable	2.4	1	J			GE							µg/L
Cobalt, total recoverable	2.7	1	J			GE							µg/L
Copper, total recoverable	37	1				GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	41	1		■		GE							µg/L
Mercury, total recoverable	4.5	1		■		GE	0.32	1	V			GE	µg/L
Nickel, total recoverable	12	1				GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	17,000	50	V	■		GE	12,000	10	V	■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Tin, total recoverable	<50	1				GE							µg/L
Vanadium, total recoverable	0.92	1	J			GE							µg/L
Zinc, total recoverable	66	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	23	1		■		GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB102D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	2.0E-01	1				GP							pCi/L
Carbon-14	9.9E+01	1	V			GP							pCi/L
Cobalt-60	3.6E+01	1				GP							pCi/L
Curium-242	5.7E-02	1	UI			GP							pCi/L
Curium-243/244	2.1E-01	1	UI			GP							pCi/L
Curium-245/246	-1.0E-02	1	UI			GP							pCi/L
Gross alpha	7.2E+01	1		■		GP	4.7E+01	1		■		GP	pCi/L
Iodine-129	4.3E+00	1				GP							pCi/L
Nickel-63	3.6E+01												pCi/L
Nonvolatile beta	2.9E+03	1		■		GP	1.0E+03	1		■		GP	pCi/L
Plutonium-238	-1.3E-02	1	UI			GP							pCi/L
Plutonium-239/240	3.1E-01	1				GP							pCi/L
Radium-226	4.5E+00	1				GP							pCi/L
Radium-228	5.6E+00	1		■		GP							pCi/L
Strontium-90	9.8E+02	1	V	■		GP							pCi/L
Technetium-99	4.8E+01	1	J			GP							pCi/L
Thorium-228	2.8E-01	1	UI			GP							pCi/L
Thorium-230	2.3E+00	1	UIV			GP							pCi/L
Thorium-232	-4.0E-02	1	UI			GP							pCi/L
Total alpha emitters	6.6E+01			■									pCi/L
Total beta emitters	1.2E+03			■									pCi/L
Tritium	3.2E+03	1		■		GP	1.2E+03	1		■		GP	pCi/mL
Uranium-233/234	3.1E+01	1	V			GP							pCi/L
Uranium-235	1.9E+00	1				GP							pCi/L
Uranium-238	3.3E+01	1	V			GP							pCi/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB103C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N71593.9 E58323.6	33.279279 °N 81.652293 °W	169.2-159.2 ft msl	247.4 ft msl	4" PVC	S	Bamwell (IIB1)

SAMPLE DATE	08/02/96	10/16/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	223.0	222.6	ft msl
pH	5.0	4.8	pH
Sp. conductance	160	200	µS/cm
Water temperature	26.0	25.0	°C
Alkalinity as CaCO ₃	2	0	mg/L
Turbidity	1	2	NTU
Volumes purged	2.6	2.4	well volumes
Sampling code			
Synchronous water level	223.1 (09/16/96)	221.3 (12/11/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	63	1	V			GE							µg/L
Cadmium, total recoverable	<0.60	1	JV			GE							µg/L
Chromium, total recoverable	<4.0	1				GE							µg/L
Cobalt, total recoverable	13	1	V			GE							µg/L
Copper, total recoverable	<4.0	1				GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	<5.0	1	J			GE							µg/L
Mercury, total recoverable	1.4	1				GE	1.2	1	V			GE	µg/L
Nickel, total recoverable	4.3	1	J			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	24,000	20	JV	■		GE	23,000	20	V	■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Tin, total recoverable	<50	1				GE							µg/L
Vanadium, total recoverable	<10	1				GE							µg/L
Zinc, total recoverable	17	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<1.0	1	V			GE							µg/L
Tetrachloroethylene	1.4	1	J			GE							µg/L
Trichloroethylene	4.3	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB103C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	-7.5E-02	1	UI			GP							pCi/L
Carbon-14	1.2E+02	1				GP							pCi/L
Cobalt-60	-2.2E-01	1	UI			GP							pCi/L
Curium-242	7.4E-03	1	UI			GP							pCi/L
Curium-243/244	-1.2E-01	1	UI			GP							pCi/L
Curium-245/246	-1.0E-02	1	UI			GP							pCi/L
Gross alpha	2.2E+00	1				GP	3.5E+00	1				GP	pCi/L
Iodine-129	0.0E+00	1	UJI			GP							pCi/L
Nickel-63	-2.2E-01		UI										pCi/L
Nonvolatile beta	1.5E+01	1				GP	1.8E+01	1				GP	pCi/L
Plutonium-238	-3.6E-02	1	UI			GP							pCi/L
Plutonium-239/240	7.0E-02	1	UI			GP							pCi/L
Radium-226	3.0E+00	1				GP							pCi/L
Radium-228	2.4E-01	1	UI			GP							pCi/L
Strontium-90	3.5E+00	1				GP							pCi/L
Technetium-99	1.9E+01	1	UI			GP							pCi/L
Thorium-228	6.0E-02	1	UI			GP							pCi/L
Thorium-230	2.1E-01	1				GP							pCi/L
Thorium-232	1.1E-02	1	UI			GP							pCi/L
Total alpha emitters	2.1E-01												pCi/L
Total beta emitters	1.2E+02			■									pCi/L
Tritium	5.5E+02	1		■		GP	5.2E+02	1		■		GP	pCi/mL
Uranium-233/234	7.2E-02	1	UI			GP							pCi/L
Uranium-235	1.3E-02	1	UI			GP							pCi/L
Uranium-238	3.4E-02	1	UI			GP							pCi/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB103D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N71588.1 E58315.6	33.279253 °N 81.652302 °W	233.7-213.7 ft msl	247.6 ft msl	4" PVC	V	Water Table (IIB2)

SAMPLE DATE	07/29/96	10/15/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	224.1	224.0	ft msl
pH	4.6	3.8	pH
Sp. conductance	160	180	µS/cm
Water temperature	22.0	19.0	°C
Alkalinity as CaCO ₃	0	0	mg/L
Turbidity	7	2	NTU
Volumes purged	3.8	0.89	well volumes
Sampling code			
Synchronous water level	224.5 (09/16/96)	223.6 (12/11/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<1.6	1	V			GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	18	1	V			GE							µg/L
Cadmium, total recoverable	<0.16	1	V			GE							µg/L
Chromium, total recoverable	<3.2	1	V			GE							µg/L
Cobalt, total recoverable	<2.4	1	V			GE							µg/L
Copper, total recoverable	<3.7	1	V			GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	1.4	1	J			GE							µg/L
Mercury, total recoverable	1.5	1				GE	1.4	1	V			GE	µg/L
Nickel, total recoverable	2.7	1	J			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	15,000	10	JV	■		GE	18,000	50	V	■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	1.5	1	J			GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Tin, total recoverable	<1.8	1	V			GE							µg/L
Vanadium, total recoverable	<1.4	1	V			GE							µg/L
Zinc, total recoverable	6.3	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<1.5	1	V			GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB103D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	5.6E-02	1	UI			GP							pCi/L
Carbon-14	5.0E+01	1	UJIV			GP							pCi/L
Cobalt-60	7.3E+00	1				GP							pCi/L
Curium-242	-3.7E-02	1	UI			GP							pCi/L
Curium-243/244	1.1E-01	1	UI			GP							pCi/L
Curium-245/246	0.0E+00	1	UI			GP							pCi/L
Gross alpha	8.6E+00	1				GP	6.6E+00	1				GP	pCi/L
Iodine-129	7.5E+00	1				GP							pCi/L
Nickel-63	7.3E+00												pCi/L
Nonvolatile beta	6.6E+02	1	V	■		GP	6.8E+02	1		■		GP	pCi/L
Plutonium-238	1.6E-01	1	UI			GP							pCi/L
Plutonium-239/240	5.6E-02	1	UI			GP							pCi/L
Radium-226	5.3E+00	1	V	■		GP							pCi/L
Radium-228	1.2E+00	1				GP							pCi/L
Strontium-90	2.7E+02	1	V	■		GP							pCi/L
Technetium-99	3.1E+01	1				GP							pCi/L
Thorium-228	1.7E-01	1	UJIV			GP							pCi/L
Thorium-230	4.9E-01	1	UJIV			GP							pCi/L
Thorium-232	5.1E-02	1	UI			GP							pCi/L
Total alpha emitters	8.4E-01												pCi/L
Total beta emitters	3.3E+02			■									pCi/L
Tritium	1.7E+03	1		■		GP	1.7E+03	1		■		GP	pCi/mL
Uranium-233/234	6.9E-01	1				GP							pCi/L
Uranium-235	-1.8E-02	1	UI			GP							pCi/L
Uranium-238	1.5E-01	1				GP							pCi/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB104C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N71376.8 E58082.6	33.278406 °N 81.652506 °W	173.5-163.5 ft msl	247.9 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE 08/02/96 10/16/96

FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	220.1	219.8	ft msl
pH	6.8	9.0	pH
Sp. conductance	120	140	µS/cm
Water temperature	26.0	24.0	°C
Alkalinity as CaCO ₃	53	28	mg/L
Turbidity	1	0	NTU
Volumes purged	2.3	2.3	well volumes
Sampling code			
Synchronous water level	220.1 (09/16/96)	219.2 (12/11/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	73	1	V			GE							µg/L
Cadmium, total recoverable	<2.0	1	J			GE							µg/L
Chromium, total recoverable	<0.78	1	V			GE							µg/L
Cobalt, total recoverable	<4.0	1				GE							µg/L
Copper, total recoverable	<4.0	1				GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	<5.0	1	J			GE							µg/L
Mercury, total recoverable	<0.20	1				GE	<0.20	1				GE	µg/L
Nickel, total recoverable	<10	1				GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	7,900	10	JV			GE	7,000	10	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	2.0	1	J			GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Tin, total recoverable	<50	1				GE							µg/L
Vanadium, total recoverable	1.2	1	J			GE							µg/L
Zinc, total recoverable	<5.0	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Tetrachloroethylene	2.8	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB104C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	9.4E-02	1	UI			GP							pCi/L
Carbon-14	1.5E+01	1				GP							pCi/L
Cobalt-60	2.6E-01	1	UI			GP							pCi/L
Curium-242	2.2E-03	1	UI			GP							pCi/L
Curium-243/244	-1.4E-01	1	UI			GP							pCi/L
Curium-245/246	-6.0E-03	1	UI			GP							pCi/L
Gross alpha	2.2E+00	1				GP	1.8E+00	1				GP	pCi/L
Iodine-129	-1.8E-01	1	UI			GP							pCi/L
Nickel-63	2.6E-01		UI										pCi/L
Nonvolatile beta	1.5E+01	1				GP	1.6E+01	1				GP	pCi/L
Plutonium-238	4.1E-02	1	UI			GP							pCi/L
Plutonium-239/240	3.0E-02	1	UI			GP							pCi/L
Radium-226	1.9E+00	1				GP							pCi/L
Radium-228	-1.8E-01	1	UI			GP							pCi/L
Strontium-90	5.4E+00	1				GP							pCi/L
Technetium-99	3.9E-01	1	UI			GP							pCi/L
Thorium-228	3.4E-02	1	UI			GP							pCi/L
Thorium-230	1.4E-01	1				GP							pCi/L
Thorium-232	1.6E-02	1	UI			GP							pCi/L
Total alpha emitters	1.4E-01												pCi/L
Total beta emitters	2.1E+01												pCi/L
Tritium	2.2E+02	1		■		GP	2.1E+02	1		■		GP	pCi/mL
Uranium-233/234	-1.9E-02	1	UI			GP							pCi/L
Uranium-235	4.7E-02	1	UI			GP							pCi/L
Uranium-238	8.4E-02	1	UI			GP							pCi/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB104D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N71370.2 E58075.8	33.278380 °N 81.652511 °W	230.6-210.6 ft msl	247.8 ft msl	4" PVC	V	Water Table (IIB2)

SAMPLE DATE	07/10/96	10/10/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	223.7	218.6	ft msl
pH	4.2	4.0	pH
Sp. conductance	80	90	µS/cm
Water temperature	28.0	27.0	°C
Alkalinity as CaCO ₃	0	0	mg/L
Turbidity	2	1	NTU
Volumes purged	2.7	5.2	well volumes
Sampling code			
Synchronous water level	224.0 (09/16/96)	223.0 (12/11/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	17	1	V			GE							µg/L
Cadmium, total recoverable	0.15	1	J			GE							µg/L
Chromium, total recoverable	2.9	1	J			GE							µg/L
Cobalt, total recoverable	1.5	1	J			GE							µg/L
Copper, total recoverable	7.5	1	V			GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	<5.0	1				GE							µg/L
Mercury, total recoverable	1.9	1	V			GE	1.3	1	JV			GE	µg/L
Nickel, total recoverable	3.5	1	J			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	5,200	4	V			GE	6,100	4	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	1.5	1	J			GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Tin, total recoverable	<50	1				GE							µg/L
Vanadium, total recoverable	<0.70	1	V			GE							µg/L
Zinc, total recoverable	11	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB104D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	SI	H	Lab	4Q	DF	Mod	SI	H	Lab	Unit
Americium-241	1.8E-01	1	UI			GP						pCi/L	
Carbon-14	2.6E+01	1				GP						pCi/L	
Cobalt-60	6.5E+00	1				GP						pCi/L	
Curium-242	-2.8E-02	1	UI			GP						pCi/L	
Curium-243/244	-1.7E-01	1	UI			GP						pCi/L	
Curium-245/246	-1.0E-02	1	UI			GP						pCi/L	
Gross alpha	6.2E+00	1				GP	7.9E+00	1			GP	pCi/L	
Iodine-129	2.3E+00	1	J			GP						pCi/L	
Nickel-63	6.5E+00											pCi/L	
Nonvolatile beta	5.7E+02	1		■		GP	7.8E+02	1		■	GP	pCi/L	
Plutonium-238	8.0E-03	1	UI			GP						pCi/L	
Plutonium-239/240	3.8E-02	1	UI			GP						pCi/L	
Radium-226	2.4E+00	1	V			GP						pCi/L	
Radium-228	2.1E+00	1				GP						pCi/L	
Strontium-90	3.7E+02	1		■		GP						pCi/L	
Technetium-99	3.5E+00	1	UI			GP						pCi/L	
Thorium-228	8.2E-02	1	UI			GP						pCi/L	
Thorium-230	2.7E-01	1				GP						pCi/L	
Thorium-232	2.2E-02	1	UI			GP						pCi/L	
Total alpha emitters	9.1E-01											pCi/L	
Total beta emitters	4.2E+02			■								pCi/L	
Tritium	5.0E+02	1		■		GP	3.1E+02	1		■	GP	pCi/mL	
Uranium-233/234	6.4E-01	1				GP						pCi/L	
Uranium-235	3.6E-02	1	UI			GP						pCi/L	
Uranium-238	1.4E-01	1	UIV			GP						pCi/L	

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB105C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N71447.3 E57883.8	33.278237 °N 81.653166 °W	162.2-152.2 ft msl	249.5 ft msl	4" PVC	S	Bamwell (IIB1)

SAMPLE DATE	08/02/96	10/16/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	218.8	218.9	ft msl
pH	5.6	5.8	pH
Sp. conductance	76	90	µS/cm
Water temperature	26.0	26.0	°C
Alkalinity as CaCO ₃	21	14	mg/L
Turbidity	1	1	NTU
Volumes purged	2.5	2.4	well volumes
Sampling code			
Synchronous water level	219.0 (09/16/96)	218.4 (12/11/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	6.9	1	V			GE							µg/L
Cadmium, total recoverable	<2.0	1	J			GE							µg/L
Chromium, total recoverable	<2.3	1	V			GE							µg/L
Cobalt, total recoverable	<0.42	1	V			GE							µg/L
Copper, total recoverable	0.70	1	J			GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	<5.0	1	J			GE							µg/L
Mercury, total recoverable	0.015	1	J			GE	<0.032	1	V			GE	µg/L
Nickel, total recoverable	<10	1				GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	4,800	5	JV			GE	4,300	4	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	4.4	1				GE							µg/L
Tin, total recoverable	<50	1				GE							µg/L
Vanadium, total recoverable	0.30	1	J			GE							µg/L
Zinc, total recoverable	13	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Tetrachloroethylene	1.2	1	J			GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB105C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	1.4E-01	1	UI			GP							pCi/L
Carbon-14	1.0E+02	1				GP							pCi/L
Cobalt-60	-4.2E-01	1	UI			GP							pCi/L
Curium-242	5.4E-02	1	UI			GP							pCi/L
Curium-243/244	1.7E-01	1	UI			GP							pCi/L
Curium-245/246	-5.6E-03	1	UI			GP							pCi/L
Gross alpha	3.1E-01	1	UI			GP	1.4E-01	1	UI			GP	pCi/L
Iodine-129	9.6E-01	1	UI			GP							pCi/L
Nickel-63	-4.2E-01		UI										pCi/L
Nonvolatile beta	1.4E+00	1				GP	2.0E+00	1				GP	pCi/L
Plutonium-238	4.7E-02	1	UI			GP							pCi/L
Plutonium-239/240	2.0E-02	1	UI			GP							pCi/L
Radium-226	2.7E-01	1	UI			GP							pCi/L
Radium-228	1.0E+00	1	UI			GP							pCi/L
Strontium-90	1.6E-01	1	UI			GP							pCi/L
Technetium-99	-1.1E+01	1	UI			GP							pCi/L
Thorium-228	-2.1E-02	1	UI			GP							pCi/L
Thorium-230	1.6E-01	1				GP							pCi/L
Thorium-232	4.4E-02	1	UI			GP							pCi/L
Total alpha emitters	1.6E-01												pCi/L
Total beta emitters	1.0E+02												pCi/L
Tritium	9.0E+01	1		■		GP	8.8E+01	1		■		GP	pCi/mL
Uranium-233/234	5.3E-02	1	UI			GP							pCi/L
Uranium-235	-6.8E-03	1	UI			GP							pCi/L
Uranium-238	3.8E-02	1	UI			GP							pCi/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB105D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N71454.8 E57877.4	33.278244 °N 81.653197 °W	231.8-211.8 ft msl	249.5 ft msl	4" PVC	V	Water Table (IIB2)

SAMPLE DATE	07/29/96	10/11/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	223.8	223.8	ft msl
pH	4.0	4.2	pH
Sp. conductance	120	140	µS/cm
Water temperature	22.0	26.0	°C
Alkalinity as CaCO ₃	0	0	mg/L
Turbidity	8	4	NTU
Volumes purged	3.1	2.9	well volumes
Sampling code			
Synchronous water level	224.3 (09/16/96)	223.3 (12/11/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<2.2	1	V			GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	19	1	V			GE							µg/L
Cadmium, total recoverable	0.75	1	JV			GE							µg/L
Chromium, total recoverable	12	1	V			GE							µg/L
Cobalt, total recoverable	8.2	1	V			GE							µg/L
Copper, total recoverable	<5.9	1	V			GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	1.8	1	J			GE							µg/L
Mercury, total recoverable	4.8	1		■		GE	6.2	1	V	■		GE	µg/L
Nickel, total recoverable	13	1				GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	11,000	10	JV	■		GE	12,000	10	V	■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	4.6	1	J			GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Tin, total recoverable	<3.6	1	V			GE							µg/L
Vanadium, total recoverable	<2.4	1	V			GE							µg/L
Zinc, total recoverable	35	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<1.0	1				GE							µg/L
Dichloromethane	43,000	1000	V	■		GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB105D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	9.6E-02	1	UI			GP							pCi/L
Carbon-14	4.3E+01	1	UIV			GP							pCi/L
Cobalt-60	2.4E+01	1				GP							pCi/L
Curium-242	-7.2E-02	1	UI			GP							pCi/L
Curium-243/244	-5.0E-02	1	UI			GP							pCi/L
Curium-245/246	-9.6E-03	1	UI			GP							pCi/L
Gross alpha	1.2E+01	1				GP	1.1E+01	1				GP	pCi/L
Iodine-129	1.1E+01	1				GP							pCi/L
Nickel-63	2.4E+01												pCi/L
Nonvolatile beta	1.7E+03	1	V	■		GP	1.3E+03	1		■		GP	pCi/L
Plutonium-238	-1.1E-01	1	UI			GP							pCi/L
Plutonium-239/240	6.2E-02	1	UI			GP							pCi/L
Radium-226	9.9E+00	1	V	■		GP							pCi/L
Radium-228	3.2E+00	1				GP							pCi/L
Strontium-90	7.3E+02	1	V	■		GP							pCi/L
Technetium-99	2.6E+01	1				GP							pCi/L
Thorium-228	5.4E-02	1	UI			GP							pCi/L
Thorium-230	5.6E-01	1	UIV			GP							pCi/L
Thorium-232	2.6E-02	1	UI			GP							pCi/L
Total alpha emitters	1.0E+00												pCi/L
Total beta emitters	8.2E+02			■									pCi/L
Tritium	1.2E+03	1		■		GP	1.4E+03	1		■		GP	pCi/mL
Uranium-233/234	6.8E-01	1				GP							pCi/L
Uranium-235	-1.8E-02	1	UI			GP							pCi/L
Uranium-238	3.2E-01	1				GP							pCi/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB106C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N71720.9 E57651.5	33.278464 °N 81.654309 °W	168.7-158.7 ft msl	252.9 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE	08/02/96	10/18/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	220.7	220.7	ft msl
pH	5.4	4.8	pH
Sp. conductance	76	82	µS/cm
Water temperature	26.0	25.0	°C
Alkalinity as CaCO ₃	9	4	mg/L
Turbidity	1	0	NTU
Volumes purged	2.6	2.5	well volumes
Sampling code			
Synchronous water level	221.0 (09/16/96)	220.5 (12/11/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	SI	H	Lab	4Q	DF	Mod	SI	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	14	1	V			GE							µg/L
Cadmium, total recoverable	<0.30	1	JV			GE							µg/L
Chromium, total recoverable	<1.1	1	V			GE							µg/L
Cobalt, total recoverable	<0.77	1	V			GE							µg/L
Copper, total recoverable	0.81	1	J			GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	<5.0	1	J			GE							µg/L
Mercury, total recoverable	0.61	1				GE	0.64	1	V			GE	µg/L
Nickel, total recoverable	0.89	1	J			GE							µg/L
Nitrate as nitrogen													µg/L
Nitrate-nitrite as nitrogen	7,100	10	JV			GE	4,400	10	V			GE	µg/L
Nitrite as nitrogen													µg/L
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Tin, total recoverable	<50	1				GE							µg/L
Vanadium, total recoverable	<10	1				GE							µg/L
Zinc, total recoverable	10	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	SI	H	Lab	4Q	DF	Mod	SI	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Tetrachloroethylene	4.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB106C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	2.9E-02	1	UI			GP							pCi/L
Carbon-14	3.7E+01	1				GP							pCi/L
Cobalt-60	-5.7E-01	1	UI			GP							pCi/L
Curium-242	-9.6E-03	1	UI			GP							pCi/L
Curium-243/244	9.4E-02	1	UI			GP							pCi/L
Curium-245/246	-4.3E-03	1	UI			GP							pCi/L
Gross alpha	4.5E-01	1	UI			GP	5.1E-01	1	UI			GP	pCi/L
Iodine-129	5.7E-01	1	UI			GP							pCi/L
Nickel-63	-5.7E-01		UI										pCi/L
Nonvolatile beta	2.3E+00	1				GP	2.8E+00	1				GP	pCi/L
Plutonium-238	-1.5E-02	1	UI			GP							pCi/L
Plutonium-239/240	3.7E-02	1	UI			GP							pCi/L
Radium-226	8.7E-01	1				GP							pCi/L
Radium-228	-5.0E-01	1	UI			GP							pCi/L
Strontium-90	-2.1E-01	1	UI			GP							pCi/L
Technetium-99	4.8E+00	1	UI			GP							pCi/L
Thorium-228	-1.7E-02	1	UI			GP							pCi/L
Thorium-230	1.8E-01	1				GP							pCi/L
Thorium-232	1.6E-02	1	UI			GP							pCi/L
Total alpha emitters	1.8E-01												pCi/L
Total beta emitters	3.7E+01												pCi/L
Tritium	2.0E+02	1		■		GP	1.9E+02	1		■		GP	pCi/mL
Uranium-233/234	2.1E-02	1	UI			GP							pCi/L
Uranium-235	0.0E+00	1	UI			GP							pCi/L
Uranium-238	-1.1E+00	1	UI			GP							pCi/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB106D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N71727.8 E57644.8	33.278468 °N 81.654340 °W	230.7-210.7 ft msl	252.9 ft msl	4" PVC	V	Water Table (IIB2)

SAMPLE DATE	07/10/96	10/11/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	224.7	224.4	ft msl
pH	4.4	4.4	pH
Sp. conductance	92	100	µS/cm
Water temperature	28.0	25.0	°C
Alkalinity as CaCO ₃	2	0	mg/L
Turbidity	1	7	NTU
Volumes purged	2.4	2.6	well volumes
Sampling code			
Synchronous water level	224.9 (09/16/96)	223.8 (12/11/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	20	1	V			GE							µg/L
Cadmium, total recoverable	<2.0	1				GE							µg/L
Chromium, total recoverable	2.8	1	J			GE							µg/L
Cobalt, total recoverable	2.9	1	J			GE							µg/L
Copper, total recoverable	6.7	1	V			GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	<5.0	1				GE							µg/L
Mercury, total recoverable	0.58	1	V			GE	<0.49	1	V			GE	µg/L
Nickel, total recoverable	3.9	1	J			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	8,500	10	V			GE	7,400	10	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Tin, total recoverable	<50	1				GE							µg/L
Vanadium, total recoverable	<0.45	1	V			GE							µg/L
Zinc, total recoverable	14	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB106D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	1.1E-01	1				GP							pCi/L
Carbon-14	1.4E+01	1				GP							pCi/L
Cobalt-60	3.6E+00	1				GP							pCi/L
Curium-242	4.3E-03	1	UI			GP							pCi/L
Curium-243/244	1.7E-01	1				GP							pCi/L
Curium-245/246	-8.9E-05	1	UI			GP							pCi/L
Gross alpha	4.0E+00	1				GP	4.1E+00	1				GP	pCi/L
Iodine-129	5.8E-01	1	UJI			GP							pCi/L
Nickel-63	3.6E+00												pCi/L
Nonvolatile beta	5.6E+02	1		■		GP	3.4E+02	1		■		GP	pCi/L
Plutonium-238	3.0E-02	1	UI			GP							pCi/L
Plutonium-239/240	4.2E-02	1	UI			GP							pCi/L
Radium-226	1.4E+00	1	UIV			GP							pCi/L
Radium-228	2.5E+00	1				GP							pCi/L
Strontium-90	3.5E+02	1		■		GP							pCi/L
Technetium-99	2.9E+00	1	UI			GP							pCi/L
Thorium-228	2.6E-01	1				GP							pCi/L
Thorium-230	2.3E-01	1				GP							pCi/L
Thorium-232	1.5E-02	1	UI			GP							pCi/L
Total alpha emitters	2.5E+00												pCi/L
Total beta emitters	3.7E+02			■									pCi/L
Tritium	2.7E+02	1		■		GP	2.1E+02	1		■		GP	pCi/mL
Uranium-233/234	1.2E+00	1				GP							pCi/L
Uranium-235	2.0E-01	1				GP							pCi/L
Uranium-238	3.3E-01	1	V			GP							pCi/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB107C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N71698.5 E57432.0	33.278056 °N 81.654844 °W	169.3-159.3 ft msl	261.6 ft msl	4" PVC	S	Bamwell (IIB1)

SAMPLE DATE	08/02/96	10/18/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	218.2	218.3	ft msl
pH	6.6	6.4	pH
Sp. conductance	120	120	µS/cm
Water temperature	26.0	25.0	°C
Alkalinity as CaCO ₃	54	17	mg/L
Turbidity	1	0	NTU
Volumes purged	2.3	2.4	well volumes
Sampling code			
Synchronous water level	218.7 (09/16/96)	218.0 (12/11/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	SI	H	Lab	4Q	DF	Mod	SI	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	39	1	V			GE							µg/L
Cadmium, total recoverable	<0.27	1	JV			GE							µg/L
Chromium, total recoverable	<0.60	1	V			GE							µg/L
Cobalt, total recoverable	<0.37	1	V			GE							µg/L
Copper, total recoverable	0.85	1	J			GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	<5.0	1	J			GE							µg/L
Mercury, total recoverable	0.092	1	J			GE	0.030	1	J			GE	µg/L
Nickel, total recoverable	1.4	1	J			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	7,500	10	JV			GE	690	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	1.7	1	J			GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Tin, total recoverable	<50	1				GE							µg/L
Vanadium, total recoverable	<10	1				GE							µg/L
Zinc, total recoverable	8.8	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	SI	H	Lab	4Q	DF	Mod	SI	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Tetrachloroethylene	5.5	1		■		GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB107C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	1.1E-02	1	UI			GP							pCi/L
Carbon-14	-3.3E-01	1	UI			GP							pCi/L
Cobalt-60	5.8E-03	1	UI			GP							pCi/L
Curium-242	-1.4E-02	1	UI			GP							pCi/L
Curium-243/244	-8.5E-02	1	UI			GP							pCi/L
Curium-245/246	4.4E-02	1	UI			GP							pCi/L
Gross alpha	1.7E-01	1	UI			GP	5.2E-01	1	UI			GP	pCi/L
Iodine-129	4.4E-01	1	UI			GP							pCi/L
Nickel-63	5.8E-03		UI										pCi/L
Nonvolatile beta	8.3E+00	1				GP	9.8E+00	1				GP	pCi/L
Plutonium-238	7.1E-02	1	UI			GP							pCi/L
Plutonium-239/240	5.5E-02	1	UI			GP							pCi/L
Radium-226	5.5E-01	1				GP							pCi/L
Radium-228	7.8E-01	1	UI			GP							pCi/L
Strontium-90	3.7E+00	1				GP							pCi/L
Technetium-99	-2.7E+00	1	UI			GP							pCi/L
Thorium-228	4.4E-02	1	UI			GP							pCi/L
Thorium-230	1.1E-01	1				GP							pCi/L
Thorium-232	-8.9E-03	1	UI			GP							pCi/L
Total alpha emitters	5.9E+02			■									pCi/L
Total beta emitters	3.7E+00												pCi/L
Tritium	3.4E+02	1		■		GP	3.4E+02	1		■		GP	pCi/mL
Uranium-233/234	1.7E+02	1				GP							pCi/L
Uranium-235	2.2E+01	1				GP							pCi/L
Uranium-238	4.0E+02	1				GP							pCi/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB107D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N71696.6 E57412.2	33.278019 °N 81.654892 °W	235.1-215.1 ft msl	262.3 ft msl	4" PVC	V	Water Table (IIB2)

SAMPLE DATE	07/29/96	10/11/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	223.1	223.1	ft msl
pH	4.6	4.8	pH
Sp. conductance	160	200	µS/cm
Water temperature	23.0	24.0	°C
Alkalinity as CaCO ₃	2	0	mg/L
Turbidity	5	0	NTU
Volumes purged	2.8	2.9	well volumes
Sampling code			
Synchronous water level	223.6 (09/16/96)	222.6 (12/11/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	29	1	V			GE							µg/L
Cadmium, total recoverable	<2.0	1				GE							µg/L
Chromium, total recoverable	<2.2	1	V			GE							µg/L
Cobalt, total recoverable	<1.6	1	V			GE							µg/L
Copper, total recoverable	<3.8	1	V			GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	<5.0	1				GE							µg/L
Mercury, total recoverable	3.1	1		■		GE	3.9	1	V	■		GE	µg/L
Nickel, total recoverable	1.5	1	J			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	26,000	50	JV	■		GE	18,000	50	V	■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Tin, total recoverable	<1.3	1	V			GE							µg/L
Vanadium, total recoverable	<0.99	1	V			GE							µg/L
Zinc, total recoverable	11	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<1.0	1				GE							µg/L
Dichloromethane	14,000	500	V	■		GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB107D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	Unit	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	-1.0E-01	1	UI			GP	pCi/L							
Carbon-14	5.3E+01	1	UIV			GP	pCi/L							
Cobalt-60	1.0E+01	1				GP	pCi/L							
Curium-242	2.4E-02	1	UI			GP	pCi/L							
Curium-243/244	2.2E-01	1	UI			GP	pCi/L							
Curium-245/246	0.0E+00	1	UI			GP	pCi/L							
Gross alpha	4.1E+00	1				GP	pCi/L	4.4E+00	1				GP	pCi/L
Iodine-129	6.3E+00	1				GP	pCi/L							
Nickel-63	1.0E+01						pCi/L							
Nonvolatile beta	7.4E+02	1	V	■		GP	pCi/L	4.7E+02	1		■		GP	pCi/L
Plutonium-238	5.9E-02	1	UI			GP	pCi/L							
Plutonium-239/240	7.0E-02	1	UI			GP	pCi/L							
Radium-226	1.7E+00	1	UIV			GP	pCi/L							
Radium-228	2.1E+00	1				GP	pCi/L							
Strontium-90	4.8E+02	1	V	■		GP	pCi/L							
Technetium-99	6.8E+01	1				GP	pCi/L							
Thorium-228	3.0E-01	1	UIV			GP	pCi/L							
Thorium-230	5.8E-01	1	UIV			GP	pCi/L							
Thorium-232	1.7E-02	1	UI			GP	pCi/L							
Total alpha emitters														
Total beta emitters	5.7E+02			■			pCi/L							
Tritium	1.1E+03	1		■		GP	pCi/mL	9.1E+02	1		■		GP	pCi/mL
Uranium-233/234	1.4E-01	1	UI			GP	pCi/L							
Uranium-235	-5.2E-02	1	UI			GP	pCi/L							
Uranium-238	0.0E+00	1	UI			GP	pCi/L							

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB108C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N71688.7 E57155.5	33.277583 °N 81.655553 °W	196.0-186.0 ft msl	266.2 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE 08/05/96 10/18/96

FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	217.7	217.3	ft msl
pH	6.2	6.6	pH
Sp. conductance	140	100	µS/cm
Water temperature	27.0	24.0	°C
Alkalinity as CaCO ₃	79	48	mg/L
Turbidity	2	8	NTU
Volumes purged	3.2	3.5	well volumes
Sampling code			
Synchronous water level	217.7 (09/16/96)	217.2 (12/11/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	3.8	1	J			GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	7.7	1				GE							µg/L
Cadmium, total recoverable	<2.0	1				GE							µg/L
Chromium, total recoverable	2.7	1	J			GE							µg/L
Cobalt, total recoverable	0.65	1	J			GE							µg/L
Copper, total recoverable	<4.0	1				GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	<5.0	1				GE							µg/L
Mercury, total recoverable	0.21	1				GE	<0.056	1V				GE	µg/L
Nickel, total recoverable	1.4	1	J			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	2,500	2	V			GE	1,800	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	16	1				GE							µg/L
Tin, total recoverable	21	1	J			GE							µg/L
Vanadium, total recoverable	0.96	1	J			GE							µg/L
Zinc, total recoverable	<5.0	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<2.0	1	V			GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB108C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	1.7E-02	1	UI			GP							pCi/L
Carbon-14	1.0E+01	1				GP							pCi/L
Cobalt-60	4.7E-01	1	UI			GP							pCi/L
Curium-242	3.9E-02	1	UI			GP							pCi/L
Curium-243/244	-5.0E-02	1	UI			GP							pCi/L
Curium-245/246	1.7E-02	1	UI			GP							pCi/L
Gross alpha	-7.1E-03	1	UI			GP	6.6E-01	1	UI			GP	pCi/L
Iodine-129	6.6E-01	1	UI			GP							pCi/L
Nickel-63	4.7E-01		UI										pCi/L
Nonvolatile beta	1.9E+00	1				GP	2.7E+00	1				GP	pCi/L
Plutonium-238	-3.3E-02	1	UI			GP							pCi/L
Plutonium-239/240	8.8E-02	1				GP							pCi/L
Radium-226	1.2E-01	1	UI			GP							pCi/L
Radium-228	-5.0E-01	1	UI			GP							pCi/L
Strontium-90	1.3E+00	1				GP							pCi/L
Technetium-99	4.2E+00	1	UI			GP							pCi/L
Thorium-228	1.5E-02	1	UI			GP							pCi/L
Thorium-230	1.7E-01	1				GP							pCi/L
Thorium-232	0.0E+00	1	UI			GP							pCi/L
Total alpha emitters	4.6E-01												pCi/L
Total beta emitters	1.1E+01												pCi/L
Tritium	1.6E+02	1		■		GP	1.5E+02	1		■		GP	pCi/mL
Uranium-233/234	3.1E-02	1	UI			GP							pCi/L
Uranium-235	7.6E-03	1	UI			GP							pCi/L
Uranium-238	2.0E-01	1				GP							pCi/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB108D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N71688.0 E57145.6	33.277566 °N 81.655577 °W	232.0-212.0 ft msl	266.3 ft msl	4" PVC	V	Water Table (IIB2)

SAMPLE DATE 07/29/96 10/10/96

FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	222.1	222.0	ft msl
pH	5.0	5.0	pH
Sp. conductance	74	94	µS/cm
Water temperature	23.0	24.0	°C
Alkalinity as CaCO ₃	3	3	mg/L
Turbidity	3	20	NTU
Volumes purged	4.4	2.6	well volumes
Sampling code			
Synchronous water level	222.3 (09/16/96)	221.5 (12/11/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<1.1	1	V			GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	17	1	V			GE							µg/L
Cadmium, total recoverable	<0.27	1	V			GE							µg/L
Chromium, total recoverable	<3.3	1	V			GE							µg/L
Cobalt, total recoverable	<4.0	1	V			GE							µg/L
Copper, total recoverable	19	1	V			GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	<5.0	1				GE							µg/L
Mercury, total recoverable	2.7	1		■		GE	0.72	1	JV			GE	µg/L
Nickel, total recoverable	6.8	1	J			GE						µg/L	
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	7,000	5	JV			GE	7,300	10	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Tin, total recoverable	<2.6	1	V			GE							µg/L
Vanadium, total recoverable	<0.94	1	V			GE							µg/L
Zinc, total recoverable	29	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1	J1		●	GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB108D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	-ST	-H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	4.6E-02	1	UI			GP							pCi/L
Carbon-14	2.8E+01	1	UIV			GP							pCi/L
Cobalt-60	2.2E+01	1				GP							pCi/L
Curium-242	-6.8E-03	1	UI			GP							pCi/L
Curium-243/244	-2.3E-02	1	UI			GP							pCi/L
Curium-245/246	-1.8E-02	1	UI			GP							pCi/L
Gross alpha	7.3E+00	1				GP	1.8E+00	1				GP	pCi/L
Iodine-129	3.6E+00	1				GP							pCi/L
Nickel-63	2.2E+01												pCi/L
Nonvolatile beta	9.7E+02	1	V	■		GP	5.5E+01	1		■		GP	pCi/L
Plutonium-238	-4.3E-02	1	UI			GP							pCi/L
Plutonium-239/240	5.6E-02	1	UI			GP							pCi/L
Radium-226	2.2E+00	1	UIV			GP							pCi/L
Radium-228	1.1E+00	1	UI			GP							pCi/L
Strontium-90	3.7E+02	1	V	■		GP							pCi/L
Technetium-99	-1.3E+01	1	UI			GP							pCi/L
Thorium-228	-1.4E-01	1	UI			GP							pCi/L
Thorium-230	2.8E-01	1	UIV			GP							pCi/L
Thorium-232	1.1E-01	1				GP							pCi/L
Total alpha emitters	1.1E-01												pCi/L
Total beta emitters	4.2E+02			■									pCi/L
Tritium	3.7E+02	1		■		GP	2.6E+02	1		■		GP	pCi/mL
Uranium-233/234	2.0E-01	1	UI			GP							pCi/L
Uranium-235	-3.3E-02	1	UI			GP							pCi/L
Uranium-238	1.3E-01	1	UI			GP							pCi/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB109C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N71684.8 E56895.6	33.277151 °N 81.656229 °W	178.4-168.4 ft msl	261.6 ft msl	4" PVC	S	Bamwell (IIB1)

SAMPLE DATE	08/05/96	10/17/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	218.3	217.7	ft msl
pH	5.4	5.0	pH
Sp. conductance	68	50	µS/cm
Water temperature	26.0	24.0	°C
Alkalinity as CaCO ₃	28	8	mg/L
Turbidity	1	1	NTU
Volumes purged	2.4	2.6	well volumes
Sampling code			
Synchronous water level	218.2 (09/16/96)	217.4 (12/11/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	5.2	1				GE							µg/L
Cadmium, total recoverable	<2.0	1				GE							µg/L
Chromium, total recoverable	<4.0	1				GE							µg/L
Cobalt, total recoverable	0.48	1	J			GE							µg/L
Copper, total recoverable	1.0	1	J			GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	<5.0	1				GE							µg/L
Mercury, total recoverable	0.12	1	J			GE	<0.27	1	V			GE	µg/L
Nickel, total recoverable	<10	1				GE							µg/L
Nitrate as nitrogen													µg/L
Nitrate-nitrite as nitrogen	2,000	2	V			GE	1,900	2	V			GE	µg/L
Nitrite as nitrogen													µg/L
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Tin, total recoverable	<50	1				GE							µg/L
Vanadium, total recoverable	<10	1				GE							µg/L
Zinc, total recoverable	4.4	1	J			GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<2.0	1	V			GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB109C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	7.1E-02	1	UI			GP							pCi/L
Carbon-14	6.9E-01	1	UI			GP							pCi/L
Cobalt-60	-1.1E+00	1	UI			GP							pCi/L
Curium-242	-2.2E-02	1	UI			GP							pCi/L
Curium-243/244	-2.1E-02	1	UI			GP							pCi/L
Curium-245/246	-2.2E-02	1	UI			GP							pCi/L
Gross alpha	4.2E-01	1	UI			GP	1.0E-01	1	UI			GP	pCi/L
Iodine-129	-5.8E-01	1	UI			GP							pCi/L
Nickel-63	-1.1E+00		UI										pCi/L
Nonvolatile beta	9.7E-01	1	UI			GP	7.7E-01	1	UI			GP	pCi/L
Plutonium-238	7.3E-02	1	UI			GP							pCi/L
Plutonium-239/240	1.2E-02	1	UI			GP							pCi/L
Radium-226	7.0E-01	1				GP							pCi/L
Radium-228	-1.3E+00	1	UI			GP							pCi/L
Strontium-90	2.2E-01	1	UI			GP							pCi/L
Technetium-99	-1.8E+01	1	UI			GP							pCi/L
Thorium-228	9.9E-02	1	UI			GP							pCi/L
Thorium-230	2.6E-01	1				GP							pCi/L
Thorium-232	1.2E-01	1				GP							pCi/L
Total alpha emitters	3.9E-01												pCi/L
Total beta emitters													pCi/L
Tritium	5.0E+01	1		■		GP	4.6E+01	1		■		GP	pCi/mL
Uranium-233/234	5.8E-03	1	UI			GP							pCi/L
Uranium-235	5.9E-03	1	UI			GP							pCi/L
Uranium-238	-1.1E-02	1	UI			GP							pCi/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB109D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N71685.6 E56885.5	33.277136 °N 81.656257 °W	233.0-213.0 ft msl	261.2 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 07/10/96 10/10/96

FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	221.5		ft msl
pH	4.4	4.4	pH
Sp. conductance	42	42	µS/cm
Water temperature	27.0	26.0	°C
Alkalinity as CaCO ₃	3	0	mg/L
Turbidity	0	0	NTU
Volumes purged	2.5		well volumes
Sampling code		S	
Synchronous water level	221.5 (09/16/96)	()	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	20	1	V			GE							µg/L
Cadmium, total recoverable	0.24	1	J			GE							µg/L
Chromium, total recoverable	<4.0	1				GE							µg/L
Cobalt, total recoverable	1.5	1	J			GE							µg/L
Copper, total recoverable	13	1	V			GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	3.7	1	J			GE							µg/L
Mercury, total recoverable	0.65	1	V			GE	0.56	1	JV			GE	µg/L
Nickel, total recoverable	2.9	1	J			GE							µg/L
Nitrate as nitrogen													µg/L
Nitrate-nitrite as nitrogen	3,000	2	V			GE	3,000	2	V			GE	µg/L
Nitrite as nitrogen													µg/L
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Tin, total recoverable	<50	1				GE							µg/L
Vanadium, total recoverable	<0.35	1	V			GE							µg/L
Zinc, total recoverable	16	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB109D (cont.)

Radioactive Constituents

Parameter	3Q	DE	Mod	ST	H	Lab	4Q	DE	Mod	ST	H	Lab	Unit
Americium-241	3.4E-03	1	UI			GP							pCi/L
Carbon-14	1.0E+01	1				GP							pCi/L
Cobalt-60	6.1E+00	1				GP							pCi/L
Curium-242	-7.4E-05	1	UI			GP							pCi/L
Curium-243/244	1.4E-02	1	UI			GP							pCi/L
Curium-245/246	0.0E+00	1	UI			GP							pCi/L
Gross alpha	4.9E+00	1				GP	3.0E+00	1				GP	pCi/L
Iodine-129	2.5E+00	1	J			GP							pCi/L
Nickel-63	6.1E+00												pCi/L
Nonvolatile beta	2.5E+02	1		■		GP	2.3E+02	1		■		GP	pCi/L
Plutonium-238	-1.3E-03	1	UI			GP							pCi/L
Plutonium-239/240	-7.6E-03	1	UI			GP							pCi/L
Radium-226	2.2E+00	1	V			GP							pCi/L
Radium-228	3.9E-01	1	UI			GP							pCi/L
Strontium-90	1.3E+02	1		■		GP							pCi/L
Technetium-99	-6.1E+00	1	UI			GP							pCi/L
Thorium-228	5.6E-02	1	UI			GP							pCi/L
Thorium-230	6.0E-02	1	UI			GP							pCi/L
Thorium-232	2.7E-02	1	UI			GP							pCi/L
Total alpha emitters	4.2E-01												pCi/L
Total beta emitters	1.5E+02			■									pCi/L
Tritium	4.2E+01	1		■		GP	3.9E+01	1		■		GP	pCi/mL
Uranium-233/234	4.2E-01	1				GP							pCi/L
Uranium-235	3.5E-03	1	UI			GP							pCi/L
Uranium-238	8.3E-02	1	UIV			GP							pCi/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB110C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N71779.3 E56680.7	33.277009 °N 81.656979 °W	181.4-171.4 ft msl	255.7 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE	08/02/96	10/17/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	218.2	218.0	ft msl
pH	5.8	4.6	pH
Sp. conductance	42	22	µS/cm
Water temperature	26.0	25.0	°C
Alkalinity as CaCO ₃	1	4	mg/L
Turbidity	8	1	NTU
Volumes purged	0.033	2.5	well volumes
Sampling code	X		
Synchronous water level	218.5 (09/16/96)	217.7 (12/11/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	9.4	1	V			GE							µg/L
Cadmium, total recoverable	<0.14	1	JV			GE							µg/L
Chromium, total recoverable	<2.4	1	V			GE							µg/L
Cobalt, total recoverable	<0.52	1	V			GE							µg/L
Copper, total recoverable	21	1				GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	2.8	1	J			GE							µg/L
Mercury, total recoverable	<0.20	1				GE	<0.19	1	V			GE	µg/L
Nickel, total recoverable	1.3	1	J			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	1,100	1	JV			GE	850	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Tin, total recoverable	<50	1				GE							µg/L
Vanadium, total recoverable	<10	1				GE							µg/L
Zinc, total recoverable	38	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB110C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	-3.2E-03	1	UI			GP							pCi/L
Carbon-14	2.0E+01	1				GP							pCi/L
Cobalt-60	4.9E-01	1	UI			GP							pCi/L
Curium-242	7.5E-02	1	UI			GP							pCi/L
Curium-243/244	-2.4E-02	1	UI			GP							pCi/L
Curium-245/246	-4.8E-03	1	UI			GP							pCi/L
Gross alpha	1.8E-01	1	UI			GP	4.8E-01	1	UI			GP	pCi/L
Iodine-129	-6.4E-01	1	UJI			GP							pCi/L
Nickel-63	4.9E-01		UI										pCi/L
Nonvolatile beta	1.1E+00	1				GP	1.1E-01	1	UI			GP	pCi/L
Plutonium-238	6.4E-02	1	UI			GP							pCi/L
Plutonium-239/240	6.6E-02	1	UI			GP							pCi/L
Radium-226	7.2E-01	1				GP							pCi/L
Radium-228	-8.0E-01	1	UI			GP							pCi/L
Strontium-90	3.8E-01	1	UI			GP							pCi/L
Technetium-99	2.3E+00	1	UI			GP							pCi/L
Thorium-228	4.5E-02	1	UI			GP							pCi/L
Thorium-230	1.2E-01	1				GP							pCi/L
Thorium-232	7.9E-03	1	UI			GP							pCi/L
Total alpha emitters	1.2E-01												pCi/L
Total beta emitters	2.0E+01												pCi/L
Tritium	3.1E+01	1		■		GP	1.0E+01	1				GP	pCi/mL
Uranium-233/234	1.2E-02	1	UI			GP							pCi/L
Uranium-235	1.9E-02	1	UI			GP							pCi/L
Uranium-238	1.2E-02	1	UI			GP							pCi/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB110D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N71785.2 E56672.1	33.277008 °N 81.657013 °W	231.4-211.4 ft msl	255.6 ft msl	4" PVC	V	Water Table (IIB2)

SAMPLE DATE	08/08/96	10/17/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	220.9	220.6	ft msl
pH	4.2	3.8	pH
Sp. conductance	56	40	µS/cm
Water temperature	25.0	25.0	°C
Alkalinity as CaCO ₃	0	0	mg/L
Turbidity	2	2	NTU
Volumes purged	1.1	3.5	well volumes
Sampling code			
Synchronous water level	221.0 (09/16/96)	220.2 (12/11/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	4.7	1				GE							µg/L
Cadmium, total recoverable	<2.0	1				GE							µg/L
Chromium, total recoverable	0.91	1	J			GE							µg/L
Cobalt, total recoverable	1.6	1	J			GE							µg/L
Copper, total recoverable	4.7	1	V			GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	<5.0	1				GE							µg/L
Mercury, total recoverable	<0.20	1				GE	<0.20	1				GE	µg/L
Nickel, total recoverable	1.9	1	J			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	1,900	2	V			GE	1,700	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Tin, total recoverable	<50	1				GE							µg/L
Vanadium, total recoverable	<10	1				GE							µg/L
Zinc, total recoverable	15	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1	J			GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<2.4	1	V			GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB110D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	2.6E-03	1	UI			GP							pCi/L
Carbon-14	-3.7E+00	1	UI			GP							pCi/L
Cobalt-60	2.1E-02	1	UI			GP							pCi/L
Curium-242	1.2E-01	1	UI			GP							pCi/L
Curium-243/244	1.3E-01	1	UI			GP							pCi/L
Curium-245/246	-1.0E-02	1	UI			GP							pCi/L
Gross alpha	1.4E+00	1				GP	1.8E+00	1				GP	pCi/L
Iodine-129	8.6E-01	1	UI			GP							pCi/L
Nickel-63	2.1E-02		UI										pCi/L
Nonvolatile beta	7.6E+01	1		■		GP	9.2E+01	1		■		GP	pCi/L
Plutonium-238	-2.3E-02	1	UI			GP							pCi/L
Plutonium-239/240	8.4E-02	1	UI			GP							pCi/L
Radium-226	4.1E-01	1	UI			GP							pCi/L
Radium-228	3.0E+00	1				GP							pCi/L
Strontium-90	4.2E+01	1		■		GP							pCi/L
Technetium-99	2.5E+00	1	UI			GP							pCi/L
Thorium-228	7.7E-03	1	UI			GP							pCi/L
Thorium-230	1.9E-01	1	UI			GP							pCi/L
Thorium-232	8.4E-02	1	UI			GP							pCi/L
Total alpha emitters													
Total beta emitters	4.5E+01												pCi/L
Tritium	2.0E+01	1				GP	1.8E+01	1				GP	pCi/mL
Uranium-233/234	1.4E-01	1	UI			GP							pCi/L
Uranium-235	2.4E-02	1	UI			GP							pCi/L
Uranium-238	9.3E-02	1	UI			GP							pCi/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB111C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N71919.4 E56501.9	33.277027 °N 81.657722 °W	150.7-140.7 ft msl	256 ft msl	4" PVC	S	Bamwell (IIB1)

SAMPLE DATE 08/08/96 10/17/96

FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	219.7	219.2	ft msl
pH	4.4	4.6	pH
Sp. conductance	78	120	µS/cm
Water temperature	26.0	25.0	°C
Alkalinity as CaCO ₃	5	1	mg/L
Turbidity	1	0	NTU
Volumes purged	2.5	2.4	well volumes
Sampling code			
Synchronous water level	219.3 (09/16/96)	218.7 (12/11/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	2.5	1	J			GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	11	1				GE							µg/L
Cadmium, total recoverable	1.3	1	J			GE							µg/L
Chromium, total recoverable	3.0	1	J			GE							µg/L
Cobalt, total recoverable	2.1	1	J			GE							µg/L
Copper, total recoverable	3.4	1	JV			GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	<5.0	1				GE							µg/L
Mercury, total recoverable	<0.20	1				GE	0.076	1	J			GE	µg/L
Nickel, total recoverable	3.0	1	J			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	13,000	10	V	■		GE	13,000	25		■		WA	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	2.5	1	J			GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Tin, total recoverable	3.1	1	J			GE							µg/L
Vanadium, total recoverable	1.4	1	J			GE							µg/L
Zinc, total recoverable	18	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1	J			GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<2.3	1	V			GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB111C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	-6.9E-03	1	UI			GP							pCi/L
Carbon-14	3.8E+01	1				GP							pCi/L
Cobalt-60	1.3E+00	1	UI			GP							pCi/L
Curium-242	-4.1E-02	1	UI			GP							pCi/L
Curium-243/244	7.7E-03	1	UI			GP							pCi/L
Curium-245/246	-7.3E-03	1	UI			GP							pCi/L
Gross alpha	1.2E+00	1				GP	1.7E+00	1				GP	pCi/L
Iodine-129	3.9E-01	1	UI			GP							pCi/L
Nickel-63	1.3E+00		UI										pCi/L
Nonvolatile beta	2.3E+01	1				GP	4.0E+01	1				TM	pCi/L
Plutonium-238	2.2E-01	1	UI			GP							pCi/L
Plutonium-239/240	2.5E-02	1	UI			GP							pCi/L
Radium-226	9.8E-01	1	J			GP							pCi/L
Radium-228	-6.1E-01	1	UI			GP							pCi/L
Strontium-90	5.9E-01	1				GP							pCi/L
Technetium-99	4.6E+01	1				GP							pCi/L
Thorium-228	-6.6E-03	1	UI			GP							pCi/L
Thorium-230	3.1E-01	1	UIV			GP							pCi/L
Thorium-232	-7.8E-03	1	UI			GP							pCi/L
Total alpha emitters													
Total beta emitters	8.4E+01			■									pCi/L
Tritium	1.6E+03	1		■		GP	1.8E+03	1		■		TM	pCi/mL
Uranium-233/234	1.9E-02	1	UI			GP							pCi/L
Uranium-235	-7.0E-03	1	UI			GP							pCi/L
Uranium-238	-3.5E-03	1	UI			GP							pCi/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB111D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N71926.2 E56494.5	33.277030 °N 81.657754 °W	195.7-185.7 ft msl	256 ft msl	4" PVC	V	Water Table (IIB2)

SAMPLE DATE	08/08/96	10/21/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	221.1	220.5	ft msl
pH	4.8	5.0	pH
Sp. conductance	160	240	µS/cm
Water temperature	27.0	26.0	°C
Alkalinity as CaCO ₃	7	6	mg/L
Turbidity	0	1	NTU
Volumes purged	2.2	0.044	well volumes
Sampling code		X	
Synchronous water level	220.8 (09/16/96)	220.1 (12/11/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<0.99	1	V			GE							µg/L
Arsenic, total recoverable	3.1	1	J			GE							µg/L
Barium, total recoverable	19	1				GE							µg/L
Cadmium, total recoverable	<2.0	1				GE							µg/L
Chromium, total recoverable	2.2	1	J			GE							µg/L
Cobalt, total recoverable	1.4	1	J			GE							µg/L
Copper, total recoverable	4.8	1				GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	<5.0	1				GE							µg/L
Mercury, total recoverable	<0.20	1				GE	0.071	1	J			GE	µg/L
Nickel, total recoverable	2.6	1	J			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	25,000	50	JV	■		GE	26,000	20		■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Tin, total recoverable	<50	1				GE							µg/L
Vanadium, total recoverable	0.38	1	J			GE							µg/L
Zinc, total recoverable	9.8	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1	J1		●	GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1	J1		●	GE							µg/L
Tetrachloroethylene	<2.0	1	J1		●	GE							µg/L
Trichloroethylene	<2.0	1	J1		●	GE							µg/L
Trichlorofluoromethane	<2.0	1	J1		●	GE							µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB111D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	1.0E-01	1	UI			GP							pCi/L
Carbon-14	4.6E+01	1	UIV			GP							pCi/L
Cobalt-60	2.8E-01	1	UI			GP							pCi/L
Curium-242	1.7E-01	1	UI			GP							pCi/L
Curium-243/244	4.5E-01	1				GP							pCi/L
Curium-245/246	-9.1E-03	1	UI			GP							pCi/L
Gross alpha	3.5E+00	1				GP	3.8E-01	1	UI			GP	pCi/L
Iodine-129	0.0E+00	1	UI			GP							pCi/L
Nickel-63	2.8E-01		UI										pCi/L
Nonvolatile beta	3.5E+01	1				GP	1.8E+00	1	UI			GP	pCi/L
Plutonium-238	-1.0E-01	1	UI			GP							pCi/L
Plutonium-239/240	9.1E-02	1	UI			GP							pCi/L
Radium-226	2.2E+00	1				GP							pCi/L
Radium-228	5.8E-01	1	UI			GP							pCi/L
Strontium-90	4.2E-01	1	UI			GP							pCi/L
Technetium-99	1.3E+02	1				GP							pCi/L
Thorium-228	1.8E-01	1	UI			GP							pCi/L
Thorium-230	1.4E-01	1	UI			GP							pCi/L
Thorium-232	-2.9E-02	1	UI			GP							pCi/L
Total alpha emitters	1.3E+00												pCi/L
Total beta emitters	1.3E+02			■									pCi/L
Tritium	4.7E+03	1	J	■		GP	4.1E+03	1		■		GP	pCi/mL
Uranium-233/234	3.7E-01	1				GP							pCi/L
Uranium-235	-1.0E-02	1	UI			GP							pCi/L
Uranium-238	4.8E-01	1				GP							pCi/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB111E

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N71932.8 E56487.2	33.277033 °N 81.657786 °W	231.7-211.7 ft msl	255.9 ft msl	4" PVC	V	Water Table (IIB2)

SAMPLE DATE	07/10/96	10/10/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	220.7	220.4	ft msl
pH	4.2	4.2	pH
Sp. conductance	46	52	µS/cm
Water temperature	27.0	23.3	°C
Alkalinity as CaCO ₃	1	0	mg/L
Turbidity	1	9	NTU
Volumes purged	2.9	2.6	well volumes
Sampling code			
Synchronous water level	220.8 (09/16/96)	220.1 (12/11/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	6.4	1	V			GE							µg/L
Cadmium, total recoverable	<2.0	1				GE							µg/L
Chromium, total recoverable	1.9	1	J			GE							µg/L
Cobalt, total recoverable	0.74	1	J			GE							µg/L
Copper, total recoverable	5.6	1	V			GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	<5.0	1				GE							µg/L
Mercury, total recoverable	<0.13	1	V			GE	<0.025	1	JV			GE	µg/L
Nickel, total recoverable	1.9	1	J			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	3,700	4				GE	3,500	2	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Tin, total recoverable	<50	1				GE							µg/L
Vanadium, total recoverable	<0.46	1	V			GE							µg/L
Zinc, total recoverable	11	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	2.0	1	R			GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Tetrachloroethylene	2.0	1	R1			GE							µg/L
Trichloroethylene	2.0	1	R1			GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB111E (cont.)

Radioactive Constituents

Parameter	3Q	DE	Mod	SI	H	Lab	4Q	DE	Mod	SI	H	Lab	Unit
Americium-241	1.5E-02	1	UI			GP							pCi/L
Carbon-14	1.7E+01	1				GP							pCi/L
Cobalt-60	5.9E+00	1				GP							pCi/L
Curium-242	-7.9E-05	1	UI			GP							pCi/L
Curium-243/244	8.1E-02	1	UI			GP							pCi/L
Curium-245/246	0.0E+00	1	UI			GP							pCi/L
Gross alpha	3.9E+00	1				GP	5.3E+00	1				GP	pCi/L
Iodine-129	7.2E-01	1	UJI			GP							pCi/L
Nickel-63	5.9E+00												pCi/L
Nonvolatile beta	2.1E+02	1		■		GP	2.1E+02	1		■		GP	pCi/L
Plutonium-238	-7.7E-02	1	UI			GP							pCi/L
Plutonium-239/240	3.6E-02	1	UI			GP							pCi/L
Radium-226	1.5E+00	1	UIV			GP							pCi/L
Radium-228	-1.6E-01	1	UI			GP							pCi/L
Strontium-90	1.3E+02	1		■		GP							pCi/L
Technetium-99	-2.6E-01	1	UI			GP							pCi/L
Thorium-228	7.5E-02	1	UI			GP							pCi/L
Thorium-230	2.2E-01	1				GP							pCi/L
Thorium-232	-8.8E-03	1	UI			GP							pCi/L
Total alpha emitters	8.4E-01												pCi/L
Total beta emitters	1.5E+02			■									pCi/L
Tritium	9.2E+02	1		■		GP	8.4E+02	1		■		GP	pCi/mL
Uranium-233/234	6.2E-01	1				GP							pCi/L
Uranium-235	8.0E-03	1	UI			GP							pCi/L
Uranium-238	2.0E-01	1	UIV			GP							pCi/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB112C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N72156.4 E56417.4	33.277413 °N 81.658404 °W	150.6-140.6 ft msl	254.9 ft msl	4" PVC	S	Bamwell (IIB1)

SAMPLE DATE 08/08/96 10/18/96

FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	220.4	220.2	ft msl
pH	5.4	5.4	pH
Sp. conductance	66	98	µS/cm
Water temperature	27.0	25.0	°C
Alkalinity as CaCO ₃	30	12	mg/L
Turbidity	0	2	NTU
Volumes purged	2.5	3.0	well volumes
Sampling code			
Synchronous water level	220.6 (09/16/96)	219.6 (12/11/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	15	1				GE							µg/L
Cadmium, total recoverable	<2.0	1				GE							µg/L
Chromium, total recoverable	1.3	1	J			GE							µg/L
Cobalt, total recoverable	0.43	1	J			GE							µg/L
Copper, total recoverable	16	1	V			GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	3.2	1	J			GE							µg/L
Mercury, total recoverable	0.022	1	J			GE	0.051	1	J			GE	µg/L
Nickel, total recoverable	2.8	1	J			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	7,300	10	V			GE	590	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	2.1	1	J			GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Tin, total recoverable	<50	1				GE							µg/L
Vanadium, total recoverable	<10	1				GE							µg/L
Zinc, total recoverable	38	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1	J			GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<2.7	1	V			GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB112C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	1.1E-02	1	UI			GP							pCi/L
Carbon-14	5.8E+01	1				GP							pCi/L
Cobalt-60	2.2E-01	1	UI			GP							pCi/L
Curium-242	7.9E-03	1	UI			GP							pCi/L
Curium-243/244	1.1E-02	1	UI			GP							pCi/L
Curium-245/246	0.0E+00	1	UI			GP							pCi/L
Gross alpha	5.3E-01	1	UI			GP	1.1E+00	1				GP	pCi/L
Iodine-129	-4.4E-01	1	UI			GP							pCi/L
Nickel-63	2.2E-01		UI										pCi/L
Nonvolatile beta	1.3E+01	1				GP	8.1E+00	1				GP	pCi/L
Plutonium-238	-4.7E-03	1	UI			GP							pCi/L
Plutonium-239/240	1.1E-01	1	UI			GP							pCi/L
Radium-226	5.7E-01	1				GP							pCi/L
Radium-228	-9.3E-01	1	UI			GP							pCi/L
Strontium-90	-3.8E-01	1	UI			GP							pCi/L
Technetium-99	2.0E+01	1	UI			GP							pCi/L
Thorium-228	-3.0E-03	1	UI			GP							pCi/L
Thorium-230	4.8E-01	1	UIV			GP							pCi/L
Thorium-232	2.4E-02	1	UI			GP							pCi/L
Total alpha emitters													
Total beta emitters	5.8E+01			■									pCi/L
Tritium	7.2E+02	1		■		GP	6.5E+02	1		■		GP	pCi/mL
Uranium-233/234	-1.8E-02	1	UI			GP							pCi/L
Uranium-235	1.9E-02	1	UI			GP							pCi/L
Uranium-238	6.0E-02	1	UI			GP							pCi/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB112D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N72161.6 E56408.1	33.277410 °N 81.658439 °W	198.3-188.3 ft msl	255.1 ft msl	4" PVC	V	Water Table (IIB2)

SAMPLE DATE	08/08/96	10/21/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	221.2	221.0	ft msl
pH	4.4	5.0	pH
Sp. conductance	98	120	µS/cm
Water temperature	28.0	26.0	°C
Alkalinity as CaCO ₃	5	2	mg/L
Turbidity	1	0	NTU
Volumes purged	2.5	2.3	well volumes
Sampling code			
Synchronous water level	221.4 (09/16/96)	220.7 (12/11/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<0.97	1	V			GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	1.6	1	J			GE							µg/L
Cadmium, total recoverable	<2.0	1				GE							µg/L
Chromium, total recoverable	1.4	1	J			GE							µg/L
Cobalt, total recoverable	1.2	1	J			GE							µg/L
Copper, total recoverable	3.3	1	J			GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	<5.0	1				GE							µg/L
Mercury, total recoverable	0.071	1				GE	0.056	1	J			GE	µg/L
Nickel, total recoverable	<10	1				GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	11,000	10	JV	■		GE	11,000	10		■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	1.5	1	J			GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Tin, total recoverable	<50	1				GE							µg/L
Vanadium, total recoverable	0.26	1	J			GE							µg/L
Zinc, total recoverable	3.3	1	J			GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1	J1		●	GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1	J1		●	GE							µg/L
Tetrachloroethylene	<2.0	1	J1		●	GE							µg/L
Trichloroethylene	<2.0	1	J1		●	GE							µg/L
Trichlorofluoromethane	<2.0	1	J1		●	GE							µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB112D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	1.5E-01	1	UI			GP							pCi/L
Carbon-14	2.9E+01	1	UIV			GP							pCi/L
Cobalt-60	1.3E+00	1	UI			GP							pCi/L
Curium-242	-2.9E-02	1	UI			GP							pCi/L
Curium-243/244	8.9E-02	1	UI			GP							pCi/L
Curium-245/246	3.0E-02	1	UI			GP							pCi/L
Gross alpha	6.1E-01	1	UI			GP	6.3E-01	1	UI			GP	pCi/L
Iodine-129	7.2E+00	1				GP							pCi/L
Nickel-63	1.3E+00		UI										pCi/L
Nonvolatile beta	8.2E+00	1				GP	6.5E+00	1				GP	pCi/L
Plutonium-238	-4.8E-02	1	UI			GP							pCi/L
Plutonium-239/240	8.4E-02	1	UI			GP							pCi/L
Radium-226	7.0E-01	1				GP							pCi/L
Radium-228	-6.1E-01	1	UI			GP							pCi/L
Strontium-90	1.0E+00	1				GP							pCi/L
Technetium-99	3.0E+01	1				GP							pCi/L
Thorium-228	1.8E-01	1	UI			GP							pCi/L
Thorium-230	7.4E-02	1	UI			GP							pCi/L
Thorium-232	1.0E-01	1	UI			GP							pCi/L
Total alpha emitters													
Total beta emitters	3.8E+01												pCi/L
Tritium	2.1E+03	1	J	■		GP	2.1E+03	1		■		GP	pCi/mL
Uranium-233/234	6.4E-02	1	UI			GP							pCi/L
Uranium-235	-1.0E-02	1	UI			GP							pCi/L
Uranium-238	0.0E+00	1	UI			GP							pCi/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB112E

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N72166.6 E56399.5	33.277407 °N 81.658471 °W	231.7-211.7 ft msl	255.1 ft msl	4" PVC	V	Water Table (IIB2)

SAMPLE DATE 07/11/96 10/10/96

FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	221.3	221.0	ft msl
pH	4.8	4.8	pH
Sp. conductance	70	76	µS/cm
Water temperature	28.0	25.0	°C
Alkalinity as CaCO ₃	3	0	mg/L
Turbidity	7	47	NTU
Volumes purged	0.0	0.16	well volumes
Sampling code	X	X	
Synchronous water level	221.4 (09/16/96)	220.6 (12/11/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<2.2	1	V			GE							µg/L
Barium, total recoverable	15	1				GE							µg/L
Cadmium, total recoverable	0.91	1	J			GE							µg/L
Chromium, total recoverable	1.7	1	J			GE							µg/L
Cobalt, total recoverable	4.2	1				GE							µg/L
Copper, total recoverable	23	1				GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	2.5	1	J			GE							µg/L
Mercury, total recoverable	<0.20	1				GE	<0.20	1	J			GE	µg/L
Nickel, total recoverable	5.2	1	J			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	5,400	4	V			GE	3,900	10	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	2.9	1	J			GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Tin, total recoverable	1.2	1	J			GE							µg/L
Vanadium, total recoverable	0.27	1	J			GE							µg/L
Zinc, total recoverable	26	1	V			GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB112E (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	SI	H	Lab	4Q	DF	Mod	SI	H	Lab	Unit
Americium-241	4.7E-01	1	UIV			GP							pCi/L
Carbon-14	-3.6E+01	1	UI			GP							pCi/L
Cobalt-60	5.2E+00	1				GP							pCi/L
Curium-242	4.6E-02	1	UI			GP							pCi/L
Curium-243/244	1.7E-01	1	UI			GP							pCi/L
Curium-245/246	3.0E-02	1	UI			GP							pCi/L
Gross alpha	3.6E+00	1				GP	1.4E+00	1				GP	pCi/L
Iodine-129	0.0E+00	1	UJI			GP							pCi/L
Nickel-63	5.2E+00												pCi/L
Nonvolatile beta	1.0E+02	1		■		GP	5.5E+01	1		■		GP	pCi/L
Plutonium-238	-4.6E-03	1	UI			GP							pCi/L
Plutonium-239/240	8.3E-02	1	UI			GP							pCi/L
Radium-226	2.3E+00	1				GP							pCi/L
Radium-228	-1.4E+00	1	UI			GP							pCi/L
Strontium-90	6.0E+01	1		■		GP							pCi/L
Technetium-99	3.0E+00	1	UJI			GP							pCi/L
Thorium-228	3.5E-02	1	UI			GP							pCi/L
Thorium-230	3.4E-01	1				GP							pCi/L
Thorium-232	2.6E-02	1	UI			GP							pCi/L
Total alpha emitters	7.5E-01												pCi/L
Total beta emitters	7.0E+01			■									pCi/L
Tritium	1.5E+02	1		■		GP	1.3E+02	1		■		GP	pCi/mL
Uranium-233/234	2.8E-01	1				GP							pCi/L
Uranium-235	-8.0E-03	1	UI			GP							pCi/L
Uranium-238	1.3E-01	1				GP							pCi/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB113C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N72312.3 E56160.4	33.277339 °N 81.659384 °W	161.7-151.7 ft msl	261 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE	08/09/96	10/25/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	221.0	220.3	ft msl
pH	5.6	4.4	pH
Sp. conductance	100	140	µS/cm
Water temperature	27.0	19.0	°C
Alkalinity as CaCO ₃	0	0	mg/L
Turbidity	2	2	NTU
Volumes purged	2.6	3.2	well volumes
Sampling code			
Synchronous water level	220.9 (09/16/96)	219.9 (12/11/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	31	1	V			GE							µg/L
Cadmium, total recoverable	0.38	1	J			GE							µg/L
Chromium, total recoverable	0.78	1	J			GE							µg/L
Cobalt, total recoverable	1.5	1	J			GE							µg/L
Copper, total recoverable	3.9	1	J			GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	1.3	1	J			GE							µg/L
Mercury, total recoverable	<0.20	1				GE	0.10	1	J			WA	µg/L
Nickel, total recoverable	2.8	1	J			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	6,100	10	V			GE	14,000	50		■		WA	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Tin, total recoverable	<50	1				GE							µg/L
Vanadium, total recoverable	<10	1				GE							µg/L
Zinc, total recoverable	21	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<1.2	1	V			GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB113C (cont.)

Radioactive Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Americium-241	1.3E-02	1	UJI			GP							pCi/L
Carbon-14	2.7E+01	1				GP							pCi/L
Cobalt-60	2.1E+00	1	UI			GP							pCi/L
Curium-242	-2.7E-02	1	UI			GP							pCi/L
Curium-243/244	-3.4E-02	1	UI			GP							pCi/L
Curium-245/246	2.2E-02	1	UI			GP							pCi/L
Gross alpha	1.9E+00	1				GP	3.1E+00	1				GP	pCi/L
Iodine-129	4.9E-01	1	UI			GP							pCi/L
Nickel-63	2.1E+00		UI										pCi/L
Nonvolatile beta	2.3E+01	1				GP	5.0E+01	1		■		TM	pCi/L
Plutonium-238	9.9E-02	1	UI			GP							pCi/L
Plutonium-239/240	-1.9E-02	1	UI			GP							pCi/L
Radium-226	2.9E+00	1	J			GP							pCi/L
Radium-228	7.1E-04	1	UI			GP							pCi/L
Strontium-90	2.8E-01	1	UI			GP							pCi/L
Technetium-99	7.1E+01	1				GP							pCi/L
Thorium-228	5.7E-03	1	UI			GP							pCi/L
Thorium-230	1.6E-01	1	UI			GP							pCi/L
Thorium-232	9.6E-02	1	UI			GP							pCi/L
Total alpha emitters	1.4E-01												pCi/L
Total beta emitters	9.7E+01			■									pCi/L
Tritium	1.4E+03	1		■		GP	1.6E+03	1		■		TM	pCi/mL
Uranium-233/234	7.5E-02	1	UI			GP							pCi/L
Uranium-235	2.8E-02	1	UI			GP							pCi/L
Uranium-238	1.4E-01	1				GP							pCi/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB113D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N72302.7 E56164.3	33.277324 °N 81.659355 °W	236.2-216.2 ft msl	260.9 ft msl	4" PVC	V	Water Table (IIB2)

SAMPLE DATE	08/01/96	10/11/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	220.4	220.8	ft msl
pH	3.8	3.8	pH
Sp. conductance	260	320	µS/cm
Water temperature	26.0	24.0	°C
Alkalinity as CaCO ₃	0	0	mg/L
Turbidity	1	1	NTU
Volumes purged	0.0	3.0	well volumes
Sampling code	X		
Synchronous water level	221.2 (09/16/96)	220.4 (12/11/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	58	1				GE							µg/L
Cadmium, total recoverable	0.28	1	J			GE							µg/L
Chromium, total recoverable	1.1	1	J			GE							µg/L
Cobalt, total recoverable	6.3	1				GE							µg/L
Copper, total recoverable	18	1				GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	2.5	1	J			GE							µg/L
Mercury, total recoverable	0.79	1				GE	<0.43	1	V			GE	µg/L
Nickel, total recoverable	9.6	1	J			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	34,000	50	V	■		GE	13,000	50	V	■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Tin, total recoverable	<50	1				GE							µg/L
Vanadium, total recoverable	<10	1				GE							µg/L
Zinc, total recoverable	68	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<1.0	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB113D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	1.6E-01	1	UI			GP							pCi/L
Carbon-14	6.7E+02	1	V			GP							pCi/L
Cobalt-60	6.2E+01	1				GP							pCi/L
Curium-242	2.2E-01	1	UI			GP							pCi/L
Curium-243/244	1.0E+00	1				GP							pCi/L
Curium-245/246	-2.3E-02	1	UI			GP							pCi/L
Gross alpha	3.1E+01	1		■		GP	2.6E+01	1		■		GP	pCi/L
Iodine-129	4.1E+01	1				GP							pCi/L
Nickel-63	6.2E+01												pCi/L
Nonvolatile beta	1.2E+03	1		■		GP	1.3E+03	1		■		GP	pCi/L
Plutonium-238	-7.9E-02	1	UI			GP							pCi/L
Plutonium-239/240	1.7E-01	1				GP							pCi/L
Radium-226	1.2E+01	1		■		GP							pCi/L
Radium-228	7.1E+00	1		■		GP							pCi/L
Strontium-90	4.9E+02	1	V	■		GP							pCi/L
Technetium-99	6.9E+01	1	J			GP							pCi/L
Thorium-228	5.5E-02	1	UI			GP							pCi/L
Thorium-230	2.3E+00	1	UIV			GP							pCi/L
Thorium-232	4.5E-02	1	UI			GP							pCi/L
Total alpha emitters	1.3E+00												pCi/L
Total beta emitters	1.4E+03			■									pCi/L
Tritium	2.4E+03	1		■		GP	2.9E+03	1		■		GP	pCi/mL
Uranium-233/234	1.5E+00	1	UIV			GP							pCi/L
Uranium-235	1.4E-01	1				GP							pCi/L
Uranium-238	6.9E-01	1	UIV			GP							pCi/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB114C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N72464.6 E56107.0	33.277589 °N 81.659820 °W	195.6-185.6 ft msl	263.8 ft msl	4" PVC	V	Bamwell (IIB1)

SAMPLE DATE	08/09/96	10/25/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	221.7	221.4	ft msl
pH	4.4	4.2	pH
Sp. conductance	260	260	µS/cm
Water temperature	26.0	24.0	°C
Alkalinity as CaCO ₃	1	0	mg/L
Turbidity	1	1	NTU
Volumes purged	2.2	3.7	well volumes
Sampling code			
Synchronous water level	221.7 (09/16/96)	()	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	41	1				GE							µg/L
Cadmium, total recoverable	0.68	1	J			GE							µg/L
Chromium, total recoverable	4.6	1				GE							µg/L
Cobalt, total recoverable	3.6	1	J			GE							µg/L
Copper, total recoverable	3.0	1	J			GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	<5.0	1				GE							µg/L
Mercury, total recoverable	0.077	1	J			GE	0.17	1	J			GE	µg/L
Nickel, total recoverable	11	1				GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	31,000	1	JV	■		GE	27,000	40		■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Tin, total recoverable	<50	1				GE							µg/L
Vanadium, total recoverable	<10	1				GE							µg/L
Zinc, total recoverable	32	1	V			GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<2.2	1	V			GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB114C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	0.0E+00	1	UI			GP							pCi/L
Carbon-14	2.0E+02	1	V			GP							pCi/L
Cobalt-60	-8.5E-02	1	UI			GP							pCi/L
Curium-242	0.0E+00	1	UI			GP							pCi/L
Curium-243/244	0.0E+00	1	UI			GP							pCi/L
Curium-245/246	0.0E+00	1	UI			GP							pCi/L
Gross alpha	5.1E+00	1	UI			GP	3.7E+00	1				GP	pCi/L
Iodine-129	2.4E+00	1				GP							pCi/L
Nickel-63	-8.5E-02		UI										pCi/L
Nonvolatile beta	3.5E+01	1	UI			GP	3.9E+01	1				GP	pCi/L
Plutonium-238	-5.8E-02	1	UI			GP							pCi/L
Plutonium-239/240	9.3E-02	1	UI			GP							pCi/L
Radium-226	4.7E+00	1	UI			GP							pCi/L
Radium-228	9.1E-01	1	UI			GP							pCi/L
Strontium-90	-4.7E-01	1	UI			GP							pCi/L
Technetium-99	1.6E+02	1				GP							pCi/L
Thorium-228	-6.5E-02	1	UI			GP							pCi/L
Thorium-230	1.5E-01	1	UI			GP							pCi/L
Thorium-232	6.1E-02	1	UI			GP							pCi/L
Total alpha emitters													
Total beta emitters	3.6E+02			■									
Tritium	4.1E+03	1	UJI			GP	5.3E+03	1		■		GP	pCi/mL
Uranium-233/234	0.0E+00	1	UI			GP							pCi/L
Uranium-235	0.0E+00	1	UI			GP							pCi/L
Uranium-238	0.0E+00	1	UI			GP							pCi/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB114D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N72474.2 E56104.6	33.277606 °N 81.659845 °W	232.8-212.8 ft msl	264 ft msl	4" PVC	V	Water Table (IIB2)

SAMPLE DATE 07/29/96 10/11/96

FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	221.3	221.3	ft msl
pH	3.8	3.8	pH
Sp. conductance	280	340	µS/cm
Water temperature	25.0	24.0	°C
Alkalinity as CaCO ₃	0	0	mg/L
Turbidity	12	0	NTU
Volumes purged	2.7	4.5	well volumes
Sampling code			
Synchronous water level	221.8 (09/16/96)	220.8 (12/11/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<2.0	1	V			GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	47	1	V			GE							µg/L
Cadmium, total recoverable	<0.23	1	V			GE							µg/L
Chromium, total recoverable	12	1	V			GE							µg/L
Cobalt, total recoverable	11	1	V			GE							µg/L
Copper, total recoverable	14	1	V			GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	2.0	1	J			GE							µg/L
Mercury, total recoverable	0.81	1				GE	<0.21	1V				GE µg/L	µg/L
Nickel, total recoverable	16	1				GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	29,000	20	JV	■		GE	33,000	50	V	■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	2.7	1	J			GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Tin, total recoverable	<50	1				GE							µg/L
Vanadium, total recoverable	<1.3	1	V			GE							µg/L
Zinc, total recoverable	49	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<1.0	1				GE							µg/L
Dichloromethane	28	2	V	■		GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB114D (cont.)

Radioactive Constituents

Parameter	3Q	DE	Mod	ST	H	Lab	4Q	DE	Mod	ST	H	Lab	Unit
Americium-241	4.8E-01	1				GP							pCi/L
Carbon-14	1.2E+02	1	JV			GP							pCi/L
Cobalt-60	3.9E+01	1				GP							pCi/L
Curium-242	-5.0E-03	1	UI			GP							pCi/L
Curium-243/244	-3.1E-03	1	UI			GP							pCi/L
Curium-245/246	0.0E+00	1	UI			GP							pCi/L
Gross alpha	2.0E+01	1		■		GP	2.0E+01	1		■		GP	pCi/L
Iodine-129	1.8E+02	1				GP							pCi/L
Nickel-63	3.9E+01												pCi/L
Nonvolatile beta	9.7E+02	1	V	■		GP	1.3E+03	1		■		GP	pCi/L
Plutonium-238	6.3E-03	1	UI			GP							pCi/L
Plutonium-239/240	2.1E-01	1				GP							pCi/L
Radium-226	1.2E+01	1	V	■		GP							pCi/L
Radium-228	7.9E+00	1		■		GP							pCi/L
Strontium-90	4.5E+02	1	V	■		GP							pCi/L
Technetium-99	5.4E+01	1				GP							pCi/L
Thorium-228	2.0E-01	1	UI			GP							pCi/L
Thorium-230	7.1E-01	1	UIV			GP							pCi/L
Thorium-232	5.0E-02	1	UI			GP							pCi/L
Total alpha emitters	3.7E+00												pCi/L
Total beta emitters	8.9E+02			■									pCi/L
Tritium	5.1E+03	1		■		GP	5.9E+03	1		■		GP	pCi/mL
Uranium-233/234	2.1E+00	1				GP							pCi/L
Uranium-235	1.0E-01	1	UI			GP							pCi/L
Uranium-238	8.9E-01	1				GP							pCi/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB115C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N72653.2 E56043.2	33.277902 °N 81.660355 °W	192.8-182.8 ft msl	269.3 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE	08/09/96	10/25/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	222.5	222.0	ft msl
pH	6.0	5.0	pH
Sp. conductance	180	220	µS/cm
Water temperature	27.0	25.0	°C
Alkalinity as CaCO ₃	17	7	mg/L
Turbidity	1	0	NTU
Volumes purged	0.038	3.2	well volumes
Sampling code	X		
Synchronous water level	222.8 (09/16/96)	221.5 (12/11/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	SI	H	Lab	4Q	DF	Mod	SI	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	30	1				GE							µg/L
Cadmium, total recoverable	1.8	1	J			GE							µg/L
Chromium, total recoverable	0.94	1	J			GE							µg/L
Cobalt, total recoverable	2.0	1	J			GE							µg/L
Copper, total recoverable	5.2	1				GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	7.9	1				GE							µg/L
Mercury, total recoverable	0.12	1	J			GE	0.071	1	J			GE	µg/L
Nickel, total recoverable	6.9	1	J			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	23,000	1	JV	■		GE	25,000	20		■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Tin, total recoverable	<50	1				GE							µg/L
Vanadium, total recoverable	<10	1				GE							µg/L
Zinc, total recoverable	53	1	V			GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	SI	H	Lab	4Q	DF	Mod	SI	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<1.0	1	J1		●	GE							µg/L
Dichloromethane	<2.3	1	V			GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB115C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	0.0E+00	1	UI			GP							pCi/L
Carbon-14	2.0E+02	1	V			GP							pCi/L
Cobalt-60	7.7E-01	1	UI			GP							pCi/L
Curium-242	0.0E+00	1	UI			GP							pCi/L
Curium-243/244	0.0E+00	1	UI			GP							pCi/L
Curium-245/246	0.0E+00	1	UI			GP							pCi/L
Gross alpha	2.7E+00	1				GP	5.1E+00	1				GP	pCi/L
Iodine-129	9.0E+00	1				GP							pCi/L
Nickel-63	7.7E-01		UI										pCi/L
Nonvolatile beta	2.1E+01	1				GP	5.0E+01	1				GP	pCi/L
Plutonium-238	6.1E-02	1	UI			GP							pCi/L
Plutonium-239/240	7.5E-02	1	UI			GP							pCi/L
Radium-226	4.8E+00	1	UI			GP							pCi/L
Radium-228	4.7E-01	1	UI			GP							pCi/L
Strontium-90	1.3E+01	1		■		GP							pCi/L
Technetium-99	6.8E+01	1	UI			GP							pCi/L
Thorium-228	1.5E-01	1	UI			GP							pCi/L
Thorium-230	1.8E-01	1	UI			GP							pCi/L
Thorium-232	3.3E-02	1	UI			GP							pCi/L
Total alpha emitters				■									pCi/L
Total beta emitters	2.2E+02												pCi/L
Tritium	4.9E+03	1	J	■		GP	4.6E+03	1		■		GP	pCi/mL
Uranium-233/234	0.0E+00	1	UI			GP							pCi/L
Uranium-235	0.0E+00	1	UI			GP							pCi/L
Uranium-238	0.0E+00	1	UI			GP							pCi/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB115D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N72662.3 E56039.8	33.277916 °N 81.660381 °W	233.9-213.9 ft msl	269.1 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 08/01/96 10/11/96

FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	221.8	222.0	ft msl
pH	4.0	4.0	pH
Sp. conductance	280	340	µS/cm
Water temperature	27.0	25.0	°C
Alkalinity as CaCO ₃	0	0	mg/L
Turbidity	291	4	NTU
Volumes purged	0.0	2.4	well volumes
Sampling code	X		
Synchronous water level	222.3 (09/16/96)	221.4 (12/11/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	190	1				GE							µg/L
Cadmium, total recoverable	3.6	1				GE							µg/L
Chromium, total recoverable	1.2	1	J			GE							µg/L
Cobalt, total recoverable	44	1				GE							µg/L
Copper, total recoverable	26	1				GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	34	1		■		GE							µg/L
Mercury, total recoverable	0.17	1	J			GE	<0.12	1	V			GE	µg/L
Nickel, total recoverable	48	1				GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	47,000	50	JV	■		GE	33,000	50	V	■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Tin, total recoverable	<50	1				GE							µg/L
Vanadium, total recoverable	0.36	1	J			GE							µg/L
Zinc, total recoverable	100	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<1.0	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	26	1		■		GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB115D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	1.8E-01	1	UI			GP							pCi/L
Carbon-14	1.6E+03	1	V			GP							pCi/L
Cobalt-60	1.1E+02	1				GP							pCi/L
Curium-242	1.3E-02	1	UI			GP							pCi/L
Curium-243/244	1.8E-01	1	UI			GP							pCi/L
Curium-245/246	-3.5E-02	1	UI			GP							pCi/L
Gross alpha	2.5E+00	1	UI			GP	3.7E+01	1		■		GP	pCi/L
Iodine-129	3.3E+01	1				GP							pCi/L
Nickel-63	1.1E+02												pCi/L
Nonvolatile beta	3.4E+03	1	V	■		GP	3.1E+03	1		■		GP	pCi/L
Plutonium-238	1.7E-01	1	UI			GP							pCi/L
Plutonium-239/240	9.1E-02	1	UI			GP							pCi/L
Radium-226	1.6E+01	1		■		GP							pCi/L
Radium-228	1.3E+01	1		■		GP							pCi/L
Strontium-90	1.4E+03	1	V	■		GP							pCi/L
Technetium-99	5.8E+01	1	J			GP							pCi/L
Thorium-228	1.1E-01	1	UI			GP							pCi/L
Thorium-230	6.2E-01	1	UIV			GP							pCi/L
Thorium-232	1.5E-01	1	UI			GP							pCi/L
Total alpha emitters	2.1E+00												pCi/L
Total beta emitters	3.4E+03			■									pCi/L
Tritium	4.8E+03	1		■		GP	5.3E+03	1		■		GP	pCi/mL
Uranium-233/234	2.1E+00	1	V			GP							pCi/L
Uranium-235	5.2E-02	1	UI			GP							pCi/L
Uranium-238	1.1E+00	1	UIV			GP							pCi/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB116C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N72888.1 E55989.1	33.278333 °N 81.660953 °W	190.5-180.5 ft msl	257.5 ft msl	4" PVC	V	Barnwell (IIB1)

SAMPLE DATE	08/09/96	10/28/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	223.5	223.0	ft msl
pH	5.0	4.8	pH
Sp. conductance	100	160	µS/cm
Water temperature	26.0	27.0	°C
Alkalinity as CaCO ₃	11	1	mg/L
Turbidity	1	0	NTU
Volumes purged	2.1	2.5	well volumes
Sampling code			
Synchronous water level	223.5 (09/17/96)	222.4 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	14	1				GE							µg/L
Cadmium, total recoverable	0.24	1	J			GE							µg/L
Chromium, total recoverable	<4.0	1				GE							µg/L
Cobalt, total recoverable	9.5	1				GE							µg/L
Copper, total recoverable	2.5	1	J			GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	<5.0	1				GE							µg/L
Mercury, total recoverable	0.26	1				GE	0.65	1				GE	µg/L
Nickel, total recoverable	1.2	1	J			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	17,000	10	JV	■		GE	15,000	10		■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Tin, total recoverable	<50	1				GE							µg/L
Vanadium, total recoverable	<10	1				GE							µg/L
Zinc, total recoverable	<3.8	1	V			GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB116C (cont.)

Radioactive Constituents

Parameter	3Q	DE	Mod	ST	H	Lab	4Q	DE	Mod	ST	H	Lab	Unit
Americium-241	0.0E+00	1	UI			GP							pCi/L
Carbon-14	8.5E+01	1	V			GP							pCi/L
Cobalt-60	4.3E-01	1	UI			GP							pCi/L
Curium-242	0.0E+00	1	UI			GP							pCi/L
Curium-243/244	0.0E+00	1	UI			GP							pCi/L
Curium-245/246	0.0E+00	1	UI			GP							pCi/L
Gross alpha	5.0E-01	1	UI			GP	1.5E+00	1				GP	pCi/L
Iodine-129	6.5E+00	1				GP							pCi/L
Nickel-63	4.3E-01		UI										pCi/L
Nonvolatile beta	4.8E+00	1	UI			GP	1.3E+01	1				GP	pCi/L
Plutonium-238	2.3E-02	1	UI			GP							pCi/L
Plutonium-239/240	1.3E-01	1	UI			GP							pCi/L
Radium-226	1.2E+00	1	UI			GP							pCi/L
Radium-228	-7.2E-01	1	UI			GP							pCi/L
Strontium-90	7.9E-01	1				GP							pCi/L
Technetium-99	3.9E+01	1	UI			GP							pCi/L
Thorium-228	6.6E-02	1	UI			GP							pCi/L
Thorium-230	2.0E-01	1	UI			GP							pCi/L
Thorium-232	0.0E+00	1	UI			GP							pCi/L
Total alpha emitters													
Total beta emitters	9.3E+01			■									pCi/L
Tritium	3.0E+03	1	UJI			GP	2.3E+03	1		■		GP	pCi/mL
Uranium-233/234	0.0E+00	1	UI			GP							pCi/L
Uranium-235	0.0E+00	1	UI			GP							pCi/L
Uranium-238	0.0E+00	1	UI			GP							pCi/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB116D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N72898.1 E55988.2	33.278354 °N 81.660975 °W	234.5-214.5 ft msl	256.8 ft msl	4" PVC	V	Water Table (IIB2)

SAMPLE DATE	08/13/96	10/10/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	223.5	223.5	ft msl
pH	5.0	4.2	pH
Sp. conductance	120	120	µS/cm
Water temperature	23.0	26.0	°C
Alkalinity as CaCO ₃	0	0	mg/L
Turbidity	1	0	NTU
Volumes purged	2.7	2.9	well volumes
Sampling code			
Synchronous water level	223.6 (09/17/96)	222.6 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	SI	H	Lab	4Q	DF	Mod	SI	H	Lab	Unit
Antimony, total recoverable	2.3	1	J			GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	43	1				GE							µg/L
Cadmium, total recoverable	0.52	1	J			GE							µg/L
Chromium, total recoverable	2.0	1	J			GE							µg/L
Cobalt, total recoverable	2.7	1	J			GE							µg/L
Copper, total recoverable	7.3	1				GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	5.4	1				GE							µg/L
Mercury, total recoverable	0.079	1	J			GE	<0.13	1	JV			GE	µg/L
Nickel, total recoverable	4.3	1	J			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	10,000	10	V	■		GE	9,800	10	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	4.5	1	J			GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Tin, total recoverable	<50	1				GE							µg/L
Vanadium, total recoverable	<10	1				GE							µg/L
Zinc, total recoverable	<14	1	V			GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	SI	H	Lab	4Q	DF	Mod	SI	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB116D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	SI	H	Lab	Unit	4Q	DF	Mod	SI	H	Lab	Unit
Americium-241	2.5E-02	1	UI			GP	pCi/L							
Carbon-14	5.9E+00	1	UI			GP	pCi/L							
Cobalt-60	3.5E+01	1				GP	pCi/L							
Curium-242	-2.6E-02	1	UI			GP	pCi/L							
Curium-243/244	6.4E-03	1	UI			GP	pCi/L							
Curium-245/246	0.0E+00	1	UI			GP	pCi/L							
Gross alpha	1.9E+01	1	J	■		GP	pCi/L	8.9E+00	1				GP	pCi/L
Iodine-129	1.8E+00	1	UI			GP	pCi/L							
Nickel-63	3.5E+01						pCi/L							
Nonvolatile beta	1.8E+03	1	J	■		GP	pCi/L	1.1E+03	1		■		GP	pCi/L
Plutonium-238	2.1E-02	1	UI			GP	pCi/L							
Plutonium-239/240	5.1E-02	1	UI			GP	pCi/L							
Radium-226	4.6E+00	1	J			GP	pCi/L							
Radium-228	1.4E+01	1		■		GP	pCi/L							
Strontium-90	1.1E+03	1		■		GP	pCi/L							
Technetium-99	3.1E+00	1	UI			GP	pCi/L							
Thorium-228	3.3E-02	1	UI			GP	pCi/L							
Thorium-230	1.6E-01	1	UIV			GP	pCi/L							
Thorium-232	2.9E-02	1	UI			GP	pCi/L							
Total alpha emitters	1.1E+00						pCi/L							
Total beta emitters	1.2E+03			■			pCi/L							
Tritium	6.6E+01	1		■		GP	pCi/mL	7.2E+01	1		■		GP	pCi/mL
Uranium-233/234	9.1E-01	1				GP	pCi/L							
Uranium-235	0.0E+00	1	UI			GP	pCi/L							
Uranium-238	1.6E-01	1				GP	pCi/L							

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB117A

<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>
N72733.6 E55170.1	33.276655 °N 81.662810 °W	94.8-84.8 ft msl	237.3 ft msl	4" PVC	S	M. Congaree (IIA)

SAMPLE DATE	08/06/96	10/22/96
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FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	166.6	166.3	ft msl
pH	6.2	6.4	pH
Sp. conductance	120	120	µS/cm
Water temperature	25.0	18.0	°C
Alkalinity as CaCO ₃	34	7	mg/L
Turbidity	1	0	NTU
Volumes purged	2.4	2.5	well volumes
Sampling code			
Synchronous water level	166.5 (09/17/96)	166.2 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	<0.20	1				GE	<0.089	1	V			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	240	1	V			GE	150	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB117A (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	3.0E-01	1	UI			GP	1.5E+00	1				GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	3.2E+00	1				GP	3.0E+00	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	2.2E-01	1	UI			GP	-1.0E-01	1	UI			TM	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB117C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N72740.7 E55162.9	33.276659 °N 81.662842 °W	175.1-165.1 ft msl	237.4 ft msl	4" PVC	V	Bamwell (IIB1)

SAMPLE DATE	08/07/96	10/31/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	219.9	218.7	ft msl
pH	4.4	4.2	pH
Sp. conductance	280	400	µS/cm
Water temperature	27.0	26.0	°C
Alkalinity as CaCO ₃	2	0	mg/L
Turbidity	0	1	NTU
Volumes purged	2.2	2.2	well volumes
Sampling code			
Synchronous water level	218.6 (09/17/96)	218.3 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	75	1				GE							µg/L
Cadmium, total recoverable	<2.0	1				GE							µg/L
Chromium, total recoverable	1.3	1	J			GE							µg/L
Cobalt, total recoverable	5.4	1				GE							µg/L
Copper, total recoverable	2.9	1	J			GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	<5.0	1				GE							µg/L
Mercury, total recoverable	<0.20	1				GE							µg/L
Nickel, total recoverable	3.9	1	J			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	48,000	50	JV	■		GE							µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Tin, total recoverable	<50	1				GE							µg/L
Vanadium, total recoverable	<10	1				GE							µg/L
Zinc, total recoverable	14	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB117C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	2.1E-01	1	UI			GP							pCi/L
Carbon-14	1.8E+02	1	V			GP							pCi/L
Cobalt-60	-2.3E+00	1	UI			GP							pCi/L
Curium-242	8.7E-02	1	UI			GP							pCi/L
Curium-243/244	3.9E-01	1	UI			GP							pCi/L
Curium-245/246	-2.9E-02	1	UI			GP							pCi/L
Gross alpha	1.5E+01	1				GP	7.5E+00	1	J3			GP	pCi/L
Iodine-129	4.8E+00	1				GP							pCi/L
Nickel-63	-2.3E+00		UI										pCi/L
Nonvolatile beta	5.5E+01	1		■		GP	4.5E+01	1	J3			GP	pCi/L
Plutonium-238	3.1E-02	1	UI			GP							pCi/L
Plutonium-239/240	6.5E-02	1	UI			GP							pCi/L
Radium-226	7.5E+00	1		■		GP							pCi/L
Radium-228	2.6E+00	1				GP							pCi/L
Strontium-90	-8.7E-01	1	UI			GP							pCi/L
Technetium-99	2.3E+02	1				GP							pCi/L
Thorium-228	1.9E-01	1	UI			GP							pCi/L
Thorium-230	4.3E-01	1	UIV			GP							pCi/L
Thorium-232	-6.0E-02	1	UI			GP							pCi/L
Total alpha emitters	2.3E+00												pCi/L
Total beta emitters	4.3E+02			■									pCi/L
Tritium	7.1E+03	1	J	■		GP							pCi/mL
Uranium-233/234	3.8E-01	1				GP							pCi/L
Uranium-235	1.8E-01	1	UI			GP							pCi/L
Uranium-238	1.9E+00	1				GP							pCi/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB117D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N72747.6 E55155.6	33.276662 °N 81.662875 °W	220.3-200.3 ft msl	237.6 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 08/06/96 10/17/96

FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	222.5	221.1	ft msl
pH	4.6	4.8	pH
Sp. conductance	16	20	µS/cm
Water temperature	25.0	24.0	°C
Alkalinity as CaCO ₃	7	1	mg/L
Turbidity	1	2	NTU
Volumes purged	3.6	5.1	well volumes
Sampling code			
Synchronous water level	221.4 (09/17/96)	219.4 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	0.020	1	J			GE	<0.20	1				GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	870	1	V			GE	680	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB117D (cont.)

Radioactive Constituents

Parameter	3Q	DE	Mod	ST	H	Lab	4Q	DE	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	7.7E-02	1	UI			GP	2.1E-01	1	UI			GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	1.0E+00	1	UI			GP	7.7E-01	1	UI			GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	2.2E+01	1		■		GP	1.8E+01	1				GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB118A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N72696.4 E55775.6	33.277561 °N 81.661143 °W	101.0-91.0 ft msl	247.3 ft msl	4" PVC	S	U. Congaree (IIA)

SAMPLE DATE	08/07/96	10/21/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	167.9	167.3	ft msl
pH	6.4	6.4	pH
Sp. conductance	200	200	µS/cm
Water temperature	27.0	26.0	°C
Alkalinity as CaCO ₃	39	47	mg/L
Turbidity	1	2	NTU
Volumes purged	2.5	2.5	well volumes
Sampling code			
Synchronous water level	167.6 (09/16/96)	167.6 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	44	1				GE							µg/L
Cadmium, total recoverable	<2.0	1				GE							µg/L
Chromium, total recoverable	<4.0	1				GE							µg/L
Cobalt, total recoverable	0.61	1	J			GE							µg/L
Copper, total recoverable	1.7	1	J			GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	<5.0	1				GE							µg/L
Mercury, total recoverable	<0.20	1				GE	0.042	1	J			GE	µg/L
Nickel, total recoverable	<10	1				GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	12,000	10	JV	■		GE	9,800	10				GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Tin, total recoverable	<50	1				GE							µg/L
Vanadium, total recoverable	0.49	1	J			GE							µg/L
Zinc, total recoverable	<5.0	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB118A (cont.)

Radioactive Constituents

Parameter	3Q	DE	Mod	SI	H	Lab	4Q	DE	Mod	SI	H	Lab	Unit
Americium-241	1.8E-02	1	UI			GP							pCi/L
Carbon-14	6.6E+01	1	V			GP							pCi/L
Cobalt-60	-6.6E-02	1	UI			GP							pCi/L
Curium-242	-2.5E-03	1	UI			GP							pCi/L
Curium-243/244	1.2E-01	1	UI			GP							pCi/L
Curium-245/246	0.0E+00	1	UI			GP							pCi/L
Gross alpha	1.5E+00	1				GP	1.3E+00	1				GP	pCi/L
Iodine-129	2.4E+00	1				GP							pCi/L
Nickel-63	-6.6E-02		UI										pCi/L
Nonvolatile beta	7.0E+00	1				GP	1.1E+01	1				GP	pCi/L
Plutonium-238	-2.7E-02	1	UI			GP							pCi/L
Plutonium-239/240	4.0E-01	1				GP							pCi/L
Radium-226	9.7E-01	1				GP							pCi/L
Radium-228	1.1E-01	1	UI			GP							pCi/L
Strontium-90	9.6E-01	1				GP							pCi/L
Technetium-99	1.9E+01	1				GP							pCi/L
Thorium-228	1.4E-02	1	UI			GP							pCi/L
Thorium-230	2.7E-01	1	UIV			GP							pCi/L
Thorium-232	-2.5E-02	1	UI			GP							pCi/L
Total alpha emitters	4.0E-01												pCi/L
Total beta emitters	8.9E+01			■									pCi/L
Tritium	5.5E+03	1	J	■		GP	4.4E+03	1		■		GP	pCi/mL
Uranium-233/234	6.0E-01	1	UIV			GP							pCi/L
Uranium-235	1.1E-01	1	UI			GP							pCi/L
Uranium-238	5.2E-01	1	UIV			GP							pCi/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB119A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N73082.5 E56100.2	33.278944 °N 81.661038 °W	103.3-93.3 ft msl	257.1 ft msl	4" PVC	S	U. Congaree (IIA)

SAMPLE DATE	08/07/96	10/18/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	167.1	167.0	ft msl
pH	6.0	6.2	pH
Sp. conductance	84	120	µS/cm
Water temperature	26.0	26.0	°C
Alkalinity as CaCO ₃	30	29	mg/L
Turbidity	4	2	NTU
Volumes purged	0.021	0.021	well volumes
Sampling code	X	X	
Synchronous water level	167.2 (09/17/96)	167.0 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<3.1	1	V			GE							µg/L
Arsenic, total recoverable	4.5	1	J			GE							µg/L
Barium, total recoverable	10	1				GE							µg/L
Cadmium, total recoverable	<2.0	1				GE							µg/L
Chromium, total recoverable	1.0	1	J			GE							µg/L
Cobalt, total recoverable	0.35	1	J			GE							µg/L
Copper, total recoverable	4.4	1				GE							µg/L
Cyanide	<10	1	Y			GE							µg/L
Lead, total recoverable	<5.0	1				GE							µg/L
Mercury, total recoverable	0.18	1	J			GE	<0.056	1	V			GE	µg/L
Nickel, total recoverable	1.0	1	J			GE							µg/L
Nitrate as nitrogen													µg/L
Nitrate-nitrite as nitrogen	6,100	5	VY			GE	6,600	10	V			GE	µg/L
Nitrite as nitrogen													µg/L
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Tin, total recoverable	<50	1				GE							µg/L
Vanadium, total recoverable	0.83	1	J			GE							µg/L
Zinc, total recoverable	25	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1	Y			GE							µg/L
Bis(2-ethylhexyl) phthalate	1.5	1				GE							µg/L
Dichloromethane	<1.3	1	VY			GE							µg/L
Tetrachloroethylene	<2.0	1	Y			GE							µg/L
Trichloroethylene	<2.0	1	Y			GE							µg/L
Trichlorofluoromethane	<2.0	1	Y			GE							µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB119A (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	3.3E-02	1	UI			GP							pCi/L
Carbon-14	6.4E+01	1				GP							pCi/L
Cobalt-60	2.3E-01	1	UI			GP							pCi/L
Curium-242	3.0E-02	1	UI			GP							pCi/L
Curium-243/244	5.3E-02	1	UI			GP							pCi/L
Curium-245/246	-6.5E-03	1	UI			GP							pCi/L
Gross alpha	7.0E-01	1				GP	1.5E+00	1				GP	pCi/L
Iodine-129	-3.0E-01	1	UI			GP							pCi/L
Nickel-63	2.3E-01		UI										pCi/L
Nonvolatile beta	8.1E+00	1				GP	7.1E+00	1				GP	pCi/L
Plutonium-238	6.0E-02	1	UI			GP							pCi/L
Plutonium-239/240	-6.9E-03	1	UI			GP							pCi/L
Radium-226	1.0E+00	1				GP							pCi/L
Radium-228	1.4E-01	1	UI			GP							pCi/L
Strontium-90	-3.3E-02	1	UI			GP							pCi/L
Technetium-99	1.5E+01	1	UI			GP							pCi/L
Thorium-228	1.1E-01	1	UI			GP							pCi/L
Thorium-230	3.6E-01	1	UIV			GP							pCi/L
Thorium-232	4.0E-02	1	UI			GP							pCi/L
Total alpha emitters													
Total beta emitters	6.4E+01			■									pCi/L
Tritium	4.6E+02	1		■		GP	4.9E+02	1		■		GP	pCi/mL
Uranium-233/234	1.7E-02	1	UI			GP							pCi/L
Uranium-235	2.1E-02	1	UI			GP							pCi/L
Uranium-238	1.7E-02	1	UI			GP							pCi/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB120A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N73395.1 E56431.9	33.280177 °N 81.660772 °W	101.0-91.0 ft msl	268.2 ft msl	4" PVC	S	U. Congaree (IIA)

SAMPLE DATE	08/19/96	10/18/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	166.4	166.2	ft msl
pH	7.0	6.6	pH
Sp. conductance	180	180	µS/cm
Water temperature	22.0	19.0	°C
Alkalinity as CaCO ₃	97	16	mg/L
Turbidity	1	1	NTU
Volumes purged	2.6	2.6	well volumes
Sampling code			
Synchronous water level	166.3 (09/17/96)	167.0 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	31	1				GE							µg/L
Cadmium, total recoverable	<2.0	1				GE							µg/L
Chromium, total recoverable	2.1	1	J			WA							µg/L
Cobalt, total recoverable	<4.0	1				GE							µg/L
Copper, total recoverable	<2.7	1	V			GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	<5.0	1				GE							µg/L
Mercury, total recoverable	0.041	1	J			GE	0.13	1	J			GE	µg/L
Nickel, total recoverable	<10	1				GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	360	1	V			GE	420	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	1.7	1	J			GE							µg/L
Silver, total recoverable	0.68	1	J			WA							µg/L
Tin, total recoverable	<50	1				GE							µg/L
Vanadium, total recoverable	<6.9	1				WA							µg/L
Zinc, total recoverable	8.6	1	J			WA							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<2.4	1	V			WA							µg/L
Dichloromethane	3.6	1	J			GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB120A (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	5.8E-01	1	J1			TM							pCi/L
Carbon-14	2.1E+00	1	UI			GP							pCi/L
Cobalt-60	2.4E-01	1	UI			TM							pCi/L
Curium-242	4.8E-03	1	UI			GP							pCi/L
Curium-243/244	6.8E-03	1	UI			GP							pCi/L
Curium-245/246	-3.4E-03	1	UI			GP							pCi/L
Gross alpha	6.2E-01	1	UI			GP	4.5E-01	1	UI			GP	pCi/L
Iodine-129	0.0E+00	1	UI			GP							pCi/L
Nickel-63	2.4E-01		UI										pCi/L
Nonvolatile beta	1.8E+00	1	J1			TM	1.6E+00	1				GP	pCi/L
Plutonium-238	2.3E-02	1	UI			GP							pCi/L
Plutonium-239/240	1.2E-02	1	UI			GP							pCi/L
Radium-226	9.4E-01	1				GP							pCi/L
Radium-228	2.7E+00	1				GP							pCi/L
Strontium-90	0.0E+00	1	UI			TM							pCi/L
Technetium-99	0.0E+00	1	UI			GP							pCi/L
Thorium-228	3.5E-01	1	J1			TM							pCi/L
Thorium-230	-8.8E-03	1	UI			GP							pCi/L
Thorium-232	0.0E+00	1	UI			TM							pCi/L
Total alpha emitters	1.6E+00												pCi/L
Total beta emitters	2.7E+00												pCi/L
Tritium	1.4E-02	1	UI			GP	-1.9E-01	1	UI			GP	pCi/mL
Uranium-233/234	3.0E-01	1				GP							pCi/L
Uranium-235	0.0E+00	1	UI			GP							pCi/L
Uranium-238	3.8E-01	1	J1			TM							pCi/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB121A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N72024.8 E57389.6	33.278709 °N 81.655589 °W	98.3-88.3 ft msl	274.6 ft msl	4" PVC	S	U. Congaree (IIA)

SAMPLE DATE	08/06/96	10/25/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	171.8	171.6	ft msl
pH	5.6	6.4	pH
Sp. conductance	160	200	µS/cm
Water temperature	26.0	20.0	°C
Alkalinity as CaCO ₃	110	1	mg/L
Turbidity	1	2	NTU
Volumes purged	2.4	3.1	well volumes
Sampling code			
Synchronous water level	171.8 (09/17/96)	171.6 (12/16/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	33	1				GE							µg/L
Cadmium, total recoverable	<2.0	1				GE							µg/L
Chromium, total recoverable	<4.0	1				GE							µg/L
Cobalt, total recoverable	0.19	1	J			GE							µg/L
Copper, total recoverable	<4.0	1				GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	<5.0	1				GE							µg/L
Mercury, total recoverable	0.091	1	J			GE	<0.022	1	V			GE	µg/L
Nickel, total recoverable	<10	1				GE							µg/L
Nitrate as nitrogen													µg/L
Nitrate-nitrite as nitrogen	320	1	V			GE	170	1	V			GE	µg/L
Nitrite as nitrogen													µg/L
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Tin, total recoverable	<50	1				GE							µg/L
Vanadium, total recoverable	<10	1				GE							µg/L
Zinc, total recoverable	<5.0	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	2.4	1	J			GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB121A (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	1.6E-02	1	UI			GP							pCi/L
Carbon-14	-2.2E+00	1	UI			GP							pCi/L
Cobalt-60	1.2E+00	1	UI			GP							pCi/L
Curium-242	-4.1E-02	1	UI			GP							pCi/L
Curium-243/244	-1.1E-02	1	UI			GP							pCi/L
Curium-245/246	-9.5E-03	1	UI			GP							pCi/L
Gross alpha	1.6E+00	1	UIV			GP	2.5E+00	1	J1			TM	pCi/L
Iodine-129	-2.0E-01	1	UI			GP							pCi/L
Nickel-63	1.2E+00		UI										pCi/L
Nonvolatile beta	3.3E+00	1				GP	2.0E+00	1				GP	pCi/L
Plutonium-238	-8.2E-02	1	UI			GP							pCi/L
Plutonium-239/240	0.0E+00	1	UI			GP							pCi/L
Radium-226	4.4E-01	1	UI			GP							pCi/L
Radium-228	3.8E-01	1	UI			GP							pCi/L
Strontium-90	8.8E-02	1	UI			GP							pCi/L
Technetium-99	-1.3E+01	1	UI			GP							pCi/L
Thorium-228	2.8E-02	1	UI			GP							pCi/L
Thorium-230	5.8E-01	1	UIV			GP							pCi/L
Thorium-232	1.2E-01	1	UI			GP							pCi/L
Total alpha emitters	1.3E-01												pCi/L
Total beta emitters													
Tritium	-1.3E-01	1	UI			GP	8.3E+00	1				TM	pCi/mL
Uranium-233/234	1.2E-01	1	UI			GP							pCi/L
Uranium-235	1.3E-02	1	UI			GP							pCi/L
Uranium-238	1.3E-01	1				GP							pCi/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB122A

<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>
N72195.9 E57747.4	33.279671 °N 81.654979 °W	95.4-85.4 ft msl	271.6 ft msl	4" PVC	S	U. Congaree (IIA)

SAMPLE DATE	08/20/96	10/21/96
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FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	171.6	171.5	ft msl
pH	6.6	6.8	pH
Sp. conductance	200	180	µS/cm
Water temperature	22.0	20.0	°C
Alkalinity as CaCO ₃	66	22	mg/L
Turbidity	0	0	NTU
Volumes purged	3.2	2.5	well volumes
Sampling code			
Synchronous water level	171.5 (09/17/96)	171.3 (12/16/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable	<1.1	1	V			GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	25	1				GE							µg/L
Cadmium, total recoverable	<2.0	1				GE							µg/L
Chromium, total recoverable	210	1	V	■		WA							µg/L
Cobalt, total recoverable	<0.58	1	V			WA							µg/L
Copper, total recoverable	26	1				WA							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	<5.0	1				GE							µg/L
Mercury, total recoverable	0.15	1	J			GE	0.015	1	J			GE	µg/L
Nickel, total recoverable	120	1		■		WA							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	400	1	V			GE	170	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1	J			GE							µg/L
Tin, total recoverable	<50	1				GE							µg/L
Vanadium, total recoverable	0.78	1	J			WA							µg/L
Zinc, total recoverable	9.8	1	J			WA							µg/L

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<3.5	1	V			WA							µg/L
Dichloromethane	3.0	1	J			GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	1.5	1	J			WA							µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB122A (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	9.1E-01	1	J1			TM							pCi/L
Carbon-14	5.7E+01	1				GP							pCi/L
Cobalt-60	-8.2E-02	1	UI			GP							pCi/L
Curium-242	-2.3E-03	1	UI			GP							pCi/L
Curium-243/244	3.0E-01	1				GP							pCi/L
Curium-245/246	1.4E-01	1				GP							pCi/L
Gross alpha	2.0E+01	1	V	■		TM	1.3E+00	1				GP	pCi/L
Iodine-129	1.4E-01	1	UI			GP							pCi/L
Nickel-63	-8.2E-02		UI										pCi/L
Nonvolatile beta	2.0E+00	1	J1			TM	1.3E+00	1				GP	pCi/L
Plutonium-238	-1.1E-02	1	UI			GP							pCi/L
Plutonium-239/240	-1.5E-02	1	UI			GP							pCi/L
Radium-226	3.4E-01	1	UI			GP							pCi/L
Radium-228	9.0E-02	1	UI			TM							pCi/L
Strontium-90	0.0E+00	1	UI			TM							pCi/L
Technetium-99	-4.6E-01	1	UI			TM							pCi/L
Thorium-228	4.8E-01	1	J1			TM							pCi/L
Thorium-230	6.8E-02	1	UI			GP							pCi/L
Thorium-232	-8.3E-03	1	UI			GP							pCi/L
Total alpha emitters	1.8E+00												pCi/L
Total beta emitters	5.7E+01			■									pCi/L
Tritium	-7.5E-03	1	UI			GP	-3.5E-01	1	UI			GP	pCi/mL
Uranium-233/234	4.5E-02	1	UI			GP							pCi/L
Uranium-235	-4.2E-03	1	UI			GP							pCi/L
Uranium-238	3.1E-02	1	UI			GP							pCi/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB123A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N72189.8 E58124.8	33.280273 °N 81.653973 °W	103.6-93.6 ft msl	265.7 ft msl	4" PVC	S	U. Congaree (IIA)

SAMPLE DATE	08/07/96	10/18/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	172.4	172.1	ft msl
pH	11.0	12.0	pH
Sp. conductance	980	1080	µS/cm
Water temperature	26.0	21.0	°C
Alkalinity as CaCO ₃	262	930	mg/L
Turbidity	2	2	NTU
Volumes purged	0.019	0.019	well volumes
Sampling code	X	X	
Synchronous water level	172.6 (09/17/96)	171.8 (12/16/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	350	1				GE							µg/L
Cadmium, total recoverable	0.86	1	J			GE							µg/L
Chromium, total recoverable	2.9	1	J			GE							µg/L
Cobalt, total recoverable	1.6	1	J			GE							µg/L
Copper, total recoverable	6.2	1	V			GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	6.8	1				GE							µg/L
Mercury, total recoverable	<0.20	1				GE	<0.022	1	JV			GE	µg/L
Nickel, total recoverable	1.4	1	J			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	240	1	V			GE	60	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	3.3	1	J			GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB123A (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	-4.0E-02	1	UI			GP							pCi/L
Carbon-14													
Cobalt-60	3.4E-01	1	UI			GP							pCi/L
Curium-242	-8.7E-03	1	UI			GP							pCi/L
Curium-243/244	2.0E-02	1	UI			GP							pCi/L
Curium-245/246	-4.1E-03	1	UI			GP							pCi/L
Gross alpha	1.7E+01	1		■		GP	6.5E+00	1				GP	pCi/L
Iodine-129	1.1E+00	1	UI			GP							pCi/L
Nickel-63	3.4E-01		UI										pCi/L
Nonvolatile beta	1.1E+01	1				GP	8.6E+00	1				GP	pCi/L
Plutonium-238	-3.8E-02	1	UI			GP							pCi/L
Plutonium-239/240	2.6E-02	1	UI			GP							pCi/L
Radium-226	3.1E+00	1				GP							pCi/L
Radium-228	7.0E-01	1	UI			GP							pCi/L
Strontium-90	-2.1E-01	1	UI			GP							pCi/L
Technetium-99	-1.4E+01	1	UI			GP							pCi/L
Thorium-228	-4.7E-02	1	UI			GP							pCi/L
Thorium-230	2.5E-01	1	UIV			GP							pCi/L
Thorium-232	3.2E-02	1	UI			GP							pCi/L
Total alpha emitters													
Total beta emitters													
Tritium	-8.1E-02	1	UI			GP	-2.2E-01	1	UI			GP	pCi/mL
Uranium-233/234	-7.2E-03	1	UI			GP							pCi/L
Uranium-235	-3.0E-03	1	UI			GP							pCi/L
Uranium-238	7.8E-03	1	UI			GP							pCi/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB124AR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N72202.7 E58531.7	33.280965 °N 81.652927 °W	104.6-94.6 ft msl	266.8 ft msl	4" PVC	S	U. Congaree (IIA)

SAMPLE DATE	08/08/96	10/28/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	172.1	171.7	ft msl
pH	7.4	6.8	pH
Sp. conductance	200	200	µS/cm
Water temperature	27.0	19.0	°C
Alkalinity as CaCO ₃	18	1	mg/L
Turbidity	2	0	NTU
Volumes purged	2.5	2.9	well volumes
Sampling code			
Synchronous water level	172.0 (09/17/96)	171.5 (12/16/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	31	1				GE							µg/L
Cadmium, total recoverable	<2.0	1				GE							µg/L
Chromium, total recoverable	<4.0	1				GE							µg/L
Cobalt, total recoverable	0.18	1	J			GE							µg/L
Copper, total recoverable	<4.0	1				GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	<5.0	1				GE							µg/L
Mercury, total recoverable	0.23	1				GE	<0.20	1				GE	µg/L
Nickel, total recoverable	<10	1				GE							µg/L
Nitrate as nitrogen													µg/L
Nitrate-nitrite as nitrogen	440	1	V			GE	190	1	V			GE	µg/L
Nitrite as nitrogen													µg/L
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Tin, total recoverable	<50	1				GE							µg/L
Vanadium, total recoverable	<10	1				GE							µg/L
Zinc, total recoverable	<5.0	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1	J			GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<2.2	1	V			GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB124AR (cont.)

Radioactive Constituents

Parameter	3Q	DE	Mod	ST	H	Lab	4Q	DE	Mod	ST	H	Lab	Unit
Americium-241	3.3E-04	1	UI			GP							pCi/L
Carbon-14	1.5E+00	1	UI			GP							pCi/L
Cobalt-60	6.2E-01	1	UI			GP							pCi/L
Curium-242	-7.8E-03	1	UI			GP							pCi/L
Curium-243/244	1.9E-02	1	UI			GP							pCi/L
Curium-245/246	0.0E+00	1	UI			GP							pCi/L
Gross alpha	8.3E-01	1	UI			GP	9.7E-01	1				GP	pCi/L
Iodine-129	1.0E+00	1	UI			GP							pCi/L
Nickel-63	6.2E-01		UI										pCi/L
Nonvolatile beta	9.2E-01	1	UI			GP	1.5E+00	1				GP	pCi/L
Plutonium-238	5.3E-02	1	UI			GP							pCi/L
Plutonium-239/240	3.7E-02	1	UI			GP							pCi/L
Radium-226	1.8E+00	1	J			GP							pCi/L
Radium-228	3.2E-01	1	UI			GP							pCi/L
Strontium-90	-1.5E-01	1	UI			GP							pCi/L
Technetium-99	-1.1E+01	1	UI			GP							pCi/L
Thorium-228	2.4E-01	1	UI			GP							pCi/L
Thorium-230	1.1E+00	1	UIV			GP							pCi/L
Thorium-232	1.8E-01	1	UI			GP							pCi/L
Total alpha emitters													
Total beta emitters													
Tritium	-1.5E-01	1	UI			GP	-1.0E-01	1	UI			GP	pCi/mL
Uranium-233/234	5.0E-02	1	UI			GP							pCi/L
Uranium-235	-3.2E-03	1	UI			GP							pCi/L
Uranium-238	7.6E-02	1	UI			GP							pCi/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB125C

<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>
N71503.6 E58592.8	33.279519 °N 81.651408 °W	155.6-145.6 ft msl	231.9 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE	08/08/96	10/18/96
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FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	222.8	222.6	ft msl
pH	4.4	5.8	pH
Sp. conductance	100	22	µS/cm
Water temperature	26.0	19.0	°C
Alkalinity as CaCO ₃	1	1	mg/L
Turbidity	8	1	NTU
Volumes purged	2.2	2.5	well volumes
Sampling code			
Synchronous water level	222.9 (09/16/96)	223.4 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	0.12	1	J			GE	0.092	1	J			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	310	1	V			GE	290	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB125C (cont.)

Radioactive Constituents

Parameter	3Q	DE	Mod	ST	H	Lab	4Q	DE	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	4.7E-02	1	UI			GP	2.3E-01	1	UI			GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	1.1E-01	1	UI			GP	3.9E-01	1	UI			GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	2.7E+00	1				GP	2.8E+00	1				GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB125D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N71498.2 E58584.1	33.279492 °N 81.651421 °W	219.4-199.4 ft msl	231.7 ft msl	4" PVC	V	Water Table (IIB2)

SAMPLE DATE	08/19/96	10/25/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	220.4	219.9	ft msl
pH	5.4	4.8	pH
Sp. conductance	180	140	µS/cm
Water temperature	22.0	26.0	°C
Alkalinity as CaCO ₃	25	3	mg/L
Turbidity	1	3	NTU
Volumes purged	3.3	3.6	well volumes
Sampling code			
Synchronous water level	220.3 (09/16/96)	220.1 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	8.3	1				GE							µg/L
Cadmium, total recoverable	<2.0	1				GE							µg/L
Chromium, total recoverable	<4.0	1				GE							µg/L
Cobalt, total recoverable	0.65	1	J			GE							µg/L
Copper, total recoverable	<2.3	1	V			GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	<5.0	1				GE							µg/L
Mercury, total recoverable	1.7	1				GE	1.2	1				GE	µg/L
Nickel, total recoverable	<10	1				GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	16,000	10	JV	■		GE	16,000	10		■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Tin, total recoverable	<50	1				GE							µg/L
Vanadium, total recoverable	<10	1				GE							µg/L
Zinc, total recoverable	<5.0	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	2.8	1	J			GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB125D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	SI	H	Lab	4Q	DF	Mod	SI	H	Lab	Unit
Americium-241	1.0E-02	1	UI			GP							pCi/L
Carbon-14	7.5E+02	1	V			GP							pCi/L
Cobalt-60	5.1E-01	1	UI			GP							pCi/L
Curium-242	1.5E-02	1	UI			GP							pCi/L
Curium-243/244	6.5E-02	1	UI			GP							pCi/L
Curium-245/246	0.0E+00	1	UI			GP							pCi/L
Gross alpha	4.8E-01	1	UI			GP	1.3E+00	1				GP	pCi/L
Iodine-129	0.0E+00	1	UI			GP							pCi/L
Nickel-63	5.1E-01		UI										pCi/L
Nonvolatile beta	4.8E+00	1				GP	8.9E+00	1				GP	pCi/L
Plutonium-238	1.6E-02	1	UI			GP							pCi/L
Plutonium-239/240	1.3E-01	1	UI			GP							pCi/L
Radium-226	8.0E-01	1				GP							pCi/L
Radium-228	1.3E-01	1	UI			GP							pCi/L
Strontium-90	1.4E+00	1				GP							pCi/L
Technetium-99	1.7E+01	1				GP							pCi/L
Thorium-228	7.5E-03	1	UI			GP							pCi/L
Thorium-230	3.0E-01	1	UIV			GP							pCi/L
Thorium-232	3.4E-02	1	UI			GP							pCi/L
Total alpha emitters													
Total beta emitters	7.7E+02			■									pCi/L
Tritium	1.5E+03	1		■		GP	1.3E+03	1		■		GP	pCi/mL
Uranium-233/234	9.4E-02	1	UI			GP							pCi/L
Uranium-235	-6.1E-03	1	UI			GP							pCi/L
Uranium-238	3.0E-01	1	UIV			GP							pCi/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB126C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N70627.7 E57178.2	33.275273 °N 81.653432 °W	181.3-176.3 ft msl	212.6 ft msl	4" PVC	S	Bamwell (IIB1)

SAMPLE DATE	08/08/96	10/21/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	204.1	203.8	ft msl
pH	8.4	7.6	pH
Sp. conductance	200	200	µS/cm
Water temperature	25.0	21.0	°C
Alkalinity as CaCO ₃	10	18	mg/L
Turbidity	6	0	NTU
Volumes purged	3.0	3.5	well volumes
Sampling code			
Synchronous water level	204.0 (09/16/96)	203.9 (12/11/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	0.030	1	J			GE	<0.20	1	J			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	9,500	5	V			GE	10,000	10	V	■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB126C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	8.4E-01	1	UI			GP	4.5E-01	1	UI			GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	2.1E+00	1				GP	5.0E+00	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	4.0E+02	1		■		GP	3.9E+02	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB126D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N70633.4 E57169.6	33.275272 °N 81.653466 °W	200.5-190.5 ft msl	212.7 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE	08/20/96	10/28/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	205.5	204.6	ft msl
pH	5.0	4.0	pH
Sp. conductance	280	320	µS/cm
Water temperature	25.0	28.0	°C
Alkalinity as CaCO ₃	8	0	mg/L
Turbidity	7	9	NTU
Volumes purged	0.10	0.11	well volumes
Sampling code	X	X	
Synchronous water level	204.8 (09/16/96)	204.7 (12/11/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	67	1				GE							µg/L
Cadmium, total recoverable	0.11	1	J			GE							µg/L
Chromium, total recoverable	3.4	1	J			GE							µg/L
Cobalt, total recoverable	1.9	1	J			GE							µg/L
Copper, total recoverable	4.3	1	V			GE							µg/L
Cyanide	<10	1	J			GE							µg/L
Lead, total recoverable	5.4	1				GE							µg/L
Mercury, total recoverable	4.0	1		■		GE	1.3	1				GE	µg/L
Nickel, total recoverable	4.9	1	JV			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	39,000	50	V	■		GE	38,000	20		■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Tin, total recoverable	<50	1				GE							µg/L
Vanadium, total recoverable	<10	1				GE							µg/L
Zinc, total recoverable	<5.0	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB126D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	8.2E-02	1	UI			GP							pCi/L
Carbon-14	7.9E+01	1	UIV			GP							pCi/L
Cobalt-60	3.3E-01	1	UI			GP							pCi/L
Curium-242	-2.4E-02	1	UI			GP							pCi/L
Curium-243/244	8.5E-02	1	UI			GP							pCi/L
Curium-245/246	-1.2E-02	1	UI			GP							pCi/L
Gross alpha	8.6E-01	1	UI			GP	8.4E-01	1				GP	pCi/L
Iodine-129	1.1E+01	1				GP							pCi/L
Nickel-63	3.3E-01		UI										pCi/L
Nonvolatile beta	5.9E+00	1				GP	7.0E+00	1				GP	pCi/L
Plutonium-238	-6.5E-03	1	UI			GP							pCi/L
Plutonium-239/240	6.5E-03	1	UI			GP							pCi/L
Radium-226	8.9E-01	1				GP							pCi/L
Radium-228	-8.9E-01	1	UI			GP							pCi/L
Strontium-90	-8.7E-01	1	UI			GP							pCi/L
Technetium-99	3.6E+01	1				GP							pCi/L
Thorium-228	1.2E-01	1	UI			GP							pCi/L
Thorium-230	3.8E-01	1	UIV			GP							pCi/L
Thorium-232	2.8E-02	1	UI			GP							pCi/L
Total alpha emitters													
Total beta emitters	4.7E+01												pCi/L
Tritium	2.2E+03	1		■		GP	1.9E+03	1		■		GP	pCi/mL
Uranium-233/234	3.7E-02	1	UI			GP							pCi/L
Uranium-235	5.4E-02	1	UI			GP							pCi/L
Uranium-238	-3.5E-03	1	UI			GP							pCi/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB127C

<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>
N71210.1 E56792.1	33.275932 °N 81.655580 °W	158.4-148.4 ft msl	225.7 ft msl	4" PVC	S	Bamwell (IIB1)

SAMPLE DATE 08/06/96 10/21/96

FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	210.1	209.8	ft msl
pH	7.4	7.2	pH
Sp. conductance	260	200	µS/cm
Water temperature	27.0	18.0	°C
Alkalinity as CaCO ₃	30	20	mg/L
Turbidity	7	1	NTU
Volumes purged	2.7	3.2	well volumes
Sampling code			
Synchronous water level	210.3 (09/16/96)	208.7 (12/16/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	0.15	1	J			GE	<0.20	1	J			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	9,200	10	V			GE	7,100	10	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB127C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	7.1E-01	1	UI			GP	9.8E-02	1	UI			GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	5.2E+00	1				GP	7.3E+00	1	UIV			GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	9.3E+02	1		■		GP	8.6E+02	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB127D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N71218.9 E56788.0	33.275945 °N 81.655608 °W	217.8-197.8 ft msl	226.1 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE	08/19/96	10/21/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	217.9	217.0	ft msl
pH	4.8	4.6	pH
Sp. conductance	100	120	µS/cm
Water temperature	27.0	19.0	°C
Alkalinity as CaCO ₃	4	1	mg/L
Turbidity	0	4	NTU
Volumes purged	3.8	6.3	well volumes
Sampling code			
Synchronous water level	217.2 (09/16/96)	216.9 (12/16/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	SI	H	Lab	4Q	DF	Mod	SI	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	8.2	1				GE							µg/L
Cadmium, total recoverable	0.33	1	J			GE							µg/L
Chromium, total recoverable	<4.0	1				GE							µg/L
Cobalt, total recoverable	1.4	1	J			GE							µg/L
Copper, total recoverable	6.1	1	V			GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	<5.0	1				GE							µg/L
Mercury, total recoverable	4.7	1		■		GE	3.4	1	J	■		GE	µg/L
Nickel, total recoverable	<2.7	1	V			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	<50	1	J			GE	10,000	10	V	■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Tin, total recoverable	<50	1				GE							µg/L
Vanadium, total recoverable	<10	1				GE							µg/L
Zinc, total recoverable	<5.0	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	SI	H	Lab	4Q	DF	Mod	SI	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB127D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	8.7E-02	1	UI			GP							pCi/L
Carbon-14	3.7E+01	1	UIV			GP							pCi/L
Cobalt-60	5.8E-01	1	UI			GP							pCi/L
Curium-242	2.5E-02	1	UI			GP							pCi/L
Curium-243/244	7.7E-03	1	UI			GP							pCi/L
Curium-245/246	-5.7E-03	1	UI			GP							pCi/L
Gross alpha	2.1E+00	1				GP	2.7E+00	1	J			GP	pCi/L
Iodine-129	8.3E+00	1				GP							pCi/L
Nickel-63	5.8E-01		UI										pCi/L
Nonvolatile beta	2.2E+01	1				GP	1.3E+01	1	JV3			GP	pCi/L
Plutonium-238	-1.2E-01	1	UI			GP							pCi/L
Plutonium-239/240	3.4E-02	1	UI			GP							pCi/L
Radium-226	1.2E+00	1				GP							pCi/L
Radium-228	1.2E+00	1	UI			GP							pCi/L
Strontium-90	1.1E+01	1		■		GP							pCi/L
Technetium-99	2.6E+01	1				GP							pCi/L
Thorium-228	2.9E-02	1	UI			GP							pCi/L
Thorium-230	2.0E-01	1	UI			GP							pCi/L
Thorium-232	-3.4E-02	1	UI			GP							pCi/L
Total alpha emitters	3.5E+00												pCi/L
Total beta emitters	4.4E+01												pCi/L
Tritium	1.3E+03	1		■		GP	1.1E+03	1		■		GP	pCi/mL
Uranium-233/234	3.5E+00	1	V			GP							pCi/L
Uranium-235	-3.7E-03	1	UI			GP							pCi/L
Uranium-238	3.6E-01	1	UIV			GP							pCi/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB129C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N71830.4 E55110.0	33.274559 °N 81.661214 °W	157.8-147.8 ft msl	215.1 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE 08/08/96 10/28/96

FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	203.7	204.9	ft msl
pH	6.0	5.4	pH
Sp. conductance	160	180	µS/cm
Water temperature	25.0	28.0	°C
Alkalinity as CaCO ₃	40	6	mg/L
Turbidity	2	6	NTU
Volumes purged	0.027	0.027	well volumes
Sampling code	X	X	
Synchronous water level	205.3 (09/16/96)	205.1 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	0.054	1	J			GE	0.24	1				GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	17,000	10	JV	■		GE	17,000	20		■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB129C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	3.2E+00	1				GP	1.6E+00	1				GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	4.1E+01	1				GP	1.7E+01	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	2.1E+03	1	J	■		GP	1.7E+03	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB129D

<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>
N71837.1 E55103.4	33.274563 °N 81.661244 °W	205.2-185.2 ft msl	214.7 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE	08/08/96	10/28/96
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FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	208.5	206.9	ft msl
pH	4.8	4.4	pH
Sp. conductance	160	200	µS/cm
Water temperature	25.0	28.0	°C
Alkalinity as CaCO ₃	6	0	mg/L
Turbidity	2	1	NTU
Volumes purged	4.0	3.0	well volumes
Sampling code			
Synchronous water level	207.7 (09/16/96)	206.7 (12/12/96)	ft msl

ANALYTICAL DATA***Inorganic Constituents***

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	0.37	1				GE	0.081	1	J			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	22,000	50	JV	■		GE	19,000	40		■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB129D (cont.)

Radioactive Constituents

Parameter	3Q	DE	Mod	ST	H	Lab	4Q	DE	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	2.6E+00	1				GP	2.5E+00	1				GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	3.9E+01	1				GP	5.1E+01	1		■		GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	2.3E+03	1	J	■		GP	1.9E+03	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB130C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N70762.4 E54643.6	33.271436 °N 81.660367 °W	169.9-159.9 ft msl	218.3 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE	07/11/96	10/22/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	199.9	199.9	ft msl
pH	7.4	7.8	pH
Sp. conductance	140	160	µS/cm
Water temperature	25.0	24.0	°C
Alkalinity as CaCO ₃	60	80	mg/L
Turbidity	1	1	NTU
Volumes purged	2.9	3.8	well volumes
Sampling code			
Synchronous water level	200.2 (09/17/96)	199.4 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	<0.27	1	V			GE	<0.20	1				GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	910	1	V			GE	480	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB130C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	5.4E-01	1	UI			GP	8.7E-02	1	UI			GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	-5.1E-02	1	UI			GP	1.3E+00	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	9.6E-01	1				GP	7.8E-01	1				GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB130D

<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>
N70757.2 E54651.7	33.271438 °N 81.660336 °W	202.1-182.1 ft msl	218.6 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE	07/09/96	10/22/96
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FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	200.0	199.8	ft msl
pH	5.4	6.0	pH
Sp. conductance	36	54	µS/cm
Water temperature	25.0	24.0	°C
Alkalinity as CaCO ₃	10	19	mg/L
Turbidity	2	1	NTU
Volumes purged	0.085	3.1	well volumes
Sampling code	X		
Synchronous water level	200.0 (09/17/96)	199.0 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	<0.094	1	V			GE	<0.16	1	V			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	590	1				GE	920	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB130D (cont.)

Radioactive Constituents

Parameter	3Q	DE	Mod	ST	H	Lab	4Q	DE	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	4.1E-01	1	UI			GP	3.6E-01	1	UI			GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	1.8E+00	1				GP	8.9E-01	1	UI			GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	6.9E+00	1				GP	6.5E+00	1				GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB131C

<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>
N70374.7 E56894.9	33.274252 °N 81.653687 °W	158.5-148.5 ft msl	211.7 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE	07/03/96	10/22/96
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FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	203.4	203.7	ft msl
pH	7.2	7.4	pH
Sp. conductance	230	200	µS/cm
Water temperature	24.0	25.0	°C
Alkalinity as CaCO ₃	59	94	mg/L
Turbidity	0	1	NTU
Volumes purged	5.7	3.1	well volumes
Sampling code			
Synchronous water level	203.8 (09/17/96)	204.0 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	<0.20	1				GE	<0.20	1				GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	3,600	5				GE	3,700	2	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB131C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	-1.7E-02	1	UI			GP	5.7E-02	1	UI			GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	9.6E-01	1	UI			GP	1.4E+00	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	1.4E+02	1		■		GP	1.4E+02	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB131D

<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>
N70365.0 E56891.1	33.274224 °N 81.653678 °W	205.7-195.7 ft msl	212.1 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE	07/03/96	10/22/96
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FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	203.6	204.2	ft msl
pH	5.4	4.2	pH
Sp. conductance	32	24	µS/cm
Water temperature	26.0	26.0	°C
Alkalinity as CaCO ₃	1	0	mg/L
Turbidity	1	2	NTU
Volumes purged	5.4	4.5	well volumes
Sampling code			
Synchronous water level	204.5 (09/17/96)	204.4 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	<0.20	1				GE	<0.20	1				GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	890	1				GE	520	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB131D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	SI	H	Lab	4Q	DF	Mod	SI	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	3.3E-01	1	UI			GP	9.0E-01	1				GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	2.0E+00	1				GP	1.9E+00	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	7.3E+00	1				GP	7.6E+00	1				GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB132C

<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>
N71472.4 E58787.7	33.279768 °N 81.650835 °W	178.6-168.6 ft msl	240.5 ft msl	4" PVC	S	Bamwell (IIB1)

SAMPLE DATE 07/12/96 11/01/96

FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	189.1	220.7	ft msl
pH	5.6	4.2	pH
Sp. conductance	28	28	µS/cm
Water temperature	26.0	19.0	°C
Alkalinity as CaCO ₃	7	1	mg/L
Turbidity	12	1	NTU
Volumes purged	0.074	0.029	well volumes
Sampling code	X	X	
Synchronous water level	221.0 (09/17/96)	221.5 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	<0.20	1				GE	<0.20	1				GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	620	1				GE	280	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB132C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	1.9E+00	1				GP	8.8E-01	1				GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	1.7E+00	1				GP	1.1E+00	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	1.1E-01	1	UI			GP	-2.0E-01	1	UI			GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB132D

<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>
N71469.5 E58799.3	33.279780 °N 81.650798 °W	226.5-206.5 ft msl	240.7 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE	07/16/96	11/01/96
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FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	220.1	219.9	ft msl
pH	5.0	4.4	pH
Sp. conductance	18	20	µS/cm
Water temperature	25.0	20.0	°C
Alkalinity as CaCO ₃	5	1	mg/L
Turbidity	4	13	NTU
Volumes purged	0.11	0.11	well volumes
Sampling code	X	X	
Synchronous water level	220.5 (09/17/96)	219.8 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	<0.20	1				GE	<0.20	1				GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	1,000	1	V			GE	830	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB132D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	9.1E-01	1				GP	9.5E-01	1				GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	1.6E+00	1				GP	1.3E+00	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	1.5E+01	1				GP	1.5E+01	1				GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB133C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N71949.5 E59110.3	33.281349 °N 81.650912 °W	183.3-173.3 ft msl	255.6 ft msl	4" PVC	S	Bamwell (IIB1)

SAMPLE DATE	07/03/96	10/23/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	229.6	229.5	ft msl
pH	6.0	5.4	pH
Sp. conductance	46	32	µS/cm
Water temperature	27.0	25.0	°C
Alkalinity as CaCO ₃	7	7	mg/L
Turbidity	1	0	NTU
Volumes purged	3.6	2.5	well volumes
Sampling code			
Synchronous water level	230.1 (09/17/96)	229.4 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	<0.20	1				GE	<0.20	1	J			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	400	1				GE	220	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB133C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	2.1E-01	1	UI			GP	3.2E-01	1	UI			GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	1.0E+00	1	UI			GP	1.4E+00	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	-1.0E-01	1	UI			GP	6.2E-02	1	UI			GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB133D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N71943.5 E59102.3	33.281323 °N 81.650921 °W	228.5-208.5 ft msl	255.3 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE	07/03/96	10/22/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	234.2	234.0	ft msl
pH	5.6	5.2	pH
Sp. conductance	78	68	µS/cm
Water temperature	25.0	25.0	°C
Alkalinity as CaCO ₃	6	6	mg/L
Turbidity	1	14	NTU
Volumes purged	3.5	3.8	wall volumes
Sampling code			
Synchronous water level	234.5 (09/17/96)	233.5 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	<0.20	1				GE	<0.20	1	JV			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	1,000	1				GE	750	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB133D (cont.)

Radioactive Constituents

Parameter	3Q	DE	Mod	ST	H	Lab	4Q	DE	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	4.7E-02	1	UI			GP	5.8E-01	1	UI			GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	9.5E-01	1	UI			GP	9.3E-01	1	UI			GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	1.8E+01	1				GP	1.6E+01	1				GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB134C

<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>
N71210.3 E58289.9	33.278376 °N 81.651636 °W	159.1-149.1 ft msl	238.4 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE	08/19/96	10/21/96
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FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	220.6	219.9	ft msl
pH	5.2	4.4	pH
Sp. conductance	36	50	µS/cm
Water temperature	21.0	18.0	°C
Alkalinity as CaCO ₃	6	1	mg/L
Turbidity	2	1	NTU
Volumes purged	2.9	2.4	well volumes
Sampling code			
Synchronous water level	220.5 (09/17/96)	220.1 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	0.075	1	JY			GE	<0.20	1	J			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	1,600	1	V			GE	1,800	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB134C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	2.7E-01	1	UI			GP	3.3E-01	1	UI			GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	1.1E+00	1	UI			GP	1.3E+00	1	UI			GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	2.4E+01	1	V	■		GP	2.6E+01	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB134D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N71217.3 E58296.5	33.278402 °N 81.651633 °W	225.8-205.8 ft msl	238.1 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE	08/14/96	10/15/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	221.4	220.5	ft msl
pH	4.2	4.0	pH
Sp. conductance	180	140	µS/cm
Water temperature	21.0	21.0	°C
Alkalinity as CaCO ₃	0	1	mg/L
Turbidity	2	2	NTU
Volumes purged	0.098	0.10	well volumes
Sampling code	X	X	
Synchronous water level	221.0 (09/17/96)	223.1 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<2.8	1	V			GE							µg/L
Barium, total recoverable	63	1				GE							µg/L
Cadmium, total recoverable	0.28	1	J			GE							µg/L
Chromium, total recoverable	<4.0	1				GE							µg/L
Cobalt, total recoverable	2.6	1	J			GE							µg/L
Copper, total recoverable	19	1				GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	3.7	1	J			GE							µg/L
Mercury, total recoverable	0.49	1				GE	1.4	1				GE	µg/L
Nickel, total recoverable	<3.4	1	V			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen							15,000	10	V	■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Tin, total recoverable	<50	1				GE							µg/L
Vanadium, total recoverable	<10	1				GE							µg/L
Zinc, total recoverable	<9.1	1	V			GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<1.1	1	V			GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB134D (cont.)

Radioactive Constituents

Parameter	3Q	DE	Mod	ST	H	Lab	4Q	DE	Mod	ST	H	Lab	Unit
Americium-241	4.5E-03	1	UI			GP							pCi/L
Carbon-14	1.3E+02	1				GP							pCi/L
Cobalt-60	5.1E-01	1	UI			GP							pCi/L
Curium-242	-7.4E-03	1	UI			GP							pCi/L
Curium-243/244	4.5E-02	1	UI			GP							pCi/L
Curium-245/246	-7.2E-03	1	UI			GP							pCi/L
Gross alpha	3.8E+00	1	J			GP	8.1E+00	1				GP	pCi/L
Iodine-129	7.1E+00	1				GP							pCi/L
Nickel-63	5.1E-01		UI										pCi/L
Nonvolatile beta	1.7E+02	1		■		GP	8.7E+02	1		■		GP	pCi/L
Plutonium-238	-5.3E-02	1	UI			GP							pCi/L
Plutonium-239/240	2.1E-02	1	UI			GP							pCi/L
Radium-226	1.6E+00	1	J			GP							pCi/L
Radium-228	1.3E+00	1				GP							pCi/L
Strontium-90	9.9E+01	1		■		GP							pCi/L
Technetium-99	9.5E+00	1	UI			GP							pCi/L
Thorium-228	1.1E-01	1	UI			GP							pCi/L
Thorium-230	1.9E-01	1	UIV			GP							pCi/L
Thorium-232	9.6E-02	1	UI			GP							pCi/L
Total alpha emitters	7.8E-01												pCi/L
Total beta emitters	2.3E+02			■									pCi/L
Tritium	6.6E+02	1		■		GP	9.0E+02	1		■		GP	pCi/mL
Uranium-233/234	7.8E-01	1				GP							pCi/L
Uranium-235	3.1E-02	1	UI			GP							pCi/L
Uranium-238	6.9E-02	1	UI			GP							pCi/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB135C

<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>
N71390.2 E56560.8	33.275953 °N 81.656539 °W	157.3-147.3 ft msl	232 ft msl	4" PVC	S	Bamwell (IIB1)

SAMPLE DATE	07/12/96	10/23/96
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FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	206.4	206.5	ft msl
pH	7.4	7.6	pH
Sp. conductance	180	180	µS/cm
Water temperature	26.0	19.0	°C
Alkalinity as CaCO ₃	70	22	mg/L
Turbidity	149	49	NTU
Volumes purged	2.6	5.2	well volumes
Sampling code			
Synchronous water level	206.7 (09/16/96)	206.4 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	<0.20	1				GE	<0.023	1	JV			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	730	1				GE	790	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB135C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	7.0E+00	1				GP	1.9E+00	1				GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	4.3E+00	1				GP	2.5E+00	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	2.8E+01	1		■		GP	3.9E+01	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB135D

<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>
N71396.7 E56552.8	33.275954 °N 81.656572 °W	219.9-199.9 ft msl	232.3 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE	07/12/96	10/23/96
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FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	217.2	217.2	ft msl
pH	5.0	5.0	pH
Sp. conductance	32	32	µS/cm
Water temperature	25.0	19.0	°C
Alkalinity as CaCO ₃	4	1	mg/L
Turbidity	2	2	NTU
Volumes purged	4.1	4.8	well volumes
Sampling code			
Synchronous water level	217.4 (09/16/96)	216.8 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	0.047	1	J			GE	<0.19	1	JV			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	2,300	2				GE	2,500	2	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB135D (cont.)

Radioactive Constituents

Parameter	3Q	DE	Mod	ST	H	Lab	4Q	DE	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	3.0E-02	1	UI			GP	1.1E+00	1				GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	3.5E+00	1				GP	7.3E+00	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	4.0E+01	1		■		GP	4.5E+01	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB136C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N71900.3 E55949.6	33.276084 °N 81.659139 °W	170.5-160.5 ft msl	227.9 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE	08/20/96	10/28/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	216.4	215.8	ft msl
pH	8.4	5.8	pH
Sp. conductance	320	360	µS/cm
Water temperature	26.0	28.0	°C
Alkalinity as CaCO ₃	51	11	mg/L
Turbidity	2	0	NTU
Volumes purged	0.027	2.3	well volumes
Sampling code	X		
Synchronous water level	216.3 (09/16/96)	215.6 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	69	1				GE							µg/L
Cadmium, total recoverable	0.11	1	J			GE							µg/L
Chromium, total recoverable	1.1	1	J			GE							µg/L
Cobalt, total recoverable	<4.0	1				GE							µg/L
Copper, total recoverable	<1.2	1	V			GE							µg/L
Cyanide	<10	1	J			GE							µg/L
Lead, total recoverable	1.3	1	J			GE							µg/L
Mercury, total recoverable	0.043	1	J			GE	0.18	1	J			GE	µg/L
Nickel, total recoverable	<1.8	1	V			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	37,000	50	V	■		GE	38,000	40		■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Tin, total recoverable	<50	1				GE							µg/L
Vanadium, total recoverable	<10	1				GE							µg/L
Zinc, total recoverable	<5.0	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB136C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	-1.9E-01	1	UI			GP							pCi/L
Carbon-14	1.9E+02	1	UIV			GP							pCi/L
Cobalt-60	1.3E+00	1	UI			GP							pCi/L
Curium-242	2.5E-01	1	UI			GP							pCi/L
Curium-243/244	-1.2E-01	1	UI			GP							pCi/L
Curium-245/246	3.1E-03	1	UI			GP							pCi/L
Gross alpha	4.7E+00	1				GP	4.7E+00	1				GP	pCi/L
Iodine-129	7.1E+00	1				GP							pCi/L
Nickel-63	1.3E+00		UI										pCi/L
Nonvolatile beta	4.0E+01	1				GP	4.5E+01	1				GP	pCi/L
Plutonium-238	1.1E+00	1	UIV			GP							pCi/L
Plutonium-239/240	4.9E-02	1	UI			GP							pCi/L
Radium-226	1.9E+00	1				GP							pCi/L
Radium-228	-4.6E-01	1	UI			GP							pCi/L
Strontium-90	-1.1E-01	1	UI			GP							pCi/L
Technetium-99	1.6E+02	1				GP							pCi/L
Thorium-228	7.6E-02	1	UI			GP							pCi/L
Thorium-230	4.0E-01	1	UIV			GP							pCi/L
Thorium-232	6.1E-02	1	UI			GP							pCi/L
Total alpha emitters	1.8E-01												pCi/L
Total beta emitters	1.6E+02												pCi/L
Tritium	6.0E+03	1				GP	6.7E+03	1				GP	pCi/mL
Uranium-233/234	1.8E-01	1				GP							pCi/L
Uranium-235	-1.4E-02	1	UI			GP							pCi/L
Uranium-238	1.7E-02	1	UI			GP							pCi/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB136D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N71906.0 E55941.7	33.276084 °N 81.659171 °W	220.2-200.2 ft msl	228 ft msl	4" PVC	V	Water Table (IIB2)

SAMPLE DATE	08/13/96	10/15/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	219.7	218.9	ft msl
pH	5.2	3.8	pH
Sp. conductance	240	240	µS/cm
Water temperature	25.0	22.0	°C
Alkalinity as CaCO ₃	0	0	mg/L
Turbidity	1	2	NTU
Volumes purged	2.3	0.73	well volumes
Sampling code			
Synchronous water level	219.5 (09/16/96)	218.7 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	3.9	1	J			GE							µg/L
Barium, total recoverable	77	1				GE							µg/L
Cadmium, total recoverable	0.65	1	J			GE							µg/L
Chromium, total recoverable	<4.0	1				GE							µg/L
Cobalt, total recoverable	8.2	1	V			GE							µg/L
Copper, total recoverable	12	1				GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	<5.0	1				GE							µg/L
Mercury, total recoverable	0.041	1	J			GE	1.7	1	V			GE	µg/L
Nickel, total recoverable	13	1				GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	27,000	50	V	■		GE	22,000	50	V	■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Tin, total recoverable	<50	1				GE							µg/L
Vanadium, total recoverable	<10	1				GE							µg/L
Zinc, total recoverable	56	1	J			GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1				GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB136D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	1.8E+01	1				GP							pCi/L
Carbon-14	6.7E+01	1	V			GP							pCi/L
Cobalt-60	6.4E+01	1				GP							pCi/L
Curium-242	6.0E-02	1	UI			GP							pCi/L
Curium-243/244	-6.7E-02	1	UI			GP							pCi/L
Curium-245/246	2.9E-02	1	UI			GP							pCi/L
Gross alpha	5.6E+01	1		■		GP	2.4E+01	1		■		GP	pCi/L
Iodine-129	6.1E+01	1				GP							pCi/L
Nickel-63	6.4E+01												pCi/L
Nonvolatile beta	1.6E+03	1		■		GP	1.5E+03	1		■		GP	pCi/L
Plutonium-238	5.7E-02	1	UI			GP							pCi/L
Plutonium-239/240	8.4E-02	1	UI			GP							pCi/L
Radium-226	2.1E+01	1		■		GP							pCi/L
Radium-228	8.7E+00	1		■		GP							pCi/L
Strontium-90	8.5E+02	1		■		GP							pCi/L
Technetium-99	5.5E+01	1				GP							pCi/L
Thorium-228	8.6E-02	1	UI			GP							pCi/L
Thorium-230	3.0E-01	1	UIV			GP							pCi/L
Thorium-232	1.2E-02	1	UI			GP							pCi/L
Total alpha emitters	2.1E+01			■									pCi/L
Total beta emitters	1.2E+03			■									pCi/L
Tritium	4.3E+03	1		■		GP	3.7E+03	1		■		GP	pCi/mL
Uranium-233/234	2.7E+00	1				GP							pCi/L
Uranium-235	-2.9E-02	1	UI			GP							pCi/L
Uranium-238	6.4E-01	1				GP							pCi/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB137C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N72269.9 E55700.2	33.276494 °N 81.660513 °W	173.8-163.8 ft msl	236 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE	08/19/96	10/31/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	219.1	218.3	ft msl
pH	8.2	5.2	pH
Sp. conductance	400	380	µS/cm
Water temperature	26.0	26.0	°C
Alkalinity as CaCO ₃	76	7	mg/L
Turbidity	2	1	NTU
Volumes purged	0.028	2.1	well volumes
Sampling code	X		
Synchronous water level	218.7 (09/16/96)	217.8 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	47	1				GE							µg/L
Cadmium, total recoverable	0.73	1	J			GE							µg/L
Chromium, total recoverable	<4.0	1				GE							µg/L
Cobalt, total recoverable	0.24	1	J			GE							µg/L
Copper, total recoverable	4.5	1	V			GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	2.9	1	J			GE							µg/L
Mercury, total recoverable	0.12	1	J			GE							µg/L
Nickel, total recoverable	<4.7	1	V			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	<50	1	J			GE							µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Tin, total recoverable	<50	1				GE							µg/L
Vanadium, total recoverable	<10	1				GE							µg/L
Zinc, total recoverable	22	1				GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1	J1		●	GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<10	1	J1		●	GE							µg/L
Tetrachloroethylene	<2.0	1	J1		●	GE							µg/L
Trichloroethylene	<2.0	1	J1		●	GE							µg/L
Trichlorofluoromethane	<2.0	1	J1		●	GE							µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB137C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	1.4E-01	1	UI			GP							pCi/L
Carbon-14	1.9E+02	1	UIV			GP							pCi/L
Cobalt-60	-8.4E-01	1	UI			GP							pCi/L
Curium-242	2.9E-02	1	UI			GP							pCi/L
Curium-243/244	2.2E-02	1	UI			GP							pCi/L
Curium-245/246	-1.9E-02	1	UI			GP							pCi/L
Gross alpha	2.3E+00	1				GP							pCi/L
Iodine-129	9.3E+00	1				GP							pCi/L
Nickel-63	-8.4E-01		UI										pCi/L
Nonvolatile beta	3.4E+01	1				GP							pCi/L
Plutonium-238	2.7E-02	1	UI			GP							pCi/L
Plutonium-239/240	1.1E-01	1	UI			GP							pCi/L
Radium-226	1.2E+00	1				GP							pCi/L
Radium-228	-1.5E+00	1	UI			GP							pCi/L
Strontium-90	1.2E+00	1				GP							pCi/L
Technetium-99	1.6E+02	1				GP							pCi/L
Thorium-228	1.8E-02	1	UI			GP							pCi/L
Thorium-230	2.9E-01	1	UIV			GP							pCi/L
Thorium-232	4.3E-02	1	UI			GP							pCi/L
Total alpha emitters	3.9E+02			■									pCi/L
Total beta emitters	1.7E+02			■									pCi/L
Tritium	1.0E+04	1		■		GP							pCi/mL
Uranium-233/234	1.0E+02	1	V			GP							pCi/L
Uranium-235	1.2E+01	1				GP							pCi/L
Uranium-238	2.8E+02	1	V			GP							pCi/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB137D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N72278.9 E55696.1	33.276508 °N 81.660542 °W	225.3-205.3 ft msl	236.6 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 08/19/96 10/31/96

FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	220.7	219.9	ft msl
pH	4.6	4.8	pH
Sp. conductance	140	160	µS/cm
Water temperature	21.0	26.0	°C
Alkalinity as CaCO ₃	3	0	mg/L
Turbidity	1	1	NTU
Volumes purged	5.2	5.2	well volumes
Sampling code			
Synchronous water level	220.4 (09/16/96)	219.4 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	0.041	1	J			GE							µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	19,000	10	JV	■		GE							µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB137D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	5.0E+00	1				GP							pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	9.8E+01	1		■		GP							pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	3.6E+03	1		■		GP							pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB138D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N73160.2 E55260.7	33.277746 °N 81.663400 °W	228.1-208.1 ft msl	252.4 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 07/16/96 10/23/96

FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	222.1	221.9	ft msl
pH	5.6	4.8	pH
Sp. conductance	16	44	µS/cm
Water temperature	26.0	26.0	°C
Alkalinity as CaCO ₃	7	3	mg/L
Turbidity	4	1	NTU
Volumes purged	0.11	2.4	well volumes
Sampling code	X		
Synchronous water level	222.2 (09/17/96)	220.8 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	<0.20	1				GE	0.23	1	JV			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	590	1	V			GE	4,400	5	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB138D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	SI	H	Lab	4Q	DF	Mod	SI	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	1.9E-01	1	UI			GP	8.3E-02	1	UI			GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	8.3E-01	1	UI			GP	1.8E+00	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	1.8E+01	1				GP	1.5E+02	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB139A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N71127.4 E57365.4	33.276684 °N 81.653910 °W	97.6-87.6 ft msl	233.7 ft msl	4" PVC	S	U. Congaree (IIA)

SAMPLE DATE	08/06/96	10/23/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	174.0	173.7	ft msl
pH	7.4	7.4	pH
Sp. conductance	200	200	µS/cm
Water temperature	26.0	20.0	°C
Alkalinity as CaCO ₃	27	10	mg/L
Turbidity	3	1	NTU
Volumes purged	2.2	2.3	well volumes
Sampling code			
Synchronous water level	174.1 (09/16/96)	173.7 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	<0.20	1				GE	<0.20	1	JV			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	440	1	V			GE	90	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB139A (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	7.0E-01	1	UI			GP	4.2E-01	1	UI			GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	1.2E+00	1				GP	1.3E+00	1	UI			GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	9.5E-02	1	UI			GP	1.6E-01	1	UI			GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB139C

<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>
N71129.8 E57374.5	33.276704 °N 81.653890 °W	158.5-148.5 ft msl	233.8 ft msl	4" PVC	S	Bamwell (IIB1)

SAMPLE DATE	08/06/96	11/01/96
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FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	214.0	213.4	ft msl
pH	5.4	5.2	pH
Sp. conductance	360	300	µS/cm
Water temperature	26.0	25.0	°C
Alkalinity as CaCO ₃	1	2	mg/L
Turbidity	19	2	NTU
Volumes purged	0.023	0.023	well volumes
Sampling code	X	X	
Synchronous water level	214.1 (09/16/96)	213.5 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	1.2	1				GE	0.67	1	V			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	37,000	50	V	■		GE	37,000	40		■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB139C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	3.2E+00	1				GP	2.4E+00	1	J			GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	1.2E+01	1				GP	2.3E+01	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	2.4E+03	1	J	■		GP	2.4E+03	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB139D

<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>
N71133.2 E57384.4	33.276728 °N 81.653871 °W	226.7-206.7 ft msl	233.8 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 08/06/96 10/23/96

FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	222.5	220.3	ft msl
pH	4.8	4.2	pH
Sp. conductance	82	100	µS/cm
Water temperature	25.0	26.0	°C
Alkalinity as CaCO ₃	0	0	mg/L
Turbidity	6	1	NTU
Volumes purged	2.9	5.7	well volumes
Sampling code			
Synchronous water level	221.1 (09/16/96)	220.0 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	0.41	1				GE	0.57	1	JV			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	7,600	5	V			GE	7,500	5	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB139D (cont.)

Radioactive Constituents

Parameter	3Q	DE	Mod	SI	H	Lab	4Q	DE	Mod	SI	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	2.5E+00	1				GP	2.8E+00	1				GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	4.3E+01	1				GP	4.5E+01	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	8.6E+02	1		■		GP	1.3E+03	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB140A

<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>
N70050.3 E56535.4	33.272948 °N 81.654003 °W	91.0-81.0 ft msl	235.9 ft msl	4" PVC	S	U. Congaree (IIA)

SAMPLE DATE	07/12/96	10/23/96
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FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	175.4	175.4	ft msl
pH	6.6	6.8	pH
Sp. conductance	120	140	µS/cm
Water temperature	25.0	26.0	°C
Alkalinity as CaCO ₃	39	66	mg/L
Turbidity	0	1	NTU
Volumes purged	2.4	2.2	well volumes
Sampling code			
Synchronous water level	175.6 (09/17/96)	175.3 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	0.45	1	V			GE	0.22	1	JV			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	370	1				GE	220	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB140A (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	1.0E-01	1	UI			GP	-4.1E-01	1	UI			GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	5.3E-01	1	UI			GP	1.1E+00	1	UI			GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	-5.6E-02	1	UI			GP	-3.0E-02	1	UI			GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB140C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N70049.2 E56551.8	33.272972 °N 81.653958 °W	171.6-161.6 ft msl	235.6 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE	07/12/96	10/24/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	205.1	205.0	ft msl
pH	5.6	5.6	pH
Sp. conductance	22	22	µS/cm
Water temperature	27.0	22.0	°C
Alkalinity as CaCO ₃	6	5	mg/L
Turbidity	0	5	NTU
Volumes purged	2.8	0.035	well volumes
Sampling code		X	
Synchronous water level	205.1 (09/17/96)	204.7 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	1.0	1	V			GE	<0.025	1	JV			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	920	1				GE	700	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB140C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	5.8E-01	1	UI			GP	2.4E-01	1	UI			GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	1.4E+00	1	UI			GP	1.4E+00	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	2.9E+00	1				GP	3.0E+00	1				GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB140D

<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>
N70036.0 E56560.6	33.272957 °N 81.653909 °W	214.1-194.1 ft msl	236.2 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 07/12/96 10/24/96

FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	212.0	206.3	ft msl
pH	4.8	4.6	pH
Sp. conductance	18	16	µS/cm
Water temperature	25.0	18.5	°C
Alkalinity as CaCO ₃	2	0	mg/L
Turbidity	1	3	NTU
Volumes purged	4.5	6.1	well volumes
Sampling code			
Synchronous water level	211.6 (09/17/96)	210.8 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	<0.20	1				GE	0.22	1	JV			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	720	1				GE	580	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB140D (cont.)

Radioactive Constituents

Parameter	3Q	DE	Mod	SI	H	Lab	4Q	DE	Mod	SI	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	6.1E-01	1	UI			GP	4.2E-01	1	UI			GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	1.5E+00	1	UI			GP	1.5E+00	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	1.1E+01	1				GP	1.1E+01	1				GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB141A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N71213.6 E59168.7	33.279817 °N 81.649329 °W	90.6-80.6 ft msl	254.6 ft msl	4" PVC	S	U. Congaree (IIA)

SAMPLE DATE	08/20/96	10/24/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	174.7	174.7	ft msl
pH	12.0	11.6	pH
Sp. conductance	1200	1400	µS/cm
Water temperature	26.0	25.0	°C
Alkalinity as CaCO ₃	214	320	mg/L
Turbidity	2	1	NTU
Volumes purged	0.016	0.016	well volumes
Sampling code	X	X	
Synchronous water level	174.8 (09/16/96)	174.7 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	0.039	1	J			GE	<0.16	1	JV			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	250	1	V			GE	220	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB141A (cont.)

Radioactive Constituents

Parameter	3Q	DE	Mod	ST	H	Lab	4Q	DE	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	5.8E-01	1	UI			GP	1.2E+00	1	UI			GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	4.0E+00	1				GP	2.4E+00	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	2.6E+00	1				GP	2.5E+00	1				GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB141CR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N71226.7 E59167.2	33.279843 °N 81.649358 °W	162.1-152.1 ft msl	254.3 ft msl	4" PVC	S	Bamwell (IIB1)

SAMPLE DATE	08/19/96	10/24/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	229.0	227.8	ft msl
pH	6.0	5.8	pH
Sp. conductance	36	24	µS/cm
Water temperature	26.0	23.0	°C
Alkalinity as CaCO ₃	15	4	mg/L
Turbidity	2	1	NTU
Volumes purged	2.5	2.7	well volumes
Sampling code			
Synchronous water level	228.4 (09/16/96)	226.8 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable	<5.0	1				GE							µg/L
Barium, total recoverable	11	1				WA							µg/L
Cadmium, total recoverable	<2.0	1				GE							µg/L
Chromium, total recoverable	3.8	1	J			WA							µg/L
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable	<5.0	1				GE							µg/L
Mercury, total recoverable	0.095	1	J			GE	<0.16	1	JV			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	340	1	V			GE	320	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	1.2	1	J			WA							µg/L
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB141CR (cont.)

Radioactive Constituents

Parameter	3Q	DE	Mod	ST	H	Lab	4Q	DE	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	4.0E-02	1	UI			GP	1.4E-01	1	UI			GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	3.1E+00	1				TM	1.0E+00	1	UI			GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	1.1E+00	1				TM	8.5E-01	1				GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB141D

<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>
N71184.4 E59170.9	33.279756 °N 81.649266 °W	237.8-217.8 ft msl	254.8 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE	08/20/96	10/25/96
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FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	246.0	239.7	ft msl
pH	6.0	5.6	pH
Sp. conductance	42	26	µS/cm
Water temperature	27.0	26.0	°C
Alkalinity as CaCO ₃	32	13	mg/L
Turbidity	1000	681	NTU
Volumes purged	0.054	0.070	well volumes
Sampling code	X	X	
Synchronous water level	242.8 (09/16/96)	236.8 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	0.092	1	J			GE	<0.10	1	V			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	720	1	V			GE	560	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB141D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	SI	H	Lab	4Q	DF	Mod	SI	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	7.5E+01	1		■		GP	2.2E+01	1		■		GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	5.3E+01	1		■		GP	1.1E+01	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	1.6E+01	1				GP	1.5E+01	1				GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB142C

<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>
N73119.0 E53505.3	33.274791 °N 81.667942 °W	171.6-161.6 ft msl	204 ft msl	4" PVC	S	Bamwell (IIB1)

SAMPLE DATE	07/12/96	10/23/96
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FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	197.1	197.8	ft msl
pH	5.4	5.4	pH
Sp. conductance	22	22	µS/cm
Water temperature	28.0	20.0	°C
Alkalinity as CaCO ₃	7	1	mg/L
Turbidity	2	2	NTU
Volumes purged	0.043	3.1	well volumes
Sampling code	X		
Synchronous water level	198.3 (09/17/96)	199.1 (12/16/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	0.42	1	V			GE	0.25	1	JV			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	590	1				GE	520	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB142C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	1.5E-01	1	UI			GP	2.3E-02	1	UI			GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	6.7E-01	1	UI			GP	1.5E+00	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	2.7E+00	1				GP	4.7E+00	1				GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB143C

<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>
N73738.2 E52773.2	33.274966 °N 81.671072 °W	179.1-169.1 ft msl	222.2 ft msl	4" PVC	S	Bamwell (IIB1)

SAMPLE DATE 07/15/96 10/24/96

FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	207.9	207.7	ft msl
pH	5.2	4.4	pH
Sp. conductance	32	36	µS/cm
Water temperature	26.0	17.0	°C
Alkalinity as CaCO ₃	7	1	mg/L
Turbidity	1	1	NTU
Volumes purged	2.9	3.2	well volumes
Sampling code			
Synchronous water level	208.2 (09/17/96)	207.6 (12/16/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	<0.20	1				GE	<0.18	1	JV			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	820	1	V			GE	860	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB143C (cont.)

Radioactive Constituents

Parameter	3Q	DE	Mod	ST	H	Lab	4Q	DE	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	9.9E-01	1				GP	5.7E-01	1	UI			GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	5.8E-01	1	UI			GP	2.8E-01	1	UI			GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	9.2E+00	1				GP	7.6E+00	1				GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB143D

<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>
N73754.0 E52774.5	33.275003 °N 81.671099 °W	216.9-196.9 ft msl	222.9 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE	07/15/96	10/24/96
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FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	211.5	211.2	ft msl
pH	4.8	4.4	pH
Sp. conductance	18	18	µS/cm
Water temperature	25.0	18.0	°C
Alkalinity as CaCO ₃	3	1	mg/L
Turbidity	1	5	NTU
Volumes purged	4.5	3.8	well volumes
Sampling code			
Synchronous water level	211.9 (09/17/96)	213.7 (12/16/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	<0.20	1	J			GE	0.26	1	V			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	540	1	V			GE	750	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB143D (cont.)

Radioactive Constituents

Parameter	3Q	DE	Mod	ST	H	Lab	4Q	DE	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	1.4E+00	1				GP	1.2E+00	1				GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	3.2E+00	1				GP	7.3E-01	1	UI			GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	1.1E+01	1				GP	1.1E+01	1				GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB144A

<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>
N71892.1 E56200.5	33.276475 °N 81.658462 °W	88.6-78.6 ft msl	235.6 ft msl	4" PVC	S	U. Congaree (IIA)

SAMPLE DATE	08/19/96	10/25/96
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FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	170.9	170.4	ft msl
pH	6.8	6.6	pH
Sp. conductance	100	120	µS/cm
Water temperature	26.0	22.0	°C
Alkalinity as CaCO ₃	44	1	mg/L
Turbidity	0	1	NTU
Volumes purged	2.4	2.7	well volumes
Sampling code			
Synchronous water level	170.7 (09/16/96)	170.5 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	0.029	1	J			GE	0.30	1	V			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	630	1	V			GE	310	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB144A (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	1.5E+00	1	J1			TM	3.3E-01	1	UI			TM	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	4.2E+00	1				TM	4.6E+00	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	9.8E+01	1		■		TM	8.5E+01	1		■		TM	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB145C

<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>
N71098.9 E57769.0	33.277280 °N 81.652792 °W	174.7-164.7 ft msl	235.7 ft msl	4" PVC	S	Bamwell (IIB1)

SAMPLE DATE	08/06/96	10/24/96
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FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	213.2	212.7	ft msl
pH	5.6	6.0	pH
Sp. conductance	340	300	µS/cm
Water temperature	26.0	19.0	°C
Alkalinity as CaCO ₃	7	1	mg/L
Turbidity	2	6	NTU
Volumes purged	2.4	2.3	well volumes
Sampling code			
Synchronous water level	213.1 (09/16/96)	212.5 (12/11/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	0.85	1				GE	0.26	1	V			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	32,000	20	V	■		GE	35,000	20	V	■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB145C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	1.9E+00	1				GP	3.5E+00	1				GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	2.7E+01	1				GP	4.4E+01	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	1.6E+03	1		■		GP	1.5E+03	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB145D

<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>
N71088.0 E57753.9	33.277231 °N 81.652810 °W	194.2-184.2 ft msl	236.2 ft msl	4" PVC	S	Water Table (IIB2)

<u>SAMPLE DATE</u>	<u>08/14/96</u>	<u>10/16/96</u>
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FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	220.4	218.8	ft msl
pH	5.2	4.6	pH
Sp. conductance	300	280	µS/cm
Water temperature	21.0	22.0	°C
Alkalinity as CaCO ₃	3	2	mg/L
Turbidity	7	20	NTU
Volumes purged	0.042	0.044	well volumes
Sampling code	X	X	
Synchronous water level	219.4 (09/16/96)	218.3 (12/11/96)	ft msl

ANALYTICAL DATA***Inorganic Constituents***

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	2.8	1		■		GE	2.7	1	V	■		GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	33,000	50	JV	■		GE	33,000	50	V	■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB145D (cont.)

Radioactive Constituents

Parameter	3Q	DE	Mod	ST	H	Lab	4Q	DE	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	4.7E+01	1		■		GP	3.7E+01	1		■		GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	4.0E+02	1		■		GP	4.4E+02	1		■		GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	3.4E+03	1	J	■		GP	3.3E+03	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB146A

<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>
N70478.9 E58454.0	33.277026 °N 81.649784 °W	95.5-85.5 ft msl	251.6 ft msl	4" PVC	S	U. Congaree (IIA)

SAMPLE DATE 07/15/96 10/24/96

FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	175.7	175.8	ft msl
pH	6.8	6.8	pH
Sp. conductance	160	160	µS/cm
Water temperature	26.0	25.0	°C
Alkalinity as CaCO ₃	51	76	mg/L
Turbidity	0	1	NTU
Volumes purged	2.4	2.7	well volumes
Sampling code			
Synchronous water level	175.9 (09/16/96)	175.7 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	<0.20	1				GE	<0.040	1	JV			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	230	1				GE	60	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB146A (cont.)

Radioactive Constituents

Parameter	3Q	DE	Mod	ST	H	Lab	4Q	DE	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	8.6E-01	1	UI			GP	9.9E-01	1				GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	2.1E+00	1				GP	1.7E+00	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	-6.5E-02	1	UI			GP	-1.1E-01	1	UI			GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB146C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N70471.6 E58473.1	33.277041 °N 81.649719 °W	162.3-152.3 ft msl	252.3 ft msl	4" PVC	S	Bamwell (IIB1)

SAMPLE DATE	07/15/96	10/24/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	209.1	209.5	ft msl
pH	8.8	7.0	pH
Sp. conductance	60	70	µS/cm
Water temperature	26.0	25.0	°C
Alkalinity as CaCO ₃	63	28	mg/L
Turbidity	2	1	NTU
Volumes purged	0.027	3.3	well volumes
Sampling code	X		
Synchronous water level	209.7 (09/16/96)	209.3 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	<0.20	1				GE	0.23	1	JV			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	850	1				GE	640	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB146C (cont.)

Radioactive Constituents

Parameter	3Q	DE	Mod	ST	H	Lab	4Q	DE	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	6.7E-01	1	UI			GP	1.3E+00	1				GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	9.3E-01	1	UI			GP	7.0E-01	1	UI			GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	1.1E+01	1				GP	1.1E+01	1				GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB146D

<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>
N70469.7 E58493.0	33.277069 °N 81.649663 °W	224.1-204.0 ft msl	253.1 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 08/14/96 10/24/96

FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	223.3	223.2	ft msl
pH	4.4	4.8	pH
Sp. conductance	34	12	µS/cm
Water temperature	25.0	26.0	°C
Alkalinity as CaCO ₃	3	1	mg/L
Turbidity	317	6	NTU
Volumes purged	0.079	0.079	well volumes
Sampling code	X	X	
Synchronous water level	224.4 (09/16/96)	222.0 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	<0.20	1				GE	<0.20	1	J			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	720	1	V			GE	690	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB146D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	2.9E+00	1				GP	5.4E-01	1	UI			GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	2.5E+00	1				GP	1.2E+00	1	UI			GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	-4.5E-02	1	UI			GP	1.2E+01	1				GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB147D

<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>
N73827.9 E55804.4	33.280110 °N 81.663265 °W	235.2-215.2 ft msl	267.3 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE	07/15/96	10/24/96
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FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	229.5	229.2	ft msl
pH	5.4	5.4	pH
Sp. conductance	26	50	µS/cm
Water temperature	25.0	21.0	°C
Alkalinity as CaCO ₃	5	1	mg/L
Turbidity	93	27	NTU
Volumes purged	0.11	0.11	well volumes
Sampling code	X	X	
Synchronous water level	229.8 (09/17/96)	228.3 (12/16/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	<0.20	1				GE	0.20	1	JV			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	530	1				GE	340	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB147D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	1.7E+00	1				GP	6.0E-01	1	UI			GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	1.2E+00	1	UI			GP	1.0E+00	1	UI			GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	1.3E+01	1				GP	1.2E+01	1				GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB148C

<u>SRS Coord.</u>	<u>Latitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N70151.5 E55344.2	33.271228 °N 81.657336 °W	168.9-158.9 ft msl	250.9 ft msl	4" PVC	S	Bamwell (IIB1)

SAMPLE DATE	07/16/96	10/25/96
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FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	201.1	201.2	ft msl
pH	10.4	10.2	pH
Sp. conductance	180	200	µS/cm
Water temperature	25.0	24.0	°C
Alkalinity as CaCO ₃	35	41	mg/L
Turbidity	2	1	NTU
Volumes purged	0.036	0.036	well volumes
Sampling code	X	X	
Synchronous water level	201.4 (09/17/96)	201.1 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	0.20	1	J			GE	<0.20	1				GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	570	1	V			GE	850	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB148C (cont.)

Radioactive Constituents

Parameter	3Q	DE	Mod	SI	H	Lab	4Q	DE	Mod	SI	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	9.3E-01	1				GP	1.2E+00	1				GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	3.2E+00	1				GP	1.7E+00	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	2.1E+00	1				GP	1.9E+00	1				GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB148D

<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>
N70160.9 E55355.7	33.271268 °N 81.657324 °W	218.1-198.1 ft msl	251.1 ft msl	4" PVC	S	Water Table (IIB2)

<u>SAMPLE DATE</u>	<u>07/16/96</u>	<u>10/25/96</u>
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FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	212.3	211.8	ft msl
pH	7.6	6.8	pH
Sp. conductance	100	120	µS/cm
Water temperature	25.0	24.0	°C
Alkalinity as CaCO ₃	23	46	mg/L
Turbidity	9	50	NTU
Volumes purged	0.11	0.11	well volumes
Sampling code	X	X	
Synchronous water level	212.0 (09/17/96)	212.5 (12/12/96)	ft msl

ANALYTICAL DATA***Inorganic Constituents***

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	<0.20	1				GE	<0.20	1				GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	160	1	V			GE	260	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB148D (cont.)

Radioactive Constituents

Parameter	3Q	DE	Mod	ST	H	Lab	4Q	DE	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	1.9E+00	1				GP	3.1E+00	1				GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	2.1E+00	1				GP	4.3E+00	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	1.2E+01	1				GP	1.2E+01	1				GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB149D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N71338.8 E57286.3	33.277023 °N 81.654529 °W	227.0-207.0 ft msl	240 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 08/06/96 10/24/96

FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	222.4	221.1	ft msl
pH	5.0	4.6	pH
Sp. conductance	20	18	µS/cm
Water temperature	26.0	18.0	°C
Alkalinity as CaCO ₃	1	0	mg/L
Turbidity	13	7	NTU
Volumes purged	3.6	4.4	well volumes
Sampling code			
Synchronous water level	221.9 (09/16/96)	220.9 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	0.13	1	J			GE	<0.20	1				GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	440	1	V			GE	470	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB149D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	5.9E-01	1				GP	2.3E-01	1	UI			GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	1.5E+00	1				GP	5.0E-01	1	UI			GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	1.9E+01	1				GP	2.4E+01	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB150D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N71692.6 E58692.8	33.280100 °N 81.651512 °W	226.9-206.9 ft msl	239 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE	08/14/96	10/25/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	229.6	224.0	ft msl
pH	5.0	5.2	pH
Sp. conductance	58	38	µS/cm
Water temperature	29.0	23.5	°C
Alkalinity as CaCO ₃	1	5	mg/L
Turbidity	88	16	NTU
Volumes purged	0.067	0.089	well volumes
Sampling code	X	X	
Synchronous water level	224.4 (09/16/96)	223.8 (12/12/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable	<5.0	1				GE							µg/L
Arsenic, total recoverable	<6.5	1	V			GE							µg/L
Barium, total recoverable	8.6	1				GE							µg/L
Cadmium, total recoverable	<2.0	1				GE							µg/L
Chromium, total recoverable	18	1				GE							µg/L
Cobalt, total recoverable	0.39	1	J			GE							µg/L
Copper, total recoverable	35	1				GE							µg/L
Cyanide	<10	1				GE							µg/L
Lead, total recoverable	14	1				GE							µg/L
Mercury, total recoverable	0.047	1	J			GE	0.31	1	V			GE	µg/L
Nickel, total recoverable	12	1	V			GE							µg/L
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	380	1	V			GE	740	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable	<5.0	1				GE							µg/L
Silver, total recoverable	<2.0	1				GE							µg/L
Tin, total recoverable	<50	1				GE							µg/L
Vanadium, total recoverable	7.2	1	J			GE							µg/L
Zinc, total recoverable	<23	1	V			GE							µg/L

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene	<2.0	1				GE							µg/L
Bis(2-ethylhexyl) phthalate	<10	1				GE							µg/L
Dichloromethane	<1.9	1	V			GE							µg/L
Tetrachloroethylene	<2.0	1				GE							µg/L
Trichloroethylene	<2.0	1				GE							µg/L
Trichlorofluoromethane	<2.0	1				GE							µg/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB150D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241	4.3E-03	1	UI			GP							pCi/L
Carbon-14	4.9E-01	1	UI			GP							pCi/L
Cobalt-60	1.2E+00	1	UI			GP							pCi/L
Curium-242	3.0E-04	1	UI			GP							pCi/L
Curium-243/244	-1.6E-02	1	UI			GP							pCi/L
Curium-245/246	-3.4E-03	1	UI			GP							pCi/L
Gross alpha	1.7E+00	1				GP	7.3E-01	1				GP	pCi/L
Iodine-129	-1.8E-01	1	UI			GP							pCi/L
Nickel-63	1.2E+00		UI										pCi/L
Nonvolatile beta	1.8E+00	1				GP	2.1E+00	1				GP	pCi/L
Plutonium-238	1.5E-02	1	UI			GP							pCi/L
Plutonium-239/240	-5.8E-03	1	UI			GP							pCi/L
Radium-226	1.6E+00	1	J			GP							pCi/L
Radium-228	1.3E+00	1				GP							pCi/L
Strontium-90	1.2E+00	1				GP							pCi/L
Technetium-99	6.1E+00	1	UI			GP							pCi/L
Thorium-228	-3.0E-02	1	UI			GP							pCi/L
Thorium-230	2.9E-01	1	UIV			GP							pCi/L
Thorium-232	2.5E-02	1	UI			GP							pCi/L
Total alpha emitters													
Total beta emitters	2.5E+00												pCi/L
Tritium	5.3E+00	1				GP	6.9E+01	1		■		GP	pCi/mL
Uranium-233/234	-8.5E-03	1	UI			GP							pCi/L
Uranium-235	-8.5E-03	1	UI			GP							pCi/L
Uranium-238	2.1E-02	1	UI			GP							pCi/L

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB151C

<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>
N72997.9 E54014.9	33.275355 °N 81.666365 °W	180.6-170.6 ft msl	213.6 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE	08/14/96	11/01/96
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FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	207.7	206.2	ft msl
pH	4.4	4.8	pH
Sp. conductance	94	100	µS/cm
Water temperature	25.0	25.0	°C
Alkalinity as CaCO ₃	0	0	mg/L
Turbidity	1	2	NTU
Volumes purged	3.7	4.1	well volumes
Sampling code			
Synchronous water level	206.9 (09/17/96)	206.4 (12/16/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	0.11	1	J			GE	<0.53	1	V			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	9,500	10	JV			GE	10,000	10	V	■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB151C (cont.)

Radioactive Constituents

Parameter	3Q	DE	Mod	ST	H	Lab	4Q	DE	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	1.2E+00	1				GP	1.3E+00	1				GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	1.3E+01	1				GP	5.4E+00	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	1.7E+03	1		■		GP	1.7E+03	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB151D

<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>
N72997.8 E54026.4	33.275373 °N 81.666334 °W	207.6-197.6 ft msl	213.6 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE	08/14/96	10/25/96
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FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	207.5	205.4	ft msl
pH	4.8	5.0	pH
Sp. conductance	26	34	µS/cm
Water temperature	27.0	24.0	°C
Alkalinity as CaCO ₃	1	0	mg/L
Turbidity	2	4	NTU
Volumes purged	13	8.2	well volumes
Sampling code			
Synchronous water level	206.2 (09/17/96)	205.7 (12/16/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	<0.20	1				GE	<0.052	1	V			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	1,300	1	V			GE	2,400	2	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB151D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	SI	H	Lab	4Q	DF	Mod	SI	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	3.8E-01	1	UI			GP	6.7E-01	1				GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	1.4E+00	1				GP	2.1E+00	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	6.9E+01	1		■		GP	9.5E+01	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB152C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N72012.0 E54346.7	33.273716 °N 81.663576 °W	183.1-173.1 ft msl	214.1 ft msl	4" PVC	S	Bamwell (IIB1)

SAMPLE DATE	08/14/96	10/25/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	199.0	198.4	ft msl
pH	4.6	5.0	pH
Sp. conductance	110	120	µS/cm
Water temperature	24.0	21.0	°C
Alkalinity as CaCO ₃	0	0	mg/L
Turbidity	1	11	NTU
Volumes purged	5.4	0.060	well volumes
Sampling code		X	
Synchronous water level	198.5 (09/17/96)	198.4 (12/16/96)	ft msl

ANALYTICAL DATA**Inorganic Constituents**

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	<0.20	1				GE	0.68	1	V			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	11,000	10	V	■		GE	12,000	10	V	■		GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB152C (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	1.7E+00	1				GP	9.3E-01	1				GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	3.5E+01	1				GP	1.6E+01	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	1.2E+03	1		■		GP	1.3E+03	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB152D

<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>
N72011.7 E54362.1	33.273740 °N 81.663535 °W	207.0-197.0 ft msl	214.1 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 08/14/96

FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation			
pH	5.2		pH
Sp. conductance	48		µS/cm
Water temperature	27.0		°C
Alkalinity as CaCO ₃	1		mg/L
Turbidity	100		NTU
Volumes purged			
Sampling code	X		
Synchronous water level	()		ft msl

ANALYTICAL DATA***Inorganic Constituents***

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	<0.20	1				GE							µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen	1,600	1	V			GE							µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSB152D (cont.)

Radioactive Constituents

Parameter	3Q	DE	Mod	ST	H	Lab	4Q	DE	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	1.3E+01	1				GP							pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	1.1E+01	1				GP							pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	1.7E+02	1		■		GP							pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSL 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>
N72179.6 E58925.0	33.281556 °N 81.651846 °W	239.8-219.8 ft msl	264 ft msl	2" PVC	V	Water Table (IIB2)

SAMPLE DATE 08/13/96 11/05/96

FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	233.9	227.0	ft msl
pH	3.6	3.8	pH
Sp. conductance	80	64	µS/cm
Water temperature	25.0	19.0	°C
Alkalinity as CaCO ₃	0	0	mg/L
Turbidity	11	4	NTU
Volumes purged	3.5	4.2	well volumes
Sampling code			
Synchronous water level	233.6 (09/20/96)	232.7 (12/16/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	0.50	1				GE	<0.53	1	V			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen	4,600	1				GE							µg/L
Nitrate-nitrite as nitrogen							4,000	5	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSL 1D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	4.7E+00	1	J			GP	5.3E+00	1				GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	1.4E+01	1	J			GP	1.3E+01	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	1.8E+02	1		■		GP	1.3E+02	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSL 2D

<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>
N72190.8 E59423.5	33.282394 °N 81.650556 °W	245.3-225.2 ft msl	265.5 ft msl	2" PVC	V	Water Table (IIB2)

<u>SAMPLE DATE</u>	<u>08/13/96</u>	<u>11/05/96</u>
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FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	240.4	239.4	ft msl
pH	4.0	4.6	pH
Sp. conductance	60	38	µS/cm
Water temperature	24.0	20.0	°C
Alkalinity as CaCO ₃	1	1	mg/L
Turbidity	7	2	NTU
Volumes purged	3.2	3.4	well volumes
Sampling code			
Synchronous water level	240.2 (09/20/96)	238.8 (12/16/96)	ft msl

ANALYTICAL DATA***Inorganic Constituents***

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	<0.20	1				GE	<0.16	1	V			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen	940	1				GE							µg/L
Nitrate-nitrite as nitrogen							1,200	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSL 2D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	7.9E-01	1	J			GP	5.2E-01	1	UI			GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	5.4E+00	1	J			GP	1.3E+00	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	5.0E+01	1		■		GP	4.1E+01	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSL 3D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N72251.5 E59770.6	33.283094 °N 81.649759 °W	253.8-233.7 ft msl	267.6 ft msl	2" PVC	V	Water Table (IIB2)

SAMPLE DATE	08/13/96	11/05/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	249.3	247.1	ft msl
pH	5.4	4.2	pH
Sp. conductance	40	26	µS/cm
Water temperature	27.0	22.0	°C
Alkalinity as CaCO ₃	2	1	mg/L
Turbidity	120	105	NTU
Volumes purged	0.39	0.46	well volumes
Sampling code	X	X	
Synchronous water level	248.5 (09/20/96)	249.2 (12/16/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	<0.20	1				GE	<0.13	1	V			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen	330	1				GE							µg/L
Nitrate-nitrite as nitrogen							460	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSL 3D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	3.8E+00	1	J			GP	3.4E+00	1				GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	5.1E+00	1	J			GP	2.5E+00	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	2.9E+01	1		■		GP	2.7E+01	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSL 4D

<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>
N72453.7 E60171.9	33.284196 °N 81.649095 °W	265.1-245.0 ft msl	273.2 ft msl	2" PVC	V	Water Table (IIB2)

SAMPLE DATE	08/14/96	11/05/96
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FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	262.0	258.7	ft msl
pH	4.6	5.2	pH
Sp. conductance	100	64	µS/cm
Water temperature	24.0	21.0	°C
Alkalinity as CaCO ₃	8	1	mg/L
Turbidity	8	1	NTU
Volumes purged	2.9	3.1	well volumes
Sampling code			
Synchronous water level	260.2 (09/20/96)	257.1 (12/16/96)	ft msl

ANALYTICAL DATA***Inorganic Constituents***

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable							<0.13	1	V			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen													
Nitrate-nitrite as nitrogen							810	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSL 4D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha							5.0E+00	1				GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta							7.9E+01	1		■		GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium							1.3E+01	1				GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSL 5D

<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>
N72562.2 E60339.4	33.284709 °N 81.648865 °W	267.7-247.8 ft msl	276.6 ft msl	2" PVC	V	Water Table (IIB2)

SAMPLE DATE	08/13/96	11/05/96
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FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	266.9	259.9	ft msl
pH	4.0	4.8	pH
Sp. conductance	60	24	µS/cm
Water temperature	25.0	23.0	°C
Alkalinity as CaCO ₃	1	20	mg/L
Turbidity	73	315	NTU
Volumes purged	0.32	0.51	well volumes
Sampling code	X	X	
Synchronous water level	265.6 (09/20/96)	258.5 (12/16/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	0.23	1				GE	<0.23	1	V			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen	2,700	1				GE							µg/L
Nitrate-nitrite as nitrogen							820	1	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSL 5D (cont.)

Radioactive Constituents

Parameter	3Q	DE	Mod	ST	H	Lab	4Q	DE	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	9.4E+00	1				GP	1.2E+01	1				GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	6.0E+01	1		■		GP	1.9E+01	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	7.1E+00	1				GP	3.1E+00	1				GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSL 6D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N72659.7 E60531.1	33.285239 °N 81.648549 °W	264.0-243.9 ft msl	280 ft msl	2" PVC	V	Water Table (IIB2)

SAMPLE DATE	08/13/96	11/06/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	259.9	257.0	ft msl
pH	4.6	4.6	pH
Sp. conductance	200	84	µS/cm
Water temperature	28.0	21.0	°C
Alkalinity as CaCO ₃	1	1	mg/L
Turbidity	20	62	NTU
Volumes purged	3.0	0.47	well volumes
Sampling code		X	
Synchronous water level	258.8 (09/20/96)	256.0 (12/16/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	0.66	1				GE	<0.20	1	V			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen	940	1				GE							µg/L
Nitrate-nitrite as nitrogen							4,100	5	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSL 6D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	9.3E+00	1				GP	5.1E+00	1				GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	5.5E+01	1		■		GP	6.6E+01	1		■		GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	2.0E+01	1		■		GP	3.9E+01	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSL 7D

<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>
N72674.4 E60723.0	33.285583 °N 81.648073 °W	262.4-242.3 ft msl	283.8 ft msl	2" PVC	V	Water Table (IIB2)

SAMPLE DATE 08/13/96 11/06/96

FIELD DATA

<u>Parameter</u>	<u>3Q</u>	<u>4Q</u>	<u>Unit</u>
Water elevation	258.8	257.3	ft msl
pH	4.8	6.8	pH
Sp. conductance	100	60	µS/cm
Water temperature	26.0	22.0	°C
Alkalinity as CaCO ₃	1	12	mg/L
Turbidity	22	46	NTU
Volumes purged	3.0	0.41	well volumes
Sampling code		X	
Synchronous water level	258.6 (09/20/96)	256.5 (12/16/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	0.019	1	J			GE	<0.19	1	V			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen	2,700	1				GE							µg/L
Nitrate-nitrite as nitrogen							3,400	5	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

<u>Parameter</u>	<u>3Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>4Q</u>	<u>DF</u>	<u>Mod</u>	<u>ST</u>	<u>H</u>	<u>Lab</u>	<u>Unit</u>
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSL 7D (cont.)

Radioactive Constituents

Parameter	3Q	DE	Mod	SI	H	Lab	4Q	DE	Mod	SI	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	4.0E-01	1	UI			GP	3.3E+00	1				GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	6.8E-011	UI				GP	2.8E+00	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	3.4E+01	1		■		GP	3.0E+01	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSL 8D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N72688.1 E61117.1	33.286257 °N 81.647061 °W	268.4-248.4 ft msl	288.7 ft msl	2" PVC	V	Water Table (IIB2)

SAMPLE DATE	08/14/96	11/06/96
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FIELD DATA

Parameter	3Q	4Q	Unit
Water elevation	259.6	258.8	ft msl
pH	5.0	5.0	pH
Sp. conductance	100	92	µS/cm
Water temperature	27.0	23.0	°C
Alkalinity as CaCO ₃	1	1	mg/L
Turbidity	44	8	NTU
Volumes purged	0.54	0.59	well volumes
Sampling code	X	X	
Synchronous water level	259.6 (09/20/96)	258.1 (12/16/96)	ft msl

ANALYTICAL DATA

Inorganic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Antimony, total recoverable													
Arsenic, total recoverable													
Barium, total recoverable													
Cadmium, total recoverable													
Chromium, total recoverable													
Cobalt, total recoverable													
Copper, total recoverable													
Cyanide													
Lead, total recoverable													
Mercury, total recoverable	0.16	1	J			GE	2.0	1	V			GE	µg/L
Nickel, total recoverable													
Nitrate as nitrogen	6,700	5				GE							µg/L
Nitrate-nitrite as nitrogen							9,300	10	V			GE	µg/L
Nitrite as nitrogen													
Selenium, total recoverable													
Silver, total recoverable													
Tin, total recoverable													
Vanadium, total recoverable													
Zinc, total recoverable													

Organic Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Benzene													
Bis(2-ethylhexyl) phthalate													
Dichloromethane													
Tetrachloroethylene													
Trichloroethylene													
Trichlorofluoromethane													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

WELL HSL 8D (cont.)

Radioactive Constituents

Parameter	3Q	DF	Mod	ST	H	Lab	4Q	DF	Mod	ST	H	Lab	Unit
Americium-241													
Carbon-14													
Cobalt-60													
Curium-242													
Curium-243/244													
Curium-245/246													
Gross alpha	1.5E+00	1				GP	2.4E+00	1				GP	pCi/L
Iodine-129													
Nickel-63													
Nonvolatile beta	9.5E+00	1				GP	8.9E+00	1				GP	pCi/L
Plutonium-238													
Plutonium-239/240													
Radium-226													
Radium-228													
Strontium-90													
Technetium-99													
Thorium-228													
Thorium-230													
Thorium-232													
Total alpha emitters													
Total beta emitters													
Tritium	2.0E+02	1		■		GP	2.1E+02	1		■		GP	pCi/mL
Uranium-233/234													
Uranium-235													
Uranium-238													

Note: Synchronous water levels are measured over approximately a 3-5 day period.

● = exceeded holding time.

■ = exceeded groundwater protection standard.

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Appendix D

Time Series Plots

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Gross Alpha Activities Well Cluster HSB 71

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Gross Alpha Activities Well HSB 83D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Gross Alpha Activities Well Cluster HSB 84

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Gross Alpha Activities Well Cluster HSB 86

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Gross Alpha Activities Well HSB101D

Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Gross Alpha Activities Well HSB104D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Gross Alpha Activities Well HSB106D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Gross Alpha Activities Well HSB111D

Unconnected lines indicate
a dry well or a value below
the detection limit.
GWPS 15 pCi/L

—■— HSB111D (W)

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Gross Alpha Activities Well HSB112D

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Gross Alpha Activities Well Cluster HSB114

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Gross Alpha Activities Well Cluster HSB116

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Gross Alpha Activities Well Cluster HSB117

Unconnected lines indicate
a dry well or a value below
the detection limit.
GWPS 15 pCi/L

—▲— HSB117C (B) —x— HSB117A (MC)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Gross Alpha Activities Well HSB125D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Gross Alpha Activities Well Cluster HSB136

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Iodine-129 Activities Well HSB 69

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Iodine-129 Activities Well Cluster HSB 84

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Iodine-129 Activities Well Cluster HSB 86

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Iodine-129 Activities Well Cluster HSB100

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Iodine-129 Activities Well Cluster HSB104

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Iodine-129 Activities Well Cluster HSB105

Unconnected lines indicate a dry well or a value below the detection limit.

■ HSB105D (W) ▲ HSB105C (B)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Iodine-129 Activities Well Cluster HSB106

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Iodine-129 Activities Well Cluster HSB107

Unconnected lines indicate
a dry well or a value below
the detection limit.

■ HSB107D (W) ▲ HSB107C (B)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Iodine-129 Activities Well Cluster HSB113

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Iodine-129 Activities Well Cluster HSB114

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Iodine-129 Activities Well Cluster HSB115

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Iodine-129 Activities Well Cluster HSB136

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Iodine-129 Activities Well Cluster HSB145

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Mercury Concentrations Well Cluster HSB 68

Unconnected lines indicate
a dry well or a value below
the detection limit.
GWPS 2 µg/L

—■— HSB 68 (W) —□— HSB 68A (LC)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Mercury Concentrations Well HSB 83D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Mercury Concentrations Well HSB101D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Mercury Concentrations Well HSB102D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Mercury Concentrations Well HSB103D

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Mercury Concentrations Well HSB104D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Mercury Concentrations Well Cluster HSB105

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Mercury Concentrations Well HSB106D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Mercury Concentrations Well HSB108D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Mercury Concentrations Well HSB116C

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Mercury Concentrations Well HSB125D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Mercury Concentrations Well Cluster HSB127

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Mercury Concentrations Well HSB145D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Nitrate Concentrations Well Cluster HSB 68

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Nitrate Concentrations Well Cluster HSB 70

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Nitrate Concentrations Well HSB101D

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Nitrate Concentrations Well HSB106D

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Nitrate Concentrations Well Cluster HSB107

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Nitrate Concentrations Well Cluster HSB108

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Nitrate Concentrations Well Cluster HSB111

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Nitrate Concentrations Well Cluster HSB114

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Nitrate Concentrations Well HSB118A

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Nitrate Concentrations Well HSB135D

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Nitrate Concentrations Well Cluster HSB139

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Nitrate Concentrations Well Cluster HSB145

Unconnected lines indicate
a dry well or a value below
the detection limit.
GWPS 10,000 µg/L

■ HSB145D (W) ▲ HSB145C (B)

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Nitrate Concentrations Well HSB151C

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Nonvolatile Beta Activities Well HSB 69

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Nonvolatile Beta Activities Well Cluster HSB 84

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Nonvolatile Beta Activities Well Cluster HSB 86

Unconnected lines indicate
a dry well or a value below
the detection limit.
GWPS 50 pCi/L

■ HSB 86D (W) ▲ HSB 86C (B) ◆ HSB 86B (M)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Nonvolatile Beta Activities Well Cluster HSB100

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Nonvolatile Beta Activities Well Cluster HSB104

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Nonvolatile Beta Activities Well Cluster HSB105

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Nonvolatile Beta Activities Well Cluster HSB106

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Nonvolatile Beta Activities Well Cluster HSB107

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Nonvolatile Beta Activities Well Cluster HSB113

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Nonvolatile Beta Activities Well Cluster HSB114

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Nonvolatile Beta Activities Well Cluster HSB115

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Nonvolatile Beta Activities Well Cluster HSB136

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Strontium-90 Activities Well Cluster HSB 84

Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Strontium-90 Activities Well Cluster HSB 86

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Strontium-90 Activities Well Cluster HSB100

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Strontium-90 Activities Well Cluster HSB104

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Strontium-90 Activities Well Cluster HSB105

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Strontium-90 Activities Well Cluster HSB106

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Strontium-90 Activities Well Cluster HSB107

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Strontium-90 Activities Well Cluster HSB113

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Strontium-90 Activities Well Cluster HSB114

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Strontium-90 Activities Well Cluster HSB115

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Strontium-90 Activities Well Cluster HSB136

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Strontium-90 Activities Well Cluster HSB145

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 HSB 84

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 HSB102

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 HSB104D

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 HSB108D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

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H-Area HWMF

Tritium Activities Well Cluster HSB111

Note: W=Water Table (11B2); B=Barnwell (11B1); M=McBean (11B1); UC=Upper Congaree (11A); MC=Middle Congaree (11A); LC=Lower Congaree (11A)

H-AI WMF

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Tritium Activities Well Cluster HSB117

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 HSB118A

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 HSB127D

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 HSB129

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

H-AI WMF

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Tritium Activities Well HSB138D

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 HSB144A

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 HSB145D

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 HSB151C

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Appendix E

Hydrographs

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Hydrograph Well Cluster HSB 65

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 HSB 66

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 HSB 67

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 HSB 68

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 69

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 70

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 HSB 71

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 83

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 HSB 84

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 HSB 85

—■— HSB 85C (W) —◆— HSB 85B (M) —●— HSB 85A (UC)

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 86

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 HSB100

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 HSB101

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 HSB102

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 HSB103

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 HSB104

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 HSB105

—■— HSB105D (W) —▲— HSB105C (B)

Note: W=Water Table (IB2); B=Bamwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster HSB106

—■— HSB106D (W) —▲— HSB106C (B)

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 HSB107

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 HSB108

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 HSB109

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 HSB110

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 HSB111

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 HSB112

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 HSB113

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 HSB114

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 HSB115

—■— HSB115D (W) —▲— HSB115C (B)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

H-Area HWMF

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Hydrograph Well Cluster HSB116

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 HSB117

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 HSB118A

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 HSB119A

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

H-Area HWMF

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Hydrograph Well HSB120A

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 HSB121A

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 HSB122A

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 HSB123A

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 HSB124AR

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 HSB125

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 HSB126

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 HSB127

Note: W=Water Table (IB2); B=Bamwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster HSB129

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 HSB130

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 HSB131

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 HSB132

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 HSB133

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 HSB134

—■— HSB134D (W) —▲— HSB134C (B)

Note: W=Water Table (IB2); B=Bamwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster HSB135

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 HSB136

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 HSB137

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 HSB138D

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 HSB139

Note: W=Water Table (IB2); B=Bamwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster HSB140

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 HSB141

—■— HSB141D (W) —▲— HSB141CR (B) —●— HSB141A (UC)

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 HSB142

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 HSB143

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 HSB144A

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 HSB145

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 HSB146

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 HSB147D

Note: W=Water Table (IIB2); E=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster HSB148

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 HSB149D

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 HSB150D

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

H-Area HWMF

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Hydrograph Well Cluster HSB151

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 HSB152

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 HSL 1D

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 HSL 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 HSL 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 HSL 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 HSL 5D

—■— HSL 5D (W)

Note: W=Water Table (IB2); B=Bamwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

H-A/
WMF

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Third and Fourth Qua 1996

Hydrograph Well HSL 6D

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 HSL 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 HSL 8D

Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

H-Area HWMF

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STRATIGRAPHIC

B

SAND PACK INTERVAL-
 SCREENED INTERVAL

TD = TOTAL DEPTH
 GSA = GENERAL SEPARATIONS AREA
 NR = NO RECOVERY
 ■ BASIN H-4 PLACED TO SCALE
 RELATIVE TO HSB-119
 — = CONFINING ZONE, UNIT, AND SYSTEM BOUNDARIES.
 GEOPHYSICAL CURVE = NATURAL GAMMA

SCALE
 HORIZONTAL 0 200 400 FEET
 VERTICAL 0 5 10 15 20 FEET

H AREA SEEPAGE BASINS HYDRIC CROSS-SECTION

H AREA SEEPAGE BASINS HYDRO CROSS-SECTION

STRATIGRAPHIC

H AREA SEEPAGE BASINS HYDROGEOLOGIC CROSS-SECTION E

STRATIGRAPHIC

3

H AREA SEEPAGE BASINS HYDRIC CROSS-SECTION

H AREA SEEPAGE BASINS HYDROGEOLOGIC CROSS-SECTION

STRATIGRAPHIC

STRATIGRAPHIC

B

H AREA SEEPAGE BASINS HYDRO CROSS-SECTION

STRATIGRAPHIC

B

SAND PACK INTERVAL -
INCLUDES BENTONITE SEAL
SCREENED INTERVAL

TD = TOTAL DEPTH
GSA = GENERAL SEPARATIONS AREA
NR = NO RECOVERY
■ BASIN H-4 PLACED TO SCALE
RELATIVE TO HSB-119
— = CONFINING ZONE, UNIT, AND SYSTEM BOUNDARIES.
GEOPHYSICAL CURVE = NATURAL GAMMA

SCALE
HORIZONTAL 0 200 400 FEET
VERTICAL 0 5 10 15 20 FEET

H AREA SEEPAGE BASINS HYDRO CROSS-SECTION

STRATIGRAPHIC

B

H AREA SEEPAGE BASINS HYDRO CROSS-SECTION